

Larry B. Simpson
4-9-91
Conf. Call approval

TCC HABITAT SUBCOMMITTEE
Conference Call Minutes
January 18, 1990

Roll was called on the conference call originated by Larry Simpson at 10:00 am. Those present on the call were:

Members

Larry Lewis, MDWFP/BMR, Biloxi, MS
Arthur Williams, LDWF, Baton Rouge, LA
Vernon Minton, ADCNR/MRD, Gulf Shores, AL
C.E. Bryan, TPWD, Austin, TX
Scott Willis, FMRI, St. Petersburg, FL

Staff

Larry B. Simpson, Executive Director
Lucia B. Hourihan, Publication Specialist

Simpson stated the reason for the call was to assess the progress of work on the being done and also to elect a new chairman. A. Williams informed the committee that Mark Chatry is leaving LDWF.

Election of Chairman

V. Minton moved that Larry Lewis of Mississippi be elected chairman. A. Williams seconded and the vote was unanimous.

Review of Progress on Work

L. Lewis initiated discussion on the draft resolution (attached) on marsh management which serves as a broad position statement. The committee felt it was a good resolution. Lewis asked that members analyze the draft and make sure it fits with the philosophy with each state. S. Willis stated that K. Haddad is reviewing the resolution for Florida. Comments on the resolution are to be sent to the GSMFC office by February 5.

The "Aquaculture Issues" questionnaire and the "Synopsis of State Aquaculture Program" (attached) are in various stages of completion by the states. Item IV on the "Synopsis" was expanded to include native, exotic, and genetically altered species. These sheets are to be completed and sent to the GSMFC office also by February 5. At that point in time, Simpson and Lewis will meet to put the work together in a common format. Responses to the aquaculture issues will be prepared in

booklet form marked "draft" and circulated to the committee for review. The draft will be mailed to the committee within two weeks (of February 5) followed by a conference call on either February 16 or 20 to discuss the draft. During the conference call it will be determined if a meeting is necessary to finalize the work before Lewis can present it to the TCC. If a meeting is needed it will be held in late February at the Claude Peteet Mariculture Center in Gulf Shores, Alabama.

Oil Spill Contingency Plan

Simpson stated that he had been working with Ed Joyce, Chairman of the TCC, on "oil spill contingency plan" as an expanded agenda item for discussion at the upcoming TCC meeting. Simpson has located three names to contact as potential speakers -- a regional environmental officer for the Department of Interior, a representative of the Shell Oil Company and a representative of the 8th Coast Guard District. Topics to be covered from a federal perspective include specifically boom deployment, dispersant usage and availability, protection of critical areas, condition and time of response, and interagency communication. State perspectives may be covered at a later time. Minton suggested the addition of toxicity of dispersant to larval marine species. The committee agreed with the addition.

There being no further business the meeting was adjourned at 10:46 am.



**STATE OF MISSISSIPPI
Department of Wildlife,
Fisheries and Parks**

RAY MABUS
Governor

MEMORANDUM

DECEMBER 12, 1989

TO: MEMBERS, HABITAT SUBCOMMITTEE
FROM: LARRY LEWIS
SUBJECT: DRAFT RESOLUTION ON MARSH MANAGEMENT ACTIVITIES FOR YOUR REVIEW AND COMMENT.

As per our agreement at the December 5, 1989 organizational meeting of the Habitat Subcommittee meeting in Biloxi, MS, I have summarized our discussion regarding "marsh management" plans into a draft resolution for your review.

I propose that we use this draft resolution as the basis for discussion at our next meeting.

DRAFT RESOLUTION

The Habitat Subcommittee of the Technical Coordinating Committee of the Gulf States Marine Fisheries Commission recognizes that marsh management plans have been developed to address numerous fish and wildlife resource issues in the coastal zone. Furthermore, we recognize that action on these management plans by member states has been somewhat limited and there is growing concern regarding extensive marsh management proposal.

In view of the importance of our wetlands resources to the fisheries resources of interest to the Commission, the Habitat Subcommittee recommend that the Commission adopt the following position relative to marsh management activities:

The Gulf States Marine Fisheries Commission support multipurpose marsh management plants that:

1. Maintain the integrity of the wetlands ecosystem and its natural diversity of fish and wildlife species that utilize these wetlands areas; and
2. Insure to the maximum extent practicable, ingress and egress of marine species into marsh areas affected by marsh management proposals; and
3. Maintain or improve the natural productivity of fish and wildlife resources which utilize the wetlands.

AQUACULTURE ISSUES

How is your State addressing the following aquaculture issues?

1. Private use and/or control of public resources such as use of public trust wetlands, waterbottoms, or water column for exclusive aquaculture activities.

2. Introduction of exotic species, genetically altered species, hybrids or natural stocks from other areas.

3. Disease control and monitoring for disease associated with cultivation or processing aquaculture or imported species.

4. Marsh management activities for aquaculture.

5. Other issues. (please identify any other issues you may have identified for your state and explain briefly)

SYNOPSIS OF STATE AQUACULTURE PROGRAMS

I. LEGISLATION

Please cite current or pending legislation that relates to aquaculture activities in your state and provide copies of the legislation.

II. POLICIES

Briefly describe policy your state has developed regarding aquaculture.

III. REGULATIONS

Indicate whether your state has developed regulations for aquaculture activities and attach copies.

IV. LIST OF SPECIES REGULATED

List all species (native and exotic) that your state regulates. *Genetically altered*

V. STATE REGULATORY AGENCY AND/OR AGENCIES

List all state agencies with regulatory authority for aquaculture activities in your state.

VI. INTERAGENCY COORDINATION

Briefly describe the level of coordination between the various state and federal agencies which may be required in your state.

VI. PERMIT APPLICATION PROCEDURES

Identify application requirements and attached copies of the appropriate application forms.

VII. FEES

List all fees required by your state for aquaculture activities.

APPROVED BY:


COMMITTEE CHAIRMAN

CRAB TECHNICAL TASK FORCE MINUTES
Thursday & Friday, January 18-19, 1990
Ocean Springs, Mississippi

P. Steele, Chairman, declared a quorum was present and called the meeting to order at 9:00 a.m. The following were in attendance:

Members

P. Steele, FDNR, St. Petersburg, FL
H. Perry, GCRL, Ocean Springs, MS
V. Guillory, LDWF, Bourg, LA
S. Heath, AMRD, Dauphin Island, AL
T. Wagner, TPWD, Port O'Connor, TX
W. Keithly, LSU, Baton Rouge, LA
C. Dyer, USA, Mobile, AL (proxy for S. Thomas)

Staff

R. Lukens, GSMFC Special Assistant, Ocean Springs, MS
R. Leard, IJF Program Coordinator, Ocean Springs, MS
C. Dickens, IJF Staff Assistant, Ocean Springs, MS

Adoption of the Agenda

The agenda was adopted as presented.

Adoption of Minutes

The minutes of the TCC Crab Subcommittee meeting of October 17, 1989, were adopted with minor corrections to the Texas report.

Review of Fishery Management Comments by Technical Coordinating Committee

The task force reviewed comments received from Brad Brown, NMFS; C.E. Bryan, TPWD; Walter Tatum and Hugh Swingle, ADCNR; Joe Gill, MDWFP; and Jerry Clark, LDWF. Ron Lukens presented comments from his memo of October 31, 1989. Also, comments were reviewed from the October 18, 1989, meeting of the Fishery Management Committee concerning Sections 12 and 14.

All comments were addressed thoroughly by the task force and a consensus decision on each comment determined editing of the draft. Specific items to be furnished to GSMFC staff as soon as possible by task force members are:

| | | |
|-------------|------------|---------------------------|
| H. Perry | page 9-7 | cite |
| V. Guillory | page 8-7 | escape rings illustration |
| T. Wagner | page 8-8 | date |
| C. Dyer | Section 11 | cite |

Review of Economics Considerations


W. Keithly disagreed with using the term "overinvestment" or "overcapitalization" in the fishery management plan. He argued this term does not correctly describe the condition of the fishery and should therefore be avoided. The task force conceded and edited sections accordingly. It was requested GSMFC staff perform a global search on the fishery management plan to confirm these terms aren't used.

Other Business

The Blue Crab Technical Task Force adjourned at 11:00 a.m. The TCC Blue Crab Subcommittee then convened to discuss a proposal for a regional tagging project to be coordinated by the TCC Crab Subcommittee. The subcommittee discussed the goal, objectives, justification, and working mechanisms of such a project. Proper protocol in beginning such a project (including the proposal itself) was discussed, and the subcommittee agreed to make a formal request to the Technical Coordinating Committee to begin development of the proposal. A memo and synopsis of proposed research to send to TCC Chairman Ed Joyce were drafted and are attached.

There being no further business, the meeting adjourned at 3:00 p.m.

APPROVED BY:


COMMITTEE CHAIRMAN

TCC SEAMAP SUBCOMMITTEE
MINUTES
January 29-30, 1990
New Orleans, LA

Vice-Chairman Dick Waller called the meeting to order at 1:10 p.m.

The following members and others were present:

Members

Barney Barrett, LDWF, Baton Rouge, LA
Scott Nichols, NMFS, Pascagoula, MS
Dick Waller, GCRL, Ocean Springs, MS
Alan Huff/Mark Leiby, FDNR, St. Petersburg, FL
Terry Cody (proxy for G. Matlock), TPWD, Rockport, TX

Staff

Larry Simpson, Executive Director
Tom Van Devender, SEAMAP Coordinator
Eileen Benton, Administrative Assistant

Others

Phil Bowman, LDWF, Baton Rouge, LA
Joanne Shultz, GCRL, Ocean Springs, MS
Jim Hanifen, LDWF, Baton Rouge, LA
Ken Savastano, NMFS, Stennis Space Center, MS
John Kern, LDWF, Baton Rouge, LA
T. McIlwain, GCRL, Ocean Springs, MS

Adoption of Agenda

The agenda was amended to include a discussion on the coordinator position after the Administrative Report and to move the Shrimp Groundfish Work Group Report to Item #6. The agenda was adopted as amended.

* The Subcommittee concurred that Don Hoss be invited to the March meeting to discuss latest events at the Polish Sorting Center.

Adoption of Minutes

* It was noted that in the October 1989 minutes, a motion was passed that the Environmental Data Work Group meet to review the hypoxia data and associated biological catches and explore ways to disseminate this information. As of yet the work group has not met and the Subcommittee again expressed the need for the work group to have a conference call/meeting to review procedures.

The minutes of the meeting held October 16, 1989 in Biloxi, MS were approved as written.

Administrative Report

T. Van Devender distributed the SEAMAP 1990 cruise plans for the NMFS vessels' OREGON II and CHAPMAN. He noted that NMFS has a reef fish survey scheduled for March-April.

S. Nichols noted that the Spring Ichthyoplankton Survey would probably be moved back to April 20-May 26 and that the CHAPMAN would participate in another leg of that survey.

Also distributed were additions to the 1989 Cruise Log. T. Van Devender noted that the 1989 log will be complete as soon as he receives Louisiana Cruise #895.

T. Van Devender also reported that work is currently be done on the 1986 Atlas. The Subcommittee addressed ways to reduce the size of the Atlas. A proposed change would be to eliminate catch tables by statistical zone which is 70% of the Atlas. The Atlas would then consist of the description of surveys, description of stations, species list for each survey, and environmental data. T. Van Devender encouraged the Subcommittee to review the Atlas and bring suggested changes to the March Subcommittee meeting.

Cooperative Agreements

T. Van Devender reported that cooperative agreements have not yet been received from NCASC. A conversation with J. Martin-West in early January noted that the documents were received and currently "in legal". After legal they are reviewed by FARB and then awarded. He noted that she also stated that she anticipated no problems and grants would begin on the requested January 1 start-up date.

Coordinator Position

L. Simpson noted the resignation of Tom Van Devender, current SEAMAP Coordinator, who will assume the position of Chief of Saltwater Fisheries for the Mississippi Department of Wildlife, Fisheries and Parks beginning February 1, 1990.

L. Simpson reported that he had contacted Chairman Tatum in regard to advertising for the SEAMAP Coordinator Position and advertised the position with a January 29 closing date. Distributed were resumes

received from the announcement which Chairman Tatum wanted to discuss during the Subcommittee meeting.

A discussion was held regarding the SEAMAP job description, time frame of advertisement and the Subcommittee not reviewing the information prior to distribution.

Due to the Subcommittee not having a chance to review the job description, discussion was postponed until the following day. L. Simpson was asked to return for the discussion on January 30.

* B. Barrett moved to hold a conference call the week of February 5 to discuss the job description and procedures for advertising the position. The motion was seconded and passed with Florida and NMFS opposing.

Shrimp/Groundfish Work Group Report

P. Bowman reported that since the last Subcommittee meeting in October, the work group has not met. The work group plans to meet prior to the Summer Shrimp/Groundfish Survey to work out details or changes in the cruise. He noted that the work group continually examines the standardization of survey design. The work group will also discuss differences in catches between the 40' trawls of the various research vessels and the possibility of additional inshore sampling.

Status of Five-Year Management Plan

The latest version of the Five-Year Plan was distributed. The Subcommittee reviewed the Plan and the following change was noted:

Page ii - SEAMAP-Caribbean Committee membership -- add Walter Nelson, NMFS-SEFC.

(See discussion on 1/30/90-Coordinator Position for an additional change to the Five-Year Plan)

The Subcommittee concurred that the Five-Year Plan will again be reviewed and voted on at the Subcommittee's March meeting.

The meeting adjourned at 5:00 p.m. and will reconvene at 9:00 a.m. on 1/30/90.

January 30, 1990

Vice-Chairman Dick Waller called the meeting to order at 9:10 a.m.

Environmental Data Work Group

S. Nichols reported for work group leader W. Stuntz that a conference call will be scheduled in the near future. He also noted that processing of environmental samples was on schedule.

Data Coordinating Work Group

Work group leader K. Savastano distributed and reviewed the SEAMAP Data Management Report (attached). Items noted included:

- Entering of editing of 1988-89 data is currently being processed.
- Plots are completed on the 1986 Atlas.
- 85 of 88 SEAMAP requests have been processed and work is being performed on the remaining requests.
- IBM-PC for Louisiana will be delivered as soon as funding is received for FY90.

K. Savastano also reviewed and distributed a CMAS handout (attached). He reported that members of the steering committee had met in October and November 1989 and established the following data base specifications for the system:

- Study area will be the Gulf SEAMAP survey area.
- Initial data set will encompass NMFS summer cruises for 1981-1989.
- Data base will include catch weight and number of animals caught by station for about 150-200 principal species.
- Data base will also include environmental data with the exception of climate conditions.

Plans are to complete the pre-prototype system in May and he anticipates the completing the final version by the end of 1990.

S. Nichols moved to request the Commission provide travel funds to S. Lazauski to attend CMAS steering committee meetings. Seconded and passed.

K. Savastano noted that travel would probably involve a February meeting in Washington, DC and a final May/June meeting in Galveston, TX.

Coordinator Position

L. Simpson reviewed coordinator position hiring policies and procedures from the SEAMAP Operations Plan: 1985-1990. He noted that the position announcement was sent to Placement Bureaus for university systems, trade associations, sea grant offices and advisory services, Sport Fishing Institute, International Association of Fish and Wildlife Agencies, state agencies and laboratories, American Fisheries Society, and the Pacific and Atlantic States Marine Fisheries Commissions.

He apologized to the Subcommittee for the office oversight of not mailing a copy of the position announcement to the members. He noted the memorandum to the Commissioners and Subcommittee was sent at the same time indicating he was working with Chairman Tatum to seek applicants for the vacancy.

* After discussion A. Huff moved to insert the following paragraph (extracted from the SEAMAP Operations Plan: 1985-1990) into the new Five-Year Management Plan (page 23). Seconded and passed.

Administrative supervision of the Coordinator shall be performed by the GSMFC Executive Director, with authority to recruit, employ and discharge the Coordinator, in concurrence with the SEAMAP Subcommittee. The Coordinator shall be retained on a yearly basis, subject to review by the Subcommittee, Subcommittee Chairman, and Executive Director.

* The Subcommittee discussed the time frame in which the position was advertised. S. Nichols moved to readvertise the position with a new closing date of 2/28/90. Seconded and passed.

It was also noted that the position description would list the salary for the position as "Annual Starting Salary \$23,000".

Plankton Work Group Report

Work Group Leader J. Shultz reported that a conference call was held on January 12, 1990 (report attached). Main discussion of the call was a request by LDWF to revise the SEAMAP sorting protocol. Agreement

was reached that smaller aliquots could be sorted for fish eggs, using 200 eggs as the target number on which to base the decision on final aliquot size.

J. Shultz also noted that the OREGON II had collected 11 plankton samples in the central northern Gulf January 6-9, 1990. It was hoped that this represents the beginning of more extensive wintertime plankton sampling for SEAMAP.

J. Shultz reported that the Polish Sorting Center is experiencing a work slowdown and would affect the sorting schedule for this year. However, officials with the Sea Fisheries Institute are planning to open another sorting identification center to work on backlog. Other problems with the Sorting Center include the resignation of 12 staff members with plans to form their own plankton sorting and identification lab. The work group recommends that the Subcommittee consider the possibility of SEAMAP samples being sent to this new center.

* After discussion, J. Shultz stated that the work group would find out more regarding this new Center (price, condition of existing treaty, etc.)

* A. Huff moved to endorse the recommendation from the Plankton Work Group to incorporate the January plankton samples as a SEAMAP activity. Motion was seconded and passed with Texas opposing.

M. Leiby distributed the SAC report (attached). He noted that the Center is currently out of storage space and until FY90 funds are released, SAC operations are at a standstill.

T. Van Devender distributed the SIPAC report (attached). He noted that H. Perry is acting curator while K. Stuck is on sabbatical leave. He also noted that all of the 400 samples to be sorted for invertebrates by the PSC have been received as of 1/2/90.

T. Van Devender also distributed a letter from H. Perry as Chairman of the TCC Crab Subcommittee requesting that there be continued invertebrate sorting effort by the SEAMAP Plankton Work Group (letter attached).

* The Subcommittee concurred that sorting will continue at the SIPAC.

Red Drum Work Group Report

Work Group Leader T. McIlwain polled members and reviewed activities of the various states:

Texas. Expressed concern with the freeze in December resulting in an estimated loss of 62 million fish. Of these, 62,000 were red drum. Texas is currently emphasizing work on escapement and trying to determine status of red drum stocks in Texas. They are completing a joint project with Texas A&M on MTDNA and currently looking at electrophoretic studies on hatchery-reared fish. Texas is continuing to evaluate the contribution of stock fish to the total population. Currently have stocked a total of 82 million red drum in Aransas Bay.

Louisiana. C. Wilson continues to examine offshore stocks, primarily for age.

Mississippi. Mississippi is currently hosting a series of hearing across the coast and will begin to look at changes in their red fish regulations.

Alabama. Alabama continues with their project of rearing, tagging and stocking of red drum. Currently 40,000 fish have been stocked and they are beginning to get returns on those fish. Also looking at further restricting regulations.

NMFS. P. Goodyear continuing stock assessment work.

Florida. Florida is seeing a lot of 1-2 year old fish and are getting pressure to lighten up regulations.

T. McIlwain also noted that black drum is continuing to be a problem in Mississippi, Louisiana, and Alabama. GSMFC is currently developing an interjurisdictional fisheries management plan for black drum.

Adult Finfish Work Group Report

S. Nichols reported that NMFS and Alabama met to coordinate efforts on reef fish surveys. NMFS will begin their survey on March 31. Work Group Leader P. Hammerschmidt can no longer participate as a member and S. Nichols was appointed interim work group leader.

Election of Chairman

Motion was made and approved that W. Tatum and D. Waller serve as Chairman and Vice-Chairman, respectively.

Other Business

The next meeting of the Subcommittee will be held in Orange Beach, Alabama on March 12, 1990.


The Subcommittee thanked T. Van Devender for excellent his work as SEAMAP Coordinator and wished him luck in his new position with the Bureau of Marine Resources.

There being no further business, the meeting adjourned at 1:10 p.m.

01-25-90

SEAMAP DATA MANAGEMENT REPORT

- A. SEAMAP data entry, edit, and verification continues on the 1988 and 1989 data. The status for the 1988 data is shown in attachment 1. Editing of the 1988 has been completed with the exception of three state cruises. The status of the 1989 data is shown in attachment 2. The 1989 data are being entered, edited, and uploaded on the new SEAMAP system from the individual SEAMAP field sites.
- B. Work continues on the 1986 Atlas. All 1986 Atlas computer plots have been completed.
- C. A total of 88 SEAMAP requests have been received to date. Eighty-five have been completed and work is being performed on the remaining requests.
- D. The last SEAMAP personal computer (IBM PS/2 Model 8580-071) has been shipped to North Carolina. A new version of the SEAMAP software has been shipped to each SEAMAP field site with an updated user manual. The new system version resolves several system problems and includes all software enhancements that have been identified to date. The new user manual documentation reflects all changes made to the system.
- E. A South Atlantic Data Management System User Training Meeting was held at NMFS, Stennis Space Center, Mississippi, on December 11-12, 1989. P.C. and Burroughs 7811 batch verification software has been completed and documented. This software provides another way to input data to the SEAMAP system in addition to the SEAMAP interactive data entry/edit software. It will also be used to enter all of the SEAMAP historical data. Approximately 58% of the total SEAMAP Data Management System's estimated cost of \$529,251 has been committed to contracts or \$304,697. Approximately 97% of the committed contract money or \$294,340 has been utilized as of December 17, 1989. Attachment 3 and 4 provide the status of each of the system modules.


Kenneth J. Savastano

24-Jan-90

SEAMAP 1988

BIOLOGICAL

ENVIRONMENTAL

| BIOLOGICAL | | | | | ENVIRONMENTAL | | | | |
|--------------|------------|---------|-------|--------|---------------|----------|---------|--------|-----------|
| DATA | COMPLETION | | | | COMPLETION | | | | |
| SOURCE | STATIONS | SPECIES | TOTAL | STATUS | DATE | STATIONS | RECORDS | STATUS | DATE |
| AL 881 | 7 | 136 | 143 | 7 | 11-Apr-89 | 7 | 21 | 7 | 11-Apr-89 |
| AL 882 | 4 | | 4 | 5 | | 4 | 12 | 5 | |
| AL 883 | | | 0 | 1 | | 10 | 30 | 3 | |
| FL 881 | | | 0 | 1 | | 17 | 51 | 7 | 21-Jul-89 |
| FL 882 | | | 0 | 1 | | 36 | 108 | 7 | 21-Jul-89 |
| LA 29 | 24 | 556 | 580 | 7 | 18-May-89 | 24 | 72 | 7 | 18-May-89 |
| LA 30 | 24 | 567 | 591 | 7 | 19-Oct-89 | 24 | 72 | 7 | 19-Oct-89 |
| LA 31 | 21 | 192 | 213 | 7 | 27-Nov-89 | 21 | 63 | 7 | 12-Sep-89 |
| LA 32 | 20 | 488 | 508 | 7 | 19-Oct-89 | 20 | 60 | 7 | 15-Oct-89 |
| LA 33 | 21 | 190 | 211 | 6 | | 21 | 42 | 6 | |
| LA 34 | 24 | 660 | 684 | 6 | | 24 | 48 | 6 | |
| MS 881 | 41 | 922 | 963 | 7 | 20-Sep-89 | 47 | 141 | 7 | 12-Sep-89 |
| MS 882 | | | 0 | 1 | | 33 | 99 | 7 | 12-Sep-89 |
| MS 883 | 23 | 644 | 667 | 7 | 12-Sep-89 | 26 | 78 | 7 | 12-Sep-89 |
| OII 173 | | | 0 | 1 | | 164 | 492 | 7 | 17-Jan-90 |
| OII 174 | 390 | 7355 | 7745 | 7 | 15-May-89 | 195 | 585 | 7 | 15-May-89 |
| OII 176 | | | 0 | 1 | | 98 | 294 | 7 | 17-Jan-90 |
| OII 177 | 435 | 9287 | 9722 | 7 | 04-May-89 | 320 | 960 | 7 | 17-Jan-90 |
| TX 881 | 80 | 1143 | 1223 | 7 | 26-Jun-89 | 80 | 240 | 7 | 26-Jun-89 |
| TX 882 | 80 | 882 | 962 | 7 | 05-Sep-89 | 80 | 240 | 7 | 26-Jun-89 |
| TOTAL: | 1194 | 23022 | | | | 1251 | 3708 | | |
| BRAND TOTAL: | | 24216 | | | | | 27924 | | |

STATUS CODES:

- *1 - NOT TAKEN
- *2 - TAKEN, NOT RECEIVED
- *3 - BEING PROCESSED AT PASCAGOULA
- *4 - WAITING FOR LOCAL VERIFICATION
- *5 - AT STATES FOR VERIFICATION
- *6 - INITIAL VERIFICATION COMPLETE
- *7 - FINAL VERIFICATION COMPLETE

- *- CHLOROPHYLL AND/OR SALINITIES NOT COMPLETE
- ** RECORD STATUS INCOMPLETE AT THIS TIME

SEAMAP 1989

| Data Source | Status | Inventory | Biological Station | Species | Environmental | Shrimp L/F Station L/F | General L/F | Ichthyoplankton Station Sample | Total |
|-------------|--------|-----------|-----------------------|---------|---------------|---------------------------|-------------|-----------------------------------|--------|
| AL 891 | 2 | 7 | 7 | 103 | 7 | 4 97 | 362 | | 587 |
| AL 892 | 2 | 10 | 10 | 198 | | 7 166 | 991 | | 1382 |
| O II 179 | 2 | | 527 | 933 | 37 | | | | 1497 |
| O II 180 | 3 | 245 | 243 | 4052 | 184 | 156 4822 | 6954 | | 16656 |
| O II 183 | 2 | 114 | 107 | | 114 | | | | 335 |
| O II 184 | 2 | 512 | 491 | 11912 | 229 | | 66969 | | 80113 |
| Total | | 888 | 1385 | 17198 | 571 | 167 5085 | 75276 | | 100570 |

Status Codes

- *1 Not Taken
- 2 Entered in P.C.
- 3 Entered on Burroughs 7811 (verified and data based)

EARNED VALUE SUMMARY REPORT
 BASED ON CURRENT FUNDING
 SEAMAP DMS IMPLEMENTATION
 17 DECEMBER 1989

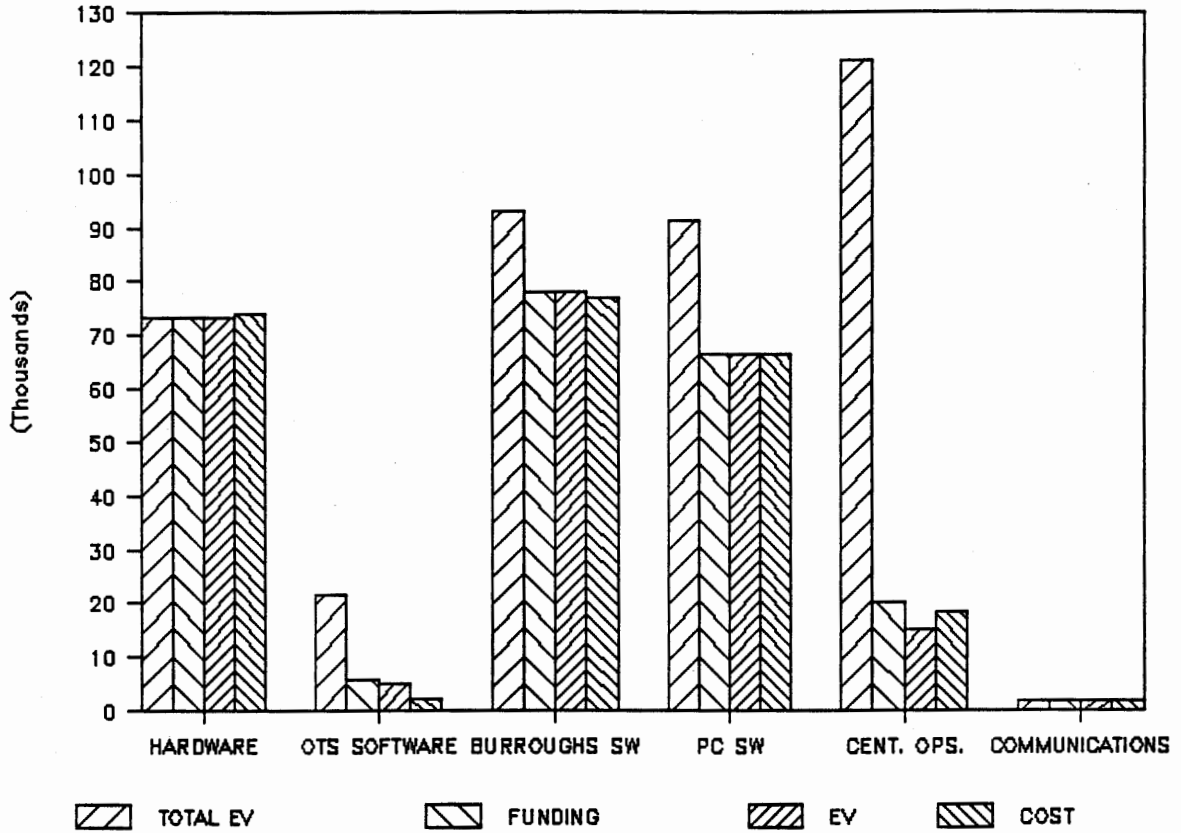
| UNIT NAME | TWR# | EV TO DATE | %EV | ACTUAL COST | %SPENT | VAR (A-E) | %VAR (VAR/EV) | EIC | NVAR | %NVAR | CURRENT MODULE EV | CURRENT FUNDS REMAINING |
|----------------|----------|---------------|--------|----------------|--------|--------------|------------------|---------|-----------|--------|-------------------------|-------------------------------|
| TOTAL DMS IMP. | -- | \$293,751 | 96.4% | \$294,340 | 96.6% | \$589 | 0.2% | \$4,000 | (\$3,411) | -1.1% | \$304,697 | \$10,357 |
| TOTAL LABOR | -- | \$182,751 | 93.5% | \$187,243 | 95.8% | \$4,492 | 2.5% | \$4,000 | \$492 | 0.3% | \$195,503 | \$8,260 |
| TOTAL PROC. | -- | \$111,000 | 101.7% | \$107,097 | 98.1% | (\$3,903) | -3.5% | \$0 | (\$3,903) | -3.5% | \$109,194 | \$2,097 |
| Total HW Cost | -- | \$73,251 | 100.0% | \$73,935 | 100.9% | \$684 | 0.9% | \$0 | \$684 | 0.9% | \$73,251 | (\$684) |
| HW Proc Labor | MF4A34 | \$3,251 | 100.0% | \$3,251 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$3,251 | \$0 |
| HW Proc | (NMFS) | \$70,000 | 100.0% | \$70,684 | 101.0% | \$684 | 1.0% | 0 | \$684 | 1.0% | \$70,000 | (\$684) |
| Total SW Cost | -- | \$5,000 | 86.9% | \$2,357 | 41.0% | (\$2,643) | -52.9% | \$0 | (\$2,643) | -52.9% | \$5,752 | \$3,355 |
| SW Proc Labor | MF4A37 | \$0 | 0.0% | \$138 | 18.4% | \$138 | 0.0% | \$0 | \$138 | 0.0% | \$752 | \$614 |
| SW Proc | (NMFS) | \$5,000 | 100.0% | \$2,219 | 44.4% | (\$2,781) | -55.6% | 0 | (\$2,781) | -55.6% | \$5,000 | \$2,781 |
| Burroughs SW | -- | \$78,000 | 100.0% | \$77,084 | 98.8% | (\$916) | -1.2% | \$0 | (\$916) | -1.2% | \$78,000 | \$916 |
| Data Handler | MF4A33 | \$42,500 | 100.0% | \$42,486 | 100.0% | (\$14) | 0.0% | \$0 | (\$14) | 0.0% | \$42,500 | \$14 |
| Data Handler | UUPLO301 | \$2,000 | 100.0% | \$1,997 | 99.9% | (\$3) | -0.2% | \$0 | (\$3) | -0.2% | \$2,000 | \$3 |
| Data Handler | UM001203 | \$1,000 | 100.0% | \$152 | 15.2% | (\$848) | -84.8% | \$0 | (\$848) | -84.8% | \$1,000 | \$848 |
| Reformat | MF4A01 | \$20,000 | 100.0% | \$19,995 | 100.0% | (\$5) | 0.0% | \$0 | (\$5) | 0.0% | \$20,000 | \$5 |
| On-line Doc | MF4A38 | \$7,500 | 100.0% | \$7,488 | 99.8% | (\$12) | -0.2% | \$0 | (\$12) | -0.2% | \$7,500 | \$12 |
| Mbox/Bboard | UM001204 | \$5,000 | 100.0% | \$4,966 | 99.3% | (\$34) | -0.7% | \$0 | (\$34) | -0.7% | \$5,000 | \$34 |
| PC Software | -- | \$66,500 | 100.0% | \$66,485 | 100.0% | (\$15) | 0.0% | \$0 | (\$15) | 0.0% | \$66,500 | \$15 |
| Upload | MF4A32 | \$32,000 | 100.0% | \$31,997 | 100.0% | (\$3) | 0.0% | \$0 | (\$3) | 0.0% | \$32,000 | \$3 |
| Upload | UM001102 | \$5,000 | 100.0% | \$5,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$5,000 | \$0 |
| Upload | UM001103 | \$2,000 | 100.0% | \$2,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$2,000 | \$0 |
| Upload | UUPLO302 | \$6,000 | 100.0% | \$6,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$6,000 | \$0 |
| Download | MF4A31 | \$17,500 | 100.0% | \$17,488 | 99.9% | (\$12) | -0.1% | \$0 | (\$12) | -0.1% | \$17,500 | \$12 |
| Download | UM001201 | \$3,000 | 100.0% | \$3,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$3,000 | \$0 |
| Download | UM001202 | \$1,000 | 100.0% | \$1,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$1,000 | \$0 |
| Analysis/Disp | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Central Ops | -- | \$15,000 | 75.0% | \$18,384 | 91.9% | \$3,384 | 22.6% | \$4,000 | (\$616) | -3.2% | \$20,000 | \$1,616 |
| Sys Mgmt | MF4A40 | \$5,000 | 100.0% | \$4,771 | 95.4% | (\$229) | -4.6% | \$0 | (\$229) | -4.6% | \$5,000 | \$229 |
| Data Process | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| PC SW Maint | MF4A44 | \$5,000 | 50.0% | \$8,724 | 67.2% | \$3,724 | 74.5% | \$4,000 | (\$276) | -3.1% | \$10,000 | \$1,276 |
| Burr SW Maint | MF4A45 | \$5,000 | 100.0% | \$4,889 | 97.8% | (\$111) | -2.2% | \$0 | (\$111) | -2.2% | \$5,000 | \$111 |
| Special Recs | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Archival | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Communications | MF4A36 | \$2,000 | 100.0% | \$2,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$2,000 | \$0 |

EARNED VALUE SUMMARY REPORT
 BASED ON CURRENT FUNDING
 SEAMAP DMS IMPLEMENTATION
 17 DECEMBER 1989

| UNIT NAME | TWR# | EV TO DATE | %EV | ACTUAL COST | %SPENT | VAR (A-E) | %VAR (VAR/EV) | EIC | %VAR | %NVAR | CURRENT MODULE EV | CURRENT FUNDS REMAINING |
|----------------|----------|---------------|--------|----------------|--------|--------------|------------------|-----|-----------|--------|-------------------------|-------------------------------|
| Training | -- | \$18,000 | 90.0% | \$18,783 | 93.9% | \$783 | 4.4% | \$0 | \$783 | 4.4% | \$20,000 | \$1,217 |
| Site Users | MF4A39 | \$5,000 | 100.0% | \$4,994 | 99.9% | (\$6) | -0.1% | \$0 | (\$6) | -0.1% | \$5,000 | \$6 |
| Training Prep | UM001205 | \$3,000 | 100.0% | \$3,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$3,000 | \$0 |
| Gulf Train | UM001206 | \$4,000 | 100.0% | \$4,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$4,000 | \$0 |
| S Atl Train | MF4A43 | \$0 | 0.0% | \$1,451 | 72.6% | \$1,451 | 0.0% | \$0 | \$1,451 | 0.0% | \$2,000 | \$549 |
| Sys Maint | UM001207 | \$3,000 | 100.0% | \$2,566 | 85.5% | (\$434) | -14.5% | \$0 | (\$434) | -14.5% | \$3,000 | \$434 |
| Sys S/W Train | MF4A42 | \$3,000 | 100.0% | \$2,772 | 92.4% | (\$228) | -7.6% | \$0 | (\$228) | -7.5% | \$3,000 | \$228 |
| Near Real Time | -- | \$36,000 | 105.3% | \$34,194 | 100.0% | (\$1,806) | -5.0% | \$0 | (\$1,806) | -5.0% | \$34,194 | \$0 |
| Data Ent SW | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Comm I'face | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| NRT Burr SW | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Port PC SW | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Antenna Proc | (NMFS) | \$30,000 | 100.0% | \$30,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$30,000 | \$0 |
| PC HW Proc | (NMFS) | \$6,000 | 143.1% | \$4,194 | 100.0% | (\$1,806) | -30.1% | \$0 | (\$1,806) | -30.1% | \$4,194 | \$0 |
| Plotting | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Atlas | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Plankton | -- | \$0 | 0.0% | \$1,118 | 22.4% | \$1,118 | 0.0% | \$0 | \$1,118 | 0.0% | \$5,000 | \$3,882 |
| Icthyo DB | UM001101 | \$0 | 0.0% | \$1,118 | 22.4% | \$1,118 | 0.0% | \$0 | \$1,118 | 0.0% | \$5,000 | \$3,882 |
| Ice DB | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |

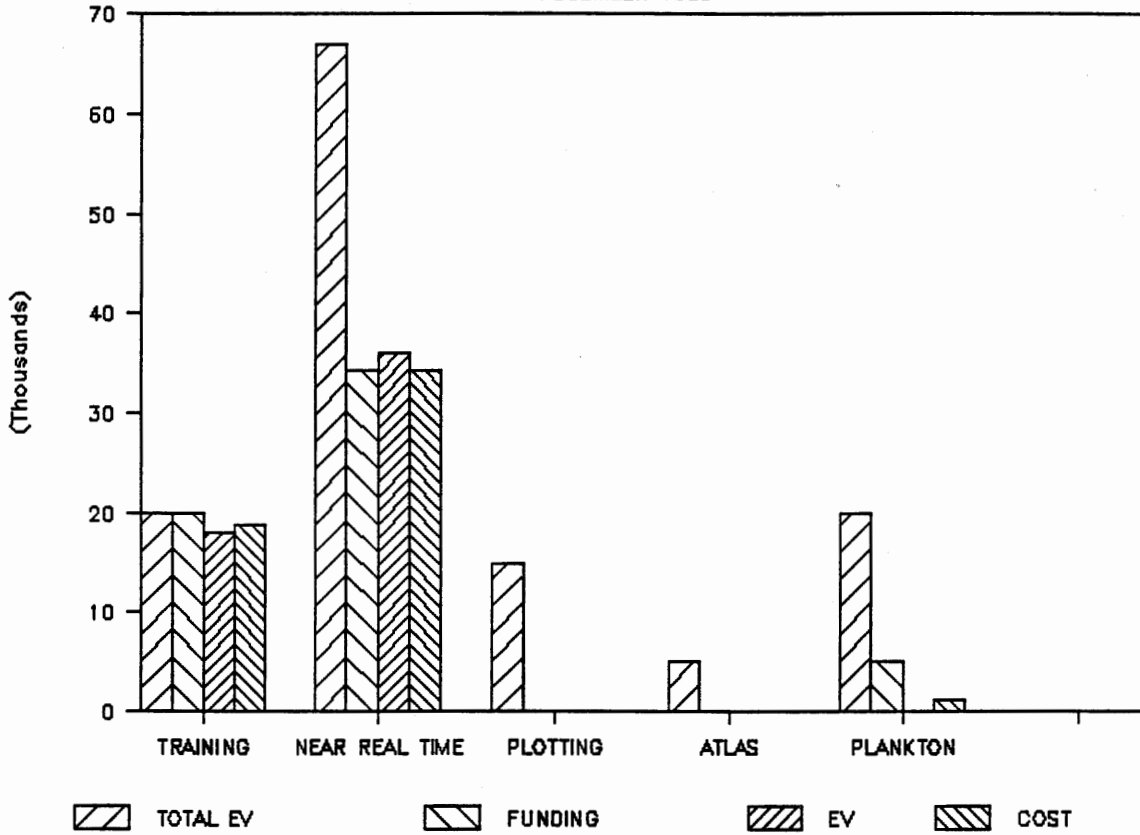
EARNED VALUE SUMMARY REPORT

17 DECEMBER 1989



EARNED VALUE SUMMARY REPORT

17 DECEMBER 1989



Desk-Top Information System for SEAMAP Trawl Survey Data

NOS/NMFS Cooperative Project

The rapidly evolving microcomputer capabilities of database management, data exchange, geo-referenced mapping, and data analysis are making direct access to large data sets available to a wide spectrum of users. The goal is to apply these new capabilities to develop a microcomputer based "desk-top information system" to improve significantly the access and use of the data compiled in the SEAMAP Trawl Survey Program.

Introduction

At its annual fall meeting in Biloxi, MI, the SEAMAP Technical Committee previewed a recently completed desk-top information system for analyzing shrimp harvest data in the Gulf of Mexico. This desk-top system was the result of a year-long cooperative project between the Galveston Laboratory of the National Marine Fisheries Service (NMFS) and the Strategic Assessment Branch (SAB) of the National Ocean Service (NOS).

The SEAMAP SUBCOMMITTEE requested that members of its data management team meet with the *Cmas* Gulf of Mexico Shrimp Harvest Group to examine the possibility of developing a *Cmas* SEAMAP desk-top information system. A steering committee was established and met in late November at Stennis Space Center. It was agreed at this meeting that work should begin on a "pre-prototype" system, using available NMFS data, to assess the requirements of the desk-top system. The plan is to evolve the pre-prototype into a more complete prototype to distribute to selected academic researchers and state and federal resource managers by late summer (1990).

Discussion at the meeting focused on initial specifications of both the data base and components of the pre-prototype system. Both are summarized in this report.

SEAMATM

The Southeast Area Monitoring and Assessment Program (SEAMAP) is a State/Federal/university program for collection and dissemination of fishery-independent data and information in the southeastern United States. The program presently consists of three operational

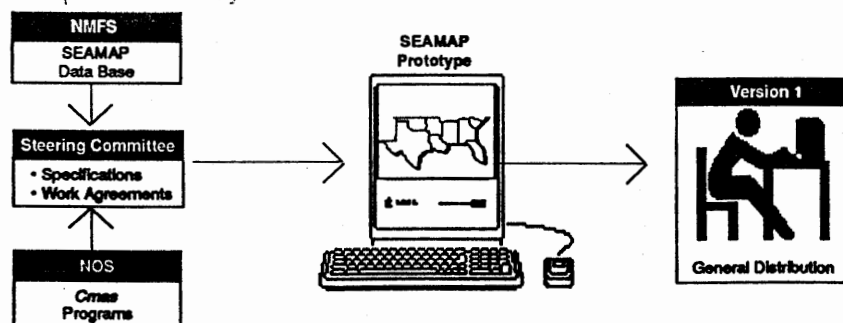
components: SEAMAP - Gulf of Mexico, which began in 1981; SEAMAP - South Atlantic, 1983; and SEAMAP - Caribbean, 1988.

The program emphasizes the collection of fishery-independent data for specific short and long-term management needs. Data are entered and disseminated through a regional, multipurpose database accessible to all participating management agencies. The database provides information necessary for managers and scientists to monitor and assess the condition of species or species groups subject to state, interstate, federal and international management programs. Environmental parameters and community structure are also monitored to provide insights on the dynamics of southeast area living marine resources. Data collection and management procedures are coordinated among participants to enhance the usefulness of the data, minimize costs, and increase the accessibility of information to fishery researchers, administrators, and managers.

Computer Mapping and Analysis System

SAB's Computer Mapping and Analysis System (*Cmas*) has been developed to facilitate comparisons, analyses and mapping of information on the distribution, abundance, and life history of marine species throughout major regions of the U.S. Exclusive Economic Zone. Users can (1) define specific areas for analysis; (2) develop maps and simple summations by species, month, year, and area; (3) select combinations of species and attributes for maps, time series histograms or tabular summaries; and (4) compute ratios and other comparisons for specified subareas of previously stored analyses. *Cmas* is a compact information system that operates on an Apple Macintosh computer. The SEAMAP Survey data base

Development of a Desk-top Information System for SEAMAP



will join four other applications in the *Cmas* family: *Biogeography of Living Marine Resources in the Gulf of Mexico*; *Biogeography of Living Marine Resources in the Bering, Chukchi and Beaufort Seas Regions*; *Gulf of Mexico Shrimp Harvest*, and *Seabird Colonies for the West Coast of North America*.

The Pre-prototype Data Base

Two principal criteria defined the pre-prototype data base: 1) that it be representative both in time and space of the complete SEAMAP data set, and 2) that it be accessible within a few months. These criteria led to the following specifications:

- The Study Area will be the SEAMAP survey area which extends roughly from Apalachicola Bay, FL to Brownsville, TX, and from the coastline to about 100m depth.
- Data will encompass NMFS summer cruises for 1981-1989. This data set, about 2,200 individual stations, is presently resident on the NMFS computers in Pascagoula, MI.
- The data base will include both total catch weight and total numbers of animals caught by station for about 150-200 of the principal species.
- The data base will include the full suite of environmental and "effort" parameters, with the single exception of climate conditions (e.g., wind speed, air pressure, etc.).

System Specifications

Specifications for the pre-prototype desk-top system are as follows.

- The system will allow mapping of both SEAMAP data and other data entered by individual users on relatively high resolution base maps. Base maps will include the entire Gulf of Mexico, the Study Area, and individual states.
- The system will have a full complement of sorting and selection capabilities, easily allowing users to extract information across the entire set of parameters.
- The system will provide a variety of summary outputs, including tables, maps, and graphics, all closely linked to desk-top publishing.

Progress to Date and Project Schedule

Work to date has focused on two components of the system: 1) formatting and transferring the pre-prototype data base, and 2) developing high resolution base maps. Both of these efforts were completed in early January. Work is proceeding on developing the basic data base structure. Plans are to complete the pre-prototype in May and to proceed with the prototype and final version during the summer.

The Steering Committee

For further information on this project contact.

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MEMORANDUM TO: SEAMAP Subcommittee

DATE: 25 January 1990

FROM: Joanne Lyczkowski-Shultz, Plankton Workgroup Leader

SUBJECT: Workgroup Conference Call

On January 12, 1990 the Plankton Workgroup met via conference call. Tom Van Devender and the following workgroup members participated in this call: Mark Leiby, John Kern, Churchill Grimes, Don Hoss, Rick Shaw, Harriet Perry, and Joanne L-Shultz. The following items were discussed.

1. The primary item of discussion was a request by J. Kern (on behalf of the Louisiana Dept. of Wildlife and Fisheries) to revise the SEAMAP sorting protocol. Kern indicated that it was taking an excessive length of time to process Louisiana plankton samples and that in the future if changes weren't made fewer samples would have to be sorted. Agreement was reached that smaller aliquots could be sorted for fish eggs, using 200 eggs as the target number on which to base the decision on final aliquot size. However, most workgroup members were unwilling to change the protocol regarding larvae. Based on this discussion it was agreed that J. L-Shultz would draft up a revised sorting protocol and send it out to the workgroup members for their approval.
2. J. L-Shultz informed the others that the Oregon II had been collecting plankton samples in the central northern Gulf during the period 6 to 9 January 1990. This news was well received by all the workgroup members, and it was hoped that this effort represents the beginning of more extensive wintertime plankton sampling for SEAMAP.
3. Don Hoss spoke briefly about his visit last fall to the Polish Sorting and Identification Center (PSC). He told us that there had been a work "slow-down" in progress at that time to protest low wages which no doubt affected the processing of SEAMAP samples. He also told us of plans by the Sea Fisheries Institute to open another plankton sorting and identification center in Gdynia (where the main fisheries laboratory is located).
4. J. L-Shultz and T. Van Devender informed the others about the plans of 12 PSC staff members to leave the lab in Szczecin and enter into a joint venture with a West German businessman and establish their own plankton laboratory. The individuals who plan to leave include the most experienced larval fish and zooplankton taxonomists. The workgroup members recommended that SEAMAP consider the possibility of sending our plankton samples to the new laboratory in Poland.

1989 SEAMAP Report
SEAMAP Ichthyoplankton Archiving Center (SAC)
Quarter IV 1989

Present Status

Florida participated in the fall SEAMAP ichthyoplankton survey in October. A total of 36 stations were occupied (see attached report and cruise track). During this cruise, we had major equipment damage for the first time. A neuston net was slashed by the boat's propeller and a Niskin bottle was broken. Both of these have been sent off for repair and we expect them to be operational by the spring cruise in 1990. The chlorophyll samples and part of the salinities have been sent to appropriate agencies. We await the return of the shipping crates to send off the remaining salinity samples. Although the samples have been transferred from formalin to ethanol, we have not been able to send them to Miami and GCRL. My most experienced curatorial assistant, Kim Kainer, left in November for another job, and with the training for the new assistant, we have not had time to transport the samples. I hope to be able to get the field data and sample deliveries completed before the end of Quarter I, 1990.

Because of training, inventory procedures and a lack of space, we have only accessioned 82 samples from the shipment from the PSC. We have also received two large crates from NMFS, Miami which contain 1987 bluefin tuna cruise (Oregon II) samples. We will not be able to process these until we can purchase new storage cabinets.

We have completed the 1982 inventory and have sent out letters to loan users asking them to confirm samples from that year which are currently in their possession. So far, we have had a relatively poor response. During the inventory process, we discovered that a block of samples which had been sent to us by Poland and listed as being collected in 1983 were in fact collected during 1982. The data and specimens were transferred to 1982 files and storage cabinets and users of 1982 and 1983 samples were notified by mail of this discrepancy.

The new IBM PS/2 Model 80 computer system arrived and has been set up. Files are currently being transferred from the IBM PC-AT and the new communications and SEAMAP data base management software have been loaded. I expect to begin learning the SEAMAP system and begin transferring files in late Quarter I, 1990.

Requests

The following is a list of loans and data that have been requested and/or shipped between 1 October 1989 and 31 December 1989. Quarter III was particularly slow for requests because material from recent years is not yet available for our regular loan users.

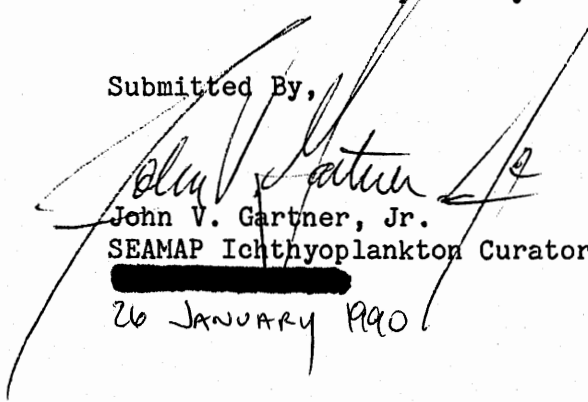
| <u>Requester</u> | <u>Priority</u> | <u>Shipped?</u> | <u>Taxon(-a)</u> | <u>No. Lots</u> | <u>Status</u> |
|----------------------|-----------------|-----------------|--|-----------------|---------------|
| Ditty(Shaw) | 1 | Yes | 1982-86 Echeneididae Rachycentridae | 8 | Out |
| Drullinger (Shaw) | 1 | Yes | 1982-86 Mugilidae | 6 | Out |

SEAMAP Archiving Center
Quarter IV 1989
Page 2

Future

We are completely out of storage space. Until SEAMAP funds for FY 1990-1991 are released, we cannot accession any additional material (except 1984 and 1985) even though some cruise samples have been received. Because of where we expect to place the new storage cabinets, once we do receive funds, order, and receive new storage cabinets, it will be necessary to suspend all SAC operations until the new cabinets are installed and the samples reshelved. I expect this will take about one month and will probably occur sometime during Quarter II 1990.

Submitted By,


John V. Gartner, Jr.
SEAMAP Ichthyoplankton Curator
[REDACTED]

26 JANUARY 1990

SEAMAP Invertebrate Archiving Center
Activity Report, 9/30/89 - 1/22/90

SIPAC curator Ken Stuck remains on sabbatical leave from GCRL (September 1, 1989 - August 31, 1990). Harriet Perry (GCRL) continues to serve as SIPAC curator.

Unsorted samples

One hundred and twenty-four unsorted samples from 1989 and 1990 were received from Pascagoula. To date, 3,925 unsorted SEAMAP plankton samples have been received and catalogued at SIPAC. These samples are listed in Appendix 1.

Samples/Data on Loan

| | |
|------------------|--|
| J. Shultz (GCRL) | Tommy Munro, Cruise 863, Left Bongo, 8 samples |
| J. Power (LSU) | Portunid megalopal data |
| H. Perry (GCRL) | Portunid megalopal data |
| G. Zeiski (LDWF) | Portunid megalopal and penaeid postlarval data |

Invertebrate sorting

Seven hundred and seventy-one samples have been sorted for selected invertebrate taxa at GCRL and the Polish Sorting Center, following established protocol. These samples are listed in Appendix 2.

All of the 400 samples to be sorted for invertebrates by the PSC (1986 agreement) have been received as of 1/2/90.

As of 31 September 1984, 3,533 lots of selected invertebrate taxa have been sorted and catalogued at SIPAC. Of that total, 1,129 lots were provided by the Polish Sorting Center, and 955 lots were provided by GCRL personnel. Gulf Coast Research Laboratory has currently identified 1,449 lots of portunid megalopae from those samples. These have been catalogued at SIPAC.

Future Status

During the next fiscal year, work will continue on identifying sorted material catalogued at SIPAC to lower taxonomic levels. Particular emphasis will be placed on providing data on the larval distribution of Callinectes sapidus. The future success of SIPAC to provide specimens and data on invertebrate species will depend in large part on the reinstatement of past funds or the generation of new monies to support invertebrate sorting.

Submitted by:

Harriet

Harriet M. Perry

Appendix 1. UNSORTED SEAMAP PLANKTON SAMPLES CATALOGUED AT SIPAC

-- 1982 --

| Vessel | Cruise | Gear | No. samples |
|--------------|--------|---------|-------------|
| OR II | 126 | Bongo-R | 129 |
| OR II | 127 | Bongo-R | 67 |
| H. Cortez | 01 | Bongo-R | 6 |
| H. Cortez | 02 | Bongo-R | 22 |
| H. Cortez | 03 | Bongo-R | 16 |
| Jeff & Tina | 03 | Bongo-R | 10 |
| Western Gulf | 15 | Bongo-R | 2 |
| Bellows | S482 | Bongo-R | 6 |
| Total | | | 258 |

-- 1983 --

| | | | |
|--------------|-------|---------|-----|
| Delaware II | 37 | Neuston | 1 |
| OR II | 135 | Neuston | 2 |
| OR II | 138 | Neuston | 1 |
| OR II | 134 | Bongo-R | 101 |
| OR II | 135 | Bongo-L | 55 |
| OR II | 138 | Bongo-L | 4 |
| OR II | 138 | Bongo-R | 18 |
| OR II | 140 | Bongo-R | 22 |
| Louisiana 25 | 4 | Bongo-L | 3 |
| Louisiana 25 | 5 | Bongo-L | 21 |
| Tommy Munro | 135 | Bongo-L | 14 |
| Tommy Munro | RD 83 | Bongo-L | 3 |
| Suncoaster | 1 | Bongo-L | 3 |
| Alabama 23 | 135 | Bongo-R | 6 |
| Delaware | 37 | Bongo-R | 16 |
| Total | | | 270 |

-- 1984 --

| | | | |
|--------------|-----|---------|-----|
| Louisiana 25 | 6 | Bongo-R | 9 |
| Louisiana 25 | 7 | Bongo-R | 18 |
| Louisiana 25 | 9 | Bongo-R | 21 |
| OR II | 146 | Bongo-R | 174 |
| OR II | 145 | Bongo-R | 61 |
| OR II | 142 | Bongo-R | 23 |
| OR II | 148 | Bongo-R | 29 |
| OR II | 149 | Bongo-R | 36 |
| OR II | 143 | Bongo-R | 94 |
| Bellows | 84 | Bongo-R | 19 |
| Tommy Munro | 1 | Bongo-R | 10 |
| Total | | | 494 |

| Vessel | Cruise | Gear | No. Samples |
|--------|--------|------|-------------|
|--------|--------|------|-------------|

-- 1985 --

| | | | |
|--------------|------|---------|-----|
| Tommy Munro | 85 | Bongo-L | 5 |
| Pelican | 12 | Bongo-L | 22 |
| Pelican | 85 | Bongo-L | 20 |
| Louisiana 25 | 10 | Bongo-L | 18 |
| Louisiana 25 | 10 | Bongo-R | 3 |
| Pelican | 15 | Bongo-L | 24 |
| Pelican | 13 | Bongo-L | 25 |
| Tommy Munro | 185 | Bongo-L | 2 |
| Louisiana 25 | 14 | Bongo-L | 18 |
| Tommy Munro | 85-2 | Bongo-L | 18 |
| Bellows | 8516 | Bongo-R | 35 |
| OR II | 154 | Bongo-L | 47 |
| OR II | 153 | Bongo-L | 36 |
| OR II | 151 | Bongo-R | 28 |
| Pelican | 12 | Neuston | 18 |
| Pelican | 13 | Neuston | 9 |
| Pelican | 085 | Neuston | 1 |
| Tommy Munro | 85 | Neuston | 5 |
| Tommy Munro | 85-4 | Neuston | 3 |
| Tommy Munro | 85-2 | Neuston | 17 |
| OR II | 154 | Neuston | 4 |
| OR II | 156 | Neuston | 1 |
| Tommy Munro | 85-4 | Bongo-L | 5 |
| Total | | | 364 |

-- 1986 --

| | | | |
|--------------|-------|-----------|----|
| Pelican | 16 | Bongo (?) | 24 |
| Pelican | 18 | Bongo-L | 24 |
| Pelican | 21 | Bongo-R | 23 |
| Pelican | 19 | Bongo-R | 23 |
| Louisiana 25 | 20 | Bongo-R | 15 |
| Louisiana 25 | 17 | Bongo-L | 21 |
| Chapman | 14 | Bongo-L | 65 |
| OR II | 163 | Bongo-L | 62 |
| OR II | 163 | Bongo-R | 1 |
| OR II | 161 | Bongo-L | 91 |
| OR II | 160 | Bongo-L | 44 |
| Tommy Munro | 86 | Bongo-L | 14 |
| Tommy Munro | 862 | Bongo-L | 6 |
| Tommy Munro | 863 | Bongo-L | 9 |
| H. Cortez II | 8602 | Bongo-L | 29 |
| H. Cortez II | 8601 | Bongo-L | 6 |
| Alabama 23 | 961 | Bongo-L | 8 |
| H. Cortez | 86-04 | Bongo-L | 28 |
| Alabama 23 | 861 | Bongo-L | 1 |

| Vessel | Cruise | Gear | No. Samples |
|--------------|--------|---------|-------------|
| OR II | 159 | Neuston | 147 |
| Pelican | 21 | Neuston | 5 |
| H. Cortez | 86-04 | Neuston | 28 |
| Pelican | 19 | Neuston | 24 |
| Tommy Munro | 862 | Neuston | 9 |
| Chapman | 14 | Neuston | 65 |
| OR II | 163 | Neuston | 64 |
| OR II | 161 | Neuston | 90 |
| OR II | 160 | Neuston | 43 |
| Tommy Munro | 86 | Neuston | 14 |
| Tommy Munro | 863 | Neuston | 9 |
| H. Cortez II | 8602 | Neuston | 29 |
| H. Cortez II | 8601 | Neuston | 5 |
| Alabama 23 | 961 | Neuston | 16 |
| Alabama 23 | 861 | Neuston | 1 |

Total 1043

-- 1987 --

| | | | |
|--------------|------|-----------|-----|
| OR II | 166 | Bongo-L | 71 |
| OR II | 167 | Bongo-L | 45 |
| Tommy Munro | 871 | Bongo-L | 2 |
| Tommy Munro | 872 | Bongo-L | 6 |
| OR II | 169 | Bongo-L | 91 |
| Pelican | 25 | Bongo-R | 11 |
| Pelican | 25 | Bongo-L | 12 |
| Pelican | 23 | Bongo (?) | 23 |
| Pelican | 22 | Bongo (?) | 14 |
| H. Cortez II | 875 | Bongo-L | 36 |
| H. Cortez II | 8703 | Bongo-L | 18 |
| OR II | 171 | Bongo-L | 24 |
| Louisiana 25 | 24 | Bongo (?) | 21 |
| Louisiana 25 | 26 | Bongo-L | 21 |
| Louisiana 25 | 26 | Bongo-R | 2 |
| Pelican | 28 | Bongo-R | 12 |
| Pelican | 28 | Bongo-L | 12 |
| Tommy Munro | 874 | Bongo-L | 3 |
| Tommy Munro | 873 | Bongo-L | 19 |
| OR II | 166 | Neuston | 159 |
| OR II | 167 | Neuston | 44 |
| Tommy Munro | 871 | Neuston | 2 |
| Tommy Munro | 872 | Neuston | 6 |
| OR II | 169 | Neuston | 91 |
| Pelican | 25 | Neuston | 4 |
| Pelican | 23 | Neuston | 12 |
| Pelican | 22 | Neuston | 4 |
| H. Cortez II | 875 | Neuston | 36 |
| H. Cortez II | 8703 | Neuston | 16 |
| OR II | 171 | Neuston | 23 |

| Vessel | Cruise | Gear | No. Samples |
|-------------|--------|---------|-------------|
| Pelican | 28 | Neuston | 10 |
| Tommy Munro | 874 | Neuston | 3 |
| Alabama | 873 | Neuston | 14 |
| | | | Total 886 |

-- 1988 --

| | | | |
|--------------|------|------------|-----------|
| H. Cortez II | 8801 | Bongo-L | 17 |
| OR II | 173 | Bongo-L | 69 |
| Pelican | 29 | Bongo-R | 11 |
| OR II | 174 | Bongo-L | 19 |
| H. Cortez II | 8802 | Bongo-L | 35 |
| OR II | 176 | Bongo-L | 39 |
| H. Cortez II | 8801 | Neuston | 13 |
| H. Cortez II | 8802 | Neuston | 36 |
| Louisiana 25 | 31 | 1/2 m Ring | 21 |
| Louisiana 25 | 33 | 1/2 m Ring | 21 |
| Pelican | 30 | Bongo-R | 12 |
| Pelican | 30 | Bongo-L | 12 |
| Pelican | 30 | Neuston | 12 |
| Pelican | 32 | Bongo-R | 10 |
| Pelican | 32 | Bongo-L | 10 |
| Pelican | 32 | Neuston | 7 |
| Pelican | 34 | Bongo-R | 8 |
| Pelican | 34 | Bongo-L | 8 |
| Pelican | 34 | Neuston | 8 |
| Pelican | 29 | Bongo-L | 11 |
| Pelican | 29 | Neuston | 5 |
| OR II | 177 | Bongo-L | 37 |
| Tommy Munro | 881 | Bongo-L | 6 |
| Tommy Munro | 882 | Bongo-L | 33 |
| Tommy Munro | 883 | Bongo-L | 3 |
| | | | Total 463 |

-- 1989 --

| | | | |
|--------------|------|---------|-----------|
| H. Cortez II | 8901 | Bongo-L | 25 |
| OR II | 180 | Bongo-L | 21 |
| OR II | 183 | Bongo-L | 36 |
| OR II | 184 | Bongo-L | 39 |
| Tommy Munro | 891 | Bongo-L | 7 |
| Tommy Munro | 893 | Bongo-L | 5 |
| Tommy Munro | 894 | Bongo-L | 3 |
| Pelican | 894 | Bongo-L | 2 |
| | | | Total 138 |

--1990--

| | | | |
|-------|-----|---------|----|
| OR II | 185 | Bongo-L | 11 |
|-------|-----|---------|----|

Appendix 2. SEAMAP samples sorted for invertebrate taxa.

| Vessel | Cruise | Year | Gear | Where | Number |
|------------|--------|------|-----------|--------|--------|
| OR II | 126 | 1982 | BGO-L | GCRL | 1 |
| OR II | 127 | 1982 | BGO-R | GCRL | 6 |
| Bellows | 84 | 1984 | BGO-L | Poland | 20 |
| T. Munro | 01 | 1984 | BGO-L | Poland | 11 |
| OR II | 145 | 1984 | BGO-L | Poland | 62 |
| Lou. 25 | 7 | 1984 | BGO-L | Poland | 20 |
| Lou. 25 | 6 | 1984 | BGO-L | Poland | 21 |
| Lou. 25 | 6 | 1984 | BGO-R | GCRL | 9 |
| Lou. 25 | 7 | 1984 | BGO-R | GCRL | 18 |
| Lou. 25 | 9 | 1984 | BGO-R | GCRL | 21 |
| OR II | 146 | 1984 | BGO-L | Poland | 69 |
| T. Munro | 01 | 1984 | Neuston | Poland | 10 |
| Bellows | 84 | 1984 | Neuston | Poland | 20 |
| Alabama | 135 | 1984 | Neuston | Poland | 5 |
| OR II | 145 | 1984 | Neuston | Poland | 62 |
| OR II | 146 | 1984 | Neuston | Poland | 73 |
| Pelican | 085 | 1985 | BGO-L | GCRL | 20 |
| Pelican | 12 | 1985 | BGO-L | GCRL | 21 |
| Pelican | 13 | 1985 | BGO-L | GCRL | 24 |
| T. Munro | 85-4 | 1985 | BGO-L | GCRL | 4 |
| Pelican | 15 | 1985 | BGO-L | GCRL | 23 |
| T. Munro | 185 | 1985 | BGO-L | GCRL | 2 |
| Lou. 25 | 10 | 1985 | BGO-L | GCRL | 21 |
| T. Munro | 85 | 1985 | Neuston | GCRL | 5 |
| T. Munro | 85-4 | 1985 | Neuston | GCRL | 3 |
| T. Munro | 85-2 | 1985 | Neuston | GCRL | 17 |
| T. Munro | 85-2 | 1985 | BGO-L | GCRL | 19 |
| Lou. 25 | 14 | 1985 | BGO-L | GCRL | 18 |
| T. Munro | 85 | 1985 | BGO-L | GCRL | 5 |
| Pelican | 21 | 1986 | Neuston | GCRL | 1 |
| Alabama 23 | 873 | 1987 | Neuston | GCRL | 6 |
| Lou. 25 | 31 | 1988 | 1/2m Ring | GCRL | 21 |
| Pelican | 29 | 1988 | Neuston | GCRL | 3 |
| Pelican | 30 | 1988 | Neuston | GCRL | 12 |
| Pelican | 32 | 1988 | Neuston | GCRL | 7 |
| Pelican | 34 | 1988 | Neuston | GCRL | 8 |
| Pelican | 29 | 1988 | BGO-L | GCRL | 10 |
| Pelican | 30 | 1988 | BGO-L | GCRL | 12 |
| Pelican | 32 | 1988 | BGO-L | GCRL | 10 |
| Pelican | 34 | 1988 | BGO-L | GCRL | 8 |
| Lou. 25 | 33 | 1988 | 1/2m Ring | GCRL | 21 |

Total 729



Gulf Coast Research Laboratory

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LEARNING
STATE OF MISSISSIPPI

22 January 1990

Dr. Joanne Shultz
Gulf Coast Research Laboratory
P. O. Box 7000
Ocean Springs, MS 39564

Dear Joanne:

On behalf of the TCC Crab Subcommittee, I request the continued support of the invertebrate sorting effort by the SEAMAP Plankton Workgroup. Through the efforts of Dr. Jim Power of LSU, the Crab Subcommittee has received the first of a series of plots charting the distribution of portunid megalopae based SEAMAP collections sorted at the PSC and GCRL. This is an ongoing process and one that we anticipate will result in the compilation of an atlas. This is the first regional data set and, as such, represents an initial step in understanding the seasonal and areal distribution of portunid megalopae in the Gulf. The Crab Subcommittee will work with the your group in any way possible to see that this effort is continued.

Sincerely,

Harriet

Harriet M. Perry
Chairman, Crab Subcommittee

cc: Dr. Jim Power
TCC Crab Subcommittee

GSMFC AD HOC COMMITTEE
MINUTES
Friday and Saturday, February 2-3, 1990
Baton Rouge, Louisiana

Virginia Van Sickle, Chairman of the Ad Hoc Committee called the meeting to order at approximately 1:00 p.m. Attendance was as follows:

Members

Virginia Van Sickle, LDWF, Baton Rouge, LA
John Ray Nelson, Bon Secour Fisheries, Bon Secour, AL
Ed Joyce, FDNR, Tallahassee, FL
Vernon Bevill, MDWFP, Jackson, MS
Tommy Gollott, Mississippi State Senate, Biloxi, MS

Staff

Larry B. Simpson, Executive Director
Ronald R. Lukens, Special Assistant to the Director

Others

Barney Barrett, LDWF, Baton Rouge, LA
Chris Nelson, Bon Secour Fisheries, Bon Secour, AL

Friday, February 2, 1990

* The meeting opened with a short discussion of the minutes and summaries of the first Ad Hoc Committee (AHC) meeting. V. Van Sickle suggested that verbatim minutes of the present meeting would not be necessary, but rather a more standard summary style would be adequate. E. Joyce moved approval of verbatim minutes. The motion was seconded and approved.

The agenda was discussed and was approved as a general guideline for the meeting.

V. Van Sickle opened the discussion of proposed revisions to the Rules and Regulations which govern the operation of the Gulf States Marine Fisheries Commission (GSMFC). Prior to the second AHC meeting, V. Van Sickle, V. Bevill, and T. Gollott met as a group to review the Rules and Regulations and make recommendations for revisions to the full AHC. A discussion ensued clarifying that the Compact itself is federal legislation and would require an act of the U.S. Congress to amend. For future reference, the following suggestions regarding the Compact were offered in the future event that amendments to the Compact are desired:

- Article VII names the U.S. Fish and Wildlife Service as the designated research area of GSMFC. It should more appropriately be the National Marine Fisheries Service (NMFS). It is thought that such a change was made when NMFS was formed under the Department of Commerce.
- Article VIII makes provisions for states other than those named in the Compact to become a party to the Compact in the event an anadromous or marine species should be of interest to that state. That joining state would have interest in GSMFC activities only with respect to the particular species of interest. It was suggested to delete that article; however, after some discussion, that suggestion was withdrawn.
- Article XII lists the amounts which were initially paid by each state. It was suggested that that article needs to be updated. A discussion revealed that the figures were identified as initial appropriations until modified as provided.

For a complete record of recommended revisions to the Rules and Regulations, see Attachment 1.

A discussion ensued regarding the makeup of the proposed Legislative Advisory Panel (LAP), including recommendations from the first AHC meeting. T. Gollott recommended the following makeup from each state:

- 1 - GSMFC legislative member
- 2 - Senate
- 2 - House of Representatives.

This would allow five members from each state for a total LAP membership of 25. A suggestion of three members per state rather than five was made; however, it was decided to propose five. Other recommendations are:

- Travel and subsistence for LAP funded out of the respective state legislatures' contingency funds.
- LAP meets annually, immediately following the close of the GSMFC Annual Fall Business Meeting in October.

- The GSMFC legislative member from each state will serve as chairman for their respective state delegations on the LAP.
- Each LAP member will have an equal vote.
- Draft agendas items for the annual LAP meetings will be suggested by the Commissioners.
- Chairman and Vice-chairman will be selected by the LAP membership from among their ranks.
- A mission statement for the LAP should be developed.
- Membership selection mechanisms will be at the discretion of each state.
- There should be an organizational meeting of the LAP in the summer of 1990.

V. Bevill suggested that staff prepare a draft mission statement for the LAP to stimulate attendance and discussion of the LAP at the March 1990 meeting.

V. Bevill suggested that prior to each meeting, the GSMFC mission statement should be read so that all attendees know their general responsibility.

J. R. Nelson led a discussion on the makeup of the Commercial Fisheries Advisory Committee. R. Lukens asked how the current GSMFC Industry Advisory Committee (IAC) was affected by the proposal. J. R. Nelson indicated that the current makeup of the IAC was not the same as that suggested by G. Thornburg at the first AHC meeting. A discussion ensued about the history behind the IAC and the Recreational Fisheries Committee (RFC).

J. R. Nelson suggested that the proposed Commercial Fisheries Advisory Committee (CFAC) should be made up of commercial fishing industry representatives, such as processors, producers, and fishermen. Selection of the CFAC should be made by the legislative and private citizen Commissioners from each state. A recommendation of two members per state was made. The purpose of the proposed CFAC should be to bring important fisheries issues to the GSMFC and ask for actions that will benefit fisheries resources. Nelson suggested that each prospective

member be given a short memo which describes the GSMFC and indicate that the GSMFC wants them to meet and advise them. It was suggested that the Committee hold an organizational meeting as soon after the March meeting as they see fit providing the proposal is approved by the full Commission. A discussion ensued regarding the timing of the CFAC meeting. V. Bevill recommended that part of the organizational meeting be devoted to an orientation session about the GSMFC. It was agreed that any remaining details regarding the makeup and functions of the proposed CFAC be discussed during the March GSMFC Business Meeting.

V. Van Sickle made the recommendation that following the March 1990 meeting, based on the outcome of the reorganization proposals, the GSMFC should produce an informational pamphlet for general distribution. Van Sickle also suggested that during the March 1990 GSMFC Business Meeting T. Gollott make the presentation on the LAP and J. R. Nelson make the presentation on the CFAC.

Saturday, February 3, 1990

A discussion regarding attendance of Commissioners was held. It was determined that, pursuant to Article XI of the Compact, if a Commissioner is absent from two consecutive GSMFC Business Meetings, the Chairman will send notice of that fact and urge that Commissioner's attendance at subsequent meetings. Upon absence from three consecutive meetings, the appropriate appointing body will be notified by the Chairman requesting a replacement for the Commissioner. This provision is also applicable to the designee for the state resource agency head as provided in Article IV, Section 3.

A discussion ensued regarding funding of travel and expenses of the Commissioners and other committee members to GSMFC functions. A letter will be sent from V. Van Sickle asking each state to outline how travel and subsistence for Commissioners and other authorized individuals are handled.

E. Joyce suggested that a form be sent to all Commissioners along with the next meeting notice asking them to list on the form at least three issues of importance to them. Those would be collated to determine priorities for issues.

T. Gollott and V. Bevill discussed the problems related to differential treatment of state oyster programs by FDA. Another major issue is treatment and disposal of shrimp waste. T. Gollott made the suggestion that each state, following the close of its legislative season, send to GSMFC office copies of all marine fishery related legislation passed that year. This package would be sent to all Commissioners.

Voting procedure was discussed. V. Van Sickle pointed out that the current voting procedure is inconsistent with the Rules and Regulations. The Rules and Regulations call for one vote per state with the state delegations caucusing on that vote. Majority rules. In earlier action the GSMFC in Executive Session voted to change that procedure to one vote per Commissioner; however, the Rules and Regulations document was not changed to reflect that procedure. The recommendation by the AHC is to have one vote per Commissioner unless there is any dissention. Upon dissention, each state would cast one vote per state after the state delegations caucus. There would then be a state roll call vote. V. Bevill suggested that a time slot on the agenda be set aside at the end of the first day of the GSMFC Business Meeting to allow for state caucuses on major items. Earlier contentious votes could be tabled until after such a caucus.

A discussion regarding the meeting format and scheduling ensued. E. Joyce addressed the problem of individuals determining which session(s) to attend during the week long meeting time. His suggestion was to separate the technical meetings from the policy meetings in the agenda package. It was further suggested that a complete agenda package be distributed rather than the program which has been used. V. Bevill suggested that the "Executive Session" be renamed the "Commission Business Meeting." Then when the full Commission needs to meet in closed session to discuss personnel matters or other confidential issues it will be call "Executive Session." L. Simpson suggested that a good time to hold an "Executive Session" is during the "Executive Luncheon." V. Van Sickle suggested having the Fishery Management Committee meeting just before the Commission Business Meeting. V. Bevill suggested to also place the Law Enforcement Committee session close to the Business Meeting time.

V. Bevill suggested that it would be useful to hold an orientation session for all Commissioners, and then when a new Commissioner is appointed, the Executive Director and another Commissioner go to the new Commissioner and provide an orientation. Bevill suggested that following the results of the March 1990 meeting, a half day orientation session should be held immediately preceding the October 1990 business session. T. Gollott suggested to have the members of the LAP attend the October 1990 meeting. V. Van Sickle suggested that following the March 1990 meeting a letter be sent to the appropriate appointing body (governor or legislature) asking that they review their current appointees and determine if they are committed to continuous service and reappoint positions as needed. V. Bevill suggested that at the beginning of each Commission Business Meeting the Chairman call on the Executive Director to highlight key provisions in the Rules and Regulations including a mission statement to orient everyone to the meeting. T. Gollott suggested that specific people from industry from each state be invited to each meeting. L. Simpson indicated that each Commissioner could do that on a personal basis. He also pointed out that the meeting information notice is sent to very broad distribution.

V. Van Sickle suggested that the current Industry Advisory Committee be restructured to become the proposed Commercial Fisheries Advisory Committee. R. Lukens provided a discussion of the current makeup and activities of the Recreational Fisheries Committee making a distinction between its function and the function of the Industry Advisory Committee. A short description of how the Wallop-Breaux Administrative Program interacts with the Recreational Fisheries Committee and other groups was also provided. It was agreed to propose to change the Recreational Fisheries Committee to a subcommittee under the Technical Coordinating Committee (TCC) and call it the Recreational Fisheries Management Subcommittee.

L. Simpson gave a description of the makeup and function of the Menhaden Advisory Committee under the Gulf State-Federal Fisheries Management Board. H. Swingle, through memo to the AHC, had suggested that the Menhaden Advisory Committee be made a standing committee of the Commission. Lukens suggested that it may fit as a TCC subcommittee. A discussion ensued regarding the Gulf State-Federal Fisheries Management

Board and H. Swingle's suggestion made through memo to transform the Board into the Fisheries Management Committee. L. Simpson described how the GSMFC, Florida Department of Natural Resources and Florida Marine Fisheries Commission interact. The State of Florida determined to leave FDNR as the GSMFC agency representative; however, for issues of a regulatory nature FDNR has made provisions for the FMFC to sit with the GSMFC. V. Van Sickle suggested that the Board meet only when it has specific items to discuss. They would not have a regular agenda slot, but would meet when necessary at the call of the Board chairman. T. Gollott suggested that the Menhaden Advisory Committee be moved under the Fisheries Management Committee. Staff was directed to develop a newly proposed organizational chart based on all recommendations made by the AHC.

E. Joyce readdressed the issue of separating technical sessions from the Commission Business Meeting. Lukens suggested using the agenda booklet of the IAFWA as a model, such that a general meeting schedule is provided in the front, followed by individual meeting agendas.

The final topic for discussion was staff responsibilities and compensation. L. Simpson discussed the 1986 document which compared GSMFC staff job descriptions with equivalent job descriptions in state and federal government agencies. It was pointed out that the document provides the initial starting point for salary levels of the GSMFC staff. It was also pointed out that resulting from the October 1989 meeting, the AHC would reconsider and make recommendations on the original recommendation that staff be given a cost of living increase and that R. Lukens be promoted to Assistant Director and given a raise. The AHC recommendations would then be presented to the full Commission at the March 1990 Commission Business Meeting. It was decided by the AHC to conduct further discussions about staff compensation and promotions in Executive Session.

Following the closed Executive Session, the meeting adjourned.

R.E. Matheson
COMMITTEE CHAIRMAN

BLACK DRUM TECHNICAL TASK FORCE
Minutes
February 7-8, 1990
Mobile, Alabama

Richard L. Leard, Interjurisdictional Fisheries (IJF) Program Coordinator, called the meeting to order at 10:00 a.m. The following were in attendance:

Members

Ed Matheson, FMRI, St. Petersburg
Mark Van Hoose, AMRD, Dauphin Island, AL
Scott Gordon, MDWFP, Biloxi, MS (2-8-90)
Clarence Luquet, LDWF, New Orleans, LA
Steve Marwitz, TPWD, Rockport, TX
Jim Robertson, TPWD, Austin, TX
Doug Horn, Clark Seafood, Pascagoula, MS

Staff

Larry B. Simpson, Executive Director
Ronald R. Lukens, Special Assistant
Cindy Dickens, IJF Staff Assistant

Adoption of Agenda

The agenda was adopted as presented.

Introductions

The group introduced themselves and affiliations were explained. The task force is composed of a core group consisting of representatives of the five state agencies, and a representative from the Law Enforcement (LEC), Industry Advisory (IAC) and Recreational Fisheries (RFC) committees. Jim Robertson is representing the LEC, Doug Horn the IAC, and Ron Lukens is acting as a liaison for the RFC. The staff emphasized it will work with the task force members, support their efforts and facilitate the development of the FMP.

Opening Comments

Larry Simpson presented a brief history of the commission, the IJF Act and subsequent GSMFC program. He reviewed the act and noted the purposes of the program are (1) to promote and encourage state activities in support of the management of interjurisdictional fishery resources and (2) to promote and encourage management of interjurisdictional fishery resources throughout their range. He further noted the definition of an interjurisdictional fishery as a

fishery resource for which a fishery occurs in waters under the jurisdiction of one or more states and the exclusive economic zone.

L. Simpson explained the task force is designated with one charge, to develop the technical portion of the FMP for black drum. He stated the development consists of three portions: (1) the beginning - basically only a framework exists, (2) the working process - communication and coordination of the development and (3) the end product. The end product will culminate to a document that will have the best available information on the black drum fishery on a gulf-wide basis under one cover. The FMP will be used as a tool by state agencies to modify, educate and provide a floor for the fishery to build on.

L. Simpson closed his remarks by thanking the task force for their time and expertise, and emphasized the staff is there to assist the task force.

Election of Chairman

A brief discussion ensued on the duties of a chairman. R. Leard noted the chair often acts as the focal point and driving force of the task force. Ed Matheson was nominated by S. Marwitz. The nomination was seconded by D. Horn. Ed Matheson was elected by concordance.

Review of FMP Development and Approval Process

Rick Leard reviewed the handouts entitled "Background on FMP Development and Approval Process" and "FMP Development and Approval Process." He pointed out the basic structure and scope of an IJF FMP and noted the FMPs were to be guided by national standards in Title III, Section 301 of Public Law 94-265 (The Magnuson Fishery Conservation and Management Act). The task force reviewed the composition and function of a task force, the composition and function of the Fisheries Management Committee, how the black drum fishery was chosen as the next FMP and how the FMP is reviewed and approved.

Review of the FMP Outline and Work Assignments

R. Leard pointed out the outline included in the FMP notebooks furnished to each task force member. The task force reviewed the proposed outline and the table of contents from several other FMPs. The task force then made several

modifications to the outline. The task force felt that sections on economy, sociology and population dynamics (MSY, etc.) would require the help of experts in those fields. Each state member agreed to inquire for experts within their state and turn in nominations within 10 days to Ed Matheson for final selection. Work assignments were discussed, agreed upon and are noted in attachment 1.

FMP Timetable

A general discussion ensued as to how long the members would need to complete assigned work. The following timetable as agreed upon by the task force:

| | |
|----------------|--|
| April 12, 1990 | Section drafts to GSMFC |
| April 30, 1990 | Compiled drafts to TTF |
| May 9-10, 1990 | Meeting to review & discuss |
| October 1990 | Target date for complete technical FMP |

Other Business

The task force discussed sources of information from their respective states. It was agreed that as the members needed information from another state, the state representative would act as a contact person for that information; however, state representatives may list names, addresses and phone numbers for their contacts and send to the GSMFC office for distribution to the task force. Several documents were noted such as the species profile by Fred Sutter, the red drum secretarial plan, the Louisiana FMP on black drum, the blue crab FMP, and a Louisiana technical document co-authored by Clarence Luquet. A list of information available from the GSMFC office will be compiled and sent to the task force so they may request items they don't already have. The task force was encouraged to use the GSMFC office as a clearinghouse for information requests, copying, etc. C. Dickens noted an updated membership list including telephone and fax numbers will be distributed.

There being no further business, the meeting was adjourned Thursday, February 8, 1990, at 10:10 a.m.

DRAFT
TABLE OF CONTENTS

| | | <u>Assigned To:</u> |
|---------|---|------------------------------|
| | Title Page | GSMFC Staff |
| | Black Drum Technical Task Force | |
| | Acknowledgements | |
| | Preface | |
| | Table of Contents | |
| | List of Tables | |
| | List of Figures | |
| 1.0 | Summary | GSMFC Staff |
| 2.0 | Introduction | GSMFC Staff |
| 2.1 | Plan Development Process | |
| 2.2 | Management Objectives | |
| 3.0 | Description of Stock(s) Comprising the Management Unit | Matheson & Gordon |
| 3.1 | Biological Description and Geographic Distribution | |
| 3.1.1 | Classification and Morphology | |
| 3.1.2 | Biological Description | |
| 3.1.2.1 | Reproduction | |
| 3.1.2.2 | Age and Growth Parameters | |
| 3.1.2.3 | Parasites and Diseases | |
| 3.1.2.4 | Mortality | |
| 3.1.2.5 | Length/Weight Relationships | |
| 3.1.2.6 | Predator/Prey Relationships | |
| 3.1.3 | Geographic Distribution | |
| 3.1.3.1 | Range | |
| 3.1.3.2 | Larval Distribution | |
| 3.1.3.3 | Juvenile and Subadult Distribution | |
| 3.1.3.4 | Adult Distribution | |
| 3.1.4 | Migration and Recruitment | |
| 3.1.4.1 | Migration | |
| 3.1.4.2 | Larval Recruitment | |
| 3.1.5 | Abundance and Present Condition | |
| 3.1.5.1 | Juvenile | |
| 3.1.5.2 | Adults | |
| 4.0 | Description of the Habitat of the Stock(s) Comprising the Management Unit | Matheson & Gordon |
| 4.1 | Description and Condition of Critical Habitat | |
| 4.2 | Habitat Areas of Particular Concern | |
| 4.3 | Habitat Protection Programs | |
| 4.3.1 | Federal | |
| 4.3.2 | State (including CZM) | |

DRAFT

- 5.0 Fishery Management Jurisdictions, Laws and Policies Affecting the Stock(s)** **Van Hoose**
- 5.1 Management Institutions**
- 5.1.1 Federal**
- 5.1.1.1 Regional Fishery Management Councils
 - 5.1.1.2 Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service
 - 5.1.1.3 Department of Commerce, National Oceanic and Atmospheric Administration, Office of Ocean Resource Management
 - 5.1.1.4 Department of the Interior, National Park Service
 - 5.1.1.5 Department of the Interior, Fish and Wildlife Service
 - 5.1.1.6 Environmental Protection Agency
 - 5.1.1.7 Department of the Army, Corps of Engineers
 - 5.1.1.8 Coast Guard
- 5.1.2 State**
- 5.1.2.1 Florida Marine Fisheries Commission
 - 5.1.2.2 Alabama Department of Conservation and Natural Resources
 - 5.1.2.3 Mississippi Department of Wildlife, Fisheries and Parks
 - 5.1.2.4 Louisiana Department of Wildlife and Fisheries
 - 5.1.2.5 Texas Parks and Wildlife Department
- 5.1.3 Other Management Institutions**
- 5.1.3.1 Gulf State-Federal Fisheries Management Board
- 5.2 Treaties and Other International Agreements**
- 5.3 Federal Laws, Regulations and Policies**
- 5.3.1 Magnuson Fishery Conservation and Management Act of 1976
 - 5.3.2 Marine Protection, Research and Sanctuaries Act of 1977
 - 5.3.3 Clean Water Act
 - 5.3.4 Oil Pollution Act of 1961
 - 5.3.5 Coastal Zone Management Act of 1972
 - 5.3.6 Endangered Species Act of 1973
 - 5.3.7 National Environmental Policy Act
 - 5.3.8 Fish and Wildlife Coordination Act
 - 5.3.9 Fish Restoration and Management Projects Act
 - 5.3.10 National Park Service
 - 5.3.11 Lacey Act Amendment of 1981
 - 5.3.12 Comprehensive Environmental Response, Compensation and Liability Act
 - 5.3.13 United States Marine Plastic Research and Control Act of 1987 and MARPOL Annex V

DRAFT

- 5.4 State Laws, Regulations and Policies
 - 5.4.1 Florida
 - 5.4.1.1 Administrative Organization
 - 5.4.1.2 Legislative Authorization
 - 5.4.1.3 Reciprocal Agreement and Limited Entry Provisions
 - 5.4.1.3.1 Reciprocal Agreement Provisions
 - 5.4.1.3.1.1 Licenses
 - 5.4.1.3.1.2 Management
 - 5.4.1.3.2 Limited Entry
 - 5.4.1.4 Commercial Landings Data Reporting Requirements
 - 5.4.1.5 Penalties for Violations
 - 5.4.1.6 License Fees
 - 5.4.1.7 Laws and Regulations
 - 5.4.1.7.1 Size
 - 5.4.1.7.2 Fishing Methods and Gear Restrictions
 - 5.4.1.7.3 Florida Recreational Saltwater Fishing License of 1989
 - 5.4.2 Alabama
 - 5.4.2.1 Administrative Organization
 - 5.4.2.2 Legislative Authorization
 - 5.4.2.3 Reciprocal Agreement and Limited Entry Provisions
 - 5.4.2.3.1 Reciprocal Agreement Provisions
 - 5.4.2.3.1.1 Licenses
 - 5.4.2.3.1.2 Management
 - 5.4.2.3.2 Limited Entry
 - 5.4.2.4 Commercial Landings Data Reporting Requirements
 - 5.4.2.5 Penalties for Violations
 - 5.4.2.6 License Fees
 - 5.4.2.7 Laws and Regulations
 - 5.4.2.7.1 Size
 - 5.4.2.7.2 Fishing Methods and Gear Restrictions
 - 5.4.3 Mississippi
 - 5.4.3.1 Administrative Organization
 - 5.4.3.2 Legislative Authorization
 - 5.4.3.3 Reciprocal Agreement and Limited Entry Provisions
 - 5.4.3.3.1 Reciprocal Agreement Provisions
 - 5.4.3.3.1.1 Licenses
 - 5.4.3.3.1.2 Management
 - 5.4.3.3.2 Limited Entry
 - 5.4.3.4 Commercial Landings Data Reporting Requirements
 - 5.4.3.5 Penalties for Violations
 - 5.4.3.6 License Fees

DRAFT

- 5.4.3.7 Laws and Regulations
 - 5.4.3.7.1 Size
 - 5.4.3.7.2 Fishing Methods, Area and Gear Restrictions
- 5.4.4 Louisiana
 - 5.4.4.1 Administrative Organization
 - 5.4.4.2 Legislative Authorization
 - 5.4.4.3 Reciprocal Agreement and Limited Entry Provisions
 - 5.4.4.3.1 Reciprocal Agreement Provisions
 - 5.4.4.3.1.1 Licenses
 - 5.4.4.3.1.2 Management
 - 5.4.4.3.2 Limited Entry
 - 5.4.4.4 Commercial Landings Data Reporting Requirements
 - 5.4.4.5 Penalties for Violations
 - 5.4.4.6 License Fees
 - 5.4.4.6.1 Recreational
 - 5.4.4.6.2 Commercial
 - 5.4.4.7 Laws and Regulations
 - 5.4.4.7.1 Size
 - 5.4.4.7.2 Fishing Methods and Gear Restrictions
- 5.4.5 Texas
 - 5.4.5.1 Administrative Organization
 - 5.4.5.2 Legislative Authorization
 - 5.4.5.3 Reciprocal Agreement and Limited Entry Provisions
 - 5.4.5.3.1 Reciprocal Agreement Provisions
 - 5.4.5.3.1.1 Licenses
 - 5.4.5.3.1.2 Management
 - 5.4.5.3.2 Limited Entry
 - 5.4.5.4 Commercial Landings Data Reporting Requirements
 - 5.4.5.5 Penalties for Violations
 - 5.4.5.6 License Fees
 - 5.4.5.7 Laws and Regulations
 - 5.4.5.7.1 Size
 - 5.4.5.7.2 Fishing Methods and Gear Restrictions
- 6.0 Description of Fishing Activities Affecting the Stock(s) in the U.S. Gulf of Mexico
 - 6.1 Commercial Black Drum Fishery
 - 6.1.1 History of Exploitation
 - 6.1.2 Vessels and Gear
 - 6.1.3 Fishing and Landing Areas
 - 6.1.4 Landings/Catch Data by State
 - 6.2 Recreational/Subsistence Black Drum Fishery
 - 6.2.1 History of Exploitation

~~Marwitz~~

Rick

DRAFT

- 6.2.2 Vessels and Gear
- 6.2.3 Landings/Catch Data by State
- 6.3 Incidental Catch
- 6.4 Conflicts Among Domestic Fishermen
- 6.5 Foreign Activity

- 7.0 Description of Processing, Marketing and Organizations Associated with the Fishery **Luquet**
 - 7.1 Processing Methods and Products
 - 7.2 Markets and Product Distribution
 - 7.3 Organizations

- 8.0 Description of the Economic Characteristics of the Fishery **Economist**
 - 8.1 Domestic Harvesting Sector
 - 8.2 Domestic Processing Sector
 - 8.3 Distribution of Income
 - 8.4 Economic Interdependencies
 - 8.5 International Trade
 - 8.6 Market Competition

- 9.0 Social and Cultural Framework of Domestic Fishermen and Their Communities **Sociologist**
 - 9.1 Ethnic Characteristics
 - 9.2 Age and Education Profiles of Fishermen and Processing Labor Force
 - 9.3 Employment Opportunities
 - 9.4 Distribution of Income
 - 9.5 Characteristics of Recreational Fishermen

- 10.0 Management Considerations **Other**
 - 10.1 Definition of the Fishery
 - 10.2 Management Unit
 - 10.3 Problems in the Fishery
 - 10.3.1 Increased Harvest of Spawning Stock
 - 10.3.2 Increased Harvest of Juveniles in Nearshore Waters
 - 10.3.3 Limited Database for Management
 - 10.3.4 Habitat Reduction and Degradation
 - 10.3.5 Inconsistent Interstate Management
 - 10.4 Determination of Maximum Sustainable Yield (MSY)
 - 10.4.1 Methods to Estimate MSY
 - 10.4.2 Computational Methods
 - 10.4.3 MSY Estimates
 - 10.5 Assessment of Optimum Yield (OY)
 - 10.5.1 Optimum Yield
 - 10.5.2 Acceptable Biological Catch (ABC)
 - 10.5.3 Total Allowable Catch (TAC)
 - 10.5.4 Domestic Annual Harvest Capacity (DAHC)
 - 10.5.5 Domestic Annual Processing Capacity (DAPC)

DRAFT

**10.5.6 Total Allowable Level of Foreign
Fishing (TALFF)**

| | |
|---|--------------------|
| 11.0 Management Measures | GSMFC Staff |
| 12.0 Management Recommendations | All |
| 13.0 Regional Research Priorities and Data Requirements | All |
| 14.0 Review and Monitoring of the Plan | GSMFC Staff |
| 15.0 References (Bibliography) | GSMFC Staff |
| 16.0 Appendix | GSMFC Staff |

APPROVED BY:

R. Vernon Minton
COMMITTEE CHAIRMAN

TCC ANADROMOUS FISH SUBCOMMITTEE

MINUTES

Monday, March 12, 1990
Orange Beach, Alabama

TCC ANADROMOUS FISH SUBCOMMITTEE
MINUTES
Monday, March 12, 1990
Orange Beach, Alabama

Chairman Vernon Minton called the meeting to order at 1:00 p.m.
The following were in attendance:

Members

Richard L. Applegate, FWS, San Marcos, TX
Jim Barkuloo, FWS, Panama City, FL
I. B. "Buck" Byrd, NMFS, St. Petersburg, FL
Alan Huff, FDNR, St. Petersburg, FL
Charles Mesing, FGFFC, Tallahassee, FL
Vernon Minton, ADCNR, Gulf Shores, AL
Larry C. Nicholson, GCRL, Ocean Springs, MS
Terry D. Stelly, TPWD, Rockport, TX
Gary Tilyou, LDWF, Baton Rouge, LA

Staff

Ron Lukens, Program Coordinator
Nancy Marcellus, Staff Assistant

Others

John T. Brown, FWS, Atlanta, GA
John Forester, FWS, Notchitoches, LA
Dean Parsons, NMFS, Washington, DC
Madison Powell, ADCNR, Gulf Shores, AL
Lou Villanova, FWS, Atlanta, GA

Adoption of Agenda

The agenda was approved with the request to move John Forester's presentation up on the agenda.

Adoption of Minutes

The minutes from the October 16, 1989 meeting were adopted as presented.

Report on Mississippi River Activities

John Forester from FWS in Louisiana gave a report on a multidisciplinary meeting held in Baton Rouge, Louisiana on February 23, 1990, which was also attended by R. Lukens. The general purpose of that meeting was to discuss the ramifications of striped bass in the lower Mississippi River. A significant recreational fishery has recently

developed there, and natural reproduction is suspected since stocking is not taking place in the area. It was agreed that the Mississippi River represents an often overlooked, frequently abused, and much neglected fishery resource. Due to the magnitude and complexity of the system, a cooperative initiative would be the only way to address it effectively. A multi-agency subcommittee working through the Anadromous Fish Subcommittee of the GSMFC with its existing infrastructure and context appears to be a reasonable way to proceed.

Lukens relayed to that group that the Commission has congressional approval to handle cooperative efforts within the Gulf States. Any water body that meets with the states bordering the Gulf of Mexico qualifies as an area in which the Commission can become involved. He explained that the Commission with its already existing infrastructure could handle the type of initiative that it would take to look at the Mississippi River.

Program Coordinator's Report

Gulf of Mexico Striped Bass Study - R. Lukens introduced a proposal to the Subcommittee to initiate a major, multidisciplinary study to determine what environmental and human factors caused the initial decline of striped bass and why past efforts to restore the species have not been as successful as hoped. The proposal is a follow-up to a meeting with Dale Hall and John Brown, both of the FWS, during which the idea was discussed. The proposed study would seek funds from the Emergency Striped Bass Act, which is currently funding similar studies in the Chesapeake Bay and Albermarle Sound areas on the Atlantic coast.

* Following John Forester's presentation, Luken's idea was to focus on the Mississippi River initially, and to expand the study to other appropriate areas as results become available. At the present time Lukens was presenting the proposal for conceptual approval only. Details of the actual study would need to be developed later. A. Huff made a motion to endorse the Gulf of Mexico Striped Bass Study in concept and to carry it forward to the TCC. The motion was seconded and passed unanimously.

"Thermal Refuge" Update - Lukens reported that the final report on the "Thermal Refuge" project was in first draft form and would be completed by the end of May.

Technical Amendment to the Striped Bass FMP - Lukens opened the discussion with some major issues that he has proposed for inclusion in Amendment I of the Striped Bass FMP which the Subcommittee has committed to completing in 1991. Following that discussion, Lukens informed the Subcommittee that a recent NOAA General Counsel ruling determined that the GSMFC Striped Bass FMP did not meet NOAA criteria for an interstate FMP. As a result of that decision, proposals for PL 89-304 funding for two projects, Mississippi and Louisiana, were denied due to their requests for 90-10 funding under the FMP. B. Byrd indicated that it was not a problem with the states or the FMP, but rather was a misunderstanding on the part of NOAA General Counsel on how striped bass are actually being managed. In an effort to satisfy Counsel's concerns and facilitate the states in getting the 90-10 funding, Lukens provided a draft of a Technical Amendment for transmittal to NOAA General Counsel. After much discussion and some revision, a final Technical Amendment was formulated and approved to send forward to the TCC (Technical Amendment attached to these minutes).

Sturgeon FMP - An upcoming activity of the Subcommittee is development of a fishery management plan for sturgeon. Chairman Minton appointed Lukens, Barkuloo, and Huff to work together to develop the basic FMP. Upon completion of a basic document it will be brought to the full Subcommittee for their input.

Striped Bass Sampling Guidelines - A part of the contractual requirements of the GSMFC Wallop-Breaux program is development of a Striped Bass Sampling Guidelines document. Lukens reported that he is using the sampling profiles document developed by the Subcommittee and pulling out similarities such as gear types, times of day, goals and objectives, etc., to put in outline form. The intent is to produce a guideline document for sampling of eggs, larvae, juveniles, and adults of striped bass. It will provide the basic tool to get a program started or to revise a program to make it more effective. It can also be used as a coordinating tool for the state and federal activities going on in the Gulf. December 1990 is the scheduled completion date for submission to FWS.

Morone Workshop Report

J. Barkuloo provided a report on the annual Morone workshop. It involves the States of Georgia, Florida, and Alabama and the U.S. Fish and Wildlife Service who have entered into a formal agreement to cooperate on restoration of striped bass in the Apalachicola-Chipola-Flint River system, including Lake Seminole. Items discussed at the workshop included the tremendous vegetation problem in Lake Seminole affecting growth of striped bass; radio tagged fish; problems Georgia is experiencing in the Flint River with divers observing fewer striped bass due to fishing pressure; and FWS stocking of Phase II striped bass and rewards for return. Recommendations for 1990 include a moratorium on the stocking of hybrids for the second year and the continuation of DNA analysis of striped bass broodfish with the addition of fingerprinting. Stocking requests were also reviewed.

Due to recent discussion and the need for coordinated efforts, the Subcommittee agreed to make time during the October meetings to discuss stocking priorities and particular problems in the states. Stocking requests would then be organized into a single report and presented as a unit rather than as individual requests.

Radiotag Development

J. Barkuloo reported that a proposal has been developed to be sent to GSMFC and NMFS for funding consideration. The proposal is for development of an acoustical radio tag which can switch from radio in fresh water to acoustic in salt water. The Subcommittee is on record as endorsing the need for such a tag. Lukens clarified that the GSMFC could not provide funding for this project, but act as a middle person to pursue funding. It could be submitted as an activity of our Commission with the technical portion being subcontracted.

Nuclear DNA Project Update

Before discussing the DNA project C. Mesing gave a brief summary of work done by the Florida Game and Freshwater Fish Commission this year on striped bass and hybrid evaluation in the Apalachicola. Basically they are looking at returns to the fishery in two to three years. They have a creel survey that runs in the spring, and based on year classes

that were stocked in '86, '87 and '88, the 1989 creel shows about a 10 to 1 ratio of hybrids to striped bass. Emphasis in the next couple of years will be to determine if striped bass are dying due to lack of habitat or fishing pressure. Mesing also expressed the need for a study to look at the egg density differences between Gulf and Atlantic striped bass. Results from this type of study could be an important tool for fishery managers.

Mesing provided an update on a project to develop a nuclear DNA "fingerprinting" technique which will provide a genetic identification tool to fishery managers to possibly determine the origin of striped bass in their waters. Phase II, being funded by Alabama, Florida, and Georgia, is to develop a striped bass probe. Preliminary results are expected by January 1991. Phase III will evaluate preserved specimens along the Gulf coast to compare with the present population. Funding for Phase III is being requested from FWS using reverted Wallop-Breaux funds.

Striped Bass Landings Information

T. Stelly discussed the difficulty in acquiring landings data for striped bass. Texas conducts a 12 month creel program and is expanding the program this year to look at wade bank areas as well as lighted piers and jetties. Texas is also preparing a proposal to study the feasibility of using alternate sources of information on landings apart from formal creel surveys.

Other Business

* Motion was made, seconded, and approved to commend Lou Villanova upon his retirement for long years of service and benefit to Gulf of Mexico fisheries management.

There being no further business, the meeting adjourned at 5:03 p.m.

Technical Amendment

to

Gulf States Marine Fisheries Commission

STRIPED BASS FISHERY MANAGEMENT PLAN

March 15 and 16, 1990

1.0 Introduction

The Gulf States Marine Fisheries Commission (GSMFC) was established by the Gulf States Marine Fisheries Compact under Public Law 81-66 approved May 19, 1949. Its charge was to promote the better management and utilization of marine resources in the Gulf of Mexico.

The Commission is composed of three members from each of the five Gulf States. The head of the marine resource agency of each state is an ex-officio member. The second is a member of the legislature. The third is a citizen with knowledge of an interest in marine fisheries, and he/she is appointed by the governor. The offices of the chairman and vice-chairman are rotated annually from state to state.

The Commission is empowered to recommend to the governor and legislature of the respective states action on programs helpful to the management of the fishery. However, the states do not relinquish any of their rights or responsibilities in regulating their own fisheries by being members of the Commission.

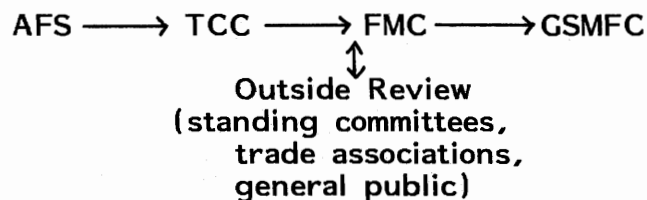
One of the most important functions of the GSMFC is to serve as a forum for the discussion of various problems and needs of marine management authorities, the commercial and recreational industries, researchers and others. The GSMFC also plays a key role in the implementation of interstate fisheries management plans (FMP).

The interstate FMPs are established to: (1) promote and encourage state activities in support of the management of interjurisdictional fishery resources and (2) promote and encourage management of interjurisdictional fishery resources throughout their range. Congress also authorized federal funding to support state research and management projects which are consistent with these purposes.

The GSMFC has initiated the development of a FMP planning and approval process for striped bass. The Commission decided to pattern its plans basically after those of the Gulf of Mexico Fishery Management Council under the Magnuson Fisheries Management Act of 1976. This decision ensured compatibility in format and approach to management among states, federal agencies and the Council.

The Commission also established that the Striped Bass FMP would be developed by its TCC Anadromous Fish Subcommittee (AFS), a panel of experts from each state and appointed by the respective states' Commission representative of the regulatory agency along with representation from the U.S. Fish and Wildlife Service and the National Marine Fisheries Service.

Once developed, the Commission established a review and approval process as follows:



AFS = Anadromous Fish Subcommittee
TCC = Technical Coordinating Committee
FMC = Fisheries Management Committee
GSMFC = Gulf States Marine Fisheries Commission

Once approved by the GSMFC, plans are recommended to the individual states for adoption and implementation. Any updates or amendments to the Striped Bass FMP would be accomplished through the same mechanism.

2.0 Management Unit

The management unit for management under this FMP is striped bass (Morone saxatilis Walbaum).

3.0 Management Area

The management area is the state jurisdictional waters of the Gulf of Mexico region, including the states of Texas, Louisiana, Mississippi, Alabama, and Florida. This provision does not include ponds, lakes, and impoundments. For the states of Texas, Louisiana, and Florida, regulations apply to all waters of those respective states' jurisdiction. Some distinctions exist in the states of Mississippi and Alabama with regards to regulations in fresh and salt water.

4.0 Recommended Regulations

4.1 Sale and/or Purchase

The sale and/or purchase of striped bass is prohibited.

4.2 Bag Limits

There is a bag limit of six fish per person per day for striped bass. In the states of Alabama and Florida, a complex Morone fishery (including striped bass, hybrid striped bass, white bass, and yellow bass) makes field separation of those species under 15 inches TL impractical. Therefore a bag limit on Morone species in such a situation shall not exceed 30 fish per person per day with a limit of six fish 15 inches TL or greater.

5.0 Stocking Activities

To support basin-wide restoration needs, the states of the Gulf of Mexico region should participate in stocking striped bass fingerling and juveniles in appropriate areas on an annual basis. Each state should identify specific areas for stocking based on the appropriate environmental parameters for survival of stocked fish and the potential for spawning and reproductive activities.

6.0 Assessment and Monitoring Activities

To provide critical information on habitat conditions, survival, growth, and success of stocking activities relative to the restoration of striped bass, assessment activities should be conducted by each state. Such activities should provide information on all life stages of striped bass and associated habitats.

7.0 Regulatory Standards

- 7.1 Address biological, legal, economic, and social problems while recognizing constraints imposed by data gaps.**
- 7.2 Prevent overfishing while achieving, on a continuing basis, the optimum yield for each fishery.**
- 7.3 Are based on the best scientific information available.**
- 7.4 To the extent practicable, provide for the management of an individual stock of fish as a unit throughout its range, and the management of interrelated stocks as a unit or in close coordination.**
- 7.5 Do not discriminate between residents of different states. Fishing privileges allocated among various United States fishermen must be:
 - a) fair and equitable to all such fishermen;**
 - b) reasonably calculated to promote conservation; and**
 - c) carried out in such manner that no particular individual, corporation, or other entity acquires an excessive share of such privileges.****
- 7.6 Take into account and allow for variations among and contingencies in fisheries, fishery resources, and catches.**
- 7.7 Where practicable, minimize costs and avoid unnecessary duplication.**

APPROVED BY:


COMMITTEE CHAIRMAN

TCC SEAMAP SUBCOMMITTEE

MINUTES

Monday, March 12, 1990
Orange Beach, Alabama

TCC SEAMAP SUBCOMMITTEE
MINUTES
Monday, March 12, 1990
Orange Beach, AL

Chairman Walter Tatum called the meeting to order at 1:10 p.m. The following members and others were present:

Members

Joe J. Kimmel (proxy for A. Huff), FDNR, St. Petersburg, FL
Terry J. Cody (proxy for G. Matlock), TPWD, Rockport, TX
Scott Nichols, NMFS, Pascagoula, MS
Barney Barrett, LDWF, Baton Rouge, LA
Dick Waller, GCRL, Ocean Springs, MS
Walter M. Tatum, ADCNR, Gulf Shores, AL

Staff

Larry B. Simpson, Executive Director
V.K. Herring, Executive Assistant
Eileen Benton, Administrative Assistant

Others

Jim Hanifen, LDWF, Baton Rouge, LA
Henry Lazauski, ADCNR, Gulf Shores, AL
Ron Schmied, NMFS, St. Petersburg, FL
Walter Nelson, NMFS, Pascagoula, MS
Joanne Shultz, GCRL, Ocean Springs, MS
Don Hoss, NMFS, Beaufort, NC
Perry Thompson, NMFS, Pascagoula, MS
Ken Savastano, NMFS, Stennis Space Center, MS
Eugene Nakamura, NMFS, Panama City, FL

Members Absent

Wayne Swingle, GMFMC, Tampa, FL

Adoption of Agenda

The agenda was approved as written.

Adoption of Minutes

The minutes of the meeting held January 29-30, 1990 in New Orleans, LA were approved as written.

Administrative Report/Status of Cooperative Agreements

L. Simpson reported that GSMFC has not yet received the administrative cooperative agreement for SEAMAP, however he was notified that the contract has cleared FARB and will be sent out shortly. He noted that the contract will have a February 1, 1990 start-up date,

however, pre-award costs will be negotiated to obtain funds expended in January.

A discussion was held concerning reducing the size of future atlases. P. Thompson noted that the 1985 and 1986 Atlases took approximately 1 3/4 years each to produce. The proposed changes discussed at the January meeting were that future atlases would include the introduction narrative, species listing and environmental listing for each survey, and station plots. The individual catch tables and species plots would not be included.

The Subcommittee discussed the time frame of producing atlases and the current backlog that exists. It was suggested that the Data Coordinating Work Group meet to address ways of streamlining production of future atlases.

* D. Waller moved to continue producing the atlas in its present format pending a conference call of the Data Coordinating Work Group to examine aspects of the atlas (costs, reducing time of production, pros/cons of producing condensed atlases). Motion was seconded and passed with Texas abstaining.

Coordinator Position

The Subcommittee reviewed applications for the SEAMAP Coordinator position. Mr. David Donaldson and Mr. Michael Dodson were chosen as the top two candidates and will be interviewed by L. Simpson and W. Tatum. The Subcommittee will be notified as to the results of the interviews.

Adult Finfish Work Group Report

S. Lazauski reported that the work group is finalizing work on development of a matrix (database) on all the research that has been done on adult finfish by the States and NMFS in the Gulf of Mexico by family species. As soon as the database is completed, it will be distributed to the Adult Finfish Work Group to test.

The Subcommittee also suggested that the work group hold a meeting in September to review results of the preliminary reef fish cruises and make recommendations to the Subcommittee in regard to design, capability and costs. It was also suggested that a presentation of the newly-developed matrix be conducted at the October meeting.

Data Coordinating Work Group Report

Work group leader K. Savastano distributed and reviewed the SEAMAP Data Management Report (attached). Items noted included:

- entering and editing of 1988-89 data continues.
- specifications are currently being prepared to procure an IBM PS/2 for Louisiana.
- work on the 1986 Atlas has been completed and work has started on the request for computer processing of the 1987 Atlas.
- 87 of 90 SEAMAP requests have been processed and work is being performed on the remaining requests.

K. Savastano also presented a revised cruise log which added shrimp length/frequency, general length/frequency, and environmental information.

Plankton Work Group Report

J. Shultz introduced D. Hoss, NMFS-Beaufort Laboratory, to give an report on the Polish Sorting Center.

D. Hoss reported that the Plankton Sorting Identification Center (PSC) was established in 1974 to meet the needs of fishery research programs in obtaining relevant information on early life history stages of fish. His association with the PSC is the Southeast Fisheries Center member of the Advisory Committee. This committee presently consists of U.S. representatives from the Northeast Fisheries Center, the Northwest Fisheries Center, and the Southeast Fisheries Center. The Polish are represented by the Director of the Laboratory in Gdynia, the Administrative Officer from Gdynia, and the Director of the Sorting Center in Szczecin. This committee meets once per year to set the sampling sorting priorities. The total budget for the PSC for the contract period 1988-89 was approximately \$186,000 (salaries, benefits, etc. \$150,000, domestic travel \$1,000, international travel \$5,000, and materials and supplies \$30,000). The funding for 1989-90 was \$150,000. Although there have been a lot of problems, he noted that we are receiving good value and quality for the money. In 1986-87, 608 samples were processed (\$68 per sample), in 1987-88, 1,522 samples (\$36.00), and in 1988-89, 441 samples (\$102.00). The overall three year cost averages approximately \$67.00 per sample.

D. Hoss concluded that he feels that the PSC is doing a very good job at a cost lower than can be obtained from other sources. He also noted that if additional sorting centers open in Poland they should be evaluated. The next meeting of the advisory committee is scheduled for June 1990.

Final Review and Approval of Five-Year Management Plan

E. Benton noted that the changes discussed at the January meeting were incorporated into the latest draft of the Five-Year Plan. Due to information still unavailable for the Plan, approval was deferred until the Joint SEAMAP meeting scheduled for July.

Site of July 1990 Joint Meeting

The July meeting was scheduled for July 23-25, 1990 in Charleston, South Carolina.

There being no further business, the meeting adjourned at 5:00 p.m.

APPROVED BY:

V. J. Sullivan
COMMITTEE CHAIRMAN

**GULF STATES MARINE
FISHERIES COMMISSION**

JUN 1 1991

MENHADEN ADVISORY COMMITTEE

MINUTES

**Monday, March 12, 1990
Orange Beach, Alabama**

MENHADEN ADVISORY COMMITTEE (MAC)
MINUTES
Monday, March 12, 1990
Orange Beach, Alabama

Vince Guillory, Chairman, declared a quorum and called the meeting to order at 1:05 p.m. with the following in attendance:

Members

John Merriner, NOAA, NMFS, Beaufort, NC
W. Borden Wallace, Wallace Menhaden Products, Mandeville, LA
John C. Barnes, III, AMPRO Fisheries, Burgess, VA
George A. Brumfield, Zapata Haynie Corporation, Moss Point, MS
Ed Swindell, Zapata Haynie Corporation, Hammond, LA (proxy for W. LaPointe)
Skip Lazauski, ADMR, Gulf Shores, AL (proxy for H. Swingle)
Vince Guillory, LDWF, Bourg, LA
Lee Green, TPWD, Rockport, TX

Members Absent

Jack Simpson, ABC Bait Company, Amelia, LA
Charles Futch, FDNR, Tallahassee, FL
J.Y. Christmas, Ocean Springs, MS

Staff

Larry B. Simpson, Executive Director
Richard L. Leard, IJF Program Coordinator

Others

Joanne L. Shultz, GCRL, Ocean Springs, MS
Richard Permenter, Staff-Senator John Breau (LA), Washington, DC
Dalton Berry, Zapata Haynie Corporation, Hammond, LA
Corky Perret, LDWF, New Orleans, LA
Eldon J. Levi, NOAA, NMFS, Beaufort, NC
Barnie White, Zapata Haynie Corporation, Houston, TX

Adoption of Agenda

The agenda was adopted with the addition of a report by B. White on exposed pipelines and public information publications.

Adoption of Minutes

The minutes of the meeting held October 16, 1989, in Biloxi, Mississippi, were adopted as presented.

SEAMAP Larval Menhaden Samples

J. Shultz explained SEAMAP, its history and its participants. She explained plankton sampling, sorting and identification and noted that plankton samples were taken at most trawl stations in addition to the regular plankton stations. She described the initial goal of SEAMAP to provide gulf-wide coverage monthly or seasonally (1982). She noted, however, that by 1983 gulf-wide coverage was being lost with more sampling focused in the north central gulf.

J. Shultz explained that the Louisiana sampling (started in 1984) gave the best representation of menhaden larvae and their abundance in the December sampling. Also, samples are not taken in the period January-February which may be a peak period for menhaden larvae. She stated that menhaden larvae were first described in 1984 and that the predominant species is Brevoortia patronus.

Status of 1989 Fishing Season/NMFS 1990 Forecast

J. Merriner passed out a report entitled "Review of the 1989 Gulf and Atlantic Menhaden Purse-Seine Fisheries and Outlook for 1990." He noted that at the close of the season (February 26, 1990), gulf landings amounted to 1,874,374,000 standard fish weighing 569,622 metric tons (MT). These landings were 32% below the previous 5 year average but approximately equalled average landings in the 1970s. He further explained that poor landings occurred in the May-July and September-October periods while August landings were good. He attributed the poor harvest to unfavorable weather and fishing conditions and also noted that a new processing plant had opened in Morgan City, Louisiana. J. Merriner also reported that NMFS was predicting that the 1990 harvest would

be approximately 684,000 MT with an 80% chance that the actual landings will be between 550,000 and 814,000 MT.

Louisiana 1990 Menhaden Forecast

V. Guillory explained Louisiana's program of predicting menhaden harvest in Louisiana using juvenile abundance, environmental factors and catch/effort data. Based on this data, he noted a below average 1989 year class (age-1 in 1990) will be entering the fishery. Also, the returning 1988 year class (age-2 in 1990) will be below average. Based on these data, he predicted that the Louisiana harvest would be between 500,000 and 550,000 MT assuming a level of effort comparable with 1988. This total catch is below the long-term average.

Review of Current Gulf Menhaden Research

NMFS

J. Merriner described NMFS research involvement as follows:

1. Core program - fisheries dependent studies - age composition, laboratory aging and projecting numbers of fish in the catch by age
2. Otolith and scale aging of gulf menhaden
3. Estuarine dependency studies at Beaufort Lab involving menhaden
4. Mississippi "plume" studies involving menhaden and other species, aggregation and concentration of pollution and biota
5. Laboratory spawning studies
6. Coastal Ocean Program - nutrient studies in 1990 with focus on "plumes" and later studies of contaminants and fish planned

7. Status and Trends Program - seventh year of this program which involves menhaden
8. Habitat mitigation and thin layer disposal studies in conjunction with Corps of Engineers
9. Seafood technology studies - fish oil research at Charleston Lab, surimi development studies, experimental seafood processing lab in Mississippi (a cooperative state, industry and university program)

Texas

L. Green reported that most menhaden fishing occurs off the Sabine/Galveston area of Texas. However, they do not have any specific menhaden research projects. He advised that menhaden were caught in conjunction with the fishery independent sampling and assessment program and were incorporated into the analysis and reports. He noted that the latest published report contains 1987 data, and 1988 data was in press. Also, menhaden information was reported for "menhaden" and could easily be extracted from the report.

L. Green also reported that menhaden are included in their fishery dependent monthly marine products reports; however, menhaden (not being a food fish) is lumped in a "scrap" category and is not separated in the report.

Alabama

S. Lazauski reported that Alabama has very little landings except small bait catch. He noted that menhaden research was primarily included in their fishery assessment and monitoring program, a fisheries independent sampling program which includes menhaden and reports data separately for "menhaden."

Louisiana

V. Guillory reported that Louisiana has a similar monitoring (independent) program with trawls and seines. He noted that menhaden taken from the trawls were used in Louisiana's menhaden program to develop a juvenile index and that this data was compared with the seine samples.

V. Guillory advised that other research included the recent completion of menhaden harvest models using 1964-1987 data. Also, he identified a larval menhaden survey program initiated in 1984.

V. Guillory also described an ongoing study of variations in average weight of menhaden from year to year. The average weights by year were compared with a number of environmental factors (variables) to determine possible influences. Results are pending, and additional work is contemplated.

Update of Exposed Natural Gas Pipelines

B. White noted that on October 3, 1989, a Zapata menhaden vessel struck a natural gas pipeline, and the ensuing fire caused the loss of eleven crew members. He stated that afterwards his company began to look at this issue of "unburied," submerged pipelines and the need for a program to inspect, mark and rebury pipelines to conform with established law.

B. White advised that the Fish Meal and Oil Association is supporting Congressional action which would require pipelines in 22' of water or less to be inspected once per year, and if pipelines are found to be out of compliance (>3' below the mudline), they are to be appropriately marked.

He requested that the MAC consider a recommendation to the GSMFC supporting a similar mandatory inspection program for pipelines.

* G. Brumfield moved that the MAC approve a resolution (to be drafted) supporting an annual inspection program for gas pipelines from land fall to 22' of water depth and that pipelines found to be out of compliance with burying standards be appropriately marked until they can be reburied in accordance with federal law. J. Barnes seconded the motion which carried unanimously.

Update of Status of Bonnet Carré Freshwater Diversion Project

V. Guillory gave a brief overview of the status of the project. He noted the estimated construction cost of the structure is presently \$76 million, and the general design memorandum (GDM) is scheduled for completion in September 1990. He also noted that Mississippi and Louisiana must share the construction costs through adoption of local cost-sharing agreements (LCAs) of which Mississippi has approved.

C. Perret described three areas of concern regarding the project. Those concerns being quality of the Mississippi River water, flow direction through the wetlands rather than the spillway and the lack of studies regarding Lake Pontchartrain fisheries (other than oysters).

E. Swindell noted the menhaden industry has previously and continues to support the project.

Update of Menhaden Public Information Productions

B. White reported that the money and contractor for the production of a 10-15 minute film of the menhaden fishery had been secured. He further stated that shooting should begin in June with completion in July 1990, and the film would be available for use shortly thereafter.

J. Merriner passed out a "Gulf Menhaden Fact Sheet" containing a "thumb nail" sketch of the gulf menhaden for distribution and use by anyone.

Potential NMFS Gear Research Projects

B. Wallace described the purpose and need for gear research. He noted that improvements were not needed to increase harvest but rather to increase efficiency through possible reduction in crew size, boat time, etc. He explained that an outside consultant was needed to evaluate gear use and fishing practices, and he suggested the GSMFC or some other entity was needed to locate and fund the consultant (MARFIN was suggested).

It was discussed that NMFS might be a focal point for development of the proposal. J. Merriner discussed possible involvement and the content of the proposal.

* B. Wallace moved that the MAC recommend the development of a MARFIN proposal in conjunction with NMFS. E. Swindell seconded the motion. B. Wallace amended the motion to include other funding sources. The amended motion carried unanimously.

Other Business

L. Simpson explained an upcoming proposal to the GSMFC wherein the MAC would report to the FMC rather than the GS-FFMB thus coming under the Interjurisdictional Fisheries Program concept. He noted that the MAC was also considered for status as a standing committee. He advised that the GSMFC's decision on the matter was pending.

G. Brumfield asked for a status report on the bait fishery in Louisiana. V. Guillory gave a report and noted that 4 million pounds remained on the established quota.

There being no further business, the meeting was adjourned at 4:45 p.m.

APPROVED BY:

Harriet Perry
COMMITTEE CHAIRMAN

TCC CRAB SUBCOMMITTEE

MINUTES

**Tuesday, March 13, 1990
Orange Beach, Alabama**

TCC CRAB SUBCOMMITTEE MINUTES
March 13, 1990
Orange Beach, Alabama

H. Perry, Chairperson, called the meeting to order at 1:15 p.m. The following were in attendance (Alabama was not represented):

Members

H. Perry, GCRL, Ocean Springs, MS
P. Steele, FMRI, St. Petersburg, FL
V. Guillory, LDWF, Bourg, LA
T. Wagner, TPWD, Port O'Connor, TX

Staff

R. Leard, IJF Program Coordinator, Ocean Springs, MS
C. Dickens, IJF Assistant, Ocean Springs, MS

Others

C. Moss, TX Agriculture Extension Office, Angleton, TX
H. Osburn, TPWD, Austin, TX
T. Stelly, TPWD, Port Arthur, TX
E. Joyce, FDNR, Tallahassee, FL

Adoption of Agenda

The agenda was amended to place item number eight, "Regional Tagging Program," up to item number six.

Adoption of Minutes

The minutes of the meeting held January 18-19, 1990, were adopted as presented.

Review of Progress of Crab Research in Gulf States

Florida - P. Steele reported research in Florida continues on stone, blue and Geryon crabs. He passed out three research papers and gave a brief overview of each. In one blue crab study, tissue has been collected from about 17 sites throughout the United States ranging from New York to Texas. Migration work will be presented at the ASC meeting in San Antonio in December. Steele reported that

he attended a seminar in Miami recently at which a statistician estimated spawning stock size of Chesapeake Bay blue crabs using a random and sweep method of sampling. A fecundity index was established for Callinectes sapidus using number of eggs. Interestingly, a difference in fecundity was discovered between 1986 and 1987.

Mississippi - H. Perry reported that interjurisdictional funding has not been received therefore industrial survey work has stalled. A large project is currently being put together involving University of South Alabama, Dauphin Island Sea Lab and Gulf Coast Research Laboratory using hormonal induction in molting of C. similis. Survival tests on stone crabs using different temperatures and salinities continues. Perry hopes to continue Geryon work through a cooperative program with Minerals Management Service.

Louisiana - V. Guillory passed out copies of research papers on escape vents and ghost fishing. Current Louisiana research includes an industrial survey. From February 1989 through January 1990, plants were sampled in Terrebonne and Lafource parishes. Catch records were also monitored. All data has been computerized, and the data is in the process of being validated. Current research also includes a recreational survey. This survey includes several different segments of the fishery including crab bycatch from recreational trawlers, catch from recreational fishermen using crab traps, and boat landings. The crab bycatch averaged 12 crabs per trawling trip; each of the interviewed trawlers averages about 8 trips per year. The latest data indicates 14,050 sport trawlers in Terrebonne Parish. Catch by fishermen using traps indicated overall catch per effort was slightly over 60 crabs per trip; each fisherman averaged 11.5 sets per year. The mail survey for boat crabbing

has been completed, and a telephone survey has been done to compare response. This portion of the survey has been computerized and sent to LSU for harvest estimates; however, the final summary has not been received. Other Louisiana research includes larval recruitment projects by Jim Power at LSU and Ron Dugas at LDWF. Other activities include a state crab management plan; Guillory noted they were fortunate to have the GSMFC FMP to draw from.

A group of concerned crab fishermen called upon the governor for the development of a crab task force in Louisiana. The fishermen wanted the problems of the fishery addressed. The task force looked at existing laws but did not decide on any changes; however, the task force endorsed a limited entry provision. A trap identification subcommittee has been established to find a suitable method to mark traps. This group suggested markings be inexpensive, easy to apply to the traps, durable, easy to locate by law enforcement and devastating to the trap if tampered with.

Texas - T. Wagner reported TPWD continued fishery dependent and independent routine sampling. A commercial onsite survey is ongoing in which landings are randomly sampled. That sampling program had problems with sample size and statistical analysis therefore data is not available. Data from Texas sport-boat blue crab fishermen will be incorporated into TPWD's state blue crab FMP. A series of meetings on soft crab shedding were held at Texas coastal cities in January; approximately 160 people attended. Blue crab research topics were submitted by the Perry R. Bass Station for the upcoming project year. These topics included salinity and temperature tolerance tests and laboratory trays or tables to simulate shedding trays.

Review of Blue Crab FMP

P. Steele reported the crab FMP will go before the Fisheries Management Committee for their comments. Depending upon their action, the FMP will be presented to the GSMFC commissioners for their acceptance or rejection. R. Leard informed the committee of the broad review that the FMP went through. He noted there were some editorial changes but very minor in nature.

T. Wagner noted Texas' position that management recommendations be of a general nature rather than the specific nature as in the FMP. R. Leard noted that under the IJF Act, a management plan must be in the process or ongoing to qualify for IJF funds. Funding at a 90/10 rate is possible under this funding; however, Mississippi was recently turned down for the 90/10 funding because the striped bass plan did not have specific management measures only general recommendations. H. Perry reminded Wagner of the time and effort that went into this section to ensure that all recommendations would be acceptable to the states.

T. Wagner asked that the cite below be added on page 5-12 and also listed in the literature cited section. The committee agreed to list the cite in 5.1.8.1 after Judy and Dudley.

Benefield, R.L. and T. Linton. 1990. Movement study of blue crabs in Trinity Bay. Texas Parks and Wildlife Department, Fisheries Division, Coastal Fisheries Branch, Management Data Series Number 16, Austin, Texas.

Regional Tagging Program

H. Perry reviewed the proposed MARFIN research proposal. She stated the subcommittee proposal will be presented to the Technical Coordinating Committee for their review and action. The study is designed to document migration and

movement. Florida, Mississippi, Alabama and east Louisiana will be included the first year. She told the subcommittee she has been informed that Texas has no intention in participating in the project. T. Wagner explained More 1969 and Benefield and Linton 1978 show no significant migration exists in Texas. These papers present only inshore and offshore movement related to spawning. V. Guillory noted there may be problems with their design in the research which bias the tagging results; therefore, the More and Benefield and Linton data may not be complete. Wagner stated the main reason Texas would not participate is the fact they feel there are higher priorities than migration, fishing effort and fishing mortality. The main research priority as seen by Texas Parks and Wildlife is spawner/recruit relationships. Wagner further stated if the subcommittee continues with the project, fishing mortality estimates and percent return rates from commercial crab fishermen need to be addressed. The subcommittee continued discussion and revision to proposal, the proposal budget and the presentation to the TCC.

Status Report, Plankton Work Group

H. Perry reported due to a lack of funding and also recent developments in Poland, invertebrate sorting is no longer being accomplished by the Polish Sorting Center. The trained sorters have formed their own independent company. GCRL is still sorting, and the database is being updated. However, the work is proceeding very slowly. The Plankton Work Group has endorsed the concept of invertebrate sorting in its importance, and they are willing to work on a proposal to look at funding sorting.

There being no further business, the meeting adjourned at 5:00 p.m.

APPROVED BY:



COMMITTEE CHAIRMAN

TCC DATA MANAGEMENT SUBCOMMITTEE

MINUTES

Tuesday, March 13, 1990
Orange Beach, Alabama

Correction in
these minutes
p. 3

TCC DATA MANAGEMENT SUBCOMMITTEE

MINUTES

Tuesday, March 13, 1990
Orange Beach, Alabama

TCC DATA MANAGEMENT SUBCOMMITTEE
MINUTES
Tuesday, March 13, 1990
Orange Beach, Alabama

Chairman Henry "Skip" Lazauski called the meeting to order at 1:00 p.m. The following were in attendance:

Members

Joe Shepard, LDWF, Baton Rouge, LA
Tom Van Devender, MDWFP, Biloxi, MS
Ron Essig, NMFS, Silver Spring, MD
John Poffenberger, NMFS/SEFC, Miami, FL
Bob Muller, FDNR/FMRI, St. Petersburg, FL
Maury Osborn, TPWD, Austin, TX
Henry "Skip" Lazauski, ADCNR, Gulf Shores, AL

Staff

Ronald R. Lukens, Assistant Director

Others

Eugene Nakamura, NMFS, Panama City, FL
Kevin Hunt, Texas A&M University, College Station, TX
Bob Ditton, Texas A&M University, College Station, TX
I.B. "Buck" Byrd, NMFS, St. Petersburg, FL
John Merriner, NMFS, Beaufort, NC
Ron Schmied, NMFS, St. Petersburg, FL
Dean Parsons, NMFS, Silver Spring, MD
Eldon J. Levi, NMFS, Beaufort, NC

Adoption of Agenda

The agenda was unanimously adopted with the addition of an item to review NMFS/SEFC Miami activities.

Approval of Minutes

The minutes of the last meeting were approved without objection with the change in the spelling of John Witzig's name.

State Reports

Texas - M. Osborn began discussing Texas' trends report, indicated that it is now an automated procedure. Raw data can now be downloaded on to diskette and sent to NMFS for uploading into the mainframe computer. Texas is currently working on their sampling program to establish the best sampling strata and to initiate random proportional

sampling. Long term goal is to increase sampling size in an effort to decrease variability. Osborn reported that their involvement in the cooperative statistics program is on track; however, Texas has not gotten shrimp landings from NMFS since August. Texas needs raw data and dealer numbers to assist in their random proportional sampling in the commercial sampling program.

Florida - B. Muller discussed the Trip Ticket Program for commercial landings. The system is working well and provides information on a variety of species which may not enter the data base through other programs. Florida has upgraded its computer capability with an IBM mainframe. Florida plans to provide supplemental funding to the NMFS MRFSS to conduct the recreational fisheries survey for Florida. Muller reported that FDNR contracted with a CPA firm to audit a particular fishery through the list of dealers which are providing trip tickets. The audit was intended to track compliance with the Trip Ticket Program and check the accuracy with which the trip tickets are being filled out. The results showed that the error for large companies was under 0.5%, while the small companies had errors around 2.0%. The small companies represent a very small volume and thus a small percentage of the total landings. Those results were encouraging, to the point that the Department is considering hiring four auditors to conduct such efforts on an ongoing basis. Florida's confidentiality policy restricts the use of landings or trip ticket data to fisheries management use only.

Mississippi - T. Van Devender reported that Mississippi is continuing to participate in the collection of commercial landings data through the Cooperative Statistics Program. Van Devender indicated the possibility of a problem with the TIP program in that a NMFS port agent may be duplicating data by visiting the same fish houses as the state agents. Some of the cooperative statistics data from Mississippi is being used to make fishery management decisions, particularly TIPS data with regards to red drum.

Louisiana - J. Shepard reported that Louisiana has begun collecting commercial landings information. A bill was passed which called for mandatory reporting from anyone holding a wholesale/retail dealers

license and commercial fishermen who do not sell to wholesale/retail dealers. NMFS still collects all shrimp data in Louisiana while the state collects finfish, crab, and oyster data. Data will be provided to NMFS in monthly reports. Louisiana has intended to initiate a creel survey for recreational fishery data in the past; however, it appears now that the state may prefer to supplement the NMFS MRFSS for Louisiana data. A discussion about the benefits of a Trip Ticket Program ensued.

Alabama - S. Lazauski reported that Alabama has three port agents for the Cooperative Statistics Program, one NMFS person and two state people. Legislation was ~~recently passed~~ ^{introduced but failed to pass} which ~~made~~ ^{would have} it mandatory that fish houses allow port agents to collect landings data. TIP data continue to be collected in Alabama; however, funding constraints have caused some problems. Lazauski discussed the benefits and drawbacks of the various data entry programs which NMFS provides. For recreational fisheries data Alabama conducts a length frequency survey from selected areas on key species. It is not a statistically designed survey which would allow expansion of collected data. Lazauski pointed out that the computers used for the Cooperative Statistics Program need to be upgraded. Within a year IBM will refuse to service them, and service through a third party contract may be prohibitive. Alabama would like to implement a Trip Ticket Program; however, it will require statutory authority. It should be a long term goal since that program would save as much as 1.5 man-years which could be spent collecting and analyzing TIP data.

NMFS Report

J. Poffenberger began discussing the TIP program that is being developed. Development is in two parts. The first part is inhouse testing and the second part is output at the PC level. It appears that the new program will be very user friendly. The program is scheduled to be ready to send out to the cooperators by the first of April. After initial field use any necessary modifications can be made for the final product. Poffenberger handed out a package of output examples for review. He then discussed a prototype tagging program which should be available soon for field testing. Full implementation is expected by the end of 1990 (FY).

NMFS recognizes that there are significant problems with the shrimp data entry program and they are working to solve the problems. Lazauski indicated that there are different errors that occur with different computers. Van Devender reported that after 300 entries the system slows down significantly. In some cases, after a certain number of entries, the system will lose everything that was entered.

Poffenberger next discussed the current status of procurement of the IT-95 mainframe computer which NMFS is acquiring. They are expecting to issue an RFP for late April or early May. A decision is anticipated by late 1990 from the Secretary of Commerce on the selection of a machine. That would place acquisition of the computer in the first quarter of 1991. All existing software for the Burroughs mainframe will either have to be recoded or redone to be compatible with the IBM IT-95.

Poffenberger expressed concern with regards to the general canvas data. General canvas program includes areas of catch, gear, and distance from shore of catch as information fields along with what was landed. The concern is that for states using a trip ticket system, or dealer reporting system, the general canvas information will no longer be available because it is usually done by port agents. A discussion ensued regarding the long-term goal of a single data collection program that collects landings of shrimp, finfish, and shellfish and provides all general canvas-type or trip information.

The annual Cooperative Statistics Workshop is scheduled for the week of June 4. It will have two main points of emphasis. One is the TIP program, looking primarily at the retrieval and report generating aspects. The other topic is access and retrieval from the mainframe. Brad Brown, at the NMFS Miami facility, has allocated some funding and resources toward the development of a data base management system for fishery dependent data. It is anticipated that NMFS will be far enough along to be able to discuss, at least in part, this initiative at the workshop. A discussion about how such an effort should mesh into the IT-95 ensued. Generally it was felt that NMFS should move deliberately to determine what types of outputs that all the users would like to see available prior to establishing the data base management system.

NMFS/SEFC Miami Activities

Lazauski reported that over the past several years the NMFS data management program has committed to do a number of things to facilitate the cooperative relationship between NMFS and the states. Some things have been accomplished, while many others have not. Lazauski's suggestion was to compile a list of those things to which NMFS has committed, and list those things which have been accomplished in an effort to be able to better track progress. M. Osborn suggested that perhaps certain developments recently may indicate the intention on the part of NMFS to be more responsive to accomplishing certain goals which the states believe are important. In that light Osborn suggested tabling the present agenda item for later consideration. Lazauski agreed with Osborn's reasoning, and tabled the issue until the annual fall meeting. A short discussion of the situation ensued using shrimp data entry as an example. A preliminary discussion of this topic will be held at the June Cooperative Statistics Workshop.

Report on CMAS

S. Lazauski provided a report on the development and application of CMAS, which is a computer program developed to work with shrimp data files for the EEZ. It is designed for MacIntosh systems and has a good graphics package. For state application, Lazauski indicated that it is impractical to have two operating systems, IBM and MacIntosh, inhouse. Lazauski suggested to NMFS people that the system may have application to the SEAMAP data. NMFS has begun work toward making the program usable for SEAMAP data. They are also trying to expand the program to make it more applicable to state data management needs. Some discussion ensued regarding benefits and drawbacks of using the MacIntosh system in place or alongside current IBM systems.

Upcoming Charterboat/Headboat Workshop

Lazauski provided some background on how the charterboat/headboat data collection workshop came about. It is a part of the overall initiative to address problems and needs regarding a comprehensive recreational fishery data collection program. The workshop is scheduled for April 24 and 25 in Panama City, Florida at the NMFS Laboratory.

Lazauski handed out a draft agenda for the workshop and opened a discussion to finalize the agenda. M. Osborn will bring her portable computer so that results from the workshop can be compiled immediately. Lazauski listed the participants who had already committed themselves to portions of the agenda. There was some discussion about inviting an economist to participate in the program. M. Osborn agreed to check on a state person while Ron Schmied, NMFS, St. Petersburg, agreed to check on a NMFS person.

Regarding logistics of the workshop, Lukens reported that Eugene Nakamura had been working with the office on preparations for the meeting, and everything is progressing as expected. Hotel rooms have been blocked and transportation for everyone from the hotel to the NMFS Lab will be available.

Ron Schmied raised the question as to what is the major thrust of the charterboat/headboat activities. Referring to the "Proceedings" document of the 1989 data workshop, it was determined that effort estimation was a major point with regards to the NMFS MRFSS; however, the intent of the workshop is to cover all aspects of charterboat/headboat data collection.

MRFSS Update

R. Essig reported that the contract for the MRFSS 1990 was awarded in February to KCA Research. Many of the recommendations requested by the Subcommittee are being implemented in the survey. An example is expanded training for field personnel. Also field supervision is now provided. Three meetings per year are planned to review information from the waves of data collection. The meetings will involve KCA, NMFS, and appropriate state representatives. A procedures manual has been developed. Essig noted that the survey was not going to be conducted on the Pacific coast; however, the telephone portion of the survey will be done.

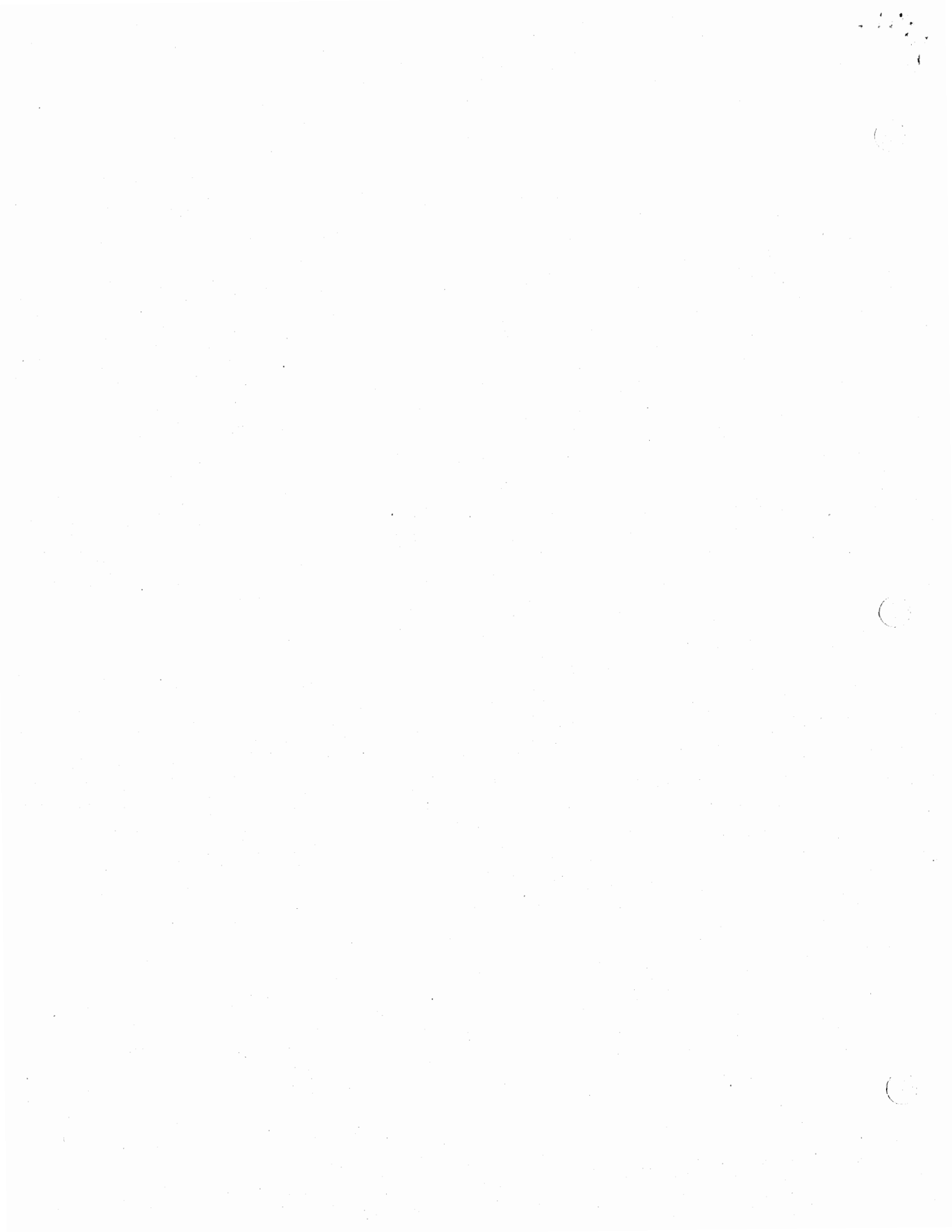
Standards for Data Collection Quality Control

Due to a time constraint, agenda item 10 was tabled until the next meeting. Lukens pointed out that, contractually, the document had to be completed by the end of 1990.

Other Business

* Lazauski made a motion that Ron Essig, NMFS Washington, who is a staff member working on the MRFSS, be added to the Subcommittee as a non-voting member. The motion was seconded and passed unanimously.

There being no further business, the meeting adjourned at 5:00 p.m.



APPROVED BY:

Jerald K. Waller
COMMITTEE CHAIRMAN

~~LAW ENFORCEMENT COMMITTEE~~

MINUTES

Tuesday, March 13, 1990
Orange Beach, Alabama

LAW ENFORCEMENT COMMITTEE
March 13, 1990
MINUTES
Orange Beach, Alabama

Chairman Jerry Waller called the meeting to order at 8:07 am. Waller announced that the Law Enforcement Committee (LEC) had been a functioning committee of the GSMFC for 15 years this month and the first meeting had been held in Alabama. All states and NMFS were represented. The following were in attendance:

Members

Jerry Waller, ADCNR/MRD, Dauphin Island, AL
Jim Robertson, TPWD, Austin, TX
Lewis W. Shelfer, FMP, Tallahassee, FL (proxy - D. Ellingsen)
Phillip M. Bohr, NMFS, St. Petersburg, FL (proxy - S. Montero)
Pat Anglada, MDWFP/BMR, Biloxi, MS (proxy - J. Gollott)
Tommy Candies, LDWF, Baton Rouge, LA

Staff

Lucia Hourihan, Publication Specialist
Richard Leard, IJF Program Coordinator

Others

Jack King, TPWD, Corpus Christi, TX
Terry Bakker, MDWFP, Biloxi, MS
Jimmy Laird, MDWFP, Jackson, MS
I.B. "Buck" Byrd, NMFS, St. Petersburg, FL
A. Kell McInnis, III, LDWF, Baton Rouge, LA

Adoption of Agenda

The agenda was adopted as presented.

Adoption of Minutes

The minutes of the meeting held October 18, 1989 in Biloxi, MS were adopted as written.

NMFS Report

Phillip Bohr reported that it had been approximately two years since NMFS had been approached to amend MFCMA so that states could share in the revenues associated with MFCMA forfeitures. The changes have been favorably received, approved verbally and legislation is pending.

NMFS has hired three new agents (1 - LA, 1 - TX, 1 - Region) who are in training and will be out in the field within about a year. They are also hiring two new supervisors so they will have one for the Gulf and one for the Atlantic.

Bohr stated that shellfish remain a high priority for NMFS.

TCC Oyster Subcommittee Report

Tommy Candies reported that the Oyster Technical Task Force (TTF) would soon be working on Section 14 of the FMP. A draft of this section (dealing with regulations) will be sent to the LEC for review and comment following the next TTF meeting to be held the third week of March. Rick Leard stated the FMP is expected to be completed by October 1990.

TCC Black Drum Subcommittee Report

Jim Robertson reported the Black Drum TTF had held their organizational meeting in Mobile, AL in February. Assignments were made and the TTF got off to a good start. Robertson said the TTF had had an impression that no directed fishery existed for black drum but that was not true, at least in Texas.

Interstate Transport of Seafood/Aquaculture Products Laws/Regulations

The Committee discussed at length the state directors' request to examine current legislation and recommend common language regarding imports and exports of seafood/aquaculture products. Members will forward copies of all pertinent legislation to the GSMFC office. Jim Robertson will review the input and draft an outline in suggestion form of what might be required to make a shipper, receiver or processor accountable. It was noted that legal questions may arise and lengthy discussion will be required. The Committee will meet for one to two days during the ISSC meeting in California to come up with some recommendations for presentation to the GSMFC at the October meeting. The Committee requested the assistance of GSMFC's publication specialist at their July meeting.

Interstate Trafficking - Stolen Boats

Waller stated that a problem had arisen a few months ago when Alabama oyster fishermen were arrested in Mississippi. The fishermen did not have the proper markings on their vessels or motors. Alabama is trying to get the word out to all of their people about the law requiring serial numbers on vessels and motors. Special Investigators Terry Bakker and Jimmy Laird of the MDWFP were present to discuss the Mississippi law and some of their procedures. Laird said that for the past seven to ten years Mississippi has been working tampered serial numbers on motors. If a serial number has been tampered with, inside or outside plate removed, a law enforcement agent discovering such will confiscate the item. The possessor of said item has the right to go to court and prove ownership. The steps that Mississippi has taken have cut down the market for stolen motors in Mississippi. Bakker and Laird presented a video showing how a thief (involved with approximately \$1 million in marine theft) accomplished stealing motors and boats, changing serial numbers and registering or titling.

Also discussed was a Florida law which says that non-residents can fish Florida waters for 90 days without Florida registration provided vessel has current registration in another state. Alabama has a problem with that as they do not register documented vessels.

State Laws/Regulations Summary

The Summary of Marine Fishery Laws and Regulations for the Gulf States will be updated and available for limited distribution at the October meeting.

Other Business

The Committee by consensus agreed to request the GSMFC to schedule the LEC meeting to be held the day prior to the business meeting.

Committee members would like GSMFC staff to explore the availability of funds to cover travel costs for meetings.

There being no further business, the meeting was adjourned at 11:22 am.

INDUSTRY ADVISORY COMMITTEE

MINUTES

**Tuesday, March 13, 1990
Orange Beach, Alabama**



INDUSTRY ADVISORY COMMITTEE
MINUTES
Tuesday, March 13, 1990
Orange Beach, AL

Chairman John Hoey called the meeting to order at 9:40 a.m. The following were in attendance:

Members

T.H. Shepard, LSA, New Orleans, LA
Leroy Kiffe, GSMFC, Lockport, LA
Bill Chauvin, ASP, New Orleans, LA
Chris Nelson (proxy for J.R. Nelson), GSMFC, Bon Secour, AL
John Hoey, NFI, Washington, DC

Staff

Larry B. Simpson, Executive Director
Eileen M. Benton, Administrative Assistant

Others

George Brumfield, Zapata Haynie Corporation, Moss Point, MS
Corky Perret, LDWF, Baton Rouge, LA
J.T. Dawson, Pensacola, FL
John Merriner, NMFS, Beaufort, NC
Eldon Levi, NMFS, Beaufort, NC
Walter M. Tatum, ADCNR, Gulf Shores, AL
Cynthia Baumann, Bon Secour Fisheries, Bon Secour, AL
Buck Byrd, NMFS, St. Petersburg, FL
John Andrew Nelson, Bon Secour Fisheries, Bon Secour, AL
Jim Coleman, Coleman Marine
Ed Swindell, Zapata Haynie Corporation, Hammond, LA
W. Borden Wallace, Wallace Menhaden, Mandeville, LA

Members Absent

Organized Fishermen of Florida
Texas Shrimp Association
Charles Belaire, GSMFC Commissioner
Gilmer Nix, GSMFC Commissioner
Rudy Lesso, GSMFC Commissioner
Nets International
PISCES, Inc.
Concerned Shrimpers of America
Southeastern Fisheries Association
Fish Consumers Association

Adoption of Agenda

The agenda was adopted as presented.

Adoption of Minutes

The minutes of the meeting held October 17, 1989 in Biloxi, Mississippi were approved as written.

Seafood Inspection Update

J. Hoey reported that there are currently 10-11 bills in Congress (four in Senate, seven in House) involved in seafood inspection. Most of the bills give the primary lead agency role to the Department of Agriculture. The bill that is currently being marked-up is H.R. 3155, the Dingell-Waxman Bill. This bill gives sole responsibility to FDA. The major problem with this bill is the fact that it provides very little mechanisms for regulating or inspecting imports in a comparable manner to the standards they have established for the domestic production. He also noted that many of the other bills have many stronger provisions regarding cooperative agreements between the different agencies and stronger support for many of the State programs. This bill does not support the State programs. This bill is also very broad and it will be difficult to establish tracking mechanisms.

Within 30 days after passage of this bill the FDA is required to issue a contract to the Academy of Sciences to develop or recommend suitable standards. The criteria that they have established is very different from other food health standards. This bill will eliminate distinction between standards and go with a more strenuous, tougher standard.

J. Hoey also reported that the Administration supports an enhanced FDA program -- a voluntary HACCP based inspection program using user fees and they are trying to develop that program so that it would cover both domestic and imported products. The problem with the voluntary program is that it has only 15-20% involved. Another problem with the voluntary program is that it is being set up so that to encourage participation, the FDA would increase inspection and surveillance on those plants and processors that are not involved in the program.

* After discussion, C. Nelson moved that the Commission endorse a letter stating support for some form of seafood inspection, but this legislation should not be treated in a more stringent fashion with respect to safety standards in basic food law than other food

industries. Also included in the letter should be NFI's position statements: 1) any seafood inspection program should be based on a Hazard Analysis of Critical Control Points (HACCP) system, 2) funding for inspection should be supported by appropriation rather than by user fees, and 3) equitable treatment of imported seafood products along with domestic product in the regulations. The letter should also state reservations regarding H.R. 3155. Seconded and passed unanimously.

5) Federal Resource Management

a) MFCMA Reauthorization

J. Hoey reported that a bill passed in the House on the reauthorization of the Magnuson Act and Congress is currently working on the Senate version. Major Magnuson Act changes were the inclusion of tuna and limitations on terms of Council appointments (2 terms).

b) Gulf Council Action Items/Activities

B. Chauvin reported that the Reef Fish Management Plan Amendment and Shark Management Plan have been forwarded to the Secretary of Commerce for approval. Council has also been concerned with By-catch issues.

6) Imports and Supply

a) Reliability of Landings, Imports and Frozen Holdings

J. Hoey reported that action from the last meeting resulted in the Commission sending a letter expressing concerns in these areas. He noted that NMFS budget has cut funds in the area of data collection and this may be a real problem in obtaining reliable statistics.

b) Import and Market Trends

B. Chauvin distributed and reviewed a U.S. Shrimp Market Status Report (attached to minutes).

c) Trade Issue

J. Hoey reported that the bill passed in the House will have an impact on shrimp imports. This bill requires the President to certify that countries importing to the U.S. have turtle conservation programs equivalent to the U.S. turtle conservation measures.

7) Vessel Safety - Zapata Initiative on Pipeline Supply

E. Swindell distributed and reviewed a resolution concerning exposed natural gas pipelines. He reported that the current law states that pipelines are to be buried in water depth of less than 12 feet and buried three feet below the sea floor. After initial burial they do not have to reinspect. He requested the Committee endorse this Resolution to the full Commission.

* After discussion, T. Shepard moved to support the Resolution (attached) as presented. The motion was seconded and passed unanimously.

* T. Shepard moved to request the Commission endorse another resolution recommending the initiation of a program to inspect, identify and subsequently rebury exposed oil and gas pipelines out to 200 feet and three feet below the mud line. The motion was seconded and passed unanimously.

8) Trends in Oyster Consumption, Market and Supply

C. Nelson reviewed and distributed a re-evaluation of shellfish illness data sheet (attached to minutes).

9) Industry Participation in Gulf States Commission and Regional Councils

C. Nelson distributed a report by J.R. Nelson on the Commission's Ad Hoc Committee. This Committee was set up within GSMFC to deal with the direction the Commission is taking. The Committee discussed the Ad Hoc Committee's recommendation to develop a commercial seafood industry committee which would include harvestors and processors in hopes of obtaining greater participation.

10) Trade Association General Reports

American Shrimp Processors - B. Chauvin reported that they are primarily concerned with the Department of Environmental Quality in Louisiana enforcing screening of hulls. He also noted that their convention is scheduled for March 29-30 at the Perdido Beach Hilton.

Louisiana Shrimp Association - T. Shepard reported that LSA just completed its Annual Meeting on March 3. He reported that they are

currently working through the Louisiana Task Force to ease effort on shrimp crop in the waters of Louisiana. Also working on the survival of the reactive catch of the white shrimp population. National Fisheries Institute - J. Hoey reported that they are currently active in the seafood inspection issue. Plans to work with Concerned Shrimpers, TSA and other associations on proactive industry approach to bycatch issues. Also working on MFCMA reauthorization.

11) Environmental/User Group Conflicts

a) TEDs

J. Hoey reported that the TED regulations are now in effect. Currently, trawling inshore waters where tows are 90 minutes or less are exempted from the TED regulation.

b) By-catch

J. Hoey reported that NFI is forming a group that will work with NMFS to look at new data that has been collected as a result of observer trips on boats with the TED usage. They will examine the bycatch information in hopes of preventing the things that happened on the TED issues.

* The problems of saltboxes were discussed. B. Chauvin moved that the Commission explore the problems of the use of saltboxes on bycatch. The motion was seconded and passed unanimously.

* A discussion was held regarding a Shrimp Industry Bycatch Conference. B. Chauvin moved that the Commission endorse a conference on Bycatch in the Shrimp Industry to be held in October. The motion seconded and passed unanimously.

12) Other Business

J. Hoey reported that the Full Committee mark-up on H.R. 3155 (seafood inspection) passed with several amendments. Major points of the bill are as follows:

- (1) vessels were exempted.
- (2) foreign fishing inspection program was approved -- Secretary of FDA will determine by country those that have comparable or at least equal management inspection programs and those will be allowed to import.

- (3) \$75 million appropriation to fund the program. Funding by user fees was eliminated.
- (4) FDA is key agency.
- (5) Requires certification of all processing plans by the U.S. Government.
- (6) No upgrade of State programs.
- (7) Secretary may exempt imported processed product which predominately consist of ingredients which are not imported.
- (8) Contains OSHA provision. If facility or operations has been documented to have problems with OSHA in the past, inspection will be on a much higher rate.

There being no further business the meeting adjourned at 4:40 p.m.



DATA FOR
U.S. SHRIMP MARKET STATUS

Supplied by

**William D. Chauvin
SHRIMP WORLD, INC.**

For Presentation at

**GULF STATES MARINE FISHERIES COMMISSION
INDUSTRY ADVISORY COMMITTEE MEETING**

March 13, 1990

U.S. IMPORTS BY COUNTRY
1989

Top 15 Countries

(Millions of Pounds)

| | | |
|-----|-------------|-------------|
| 1. | China | 103.0 |
| 2. | Ecuador | 81.1 |
| 3. | Mexico | 60.4 |
| 4. | Thailand | 48.6 |
| 5. | India | 28.7 |
| 6. | Panama | 17.2 |
| 7. | Brazil | 16.8 |
| 8. | Philippines | 14.2 |
| 9. | Indonesia | 13.5 |
| 10. | Bangladesh | 13.0 |
| 11. | Venezuela | 12.3 |
| 12. | Pakistan | 9.8 |
| 13. | Malayasia | 8.0 |
| 14. | Singapore | 7.9 |
| 15. | Honduras | 7.6 |
| | OTHER | <u>61.0</u> |
| | TOTAL | 503.1 |

Source: U.S. Customs, U.S.D.C.

**U.S. IMPORTS BY COUNTRY
1979**

**Top 15 Countries
(Millions of Pounds)**

| | |
|---------------|--------------|
| Mexico | 71.9 |
| India | 30.8 |
| Ecuador | 13.7 |
| Panama | 12.2 |
| Thailand | 10.6 |
| Brazil | 9.7 |
| Taiwan | 7.9 |
| El Salvador | 6.3 |
| Indonesia | 5.5 |
| Nicaragua | 5.4 |
| Hong Kong | 5.3 |
| Colombia | 4.1 |
| Guyana | 3.7 |
| French Guiana | 3.7 |
| Guatemala | 3.5 |
| Other | 30.3 |
| TOTAL | 224.5 |

Source: Fisheries of the U.S., 1980

U.S. MAJOR BLACK TIGER SOURCE COUNTRIES

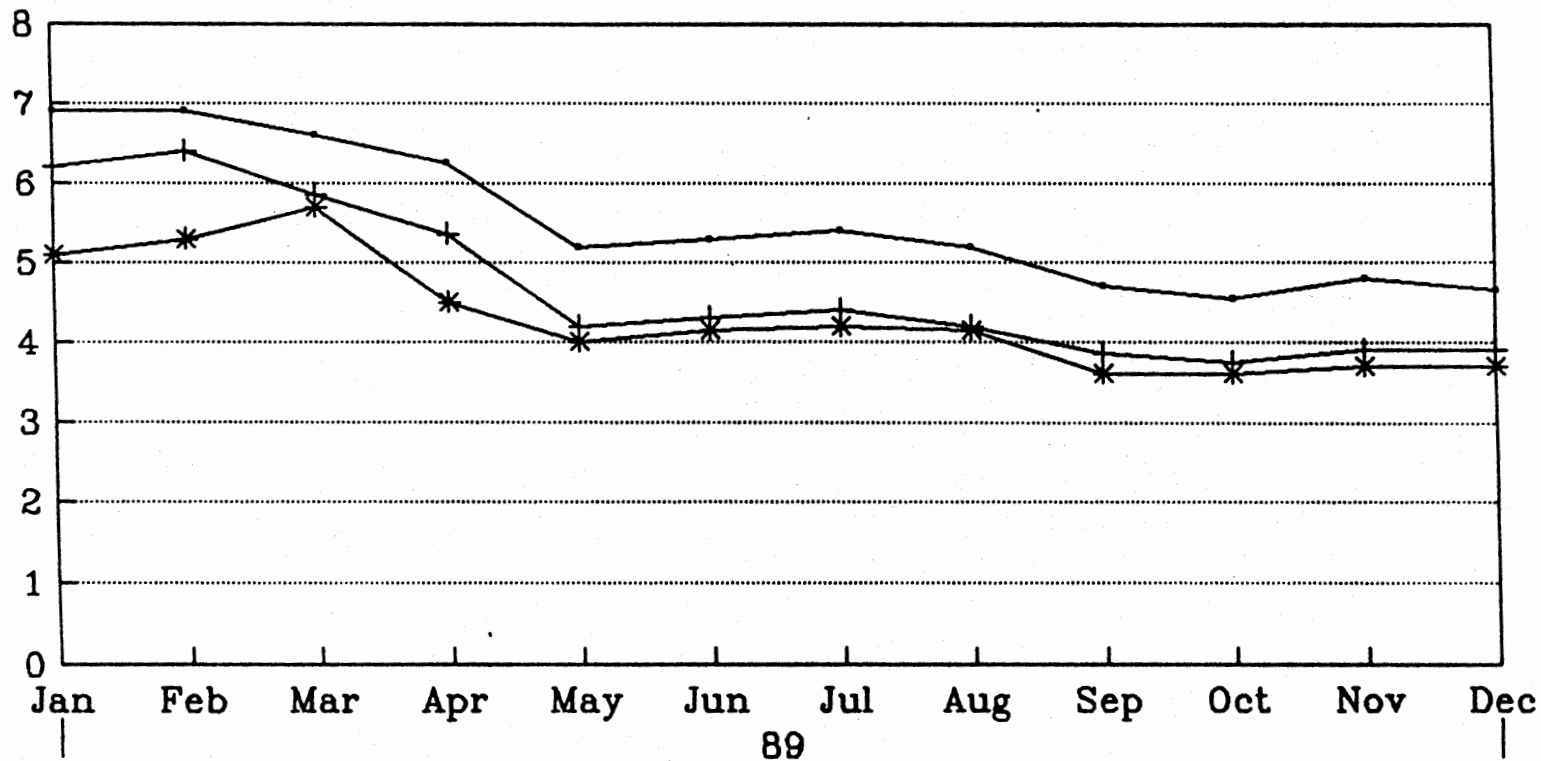
(Millions of pounds)

| | '89 | '88 | '87 |
|-------------|------------|------------|------------|
| Thailand | 48.6 | 23.7 | 24.1 |
| Philippines | 14.2 | 7.6 | 5.6 |
| Indonesia | 13.5 | 4.3 | 3.7 |
| Bangladesh | 13.0 | 11.6 | 9.3 |
| Malaysia | <u>8.0</u> | <u>6.1</u> | <u>4.4</u> |
| TOTAL | 97.3 | 53.3 | 47.1 |

Source: Fisheries of the U.S. 1988, N.M.F.S.
Shrimp World, Inc. Projection

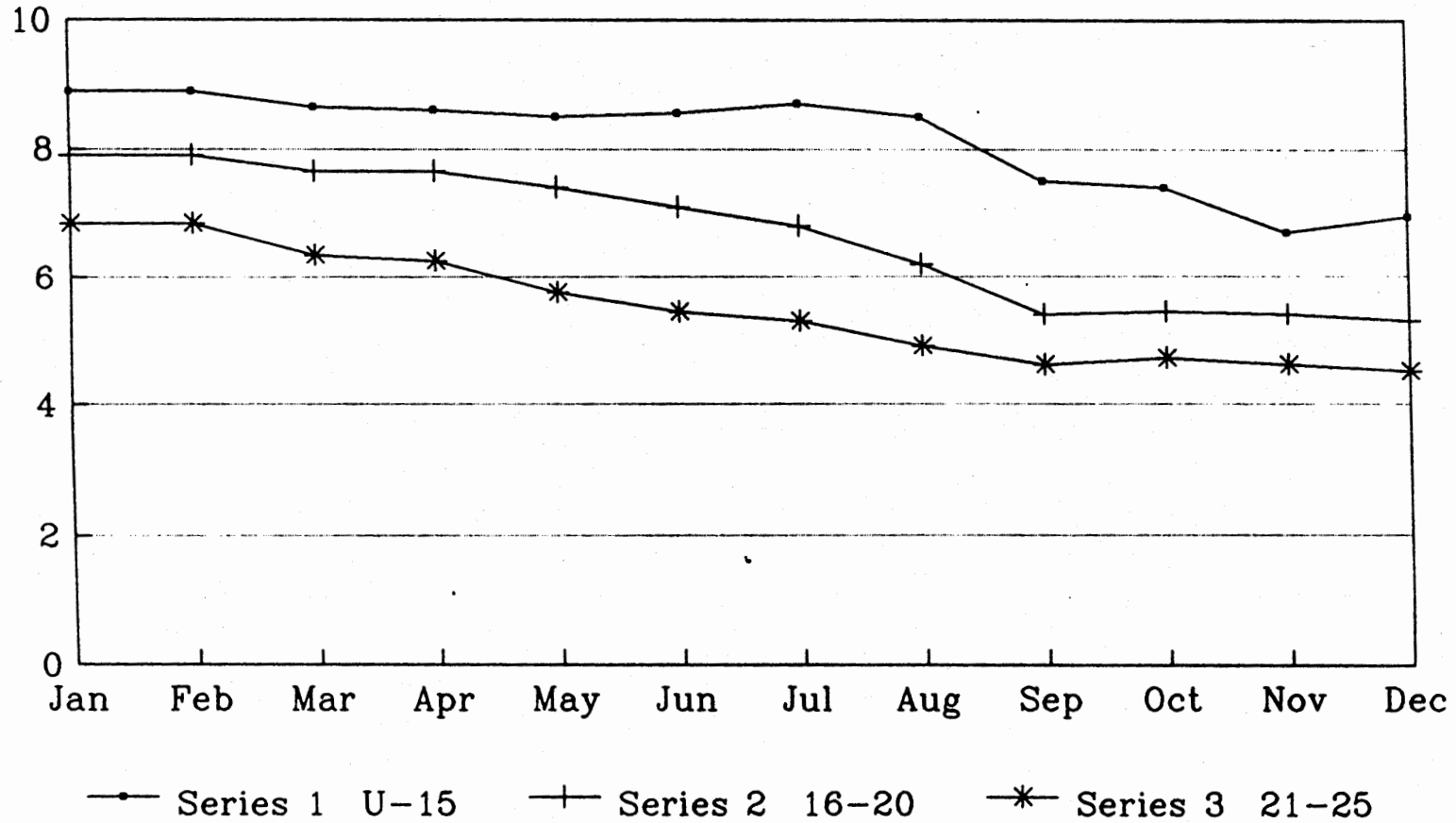
Prices – Bangladesh Tigers

Jan '89 – Dec '89



—●— Series 1 16-20 —+— Series 2 21-25 —*— Series 3 26-30

Gulf Brown 1989



**CHARACTERISTICS
OF THREE MAJOR ASIAN
CULTURE SYSTEMS**

| | EXTENSIVE | SEMI-INTENSIVE | INTENSIVE |
|---|---|-----------------------------------|-------------------------------------|
| Pond Size | 5 ha or larger | 1 - 5 ha | 1 ha or smaller |
| Stocking Density per hectare | 3,000 to 20,000 | 25,000 to 80,000 | over 80,000 |
| Water Management | mostly tidal | pumping some aeration | pumping, aeration and treatment |
| Seed-stock | wild or hatchery | wild or hatchery | hatchery |
| Feeding | none (natural) | some natural supplement feed | formulated diet |
| Crops per year | 1 - 3 | 2 | 2 - 2.5 |
| Production cost to produce 1 kg. | up to 800 kg per yr/ha \$2.20 - 3.85 | 1 - 3 tons/ha/yr \$3.30 - 6.60 | 8 - 12 tons/ha/yr \$6.60 - 10.00 |

Source: F.A.O. INFOFISH, Industry

SHRIMP AQUACULTURE PRODUCTION
1989 Estimates, 2000 Projections

(metric tons)

| <u>country</u> | <u>1989</u> | <u>2000</u> |
|----------------|----------------|----------------|
| China | 185,000 | 300,000 |
| Thailand | 100,000 | 115,000 |
| Indonesia | 85,000 | 130,000 |
| Ecuador | 60,000 | 85,000 |
| Philippines | 46,000 | 90,000 |
| Vietnam | 28,000 | 45,000 |
| India | 25,000 | 42,000 |
| Taiwan | 24,000 | 40,000 |
| Panama | 4,000 | 6,000 |
| Honduras | 3,200 | 5,000 |
| Colombia | 2,800 | 15,000 |
| Malaysia | 2,500 | 6,000 |
| Mexico | 2,500 | 25,000 |
| <u>Others</u> | <u>28,000</u> | <u>41,000</u> |
| TOTAL | 596,000 | 945,000 |

Source: Various Embassies, Industry, Infofish (F.A.O.), and World Bank (Modified by Shrimp World, Inc.)

**PROJECTED GROWTH IN
TOTAL WORLD SHRIMP PRODUCTION**
(Thousands of tons)

| | | | |
|------|---|-------|----------------------------|
| 1986 | = | 2,217 | (F.A.O.) |
| 1987 | = | 2,354 | (F.A.O.) |
| 1988 | = | 2,418 | (F.A.O. Preliminary) |
| 1989 | = | 2,511 | (Projected from this year) |
| 1990 | = | 2,608 | |
| 1991 | = | 2,783 | |
| 1992 | = | 2,891 | |
| 1993 | = | 3,003 | |
| 1994 | = | 3,119 | |
| 1995 | = | 3,239 | |
| 1996 | = | 3,364 | |
| 1997 | = | 3,494 | |
| 1998 | = | 3,629 | |
| 1999 | = | 3,769 | |
| 2000 | = | 3,914 | |

Historical Annual Growth Rate

| | |
|-------------|-------|
| 1970 - 1980 | 4.37% |
| 1980 - 1984 | 3.86% |
| 1984 - 1988 | 6.16% |

Source: F.A.O.; Shrimp World, Inc.

Projections calculated at lowest historical rate (3.86%)
Straight line projection

RAW PEELED PRODUCT
1988 and 1989
by country

| <u>COUNTRY</u> | 1989 | 1988 |
|----------------|---------|--------|
| China | 26,052 | 17,105 |
| India | 21,963 | 24,013 |
| Mexico | 10,103 | 11,900 |
| Thailand | 8,642 | 5,785 |
| Pakistan | 7,722 | 9,803 |
| Brazil | 6,102 | 5,646 |
| Taiwan | 5,412 | 6,394 |
| Singapore | 2,764 | 2,527 |
| Other | 20,657 | 13,347 |
| TOTAL | 109,417 | 96,520 |

Source: Fisheries of the U.S., N.M.F.S., U.S.D.C.

PEELED IMPORTS (RAW)
COMPARED TO TOTAL IMPORTS
(Millions of Pounds)

| | PEELED | TOTAL | PEELED PERCENT |
|------|--------|-------|-------------------|
| 1980 | 66.2 | 219.3 | 30 |
| 1981 | 65.5 | 222.8 | 29 |
| 1982 | 64.9 | 273.9 | 23 |
| 1983 | 81.6 | 341.4 | 23 |
| 1984 | 75.7 | 342.5 | 22 |
| 1985 | 77.5 | 359.9 | 21 |
| 1986 | 91.8 | 400.1 | 23 |
| 1987 | 116.7 | 478.3 | 24 |
| 1988 | 96.5 | 503.9 | 19 |
| 1989 | 109.4 | 503.0 | 22 |

Source: Fisheries of the U.S., N.M.F.S., U.S.D.C.

D R A F T

RESOLUTION

WHEREAS, on October 3, 1989, the menhaden vessel NORTHUMBERLAND struck an exposed natural gas pipeline offshore Texas resulting in the deaths of 11 fishermen, the injury of three others, and the destruction of the vessel, and there have been a total of 21 cases of vessels striking exposed natural gas pipelines, and

WHEREAS, federal law requires that natural gas pipelines must be buried below the seafloor, but no regulatory regime presently exists to ensure that pipelines are buried as required by law, and

WHEREAS, exposed pipelines constitute hazards to navigation and a danger to the tens of thousands of fishing boats and other vessels that ply the waters of the Gulf of Mexico,

THEREFORE BE IT RESOLVED, that the Gulf States Marine Fisheries Commission calls upon the United States Congress and appropriate federal agencies to implement a regular program of inspection of all natural gas pipelines from the point where they make landfall out to a water depth of 22 feet, that pipelines found to be exposed above the seafloor be marked with buoys or other temporary devices until they can be reburied as required by law, and

BE IT FURTHER RESOLVED, that the Gulf States Marine Fisheries Commission calls on its member states to support efforts to establish a pipeline inspection program thereby improving the safety of navigation for all vessels in the Gulf of Mexico.

REEVALUATION OF SHELLFISH ILLNESS DATA

| | FDA ESTIMATE | OUR ESTIMATE |
|-----------------------------------|--|---|
| illnesses/meal | 1/250 | much lower |
| estimates of disease | 61,100 cases | 9200 cases or at least not high end |
| consumption (all seafood 1987) | 15.4 lbs. / capita 3.7 billion lbs. | same |
| consumption (raw shellfish) | < 0.1% (0.001) or 3.7 million lbs. | much, much more (see survey results) |
| | off by > 4X | 16.4 million lbs. (oysters alone) |
| | off by > 8X | 29.9 million lbs. (10% clams added) |

| | OYSTERS ONLY | PLUS CLAMS |
|------------------|-------------------|-------------------|
| | 16.4 million lbs. | 29.9 million lbs. |
| assume: | | |
| 9200 illnesses | 1/7133 | 1/13,000 |
| 61,100 illnesses | 1/1074 | 1/1957 |

chicken is 1/25,000

PRELIMINARY SURVEY RESULTS

million lb

| SURVEY RESULTS | WEST | CHEAS. & CARO. | N.E. | GULF |
|----------------|------|----------------|------|------|
| production | 3.8 | .91 | 3.5 | 5.6 |
| half-shell | .19 | .054 | 3.1 | 2.1 |
| % | 4.86 | 5.95 | 90.2 | 38.0 |

Eastern Oyster (cumulative)

| | | | |
|------------|---------------------|--|------------|
| Total | 10,020,856 | | |
| Half-Shell | 5,326,113 | | |
| | 53.2 % half-shell * | | |
| | 29,957,000 (1987) = | | 15,937,124 |

Pacific Oyster

| | | | |
|------------|---------------------|--|---------|
| Total | 3,817,242 | | |
| Half-Shell | 185,419 | | |
| | 4.86 % half-shell * | | |
| | 9,850,000 (1987) = | | 478,710 |

16,415,834

2. SHELLFISH- (Raw or Partially Cooked) A wider spectrum of pathogens are associated with shellfish, particularly with raw shellfish.

Vibrio infections (non-lethal) - estimated 5000 to 10,000

Vibrio vulnificus - 20 deaths annually (cirrhotics)

Salmonellosis - Estimated cases annually - 100 to 1,000

Acute, non-lethal viruses - Reported cases annually = 4-500
(Norwalk, Norwalk-like) Estimated cases annually = ? but
could be 4,000 to 50,000
These are increasing!

Hepatitis A - Reported cases annually - 10
Estimated cases annually- less than 100
Deaths annually - 1

From GAO Report - Seafood Safety: Seriousness of the Problem and Efforts to Protect Consumers - August, 1988 - to the Chairman, Subcommittee on Commerce, Consumer and Monetary Affairs, Committee on Government Operations, House of Representatives

Comparison of Reported Seafood Illness Outbreaks, Cases, and Deaths With All Food Illness for the Period 1978-1984 (Compiled by GAO from CDC published & unpublished data)

| <u>Categories</u> | <u>Seafood-related Illness</u> | <u>All Food-related Illness</u> | <u>Seafood as % of all food</u> |
|-------------------|------------------------------------|-------------------------------------|---|
| Outbreaks | 368 | 3,770 | 9.76 |
| Cases | 5,080 | 100,166 | 5.07 |
| Deaths | 5 | 141 | 3.55 |

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RECREATIONAL FISHERIES COMMITTEE

MINUTES

**Tuesday, March 13, 1990
Orange Beach, Alabama**

RECREATIONAL FISHERIES COMMITTEE
MINUTES
Tuesday, March 13, 1990
Orange Beach, Alabama

Chairman Virginia Vail called the meeting to order at 8:00 a.m.
The following members and others were present:

Members

Virginia Vail, FDNR, Tallahassee, FL
Tom Van Devender, MDWFP, Biloxi, MS
Ron Schmied, NMFS/SERO, St. Petersburg, FL
John Brown, USFWS, Atlanta, GA
Conrad Fjetland, USFWS, Albuquerque, NM
Hal Osburn, TPWD, Austin, TX
Villere Reggio, MMS, New Orleans, LA
Vernon Minton, ADCNR, Gulf Shores, AL
Lou Villanova, USFWS, Atlanta, GA
Mike Leech, IGFA, Miami, FL
John Roussel, LDWF, Baton Rouge, LA
Dean Parsons, NMFS, Silver Spring, MD

Staff

Larry B. Simpson, Executive Director
Ronald R. Lukens, Assistant Director

Others

Gary Tilyou, LDWF, Baton Rouge, LA
Eugene Nakamura, NMFS, Panama City, FL
Bob Shipp, USA, AGCCA, Mobile, AL
Charlie Mesing, FGFWFC, Tallahassee, FL
Jim Murray, UNC Sea Grant, Raleigh, NC
Jim Barkuloo, USFWS, Panama City, FL
Richard Applegate, USFWS, San Marcos, TX
Terry Stelly, TPWD, Rockport, TX
Kevin Hunt, TAMU, College Station, TX
Walter Tatum, ADCNR, Gulf Shores, AL
Mike Liffmann, LA Sea Grant, Baton Rouge, LA
Ed Joyce, FDNR, Tallahassee, FL
Richard Permenter, Senator John Breaux's Office, Washington, DC
Ron Essig, NMFS, Silver Spring, MD
I. B. "Buck" Byrd, NMFS/SERO, St. Petersburg, FL
Bob Ditton, TAMU, College Station, TX
Maury Osborn, TPWD, Austin, TX
Bob Muller, FDNR/FMRI, St. Petersburg, FL
Lee Green, TPWD, Rockport, TX
Terry Cody, TPWD, Rockport, TX
Leroy Kiffe, GSMFC Commissioner, Lockport, LA

Adoption of Agenda

The agenda was unanimously adopted as presented.

Approval of Minutes

* R. Schmied made a motion to approve minutes from the last meeting. The motion was seconded and passed unanimously.

FWS Recreational Fisheries Policy

J. Brown provided a status report on the FWS Recreational Fisheries Policy. The Policy was developed as a follow-on to the National Recreational Fisheries Policy, an initiative that was spearheaded by the FWS. The Policy was approved by the FWS Director in early December. Photocopies were made available to the Committee. The finished copies will be available as soon as they come back from the printer.

The FWS Policy has four main goals. They are:

- 1) Affect the preservation and increase the productivity of fishery resources.
- 2) To assure and enhance the quality, quantity, and diversity of recreational fishing opportunities.
- 3) Develop and enhance partnerships including governments and the private sector for conserving and managing recreational fisheries.
- 4) To cooperate to maintain a healthy recreational fisheries industry.

The FWS has made a commitment to continue and improve management of its wildlife refuges. A work group has been appointed to facilitate implementation of the Policy. The group is made up of FWS personnel and outside groups.

Status of Proposed EIS on Wallop-Breaux Program

J. Brown provided a status report on the FWS initiative to develop an environmental impact statement regarding the operation of the Sport Fish Restoration Program. The original EIS was intended to last ten years. That time has elapsed and the Program must now be reviewed. A decision has been made to develop a supplement to the current EIS rather than a completely new EIS. It is being prepared by a contractor, and is expected to take 24 months to complete. Brown distributed a list of

alternative actions. A "no change" alternative is included, as earlier requested by the Committee. The public and interested parties will be able to review and provide comment on the draft document.

Status of "Constituency Survey" Report

As a programmatic part of the Committee's 1989 activities, a survey questionnaire was mailed out to a list of fishing tournament directors, fishing and environmental club presidents, and outdoor media individuals asking a series of questions about the National Recreational Fisheries Policy, environment problems, and fisheries management agencies organizations, and programs. R. Lukens reported that a disappointing 8.6% return rate of questionnaires resulted. The report on the survey was mailed out to the Committee in near-final draft form prior to the meeting. A discussion ensued regarding the validity of the results and the possible reasons for the lack of responses. It was determined that Committee members would review the draft report and provide final comments to Lukens by April 13.

Further, the Committee had made plans to follow up this survey with another survey which would ask specific questions about state resource management agency programs. In light of the poor response from the first effort the Committee chose to discontinue plans for the follow-up survey and opted to make some effort to determine what caused the first survey to yield such a poor number of responses. Several options were discussed, ranging from sending a letter to the survey mailing list to ask why they did not respond to calling that group of people together for a meeting. Another suggestion was to invite selected individuals from among the survey group to hold a panel discussion on major issues from the user and management perspectives.

1990 Contract (Wallop-Breaux) Requirements

Lukens reported that there are two contract requirements for 1990 which the Committee will need to address. The first is the final formulation of the Artificial Reef Subcommittee. Upon completion of the formulation of the Subcommittee, they will need to address the next contract requirement which is the formulation of a comprehensive data base on all permitted artificial reef sites in the Gulf of Mexico. The

results will appear in publication form and will be housed on computer in the GSMFC offices for periodic update.

Lukens indicated that the survey to follow on the original constituency survey is listed in the contract with the FWS. The Committee determined not to go forward with the proposed survey, and Lukens indicated that the contract would have to be amended to allow for that change. Also a replacement activity would need to be included. R. Schmied suggested that a transmittal letter be developed along with the final copy of the original survey report which summarized the thinking of the Committee with regards to how the survey was conducted, why the survey was conducted, and the utility of the final product. It was suggested that each of the 170 survey recipients receive a copy of the final survey report. Lukens suggested sending a short form to determine why recipients did not respond. Also a future project suggestion is to develop a profile of state and federal education and information programs.

A Policy and Management Assessment of Southeast and Mid-Atlantic Artificial Reef Programs

Jim Murray, Director of the Marine Advisory Service of the UNC Sea Grant College Program, provided a presentation to the Committee on a project to assess policy and management aspects of southeast and mid-Atlantic artificial reef programs. Murray personally interviewed artificial reef managers from 12 states to determine major problems, successes, and suggestions for improvement regarding management of state artificial reef programs. Murray used five categories through which to acquire information and formulate recommendations. Those categories are:

- 1) Administration
- 2) Budget
- 3) Siting/Construction
- 4) Promotion/Education
- 5) Evaluation

The results from the survey can provide useful information to artificial reef managers as to management problems and solutions from neighboring programs.

Artificial Reef Subcommittee

As a part of the 1990 contract requirements for the Wallop-Breaux Administrative Program, the Recreational Fisheries Committee embarked on the development of a subcommittee to address major issues regarding development and management of artificial reef programs in the Gulf of Mexico. The Committee agreed on the following seats, some of which already have a person appointed to serve:

- 1) Texas Parks and Wildlife Department - Dianne Stephan
- 2) Florida Department of Natural Resources - Virginia Vail
- 3) Alabama Department of Conservation and Natural Resources - Vernon Minton
- 4) Louisiana Department of Wildlife and Fisheries - Rick Kasprzak
- 5) Mississippi Department of Wildlife, Fisheries and Parks - Pending
- 6) Southeast Regional Office of the National Marine Fisheries Service - Pending
- 7) Sport Fishing Institute, Artificial Reef Development Center - Pending
- 8) Gulf of Mexico Fishery Management Council - Pending
- 9) Atlantic States Marine Fisheries Commission, Artificial Reef Committee - Pending.

* R. Schmied made a motion to have the Subcommittee develop a data base which profiles all permitted artificial reef sites in the Gulf of Mexico as their first task. The motion was seconded and passed unanimously. During the first meeting of the Subcommittee, which will be set up by Lukens, an orientation/organizational session will be provided. R. Schmied also made a motion that the Subcommittee identify and prioritize issues of importance to the Subcommittee. The motion was seconded and passed unanimously.

The Committee was informed that FWS Region 4 Federal Aid Office is interested in holding a workshop to discuss artificial reef issues. Participants would be state federal aid coordinators and artificial reef coordinators. Bob Cooke of FWS will contact the intended participants and provide more detail on the proposed workshop.

Major Issues and Guest Speakers

Chairman Vail introduced the topic recalling that the Committee had previously discussed the possibility of having guest speakers provide presentations to the Committee on major issues which affect fishing and fisheries management. Some examples are fisheries economics and sociology. R. Schmied referred back to the Committee's formulation of the Areas of Concern. They are:

- 1) Environmental Issues
- 2) Recreational Fisheries Research
- 3) Fisheries Management Issues
- 4) Recreational Fishing Opportunities
- 5) Angler Information and Education
- 6) Funding Opportunities.

Schmied suggested that the six Areas of Concern be rediscussed at the next meeting to make sure that the Committee is not getting away from that original guidance.

* H. Osburn made a motion that the Committee invite Dr. Bob Ditton to the next meeting to discuss the sociological aspects of fisheries management. He could also review our "Constituency Report" and educate the Committee as to what was done wrong or right and how to approach a similar effort. The motion was seconded and passed unanimously.

Other Business

D. Parsons, NMFS, updated the Committee on the status of the NMFS Recreational Fisheries Action Plan. Reviews have been completed and will be submitted to Dr. Bill Fox, head of NMFS, for his signature.

R. Schmied expressed his opinion that the state/federal program updates were a beneficial agenda item and suggested that they be included in future meetings. Schmied provided a short report on the recreational fisheries management activities of the NMFS Southeast Regional Office.

* H. Osburn pointed out that the present meeting was Lou Villanova's last meeting due to his retirement from the FWS at the end of March. Osburn made a motion that the GSMFC write a letter to the FWS Region 4 office commending Lou for his many years of valuable service to the

states of the Gulf of Mexico region and particularly for his valuable participation on the Recreational Fisheries Committee. The motion was seconded and passed unanimously.

V. Reggio provided a report on a project to challenge recreational boaters to make a commitment to bring back all garbage items and dispose of them landside. He reported that funding had not been secured but that there was a great deal of interest in the concept.

R. Lukens reported that the Black Drum Technical Task Force, charged with the development of a Black Drum FMP, had their organizational/orientation meeting and had been given initial tasks for development of the FMP.

Bob Ditton made an announcement that the AFS is sponsoring an international symposium on creel and angler surveys in Houston, Texas during the week of March 26.

There being no further business, the meeting adjourned at 5:00 p.m.

APPROVED BY:


COMMITTEE CHAIRMAN

FISHERY MANAGEMENT COMMITTEE

MINUTES

Wednesday, March 14, 1990
Orange Beach, Alabama

FISHERIES MANAGEMENT COMMITTEE (FMC)
MINUTES
Wednesday, March 13, 1990
Orange Beach, Alabama

Larry B. Simpson called the meeting to order at 1:05 p.m. By consensus, the FMC chose to proceed with L. Simpson as moderator for the meeting. The following persons were in attendance:

Members

Ralph Rayburn, TPWD, Austin, TX (proxy for G. Matlock)
Russel Nelson, FMFC, Tallahassee, FL
Virginia Van Sickle, LDWF, Baton Rouge, LA
Hugh Swingle, ADCNR, Dauphin Island, AL

Members Absent

Vernon Bevill, MDWFP, Jackson, MS

Staff

Larry B. Simpson, Executive Director
Richard L. Leard, IJF Program Coordinator

Others

Vince Guillory, LDWF, Bourg, LA
Phil Steele, FMRI, St. Petersburg, FL
Richard Waller, GCRL, Ocean Springs, MS
Richard Permenter, Staff-Senator John Breaux (LA), Washington, DC
Tom Van Devender, MDWFP, Biloxi, MS
Ed Joyce, FDNR, Tallahassee, FL
Harriet Perry, GCRL, Ocean Springs, MS

Adoption of Agenda

The agenda was adopted with the addition of the Menhaden Advisory Committee report.

Review and Adoption of Minutes

The minutes of the meeting held October 18, 1989, in Biloxi, Mississippi, were adopted as presented.

Review of the Blue Crab Fishery Management Plan (FMP)

The FMC reviewed Sections 12-16 of the plan. P. Steele explained the technical aspects of and the justification for language incorporated on page 12-2 of Section 12.1 (spawner/recruit relationships). R. Nelson questioned the lack of estimates of yield/recruit, MSY and OY. P. Steele and H. Perry explained the TTF rationale in this regard.

R. Nelson further questioned why size of escape panels was not recommended in accordance with the 5" minimum size recommendation (page 14-4). V. Guillory explained and advised of his research in Louisiana to this regard. Further discussion ensued as to the level of specificity of management recommendations in the plan. Other discussion of the plan included overfishing and limited entry considerations.

R. Rayburn questioned the rationale of MSY and OY considerations in the plan. P. Steele and H. Perry explained that traditional calculations were conducted, but due to insufficient data, the TTF rejected its use at this time with this fishery.

L. Simpson reviewed Section 14. Discussion ensued with regard to the 5" minimum size limitation and its rationale. By consensus, the FMC approved the incorporation of the following language to Section 14.2.3.1.2: "Unpublished data from Florida indicates that the 5" carapace width closely corresponds to sexual maturity for most females (Phil Steele, personal communication)."

* After discussion of Sections 15 and 16, H. Swingle moved and V. Van Sickle seconded that the Blue Crab FMP be approved with editorial license to staff. The motion carried without objection.

Administrative Reports - Oyster, Black Drum, and Spanish Mackerel FMPs

R. Leard apprised the FMC of the status of the oyster and black drum FMPs. With regard to the Spanish Mackerel FMP, L. Simpson advised that the Gulf of Mexico Fishery Management Council had requested input from the states as to whether it should drop Spanish mackerel from its Coastal Migratory Pelagics FMP since the GSMFC plan was now complete and operational under the Interjurisdictional Fisheries Program. He further advised that Florida was the only state that had not responded. R. Nelson advised that Florida would likely have a formal response following the Florida Marine Fisheries Commission meeting in April 1990. Other considerations are also pending.

Discussion of Striped Bass FMP

R. Lukens discussed problems with the Striped Bass FMP and recent legal interpretations regarding funding and matching of research projects. He handed out and discussed a proposed technical amendment to the plan. He advised that the amendment was needed to allow Louisiana and Mississippi to apply for and receive 90/10 funding in the current year.

The FMC discussed the appropriateness of the 15" recommended size limit. It was understood that these limits would be addressed in a future amendment now being contemplated.

* After further discussion, R. Nelson moved that the technical amendment be adopted with the deletion of the size limit provision (15"). H. Swingle seconded the motion which carried unanimously.

Menhaden Advisory Committee (MAC) Report - V. Guillory, Chairman

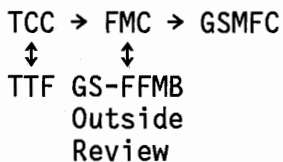
V. Guillory reported on the activities of the MAC. He reviewed the recent instance of a menhaden vessel striking a gas pipeline and noted the committee's discussions regarding inspection and reburying in accordance with applicable law. He presented a proposed resolution to address the problem which was adopted by the MAC.

V. Guillory also reported the MAC's approval of a cooperative research proposal. He described the proposal as a study of gear, gear usage and fishing methods to help find ways of improving efficiency (not increasing catch). He advised that funding of approximately \$5,000 was needed; MARFIN was discussed as a potential funding source but not the only one.

The Menhaden Advisory Committee report was accepted by consensus.

Other Business

R. Rayburn questioned the procedure of seeking public comment on FMPs prior to review and approval by the FMC. The committee then discussed the development and approval process. By consensus, the FMC approved a requirement for FMC formal approval prior to draft FMPs being sent out for public comment and the following changes to the approval process be recommended to the full commission:



There being no further business, the meeting adjourned at 3:30 p.m.

APPROVED BY:


COMMITTEE CHAIRMAN

TECHNICAL COORDINATING COMMITTEE

MINUTES

Wednesday, March 14, 1990
Orange Beach, Alabama

TECHNICAL COORDINATING COMMITTEE
MINUTES
Wednesday, March 14, 1990
Orange Beach, Alabama

The meeting was called to order at 8:15 a.m. by Chairman Ed Joyce with the following persons in attendance:

Members

Walter Nelson, NMFS, Pascagoula, MS
Ralph Rayburn, TPWD, Austin, TX (proxy for C.E. Bryan)
Hal Osburn, TPWD, Austin, TX
Barney Barrett, LDWF, Baton Rouge, LA
Skip Lazauski, ADCNR, Gulf Shores, AL (proxy for V. Minton)
Phil Steele, FMRI, St. Petersburg, FL (proxy for K. Steidinger)
Tom Van Devender, MDWFP, Biloxi, MS
Tom McIlwain, GCRL, Ocean Springs, MS
Walter Tatum, ADCNR, Gulf Shores, AL
Corky Perret, LDWF, New Orleans, LA
Ed Joyce, FDNR, Tallahassee, FL

Staff

Larry Simpson, Executive Director
Ron Lukens, Assistant Director
Rick Leard, IJF Program Coordinator
Ginny Herring, Executive Assistant
Lucia Hourihan, Publication Specialist

Others

John Merriner, NMFS, Beaufort, NC
Larry Lewis, MDWFP, Biloxi, MS
David Etzold, Pass Christian, MS
Lou Villanova, USFWS, Atlanta, GA
Richard Permenter, Staff-Senator John Breaux
Harriet Perry, GCRL, Ocean Springs, MS
Richard Waller, GCRL, Ocean Springs, MS
Jim Lee, DOI, Atlanta, GA
John Fraser, Shell Oil Company, Houston, TX
Jerry Kichner, USCG, Mobile, AL
Bill Whitson, EPA, Bay St. Louis, MS

Adoption of Agenda

The agenda was unanimously adopted with the addition of a report from the Recreational Fisheries Committee.

Adoption of Minutes

The minutes of the October 18, 1989, meeting held in Biloxi, Mississippi, were approved unanimously.

Status Report on Controlled Freshwater Introduction Into Louisiana and Mississippi Marshes

D. Etzold reviewed the status of controlled freshwater diversion structures in Louisiana. He presented a slide presentation of the construction at the Caenarvon structure and noted that this structure is substantially complete. The target date for completion is December 1990 or earlier with the structure being operational (if desired) in January 1991.

D. Etzold discussed the status of the Mississippi/Louisiana estuarine area study (Bonnet Carré Diversion Structure). He noted Governor Mabus' letter and Mississippi's commitment to the project and the inability of Louisiana to fully commit to the project. Also, he referenced the September 28, 1989, letter from Governor Roemer (LA) to Col. Richard Gorski, District Engineer, U.S. Army Corps of Engineers, New Orleans, Louisiana, wherein Governor Roemer requested the Bonnet Carré project be put on hold. He noted that numerous letters including one from GSMFC had been sent to Governor Roemer since the September letter requesting that he rescind it and allow the Bonnet Carré project to proceed.

Additionally, D. Etzold and Victor Mavar attended a meeting on October 31, 1989, with representatives of the COE, Louisiana, and Governor Roemer. Decisions of this meeting led to Governor Roemer's November 9, 1989, letter to Col. Gorski encouraging continued planning and completion of the general design memorandum (GDM) for Bonnet Carré while

Louisiana searches for funding for its share. The GDM is now scheduled for completion by late summer 1990. The project also needs a local cooperative agreement (LCA) from Louisiana by July 1990.

During discussion, D. Etzold also reported that the COE had recently turned down a request by Mississippi to divert a portion of the West Pearl River water to the East Pearl River.

Panel Discussion on Oil Spill Contingency Plans

• Jim Lee, Regional Environmental Officer, DOI, Region IV, Atlanta, Georgia

J. Lee reviewed his agency's role with regard to spills. He discussed the National Contingency Plan (NCP) required by CERCLA (Superfund) and the Clean Water Act and its application to state and federal agencies. He noted that NCP requires planning for emergencies and structuring of response teams. The National Response Team is made up of the 14-15 federal departments and is co-chaired by the Environmental Protection Agency (EPA) and United States Coast Guard (USCG). Thirteen regional response teams are responsible for preparing regional contingency plans, conduct training, and provide assistance to the on-scene coordinator in the event of a spill. Local contingency plans are filed with the local marine safety office (USCG).

He discussed the requirement of the NCP for various federal agencies to serve as trustees for the respective resources that they manage. In so doing, they prepare natural resource damage reports (money estimates) for losses incurred from a spill.

J. Lee also mentioned various specialized plans such as those by each OCS lessee, fish and wildlife refuges (where appropriate), and national parks (as needed). He further reviewed the components of these and other local plans.

J. Lee discussed dispersants and noted the make-up and role of the dispersants work group. He further noted the controversy over using dispersants and the fact that they have not been used in the region. The authority for use is assessed to the on-scene coordinator with permission from the EPA, state(s) affected, DOC, and DOI. He encouraged states to develop their own policy on use of dispersants and to negotiate letters of agreement to govern their use.

• John Fraser, Environmental Advisor, Shell Oil Company, Houston, Texas

J. Fraser reviewed oil spills from an environmental perspective looking at what oil spills are like, what they do, handling options, and limitations. He noted the recent increase in public awareness of spills especially after the Exxon Valdez accident. With regard to the frequency of spills, thousands of small spills occur annually, but on the average, only one major or significant spill occurs each year.

J. Fraser discussed the need for understanding the real problems associated with a spill, what can reasonably be done to lessen impacts, and the time limitations on actions. In assessing a spill, he emphasized the initial need of determining the size and dimensions of a spill and then determining what action is required, if any.

Actions are taken to provide safety first and environmental protection second. Mechanical removal and deployment of dispersants are the two principle activities used to ameliorate the impacts of a spill.

J. Fraser discussed the limitations of mechanical treatment and the processes involved with natural removal. He also emphasized the need for rapid deployment of dispersants whenever their use is approved, otherwise they will be less effective.

He described the decision process of contingency plans for using dispersants and presented a table of habitats wherein dispersants may be used and others where they shall not be used.

• Jerry Kichner, U.S. Coast Guard, Mobile, Alabama

J. Kichner discussed his role as chief of operations with the marine safety office in which he would coordinate actual clean-up operations under direction of the federal on-scene coordinator.

He reviewed the organization of the marine safety office, its duties, responsibilities, and new initiatives. He also compared tanker size and quantity of oil shipped in the Gulf of Mexico with the Exxon Valdez and noted that the Valdez was the 22nd largest spill. With regard to spills, he stated that the occurrence rate in his region (Mississippi, Alabama, Florida) was 5 to 8 minor spills (~~1000~~ 1000 gallons) per year. He opined that since the Exxon Valdez accident, the USCG is more capable of planning for and responding to spills, but it has no better capability to clean-up and lessen the effects of such a spill.

He described mobilization of equipment to a spill as a major problem taking a minimum of two to three hours to get to a site. He discussed pending legislative changes and the need to have state input for contingency plans. He noted that states should prioritize habitats for protection along their

coastlines, and they should have a single contact person (e.g., a governor's representative) to reduce communication error in the event of a spill.

During discussion, Tom McIlwain questioned what could be done to avoid the major problems with response and damage assessment which occurred with the Exxon Valdez, specifically poor communication and coordination among responding agencies and the lack of availability and accessibility of information. It was noted that a number of policy and legislative changes were pending to address these issues and that federal control over tanker activity in the 200 mile EEZ was lacking.

Further discussion ensued on the need for unified and coordinated plans with and among states. B. Barrett also advised of the lack of information on the use of dispersants in shallow waters of the gulf and that special studies may be needed.

Update of EPA's Gulf Initiative

Bill Whitson discussed the purpose and goals of the Gulf of Mexico Program (GOMP) which has evolved from the gulf initiative. He also described the history of its development.

Using a slide presentation, he showed how problems are selected for review under the GOMP. The selection criteria were: (1) the problem is cross-jurisdictional, (2) it poses a threat to beneficial use of gulf resources, and (3) it has a reasonable prospect for solution.

B. Whitson noted that the program utilized a five step development process: (1) define the issues, (2) characterize the issues, (3) assess the availability and appropriateness of information, (4) develop management measures, and

(5) review options. He also defined the three phases of development as establishing institutions, management planning, and implementation. He noted that the GOMP is presently in the management planning phase.

B. Whitson identified a number of the problems being addressed including nutrient enrichment, solid waste, dredging and filling, coastal erosion, seafood, etc. He further noted that the GOMP is administered out of Region IV (Atlanta), but it also involves Region VI (Dallas). Whitson further discussed how program work was accomplished through the coordinated efforts of a policy review board, a technical steering committee, and citizen advisory committees along with various subcommittees.

Subcommittee Reports

• SEAMAP - Walter Tatum, Chairman

W. Tatum noted that sampling plans for 1990 were finalized at a January meeting with NMFS personnel in New Orleans, Louisiana. He further noted that Texas was conducting a bottom longline survey, and the results would be reviewed by the Adult Finfish Work Group later in the year. Also, NMFS will be conducting a fish trap survey of reefs which will be assisted by Alabama in conjunction with artificial reefs off Alabama. He identified plans for the following surveys: Spring Ichthyoplankton, April 20^{may}26, Florida through Texas, targeting blue fin tuna; Summer Groundfish and Shrimp, June 11-July 14, Alabama through Texas; Fall Plankton, September 1-30, targeting king mackerel and red drum; and Fall Shrimp and Groundfish, date not confirmed.

W. Tatum discussed problems with the Polish Sorting Center and efforts to determine their effect on the SEAMAP program. He concluded that present knowledge indicates that samples and payment will continue as before.

Tatum also discussed the five-year plan for SEAMAP and noted publication is scheduled in the next two to three months.

W. Tatum noted that Tom Van Devender resigned as SEAMAP Coordinator with the GSMFC staff, and a search for his replacement had been conducted. Potential candidates were screened with two individuals remaining for consideration. He advised that L. Simpson and himself would interview and select the replacement as soon as possible.

W. Tatum reported that he had been reelected chairman of the SEAMAP Subcommittee and that Richard Waller (GCRL) was elected vice chairman.

• Crab Subcommittee - Harriet Perry, Chairperson

H. Perry reviewed a research proposal for regional tagging and migration studies of blue crabs. The general scope, priority, and funding were discussed. On behalf of the subcommittee, she requested permission from the TCC to proceed with development of the proposal with the intent of submission to MARFIN for funding.

* After much discussion, W. Tatum moved to table the proposal until the next TCC meeting indicating a need for a more specific proposal. C. Perret seconded the motion. H. Perry stated that she would withdraw the request. The motion to table the proposal was voted on and passed although with a dissenting vote by E. Joyce.

H. Perry then reported on the status of larval studies.

• Data Management Subcommittee - Skip Lazauski, Chairman

S. Lazauski reviewed state reports given at the subcommittee meeting. Items of particular interest which were discussed included the Florida trip ticket system, the possibility of Louisiana's initiating shrimp data collection and recreational creel programs via MRFSS, Mississippi's proposal of a 22" minimum size limit for red drum, and the fact that Texas is not getting raw shrimp landings from NMFS.

S. Lazauski summarized the NMFS report of the TIP, red drum tagging, and shrimp data entry/management programs. He reported NMFS may be getting a new mainframe computer; federal confidentiality documents should be out soon; and the charterboat workshop will be held April 24-25, 1990, in Panama City, Florida.

Lazauski requested TCC approval to add Ron Essig, NMFS, to the subcommittee as a nonvoting member.

* W. Tatum moved to accept the report with the addition of R. Essig. T. McIlwain seconded the motion, and the motion carried unanimously.

• Anadromous Fish Subcommittee - Vernon Minton, Chairman (Ron Lukens reporting)

R. Lukens presented "A Proposal for a State-Federal Cooperative Approach to Investigate Factors Responsible for the Decline of Striped Bass Populations in the Gulf of Mexico and Actions to Restore those Populations." On behalf of the subcommittee he requested TCC endorsement to proceed to the GSMFC and allow the development of an action plan (proposal) for funding of a coordinated research project.

* C. Perret moved to endorse development of a proposal to be resubmitted to the TCC at a later date. The motion was seconded by W. Tatum and passed unanimously. It was noted that the GSMFC would also have to approve the concept due to administrative commitments.

R. Lukens presented a document entitled "Technical Amendment to GSMFC Striped Bass Fishery Management Plan, March 15-16, 1990." He stated that the amendment was needed to allow Louisiana and Mississippi to receive 90/10 funding. Without the amendment, new and present interpretations by NOAA General Council would preclude these states from receiving this match rate as was previously allowed. He described the amendment and discussed reasonable assurances for its success.

* C. Perret moved to accept the recommendation. T. McIlwain seconded, and the motion carried unanimously.

On behalf of the subcommittee, R. Lukens requested that the TCC send a letter and endorse the commission sending a letter to the U.S. Fish and Wildlife Service commending Lou Villanova for his many years of dedicated service to fisheries and the GSMFC.

* T. McIlwain moved, and C. Perret seconded that the TCC approve such letters. The motion carried unanimously.

• Habitat Subcommittee - Larry Lewis, Chairman

L. Lewis reported results of three subcommittee efforts. First, he advised that the subcommittee had developed the Oil Spill Contingency Planning Program which was presented during the TCC meeting.

Second, on behalf of the subcommittee, L. Lewis presented a four point resolution outlining the proposed position of the GSMFC and its committees with regard to marsh management.

* C. Perret moved for TCC approval of the resolution, and W. Tatum seconded. The resolution was unanimously sanctioned by the TCC.

Third, L. Lewis reported subcommittee activities addressing state aquaculture programs. He noted that questionnaires were developed and distributed to the states to gain information on individual programs and issues. He presented a draft report entitled "Summary of Aquaculture Programs by State" and requested TCC approval with the addition of an editorial statement to Alabama's section and an appendix listing of state aquaculture coordinators.

* T. McIlwain moved the report be approved with the noted additions, and P. Steele seconded. The motion unanimously carried.

There being no further business, the meeting was adjourned at 12:50 p.m.

ORIGINAL DRAFT RESOLUTION

The Habitat Subcommittee of the Technical Coordinating Committee of the Gulf States Marine Fisheries Commission recognizes that marsh management plans have been developed to address numerous fish and wildlife resource issues in the coastal zone.

Furthermore, we recognize that action on these management plans by member states has been somewhat limited and there is growing concern regarding extensive marsh management proposals.

In view of the importance of our wetlands resources to the fisheries resources of interest to the Commission, the Habitat Subcommittee recommends that the Commission adopt the following position relative to marsh management activities:

The Gulf States Marine Fisheries Commission supports multipurpose marsh management plans that:

1. Maintain the integrity of the wetlands ecosystem and its diversity of fish and wildlife species that utilize these wetlands areas; and
2. Insure to the maximum extent practicable, ingress and egress of marine species into marsh areas affected by marsh management proposals; and
3. Maintain or improve the natural productivity of fish and wildlife resources which utilize the wetlands.

REVISED DRAFT RESOLUTION

The Habitat Subcommittee of the Technical Coordinating Committee of the Gulf States Marine Fisheries Commission recognizes that marsh management plans have been developed to address numerous fish and wildlife resource issues in the coastal zone.

Furthermore, we recognize that action on these management plans by member states has been somewhat limited and there is growing concern regarding extensive marsh management proposals.

In view of the importance of our wetlands resources to the fisheries resources of interest to the Commission, the Habitat Subcommittee recommends that the Commission adopt the following position relative to marsh management activities:

The Gulf States Marine Fisheries Commission supports marsh management plans that:

1. Maintain the integrity of the wetlands ecosystem and its diversity of fish and wildlife species that utilize these wetlands areas; and
2. Insure ingress and egress of marine species into marsh areas affected by marsh management proposals; and
3. Enhance altered or degraded wetlands to more naturally productive conditions; and
4. Maintain or improve the natural productivity of fish and wildlife resources which utilize the wetlands.

R E S O L U T I O N

WHEREAS, the Habitat Subcommittee of the Technical Coordinating Committee of the Gulf States Marine Fisheries Commission recognizes that marsh management plans have been developed to address numerous fish and wildlife resource issues in the coastal zone,

WHEREAS, the TCC Habitat Subcommittee further recognizes that action on these management plans by member states has been somewhat limited, and there is growing concern regarding extensive marsh management proposals,

WHEREAS, in view of the importance of our wetlands resources to the fisheries resources of interest to the commission, the TCC Habitat Subcommittee recommends that the commission adopt the following position relative to marsh management activities,

THEREFORE BE IT RESOLVED, that the Gulf States Marine Fisheries Commission supports marsh management plans that:

- (1) maintain the integrity of the wetlands ecosystem and its diversity of fish and wildlife species that utilize these wetlands areas,
- (2) insure ingress and egress of marine species into marsh areas affected by marsh management proposals,
- (3) enhance altered or degraded wetlands to more naturally productive conditions, and
- (4) maintain or improve the natural productivity of fish and wildlife resources which utilize the wetlands.

Given this the ____ day of _____ in the year of Our Lord, One Thousand, Nine Hundred, Ninety.

Thomas A. Gollott, Chairman

APPROVED BY:


COMMITTEE CHAIRMAN

COMMISSION BUSINESS MEETING - PART I

MINUTES

Thursday, March 15, 1990
Orange Beach, Alabama

COMMISSION BUSINESS MEETING
MINUTES - PART I
Thursday, March 15, 1990
Orange Beach, Alabama

The meeting was called to order at 8:10 am by Vice Chairman Don Duden. He requested the Executive Director to call roll and review pertinent rules and regulations regarding the appropriate meeting procedure.

L. Simpson established a quorum. The following Commissioners and/or proxies were present:

Members

| | |
|---------------------|----|
| Hugh A. Swingle | AL |
| John Ray Nelson | AL |
| Taylor Harper | AL |
| Don Duden | FL |
| Virginia Van Sickle | LA |
| Charles Belaire | TX |
| Ralph Rayburn | TX |
| Vernon Beville | MS |
| Rudy Lesso | MS |
| Tommy Gollott | MS |

Other persons attending were:

Staff

Larry B. Simpson, Executive Director
Ron Lukens, Special Assistant to the Director
Richard Leard, Program Coordinator
Lucia Hourihan, Publication Specialist
Ginny Herring, Executive Assistant
Cindy Dickens, Staff Assistant
Nancy Marcellus, Staff Assistant
Eileen M. Benton, Administrative Assistant

Other

Conrad Fjetland, USFWS, Albuquerque, NM
I. B. Byrd, NMFS/SERO, St. Petersburg, FL
Ed Joyce, FDNR, Tallahassee, FL
Lou Villanova, USFWS, Atlanta, GA
Walter Nelson, NMFS, Pascagoula, MS
John Merriner, NMFS, Beaufort, NC
Tom Van Devender, MDWF&P, Biloxi, MS
Chris Nelson, Bon Secour Fisheries, Bon Secour, AL

Other (cont.)

Janay Irwin, Bon Secour Fisheries, Bon Secour, AL
Albert King, Quality King, Biloxi, MS
Phil Steele, FDNR, St. Petersburg, FL
Dean Parsons, NMFS, Washington, D.C.
Jerald K. Waller, ADCNR, Dauphin Island, AL
Mr. and Mrs. Ramon Saldiuar, Bon Secour Fisheries, Bon Secour, AL
Lois and Leon Ewing, Bon Secour Fisheries, Bon Secour, AL
John Lambeth, Sun Herald, Gulfport, MS
John Andrew Nelson, Bon Secour Fisheries, Bon Secour, AL
Joe Ladnier, Sea Pearl Seafood
Gilbert Castelin
Jeff Neiler
Barney Barrett, LDWF, Baton Rouge, LA
Mark Collins, USFDA, Atlanta, GA
Joe Gill, Jr., DWF&P/BMR, Biloxi, MS
Sheldon Schliper, Bon Secour Fisheries, Bon Secour, AL
Norman Schliper, Bon Secour Fisheries, Bon Secour, AL
Susan Buck, Bon Secour Fisheries, Bon Secour, AL

L. Simpson reviewed voting procedure. Voting is by individual Commissioner. If there is a question about the vote each state delegation shall cast one vote. If only two Commissioners are present from a state, they must agree or their vote is canceled. If only one Commissioner from a state is present, they cannot vote.

L. Simpson briefed the Commissioners on procedures for closed meetings and changes to rules and regulations. A closed meeting can be held to discuss personnel, legal issues or other issues of a sensitive nature. Changes to the Commissioners Rules and Regulations may be made at any meeting provided due notice has been given in the call for the meeting.

Adoption of Agenda

The agenda was adopted with the following changes. Addition of nominations for "Charles H. Lyles Award", and move Item 15 (Shellfish Sanitation Program) to 2:00 pm on the agenda.

Adoption of Minutes

The minutes of the October 19-20, 1989 meeting held in Biloxi, Mississippi were approved as presented.

Technical Coordinating Committee (TCC) Report

E. Joyce reported that the TCC met on Wednesday, March 14, 1990. Items discussed included the status of controlled freshwater diversion structures. He reported that the Caenarvon site was scheduled for completion in 1990 and would be operational by early 1991.

The TCC also received a panel discussion on oil spill contingency plans. The discussion lasted one hour and forty-five minutes and included experts from the Department of Interior, U.S. Coast Guard and the oil industry. Government support was outlined and industry representatives described spills and procedures necessary for clean-ups. The Habitat Subcommittee may address plans for the states in the event of oil spills.

B. Whitson, Environmental Protection Agency (EPA) presented the purpose and goals of the EPA's Gulf Initiative and the status and rationale for focusing on the Gulf. He identified and discussed the roles and make-up of the initiative.

The TCC also received status reports from the SEAMAP, Crab, Data Management, Anadromous and Habitat Subcommittees. Of particular interest was the draft report by the Habitat Subcommittee on aquaculture programs in the various states.

On behalf of the TCC, E. Joyce recommended that Ron Essig be added as a non-voting member to the Data Management Subcommittee; that the Anadromous Fish Subcommittee develop a more detailed proposal to seek emergency funding under the Anadromous Fish Act; that the Commission approve a technical amendment to the GSMFC Striped Bass FMP to assist the states with funding problems; that the Commission send a letter to USFWS in recognition and appreciation of Lou Villanova upon his retirement for his many years of service and involvement in TCC and Commission activities; and, that the Commission support a resolution (Attachment A) from the Habitat Subcommittee regarding marsh management.

* J. R. Nelson motioned to approve the TCC report and recommendations. H. Swingle seconded. The motion carried.

Law Enforcement Committee (LEC) Report

J. Waller reported that the LEC met on Tuesday, March 13, 1990. Items discussed included changes to the Magnuson Fishery Conservation and Management Act (MFCMA) that would allow states to share in revenues gained from enforcement violations; status of Black Drum and Oyster FMP Task Force meetings; interstate trafficking in stolen boats; and, status of the State Law/Regulation Summary. It is hoped that the summary will be available in October 1990.

J. Waller reported that the LEC will address a request from the five State Directors for specific information and legislation regarding interstate transport of seafood/aquaculture products. The LEC will meet during the Interstate Shellfish Sanitation Conference (ISSC) held in

California during July 1990 to come up with recommended language for interstate regulations. On behalf of the LEC, J. Waller requested GSMFC staff assistance for this project.

* H. Swingle motioned to direct the Executive Director to seek the assistance requested by the LEC through contacts with the Pacific Marine Fisheries Commission or California Game and Fish. If unavailable the Executive Director will provide GSMFC staff assistance. J. R. Nelson seconded. The motion carried.

* V. Bevill motioned to approve the LEC report. R. Lesso seconded. The motion carried.

Recreational Fisheries Committee (RFC) Report

E. Joyce reported that the RFC met on Tuesday, March 13, 1990. Major highlights were distribution of the final draft of the Constituency Report for review and recommended follow-up action and confirmation of membership for the Artificial Reef Subcommittee and recommendation to proceed with organizational meeting. On behalf of the RFC, E. Joyce requested the Commission send a letter to USFWS in recognition and appreciation of Lou Villanova for his valued assistance and participation in RFC activities upon his pending retirement.

* The RFC report and request were approved unanimously.

Industry Advisory Committee (IAC) Report

L. Simpson reported that the IAC met on Tuesday, March 13, 1990. He made several recommendations on behalf of the Committee. They

included a request that the Commission send a letter to the Gulf Congressional Delegation regarding the U.S. seafood industries position with respect to seafood inspection and their reservations about H.R. 3155 (revised letter - Attachment B).

* J. R. Nelson motioned to approve the letter as revised by Commissioners. C. Belaire amended the motion to include a request to the states and other Commissions regarding their support of the letter. H. Swingle seconded. The motion carried.

At the request of the Menhaden Advisory Committee (MAC), the IAC drafted a letter and resolution regarding their concern about the potential for ecological and vessel safety disasters which might occur as a result of exposed oil and gas pipelines in the marine waters of the Gulf of Mexico. As a result of discussion regarding the letter, resolution and concerns, the Executive Director was directed to combine the letter and resolution, include Commissioners discussion points and resubmit later during the meeting for action. The letter was redrafted (Attachment C) at a later time.

* H. Swingle motioned to send the letter. V. Bevill seconded. The motion carried.

V. Van Sickle will attend a public hearing regarding the pipeline problem and will testify on behalf of the State of Louisiana and the Commission.

Other issues addressed at the IAC were problems with the use of salt boxes on bycatch. The IAC suggested that the Commission address this problem and other concerns regarding bycatch in the shrimp industry

during a General Session. After discussion, it was determined that the TCC would be an appropriate forum to explore the bycatch problems caused by the use of salt boxes. It was also determined that a General Session on bycatch would not be an appropriate mechanism to address these problems at this time.

* H. Swingle motioned to approve the report. J. R. Nelson seconded. The report was approved unanimously.

Discussion of Mission Statement for Each Committee and Subcommittee

After discussion it was determined that each committee and subcommittee of the Commission would develop a clearly defined mission statement that would be reviewed periodically by the Commission to assure compliance. In addition the purpose and responsibility of each committee and subcommittee would be defined. Each committee and subcommittee will address these items on their next meeting agenda so that they can present it to the Commissioners for review and approval at the next regularly scheduled Business Meeting.

Fishery Management Committee (FMC) Report and Recommendations

L. Simpson briefed the Commissioners on the development of the Blue Crab FMP, from technical task force through FMC. He stated that all stages of the approval process had been completed up to the FMC. The FMC had reviewed the final draft on Wednesday, March 14, 1990. D. Duden explained that the FMC had recommended approval with minor editorial changes.

* H. Swingle motioned to adopt the Blue Crab FMP with FMC recommended changes. J. R. Nelson seconded. D. Duden called for a vote by state. The Blue Crab FMP was adopted by a unanimous vote.

The FMC also recommended changes to the Fishery Management Plan Development and Approval Process. Basically the change was a minor change to the flow chart (Attachment D). The GS-FFMB will review the draft plans at the same point in time as the Committees and other entities, as required.

* H. Swingle motioned to approve changes to the FMP Development and Approval Process as presented by the FMC. J. R. Nelson seconded. The motion carried. (NOTE: During the second day of the Commission Business Meeting a motion was made and approved to abolish the GS-FFMB and to change the name of the FMC to State-Federal Fishery Management Committee.)

Other business addressed by the FMC was their endorsement of a proposal by the Anadromous Fish Subcommittee to begin the amendment process to the Commission's Striped Bass FMP. The amendments would address a ruling by NOAA Counsel that the FMP does not meet 90-10 funding requirements for the states under the Anadromous Fish Conservation Act. The Commission was unaware of this problem and hopes that a technical amendment would address NOAA's concern and meet the requirements for 90-10 funding. It will mainly address regulatory requirements. It was pointed out that the FMP approval process, based on the Anadromous Fish Conservation Act, differs from the Commission's flow chart.

* H. Swingle motioned to approve the Anadromous Fish Subcommittee's proposal. V. Van Sickle seconded. The motion carried.

L. Simpson stated that the Menhaden Advisory Committee (MAC) reported to the FMC. No action was required.

* H. Swingle motioned to approve FMC report. V. Van Sickle seconded. The motion carried.

Administrative Report

- Financial Status

L. Simpson reviewed the financial status of the Commission. For the period October 1, 1989 through December 31, 1989 the operating funds of the Commission reflects a savings of \$11,900. Copies of the FY90 budget were made available. This budget covers the period January 1, 1990 through December 31, 1990 and was approved by mail ballot in late January 1990. The FY90 budget includes a MARFIN grant and contains no personnel increases other than the increase that was approved for R. Lukens in October 1989. He also reported that cooperative agreements for SEAMAP and Interjurisdictional Fisheries Program are expected to be received in the Commission office shortly with start dates of February 1 instead of the requested January 1, 1990. He feels positive that efforts to amend these agreements to reflect a January 1 start date will be accomplished.

- Programmatic Status

L. Simpson briefed the Commissioners on the status of the various state-federal programs that the Commission is currently involved in.

Wallop-Breaux has been approved for three years. Year I funding is in the amount of \$127K. Major initiatives include data collection, amendments to the Striped Bass FMP and several activities of the Recreational Fisheries Committee.

The Commission continues to administer SEAMAP support for the states. Current year funding is \$93K. The Executive Director is currently working with the Chairman of the SEAMAP Subcommittee to replace T. Van Devender as SEAMAP Coordinator. T. Van Devender left the position to work as Chief of Saltwater Division for Mississippi Department of Wildlife, Fisheries and Parks.

The Commission will receive \$110,000 to continue interjurisdictional fisheries management planning in FY90. R. Leard replaced S. Meyers on January 9, 1990. The Blue Crab FMP is now final. Progress continues on the FMP for oysters. An October 1990 completion date is anticipated. An organizational meeting for Black Drum was held in February 1990, this group hopes to have a draft completed in March 1991 for Commission review. L. Simpson stated that questions concerning state apportionment have not been cleared up but he will keep the states informed.

The Council liaison contract was awarded for FY90 in the amount of \$25,000. Due to delays in FY89 documents, the Commission returned \$750 for personnel expenses incurred for the period January 1-22, 1989.

The Commission was awarded a contract for administrative support of the MARFIN Management Board. The contract amount is \$43,600 with travel in the amount of \$30,000 being handled on a cost reimbursement basis. The time frame for this award is March 1 through December 31, 1990.

- Problems Regarding Financial Assistance

L. Simpson described the consolidation of DOC grants function, which is now located in Rockville, Maryland. The new office (Grants Management Division) is under National Capital Administrative Support Center (NCASC). Problems still exist but some progress seems to be in the works. A handbook to assist recipients should be available soon. NCASC is initiating a newsletter in March 1990 and planning a workshop for late spring or early summer. L. Simpson has met with the new personnel at NCASC and received some information as to how documents will be handled - hopefully within a 75 to 120 day time frame. Although problems have not yet been addressed, he continues to work with the other Commissions (Atlantic and Pacific) to seek solutions. Current efforts to seek assistance through the Secretary of Commerce continue. Contacts at the NOAA policy level continue. It was the consensus of the Commissioners that L. Simpson continue joint efforts with the other Commissions and to keep the states informed. He will keep DOC informed of state problems as well.

* V. Van Sickle motioned to direct the Executive Director to prepare a letter for all Commissioners signature regarding grant problems, but to be positive and offer our assistance in finding a mutually beneficial solution. R. Rayburn seconded. The motion carried.

- FY90 Federal Budget

L. Simpson reported that Congress appropriated \$187 million for FY90, restoring \$88 million to the administrations \$99 million request for NMFS. The FY91 request is \$153.6 million, reflecting a 17% cut. Requested enhancements in the amount of \$10.2 million include \$4.2 million for Alaskan groundfish and \$3 million for Marine Mammal Protection Act. He reported that there were no industry grants and all Saltonstall/Kennedy funds will be used to offset NOAA's budget.

Shrimp Sampling Techniques and Net Size for Five Gulf States

L. Simpson provided copies of an article published by GSMFC in 1985 entitled, "SEAMAP Shrimp and Bottom Sampling Gear Workshop". The article presents an overview of the assessment and monitoring programs conducted in the Gulf of Mexico. Discussion includes shrimp, groundfish and crab assessment programs and identifies gear and vessels. No action was required.

Count Size on White Shrimp

L. Simpson led a brief discussion outlining the count size on white shrimp in the various states. A Council amendment regarding white shrimp has been sent to the Federal Register on March 5, 1990. It states that white shrimp landed in or possessed in state waters of Louisiana must be in accordance with state law. In Louisiana that is 100 count heads on or larger. Comments to the Federal Register must be submitted by March 19.

* V. Van Sickle motioned to direct the Executive Director to endorse the Federal Register notice. Without objections the motion carried.

Debris Removal After Oil/Gas Platform Removal

A brief discussion regarding past problems with debris removal after oil platforms were removed, indicated that dangers to the fishing industry exist. New procedures for certifying debris removal are being implemented. Commission staff will monitor these new procedures and report back to the Commission in eight months.

Closure of Louisiana Federal Waters for Shrimp

L. Simpson led a brief discussion regarding a proposed study to examine impact of a closure in federal waters off of Louisiana for shrimp. V. Van Sickle stated that the purpose of the closure would be informational only. She stated that industry wanted to see if it would be beneficial. The Council may expand the study to see if a need exists off of Alabama and Mississippi. J. R. Nelson pointed out that not all industry wanted closures. He felt that closures were poor management measures and that the Texas closure had hurt the shrimp industry. He felt that Louisiana shrimpers were mainly concerned with white shrimp and the lack of enforcement during off season.

Several industry members were in attendance and requested permission to comment on the proposed study. R. Rayburn stated that since the Commission had no authority to act on this issue he did not think that their comments were necessary. At J. R. Nelson's request the Commissioners heard brief statements from Albert King (Quality King Seafood), John Andrew Nelson (Bon Secour Fisheries), and Joe Ladnier (Sea Pearl Seafood).

Their statements indicated that closures, as it exists in Texas, has no economic advantage and in fact, encourages imports and pushes prices higher during the closure.

The Commissioners have no authority regarding this issue and no action was taken.

Ad Hoc Committee Report on GSMFC Roles, Responsibilities, Future
Directions and Organization

V. Van Sickle introduced members of the Ad Hoc Committee. They are:

| | |
|-------------------------|----|
| V. Van Sickle, Chairman | LA |
| V. Bevill | MS |
| E. Joyce | FL |
| T. Gollott | MS |
| J. R. Nelson | AL |
| C. Belaire | TX |
| G. Matlock | TX |
| H. Swingle | AL |

V. Van Sickle stated that the full committee had met twice since they were established in October 1989, and had held one work group meeting to address the Commissions Rules and Regulations. The committee was established to evaluate the roles, responsibilities, direction, and organization of the Commission in regards to its operational effectiveness and relevance to current situations.

V. Van Sickle provided the Commissioners with a written report of recommendations developed by the Ad Hoc Committee. Many recommendations had been incorporated in the current meeting and had met with favorable responses. These recommendations included changes in the meeting

program format; following existing voting procedure more closely; and, developing a more effective agenda for the "Commission Business Meeting".

The only recommendations addressed during this session of the business meeting were recommended changes to the Rules and Regulations. Many of these recommendations were minor changes in wording and titles. Some changes were simple updates and clarification points. Major recommendations included:

- A change in the spring meeting dates from the third week in March to the second week in April.
- A change in voting procedure.
- An addition of a Second Vice Chairman.
- A more defined Executive Committee.
- Revisions to the organizational chart.
- A procedure to improve attendance by Commissioners.

All recommendations were discussed in detail and addressed individually. Commissioners proposed some additions to the recommendations and minor changes were voted on. All recommendations and amended recommendations were approved by unanimous vote. A copy of the Rules and Regulations as they were approved are attached (Attachment E).

Shellfish Sanitation Programs

V. Bevill requested a representative from Food and Drug Administration (FDA) attend this meeting to brief Commissioners on shellfish sanitation programs. Questions arise regarding closures,

especially when a closure exists on one side of a state line and not on the other. It appears that different states close for different reasons and use different rules and regulations. V. Bevill feels that there appears to be an inequity to this approach in regards to public health. He hopes that FDA can answer these concerns and provide information so that persons involved in the shellfish industry (state/federal/public/industry) can address these problems.

Mark Collins, Shellfish Specialist, FDA, Atlanta, Georgia introduced himself. He stated that shellfish is a special program under the Public Health Act. The Act calls for a Manual of Operation that provides guidelines for the states. This two volume manual is developed in cooperation with industry, state and federal representatives who provide input into the guidelines as well as proposed changes.

Differences within a state program occur because of individual state ordinances. Guidelines on how to classify water are the same for each state.

Each state determines what affects water quality in their state by their individual methodology. This method is continually refined until a management plan is approved within a state. Evaluation of a body of water is submitted to FDA by a state. Louisiana may evaluate its waters differently than Mississippi. Each state is at different levels of compliance in regards to the Manual of Operation. The level of compliance is confidential and each state's management plan is not shared with other by the FDA. This information may be shared by individual states but is handled confidentially through FDA.

T. Gollott asked if joint management plans are feasible. M. Collins replied that Louisiana and Mississippi had attempted a joint plan in 1985 and again in the Fall of 1989. Attempts were not successful. States must agree on how a body of water is to be evaluated and coordinate state ordinances. He indicated that the same criteria cannot apply to all bodies of water.

T. Gollott suggested that the same criteria could apply to water sharing a common boundary. M. Collins explained that hydrographics determine water quality so it would be possible that a body of water on a common boundary would degrade on one side and not on the other.

Various criteria used by individual states were discussed. Louisiana uses river stage, Mississippi uses rainfall, Florida uses river stage and rainfall, and Alabama uses fecal chloroform count only. All of the above states must use a fecal chloroform count. V. Bevill asked if criteria on specific areas needed to be reclassified. M. Collins stated that it would be difficult since indepth reports and reviews of population growth, shoreline changes, etc. would have to be accomplished first.

V. Bevill asked M. Collins to brief the Commissioners on standards used with imports. He felt this was of major importance to public health since it is estimated that 70% of shellfish are imported.

M. Collins stated that FDA goes to foreign countries to inspect shellfish and standards are the same but an inspection may be easier due to a foreign countries enhanced environment. This is due in part to

COMMISSION BUSINESS MEETING
MINUTES - PART I
Page -18-

smaller populations than exist in the U.S. and in some instances foreign laws require mandatory purification of sewage. Some foreign countries appear to put a great deal of emphasis on the protection and conservation of natural resources.

T. Gollott asked how FDA determines if a plant is in violation. M. Collins explained that federal inspectors work in unison with state inspectors. They use a standard method of inspecting for all FDA Sanitarians and training schools for state personnel. He feels that all Sanitarians should have a strong biological background coupled with a college education.

The first session ended at 5:00 pm

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Ocean Springs, MS 39564
(601) 875-5912
(FAX) 875-6604



Larry B. Simpson
Executive Director

R E S O L U T I O N

WHEREAS, the Habitat Subcommittee of the Technical Coordinating Committee of the Gulf States Marine Fisheries Commission recognizes that marsh management plans have been developed to address numerous fish and wildlife resource issues in the coastal zone,

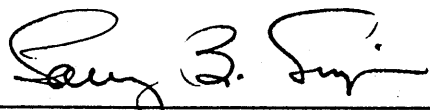
WHEREAS, the TCC Habitat Subcommittee further recognizes that action on these management plans by member states has been somewhat limited, and there is growing concern regarding extensive marsh management proposals,

WHEREAS, in view of the importance of our wetlands resources to the fisheries resources of interest to the Commission, the TCC Habitat Subcommittee recommends that the Commission adopt the following position relative to marsh management activities,

THEREFORE BE IT RESOLVED, that the Gulf States Marine Fisheries Commission supports marsh management plans that:

- (1) maintain the integrity of the wetlands ecosystem and its diversity of fish and wildlife species that utilize these wetlands areas,
- (2) insure ingress and egress of marine species into marsh areas affected by marsh management proposals,
- (3) enhance altered or degraded wetlands to more naturally productive conditions, and
- (4) maintain or improve the natural productivity of fish and wildlife resources which utilize the wetlands.

Given this the 16th day of March in the year of Our Lord, One Thousand, Nine Hundred, Ninety.


Thomas A. Gollott, Chairman

for

- Member States -

Texas

Louisiana

Mississippi

Alabama

Florida

P.O. Box 726
 Ocean Springs, MS 39564
 (601) 875-5912
 (FAX) 875-6604



Larry B. Simpson
 Executive Director

March 26, 1990

The Honorable John D. Dingell
 U.S. House of Representatives
 2221 Rayburn House Office Building
 South Capitol Street and
 Independence Avenue, SE
 Washington, DC 20515

Dear Congressman Dingell:

The Gulf States Marine Fisheries Commission feels that in any federal legislation calling for seafood inspection this industry should not be treated in a more stringent fashion with respect to safety standards in basic food law than other food industries.

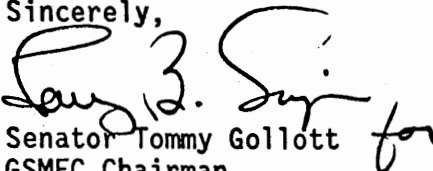
The Commission supports in general the U.S. seafood industry's position with respect to this issue namely:

- 1) any seafood inspection program should be based on a Hazard Analysis of Critical Control Points (HACCP) system;
- 2) funding for inspection should be supported by appropriation like red meat and poultry rather than by user fees;
- 3) imported seafood products shall be inspected at least as stringent as domestic products in the regulations.

Given the above stated positions, the Gulf States Marine Fisheries Commission would like to register our reservations about H.R. 3155 currently being considered in the Congress since the Bill does not adequately address our position with regard to seafood inspection.

Thank you for the opportunity to express our opinion on this significant issue affecting the seafood industry.

Sincerely,


 Senator Tommy Gollott for
 GSMFC Chairman

cc: Congressman Walter Jones
 Congressman E. de la Garza

- Member States -

Texas

Louisiana

Mississippi

Alabama

Florida

P.O. Box 726
Ocean Springs, MS 39564
(601) 875-5912
(FAX) 875-6604



Larry B. Simpson
Executive Director

March 20, 1990

Mr. Travis Dungan
Administrator, Research and Special Programs
U.S. Department of Transportation
400 Seventh Street, SW
Washington, DC 20590

Dear Mr. Dungan:

The Gulf States Marine Fisheries Commission is concerned about vessel safety and ecological disasters which occur as a result of exposed oil and gas pipelines in the marine waters of the Gulf of Mexico. On October 3, 1989, the menhaden vessel NORTHUMBERLAND struck an exposed natural gas pipeline offshore Texas resulting in the deaths of eleven fishermen, the injury of three others and the destruction of the vessel.

Federal law requires that oil and gas pipelines must be buried below the seafloor; however, no inspection program presently exists within the regulatory framework to ensure that pipelines remain buried as required by law. Interaction of the trawling industry and other fisheries and maritime activities, including bottom gear and anchoring, has the potential to cause significant vessel safety and ecological disasters when pipelines are, for whatever reason, exposed above the seafloor.

The Gulf States Marine Fisheries Commission, during its Spring 1990 meeting in Orange Beach, Alabama discussed this issue at length and has some important recommendations to make. First, either through legislation or agency policy, provisions for a mandatory inspection and certification program should be implemented as soon as possible. Such program should be conducted and monitored to ensure that results are in compliance with appropriate federal statutes. The immediate concern, are those pipelines which exist out to a water depth of 22 feet, which should be buoyed or otherwise marked, if found to be exposed, until such pipeline is properly reburied. After addressing the previously stated concern, the mandatory inspection and certification program should apply from the shoreline out to 200 feet of water depth and should require pipeline burial to a depth of three feet below the mud line.

- Member States -

Texas

Louisiana

Mississippi

Alabama

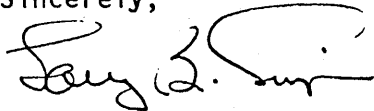
Florida

Mr. Travis Dungan
March 20, 1990
Page -2-

Exposed pipelines constitute a significant hazard to fishing and other maritime vessels and represent a serious ecological threat. Our Commission believes that prompt and thorough attention to this issue is warranted.

Thank you in advance for your attention to this problem. We anxiously await your reply as to possible mechanisms to achieve a solution.

Sincerely,



Senator Tommy Gollott *for*
Chairman

cc: GSMFC Commissioners and Proxies
House Interior and Insular Affairs
House Merchant Marine and Fisheries

March 16, 1990

GULF STATES MARINE FISHERIES COMMISSION
Interjurisdictional Fisheries Management Program

Fisheries Management Plan
Development and Approval Process

The following is a description of the method of fishery management plan (FMP) development and approval to be utilized by the Gulf States Marine Fisheries Commission (GSMFC) for interjurisdictional fisheries management plans.

TECHNICAL TASK FORCE (TTF)

The TTF is composed of one technical specialist representing each gulf state, which will be established as a subcommittee of the Technical Coordinating Committee; additional membership on the TTF must include one representative from the Commercial Fisheries Advisory Committee, the Recreational Fisheries Committee, the Law Enforcement Committee, and experts from other disciplines as needed and appropriate. The TTF is responsible for reviewing all information and data relating to the fishery and for developing a draft FMP synthesizing current knowledge which would include calculations and/or descriptions of maximum sustainable yield (MSY) and optimum yield (OY). The TTF will also develop fishery management scenarios using the best scientific information available. Upon completion of the draft FMP, the TTF will submit the draft to the TCC for review and action. Upon TCC approval, the draft FMP will be submitted to the State-Federal Directors Fisheries Management Committee (S-FDFMC) for all further actions.

STATE-FEDERAL DIRECTORS FISHERIES MANAGEMENT COMMITTEE (S-FDFMC)

This committee will be composed of a core group consisting of the five state marine resources directors or their designees, the National Marine Fisheries Service Southeast Regional Director or his designee, the U.S. Fish and Wildlife Service Regional Director (region 4) or his designee, and the Gulf States Marine Fisheries Service Executive Director as a nonvoting member.

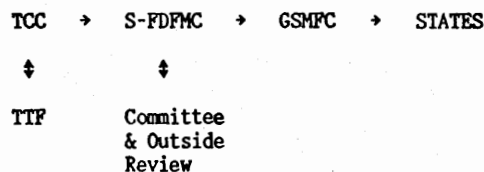
REVIEW AND COMMENTS

Upon their approval, the draft management plan will be sent from the S-FDFMC to the various GSMFC standing committees and selected outside entities for broad review. The recommended changes will be returned to the S-FDFMC. The S-FDFMC will review the draft FMP portion with the suggested management scenarios and will determine the most appropriate management measures that should be adopted for the Gulf of Mexico. The S-FDFMC will then integrate the management measures into a draft FMP.

FINAL APPROVAL

The resulting final FMP will then be sent by the S-FDFMC to the GSMFC for review and action. Action by the GSMFC is limited to approval or rejection of the plan without modification. If rejected, the plan is returned to the S-FDFMC for further consideration. When final majority approval by the GSMFC is reached the plan will be printed and recommendations to each state for implementation will be forwarded to the individual states. GSMFC action has no regulatory authority over the states, and their individual actions are required for implementation.

PLAN DEVELOPMENT AND APPROVAL PROCESS



GULF STATES MARINE FISHERIES COMMISSION
RULES AND REGULATIONS

As adopted October 13, 1949 and amended
October 16, 1975, March 18 and October 21, 1977,
March 16, 1979, March 19, 1982
and March 16, 1990

FOREWORD

In conformity with the provisions of Article V of the Gulf States Marine Fisheries Compact, entered into by and among the states of the Gulf of Mexico as named in said Compact, and assented to by Act of Congress entitled "Joint Resolution granting the consent and approval of Congress to an interstate Compact relating to the better utilization of the fisheries (marine, shell and anadromous) of the Gulf Coast and creating the Gulf States Marine Fisheries Commission," Public Law 66, Eighty-First Congress, approved by the President May 19, 1949, the Gulf States Marine Fisheries Commission hereby adopts the following rules and regulations for the conduct of its business.

ARTICLE I. PURPOSE, DUTIES AND POWERS

Section 1. The Commission shall be designated "The Gulf States Marine Fisheries Commission" in accordance with the Compact and is referred to herein as the Commission. The Commission is composed of three representatives, herein referred to as Commissioners, chosen in accordance with the terms of the Compact from each of the following compacting states: Alabama, Florida, Louisiana, Mississippi, and Texas. The Commission shall add to its body the Commissioners of such other states eligible under Article II of the Compact as shall ratify said Compact, which states shall participate as outlined under Article VIII of the Compact.

Section 2. It shall be the purpose of this Commission (Article I of Compact) to promote the better utilization of the fisheries, marine, shell and anadromous of the seaboard of the Gulf of Mexico by the development of a joint program for the promotion and protection of such

fisheries from any cause, such Compact authority being applicable to fisheries which the Gulf Coast States have proprietary interest in and jurisdiction over in the water within their respective boundaries.

Section 3. Pursuant to Article IV of the Compact, it shall be the duty of the Commission to make inquiry and ascertain such methods, practices, circumstances and conditions as may be disclosed for bringing about the conservation and the prevention of the depletion and physical waste of the fisheries, marine, shell and anadromous, of the Gulf Coast, in order to assure the maximum continuous yield from each of the fishery resources. Recommendations directed to the governors, legislatures, or pertinent administrative agencies of the compacted states (as outlined in Article IV of the Compact); the Congress (as outlined in Article X of the Compact); or such other individuals or groups of individuals not specifically mentioned in the Compact but to whom the Commission elects to direct a recommendation, shall be accomplished through an appropriate medium under the signature of the Chairman. The verity of the Commission transactions shall be established by written report thereof, certified to be the action of the Commission over the signature of its Executive Director.

ARTICLE II. MEETINGS

Section 1. The Commission shall have two regular meetings each year unless changed by unanimous consent of the Commission, one designated as the "Annual Meeting" shall begin during the third week in the month of October and one designated as the "Spring Meeting" shall begin during the second week in the month of April. Meeting dates may be changed by unanimous consent of the Commission. Meetings other than regular meetings shall be designated as Special Meetings. Upon the written request of a majority of the Commissioners of each state from three or more states, the Chairman shall call a Special Meeting of the Commission.

Section 2. Sectional Meetings of the Commissioners of any group of member states having an interest in any species of fish, for the purpose of discussing or making recommendations to the Legislatures of their states in this regard, may be called at any time that the majority of

the Commissioners of each of such states requests in writing to the Chairman that such a meeting be called. The Chairman, upon receiving such written request, shall forthwith call such a meeting at a time and place convenient to such group of states.

Section 3. The Chairman shall cause the Executive Director to notify the Commissioners of the compacting states of all Regular or Special meetings at least two weeks prior to the date of each meeting. A copy of the agenda shall be mailed with such notice.

ARTICLE III. VOTING AND QUORUM

Section 1. Pursuant to the statutes of the several states to which this Compact pertains authority is granted the Commissioner, who in his state directs the activities of the saltwater fisheries administration, to delegate, from time to time, any deputy or other subordinate in his department or office, the power to be present and participate, including voting, as his representative or substitute at any meeting or hearing by or other proceeding of the Commission, provided such delegated authority is attested to in writing by that Commissioner and filed with the Commission Executive Director. Other Commissioners of the several states may delegate proxies in the same manner and upon the same powers as heretofore stated. Voting in any meeting shall be by state Commissioners with one vote each. In the event of any dissenting vote, then each state delegation to the Commission shall cast one vote, determined by the majority of its delegates. If only one Commissioner from a given state is present, his/her vote shall be representative of that state. Upon the request of any Commissioner, a recess shall be declared by the Chairman for the purpose of allowing that state to caucus for a reasonable length of time in order to determine its vote on any specific issue. The representation at any meeting by three or more states shall constitute a quorum for the transaction of any Commission business. The representation at a Sectional Meeting of two or more states having an interest in any species of fish shall constitute a quorum at such meeting of the Commissioners called for the purpose of considering such interest.

Section 2. Pursuant to Article XI of the GSMFC Compact, if a Commissioner is absent from two consecutive GSMFC Business Meetings, the Chairman will notify that Commissioner bringing the absence to his/her attention. Upon absence from three consecutive Commission Business Meetings, the Chairman will notify the appropriate appointing body of said Commissioner's absence and suggest that consideration be given to replace said Commissioner. This provision is also applicable to the designee for the state resource agency head as provided for in Article IV, Section 3, of the Rules and Regulations.

ARTICLE IV. OFFICERS AND COMMITTEE

Section 1. The officers of the Commission shall consist of a Chairman, a First Vice-Chairman and a Second Vice-Chairman. In the temporary absence of the Chairman, the First Vice-Chairman shall have the power and authority of the Chairman, and in the event the Chairman ceases to be a Commissioner, the First Vice-Chairman shall automatically become Chairman of the Commission. In the absence of both the Chairman and the First Vice Chairman, the Second Vice-Chairman shall preside. No proxy, except as provided in Article IV, Section 3, shall serve as Chairman, First Vice-Chairman, or Second Vice-Chairman.

Section 2. The Chairman and two Vice-Chairmen shall normally be elected at the Annual Meeting and shall serve until their successors have been duly elected and qualified, but may be elected at a Regular or Special Meeting of the Commission should vacancies occur provided due notification of such election is served as provided for in Article II, Section 3, of these Rules and Regulations.

Section 3. The official designated as proxy for the resource agency Commissioner, may serve as Chairman, First Vice-Chairman or Second Vice-Chairman if elected in accordance with Article IV, Section 2. This proxy usually holds a supervisory position over marine fisheries in the resource agency and may serve on a permanent basis for the agency Commissioner that chooses to assign this responsibility to that position.

Section 4. The Executive Director shall be appointed by resolution of the Commission and hold office during the pleasure of the Commission.

He shall be the executive officer of the Commission and in addition shall perform all duties customarily performed by an Executive Director. He shall keep all records of the Commission's business and meetings, and its finances, supervise and direct any staff and under the guidance of the Chairman, arrange all affairs of the Commission. The duties and responsibilities of the Executive Director shall be established by the Executive Committee and approved by the Commission.

Section 5. The Commissioners of any group of states, meeting to discuss any species of fish in which these states have an interest, shall choose one of their members to preside at such meetings if the Chairman or either Vice-Chairmen of the Commission is not present.

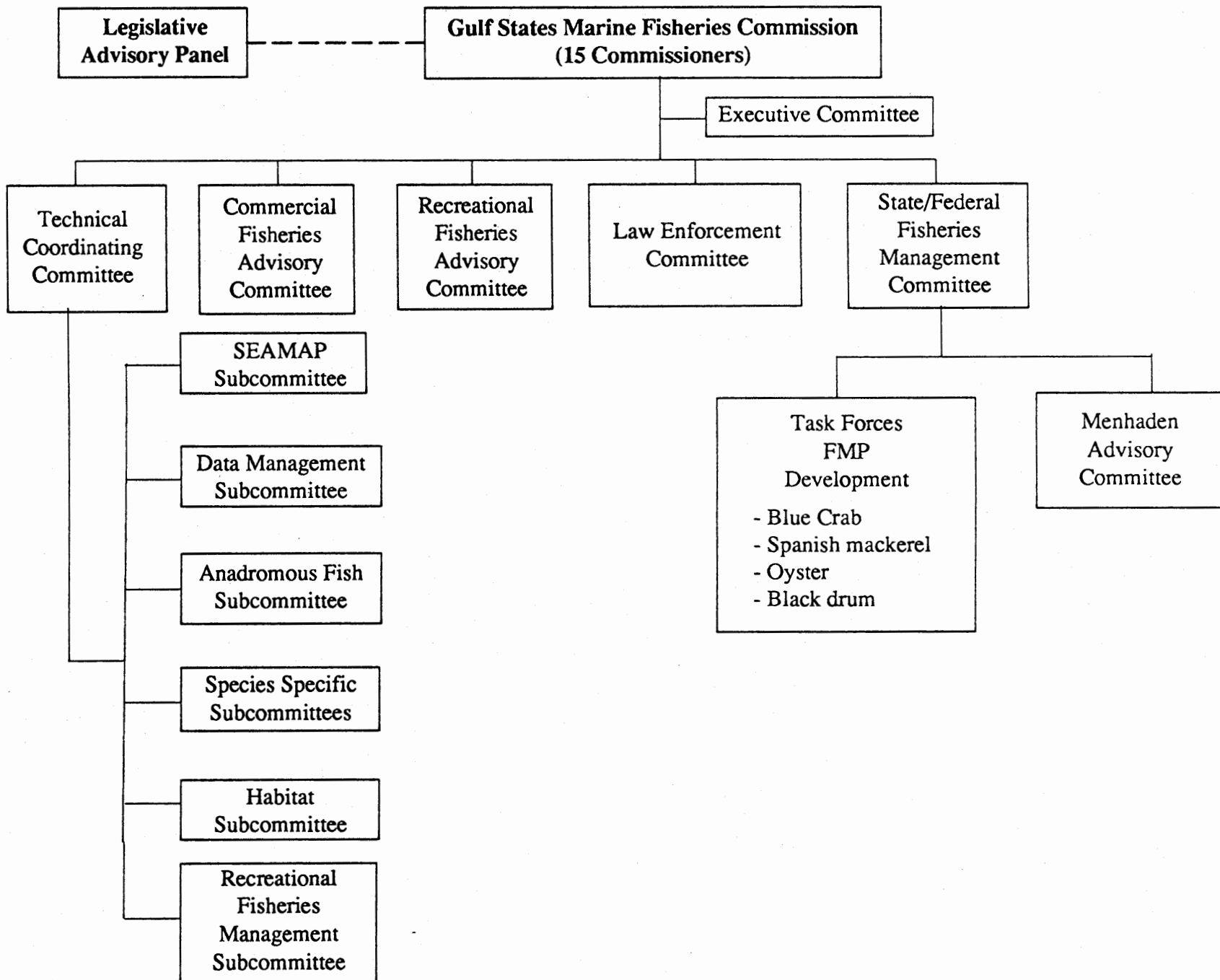
Section 6. The three Commissioners from each state shall select annually one of their number to act as Chairman of the state's delegation. Neither the Chairman nor either Vice-Chairman of the Commission shall be designated by a state as Chairman of the State Delegation, unless otherwise required by the laws of that state.

Section 7. There shall be an Executive Committee composed of the Chairman, the First Vice-Chairman, the Second Vice-Chairman, the immediate past chairman, and one other Commissioner selected by the Chairman such that all five compacted states are represented. The Executive Committee shall provide oversight in budgeting, personnel matters, and compliance with Commission goals and objectives by the Executive Director and staff. The Executive Committee shall have power to act for the Commission in the interim between meetings.

Section 8. There shall be a standing Commission Committee known as the Technical Coordinating Committee. This Committee shall be composed of two scientists and/or technical administrators from each of the compacted states, the Director or his designee of the Southeast Fisheries Center of National Marine Fisheries Service, and the Director or his designee of the U.S. Fish and Wildlife Service, Region IV. Each Committee member shall be a scientist or technical administrator of the state or federal conservation authority represented on the Commission and/or from the university system doing marine research within the state. The duty of this Committee shall be that providing such scientific advice as may be needed by the Commission. The Chairman of the Technical Coordinating Committee shall be elected by members of the

Technical Coordinating Committee on an annual basis, at the same time a new Chairman of the Commission is elected. The elected Chairman of the Technical Coordinating Committee shall be empowered to appoint a Vice-Chairman from a state other than his own. The Vice-Chairman's position will be on an annual basis to run concurrent with the Technical Coordinating Committee Chairman as well as the Commission Chairman.

Section 9. The organizational structure of the Commission is represented by the following Table of Organization.



ARTICLE V. FINANCE

Section 1. The fiscal year of the Commission shall begin on the 1st day of January and shall end on the 31st day of December of each year. At the beginning of each fiscal year the accounting books of the Commission shall be audited by a firm of certified public accountants, acceptable to the Commission, and a full accounting of the financial transactions for the past fiscal year shall be rendered. The accountant's full report of audit shall be furnished the Chairman, the two Vice-Chairmen and members of the Executive Committee. The report shall be approved or disapproved by the Commissioners at the Annual Meeting and the full and complete report shall appear in each annual printed report of the Commission.

Section 2. The Executive Committee shall estimate the cost of operating the Commission during the ensuing fiscal year and shall submit such estimates and their recommendations as to the equitable apportionment of the cost thereof to the full Commission at its Annual Meeting, or such Special Meeting as may be called.

Section 3. The expenses of Commission staff to and from authorized functions shall be reimbursed by the Commission from its funds, when vouchers therefor have received the approval of the Executive Director of the Commission.

Section 4. Disbursements from the Commission's funds shall be made only for expenses incurred upon previous authorization by the Chairman or Executive Director. The Executive Director shall submit serially numbered authorization sheets to the Chairman. The authorization sheets shall include explanations of expenses. The Executive Director or other authorized staff member shall sign and issue checks therefor drawn upon the funds of the Commission on deposit in an official depository of the Commission. The Chairman, or in his absence the First Vice-Chairman, when necessary may similarly sign and issue checks based upon such approved authorization sheets. The Executive Director may withdraw and advance to the office secretary for the petty cash account not to exceed \$25.00, and withdraw an advance for authorized travel not to exceed the cost of travel plus approved per diem costs. Reimbursements for expenditures from these two accounts shall be made only on authorization sheets in the same manner as provided for the payment of other accounts.

Section 5. It shall be the duty of the Executive Director, in the name of the Commission, at the beginning of each succeeding Commission fiscal year to make formal request of the fiscal authorities of the several member states for the transfer to the Executive Director of the Commission of the funds appropriated by each such state for the use of the Commission. Such funds, when received, shall be deposited by the Executive Director to the checking account of the Commission in a bank duly designated by resolution of the Commission as an official depository of the Commission. It shall be a duty of the Executive Director to promptly notify the proper authority in each state of the receipt of funds from the state and when a deposit is made the Executive Director shall immediately forward a duplicate deposit slip to the Commission Chairman, the two Vice-Chairmen or other Commission member who may be bonded by the Commission.

Section 6. The Executive Committee shall determine the bank depository(s) for the Commission.

Section 7. Reserve funds of the Commission may be withdrawn from the Commission bank checking account, when the Commission desires to have such funds draw interest, and deposit such funds in savings in the Commission's official bank depository(s) or other financial institution located in the Commission's headquarters metropolitan area, provided the amount of Commission reserve funds so deposited is never in excess of the amount guaranteed a depositor by the federal government. Such relocating of funds from the Commission's checking account, or the withdrawal of funds from a savings account, shall be accomplished only when all details of the transaction have been approved by the Commission.

Section 8. The Executive Director shall execute a surety bond in favor of the Commission, in a form satisfactory to the Commission, with a reputable and recognized surety company authorized to do business in each of the member states. The bond shall be in the amount of One Hundred Thousand Dollars and no/100 (\$100,000.00) and the costs of such bonds shall be defrayed out of the Commission's funds.

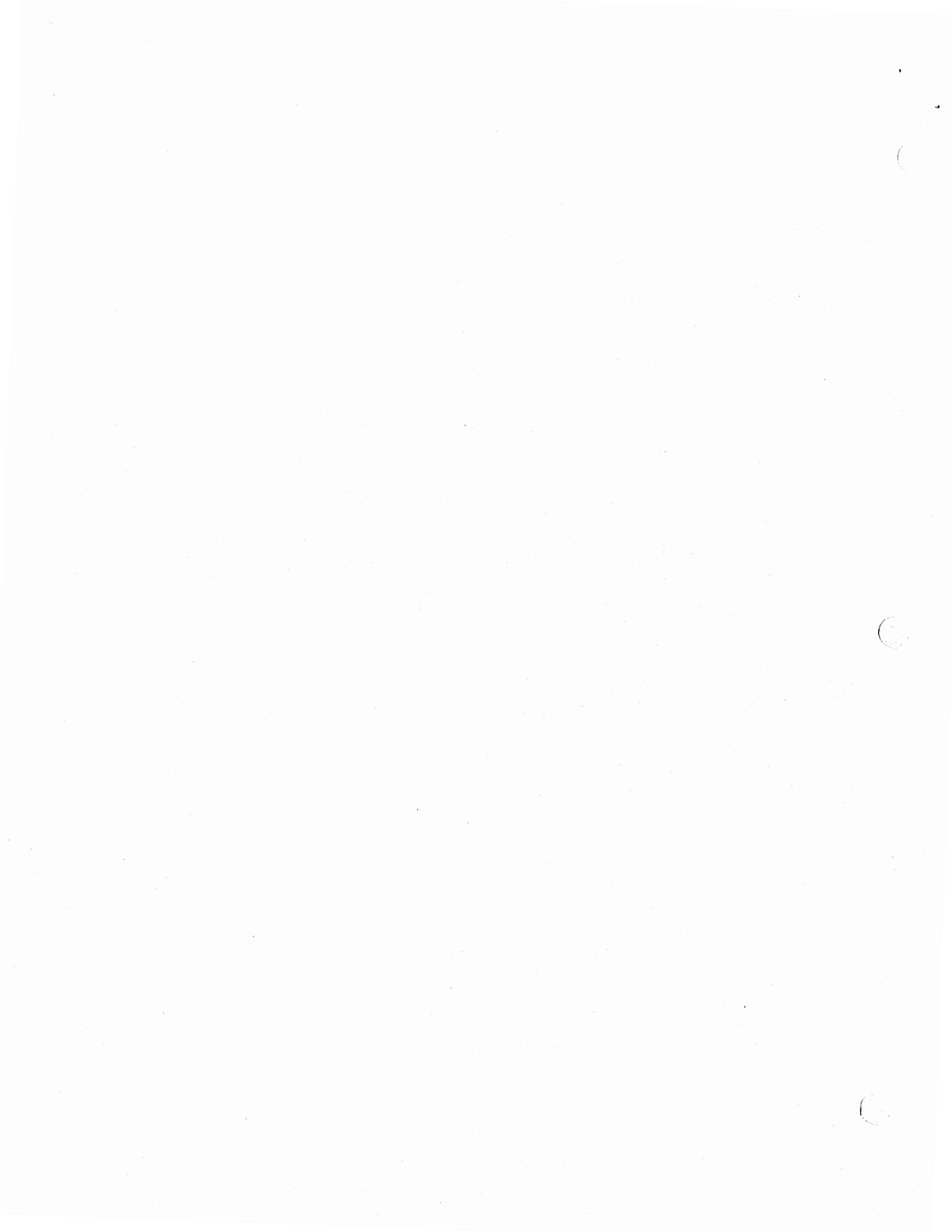
ARTICLE VI. DEFINITION OF AN INTEREST

Section 1. Pursuant to Article VI of the Compact, requiring the Commission to define what constitutes "an interest", the Commission hereby declares that a state shall be deemed to have an interest in any species of fish when according to the latest published statistics or available records of the several member states of the Commission and/or of the U.S. Department of Commerce:

- a. Such fish are found customarily or periodically in its territorial waters.

ARTICLE VII. AMENDMENT OF RULES AND REGULATIONS

Section 1. These Rules and Regulations may be amended at any Regular or Special Meeting of the Commission by the affirmative vote of a majority of the member states, under the rules hereinabove adopted covering voting at a Commission meeting, provided due notice thereof has been given in the call of the meeting.



APPROVED BY:

Tommy A. Galletta
COMMITTEE CHAIRMAN

COMMISSION BUSINESS MEETING - PART II

MINUTES

Friday, March 16, 1990
Orange Beach, Alabama

COMMISSION BUSINESS MEETING
MINUTES - PART II
Friday, March 16, 1990
Orange Beach, Alabama

The meeting was called to order at 9:00 am by Chairman Tommy Gollott. The following persons were present:

Members

| | |
|---------------------|----|
| Hugh A. Swingle | AL |
| John Ray Nelson | AL |
| Taylor Harper | AL |
| Don Duden | FL |
| Tommy A. Gollott | MS |
| Vernon Bevill | MS |
| Rudy Lesso | MS |
| Virginia Van Sickle | LA |
| Charles Belaire | TX |

Staff

Larry B. Simpson, Executive Director
Ginny Herring, Executive Assistant
Richard Leard, Program Coordinator
Nancy K. Marcellus, Staff Assistant
Lucia B. Hourihan, Publication Specialist
Eileen M. Benton, Administrative Assistant
Cindy Dickens, Staff Assistant
Ron Lukens, Assistant Director

Others

Ed Joyce, Florida Department of Natural Resources, Tallahassee, FL
Chris Nelson, Bon Secour Fisheries, Bon Secour, AL
I. B. Byrd, National Marine Fisheries Service, St. Petersburg, FL

National Marine Fisheries Service/Southeast Regional Office (NMFS/SERO)

I. B. Byrd extended greetings from Dr. Andrew Kemmerer, Regional Director, NMFS/SERO. Dr. Kemmerer was sorry he was unable to attend.

I. B. Byrd described NMFS relationship with the Commission as it has currently existed. He explained the partnership and cooperative efforts in light of recent tight funding and pledged NMFS/SERO's continued support of the partnership.

He stated that NMFS/SERO is concerned about recent decisions made by the Commission in regards to the self-evaluation process that the Commission is currently addressing. He feels that the partnership has been diluted, especially since the Gulf State-Federal Fisheries Management Board (GS-FFMB) is now almost totally ineffective. Their appears to be no mechanism now available to NMFS/SERO to be a part of the management and decision making process of the Commission. He explained that NMFS/SERO would continue to be involved with Commission activity but expressed their desire to be a productive part of the relationship. NMFS/SERO feels strongly that in order to continue the strong State-Federal partnership that NMFS needs to be actively involved with the Commission and actively involved in management decisions.

The Commissioners discussed I. B. Byrd's concerns and the general consensus was that a change was called for.

* H. Swingle motioned to abolish the GS-FFMB and to add to the membership of the Fishery Management Committee (FMC) the Director (or his designee) of NMFS/SERO, the Director (or his designee) of FWS, and the Commission Executive Director. The Executive Director would be a non-voting member. J. R. Nelson seconded. The motion carried.

* H. Swingle motioned to change the name of the FMC to State-Federal Fisheries Management Committee and to change the organizational chart (Rules and Regulations) to reflect the name change and membership change. V. Van Sickle seconded. The motion carried.

Ad Hoc Committee Report on GSMFC Roles, Responsibilities, Future
Directions and Organization (cont.)

V. Van Sickle reopened discussion of the Ad Hoc Committee's recommendations. Several items regarding committees and subcommittees were established by approving the organizational chart (Rules and Regulations). The following items were discussed and approved when no objections were made. Under the recommendations for committees and subcommittees the following were adopted:

- Menhaden Advisory Committee will be organizationally placed under the State-Federal Fisheries Management Committee. Committee activities will not be altered.
- The current Recreational Fisheries Committee will be made a subcommittee under the TCC and named Recreational Fisheries Management Subcommittee.
- A new Recreational Fisheries Advisory Committee will be formulated.
 - Two members from each state (total 10).
 - Composed of recreational fishermen or its associated industry.
 - Selected by State Agency Commissioners from each state.
 - The primary purpose of the committee is to provide the GSMFC with issues of importance to recreational fishing and its associated industry and possible solutions.
 - An organizational/orientation meeting time will be determined by Commissioners.
- Commercial Fisheries Advisory Committee should replace the Industry Advisory Committee.
 - Three members from each state (total 15).
 - One member will be the private citizen Commissioner from each state. Others will be composed of commercial fisheries processors, producers, and fishermen.
 - Selected by the legislative and private citizen Commissioner from each state.
 - The primary purpose of the committee is to provide the GSMFC with issues of importance to the commercial fishing industry and possible solutions.
 - An organizational/orientation meeting time will be determined by Commissioners.

COMMISSION BUSINESS MEETING
MINUTES - PART II
Page -4-

- GSMFC Legislative Advisory Panel will be formulated.
 - Three members from each state (total 15).
 - One will be the Legislative Commissioner from each state.
 - One will be from the House of Representatives from each state.
 - One will be from the Senate from each state.
 - Each member has a vote.
 - Members selected by the respective Speaker of the House and President of the Senate.
 - Will receive issues for consideration from the Commissioners.
 - Will select a chairman and vice-chairman from among themselves.
 - Will meet annually, immediately following the close of the Annual Fall Commission Business Meeting in October.
 - Travel and subsistence should be funded by respective state legislative contingency funds or other appropriate mechanism.
 - Will hold an organizational meeting during the summer of 1990.

- GSMFC Executive Committee to operate pursuant to Article IV, Section 7 of the Rules and Regulations. (Approved 3/15/90).

Other issues addressed under committees and subcommittees included:

- A directive to Commission staff to write appropriate letters regarding membership appointment and other changes as necessary to the various committees and subcommittees.
- A directive to Commission staff to write all Commissioners regarding all actions taken by the Commission regarding Ad Hoc Committee recommendations and to encourage participation by all Commissioners.
- A directive to Commission staff to write to the various Gulf States to encourage support of the Law Enforcement Committee and other enforcement activity through the use of Interjurisdictional Fisheries programmatic funds.
- A directive to Commission staff to explore possible sources of funding (travel funds) for the Commercial Fishery Advisory Committee.
- A directive to the Executive Committee to review the types and the amount of mail sent to the Commissioners from Commission headquarters.

COMMISSION BUSINESS MEETING
MINUTES - PART II
Page -5-

Under meeting schedule and format the following recommendations were adopted.

- Annual meeting will be held each October with the Commission Business Meeting to begin during the third week of that month.
- Spring meeting will be held each April with the Commission Business Meeting to begin during the second week of that month.
- State-Federal Fisheries Management Committee and Law Enforcement Committee meetings should be scheduled as close as possible to the Commission Business Meeting.
- "Executive Session" will be changed to "Commission Business Meeting" to change the perception that it is a closed session.
- Beginning each Commission Business Meeting the Executive Director will provide a brief mission statement and highlight pertinent sections of the Rules and Regulations to properly orient all members to the meeting.

Under Commission Business Meeting the following recommendations were adopted.

- Annual and Spring meeting agenda packages should clearly separate technical committee meetings from the Commission Business Meeting.
- Commission Business Meeting agendas should reflect substantive issues of high priority which have some chance of resolution.
- Commissioners should endeavor to present issues of importance and discuss them openly without concern for reprisals.
- At the end of the first day of the Commission Business Meeting, a time slot for state caucuses should be provided to allow state delegations to discuss important voting issues.

Other recommendations discussed and adopted were.

- GSMFC staff will collect all legislative bills related to marine fisheries from each state, each year following the close of the legislative sessions and compile them for distribution.
- The Executive Director and selected Commissioners will provide a thorough orientation to all new Commissioners upon their appointment.

COMMISSION BUSINESS MEETING
MINUTES - PART II
Page -6-

- The GSMFC will not conduct research but will continue to coordinate and administer research programs between and among states as appropriate.
- The GSMFC will investigate the relative benefits and drawbacks of using a cost reimbursable system of financial operation versus an overhead system. Appropriate changes will be made resulting from that investigation.
- The GSMFC will not duplicate or take the place of anything a state or federal government agency should do.
- The GSMFC will confine itself to a few major issues at any given time. Issues will have a good chance of resolution.
- The GSMFC will develop a mechanism to follow through on resolutions, recommendations, and actions which it undertakes.
- The GSMFC staff will be given more and better guidelines from the Commissioners.
- The GSMFC staff should attend regional trade association meetings.
- The GSMFC staff will explore the possibility of the Commission coordinating and administering fishery data collection. This is currently being done in the Pacific Marine Fisheries Commission with NMFS support and funding. The staff will explore options and report back to the full Commission.

Each recommendation from the Ad Hoc Committee was addressed. Items listed were approved unanimously. The entire Commission extended appreciation to the Ad Hoc Committee members and to V. Van Sickle for her efforts as chairman.

Election of Second Vice Chairman

* J. R. Nelson nominated V. Van Sickle as Second Vice Chairman. There were no other nominations and V. Van Sickle was elected by acclamation.

Charles H. Lyles Award

* Taylor Harper nominated Hugh A. Swingle for the 1990-91 "Charles H. Lyles Award". J. R. Nelson seconded. Nominations were closed. Hugh A. Swingle was nominated by acclamation.

Other Business

- L. Simpson provided copies of uniform seafood processing regulations. No action was required.

- * V. Bevill presented a letter regarding an incident that occurred in the hotel (Perdido Hilton) on the previous night. A Commission staff member was assaulted for no cause by a another guest at the hotel. V. Bevill motioned to send the letter to the hotel manager and to the Hilton Corporation offices. T. Harper seconded. The motion carried.

Future Meetings

The October 1990 meeting will be held at the Marriott Bay Point in Panama City, Florida. G. Herring was directed to solicit bids for the April 1991 meeting from the Galveston, Texas area.

COMMISSION BUSINESS MEETING
MINUTES - PART II
Page -8-

Personnel Meeting (closed to staff)

The Commissioners held a closed meeting regarding staff salary. The outcome was a 5% increase for all staff members except L. Simpson and R. Lukens. R. Lukens was promoted to Assistant Director and his salary increased to \$30,000. All increases will be retro-active to January 1, 1990.

The meeting ended at 12:00 pm.

P.O. Box 726
Ocean Springs, MS 39564
(601) 875-5912
(FAX) 875-6604



Larry B. Simpson
Executive Director

R E S O L U T I O N

WHEREAS, the Habitat Subcommittee of the Technical Coordinating Committee of the Gulf States Marine Fisheries Commission recognizes that marsh management plans have been developed to address numerous fish and wildlife resource issues in the coastal zone,

WHEREAS, the TCC Habitat Subcommittee further recognizes that action on these management plans by member states has been somewhat limited, and there is growing concern regarding extensive marsh management proposals,

WHEREAS, in view of the importance of our wetlands resources to the fisheries resources of interest to the Commission, the TCC Habitat Subcommittee recommends that the Commission adopt the following position relative to marsh management activities,

THEREFORE BE IT RESOLVED, that the Gulf States Marine Fisheries Commission supports marsh management plans that:

- (1) maintain the integrity of the wetlands ecosystem and its diversity of fish and wildlife species that utilize these wetlands areas,
- (2) insure ingress and egress of marine species into marsh areas affected by marsh management proposals,
- (3) enhance altered or degraded wetlands to more naturally productive conditions, and
- (4) maintain or improve the natural productivity of fish and wildlife resources which utilize the wetlands.

Given this the 16th day of March in the year of Our Lord, One Thousand, Nine Hundred, Ninety.



Thomas A. Gollott, Chairman

- Member States -

Texas

Louisiana

Mississippi

Alabama

Florida

APPROVED BY:

J. Cirino
COMMITTEE CHAIRMAN

OYSTER TECHNICAL TASK FORCE MINUTES
March 21-22, 1990
Biloxi, Mississippi

J. Cirino, Chairman, called the meeting to order at 9:05 a.m. The following were in attendance:

Members

J. Cirino, MDWFP/BMR, Biloxi, MS
M. Berrigan, FDNR, Tallahassee, FL
M. Van Hoose, ADNR, Dauphin Island, AL
R. Dugas, LDWF, New Orleans, LA
J. Gray, TPWD, Palacios, TX
J. Nelson, Bon Secour Fisheries, Bon Secour, AL
T. Candies, LDWF, New Orleans, LA
W. Keithly, LSU, Baton Rouge, LA
C. Dyer, USA, Mobile, AL

Staff

R. Leard, IJF Program Coordinator
C. Dickens, IJF Staff Assistant

J. Cirino welcomed Dr. Chris Dyer to the task force. Dr. Dyer replaced Dr. Steve Thomas as the sociology expert to the task force.

Adoption of the Agenda

The agenda was adopted as presented; however, Dr. Dyer noted he would not be able to attend on March 22, 1990. J. Cirino suggested Dr. Dyer's overview of progress on Section 11 be given before the end of the day. The task force agreed.

Adoption of Minutes

The minutes of the meeting held October 10-11, 1989, in Biloxi, Mississippi, were adopted as presented.

Review of Current Oyster FMP

The task force reviewed, discussed and edited current draft sections. General instructions for rewriting/revision throughout the FMP were entrusted to IJF staff. The following lists specific action needed:

- The task force agreed to add figures in Section 5 from Galtsoff 1961 to illustrate the eastern oyster Crassostrea virginica.
- R. Dugas agreed to combine and rewrite all portions of Section 5 dealing with salinity.
- The task force pointed out several national policies in Section 6 should be checked for current updates. Each state member will check section 6.4 for updates on current laws, regulations and policies. These changes will be forwarded to the IJF staff for compilation into the FMP. Further, the final draft of Section 6 will be sent to the GSMFC Law Enforcement Committee to review.
- W. Keithly agreed to revise and delete unnecessary duplication in sections 8 and 9.
- Table 11.2 (state agencies and respective responsibilities of oyster management) will be compiled from information from Steve Otwell's publication. M. Berrigan will send this document to the GSMFC office. The task force agreed to insert state classifications of oyster growing waters in the form of a table from Dot Leonard's publication. J. Cirino will provide this document to the GSMFC office.

Discussion of Social and Culture Framework of the Oyster Fishery

As C. Dyer was just appointed and confirmed by the task force, a draft of this section was not available for review but would be forthcoming in mid-May. However, C. Dyer provided an overview of his intentions and current progress of work. General points will include history of the oyster fishery, perceptions in the fishery, gear and boat types, income, and fishing strategies. Dyer stated any historical information will be appreciated, and asked state task force members to provide him a list of licensees and processors. J.R. Nelson

pointed out several sources of information such as the NFI survey in 1988 and the various seafood museums among the Gulf States. M. Berrigan noted an anthropological report by Charles Rockwood of Florida State published in 1973.

Discussion of Maximum Sustainable Yield (MSY)

The task force began discussion on MSY for the oyster fishery. The question raised was whether MSY should stand as a separate section or be incorporated in another section; the task force then agreed to proceed with it as a separate section. Several members questioned the concept of determining MSY for the oyster fishery. The task force instructed R. Leard to investigate literature on the subject and the possibility of a population dynamics expert volunteering to formulate a reasonable estimate using available information.

Discussion of Problems in the Fishery, Management Measures, Management Recommendations, and Research and Data Needs

R. Leard presented an outline which proposed to list problems in the fishery as Section 13, the oyster fishery management program as Section 14 and management recommendations as Section 15. This structure is very similar to that used in the red drum and blue crab FMPs. Under this approach problems can be separately discussed from the management program. Management objectives and measures to meet those objectives are grouped in Section 14. They are separated from the management recommendations section because some known measures may be appropriate to solving a problem and/or achieving a goal but may not be recommended for various reasons. The task force agreed to proceed with this format.

OYSTER TECHNICAL TASK FORCE MINUTES

March 21-22, 1990

Page -4-

Problems of the fishery were addressed and outlined at the previous meeting. The task force continued discussion and agreed to group problems of the fishery into four categories (1) resource management, (2) environmental, (3) regulatory and (4) public health. The task force directed R. Leard to categorize and incorporate the outline into a section format.

The task force further appointed R. Leard to compile sections 14 (management measures), 15 (management recommendations) and 16 (research and data needs) using the information outlined in the minutes of the last meeting.

There being no further business, the meeting adjourned March 22, 1990, at 4:45 p.m.

GULF STATES MARINE FISHERIES COMMISSION

FY90 Budget

January 1, 1990 - December 31, 1990

*For
minutes
book*

| | FY90 Operating Funds | FY90 Total Grants | FY90 Total Budget |
|---|----------------------------|-------------------------|-------------------------|
| EXPENSE | | | |
| 1. SALARIES | | | |
| a. Executive Director | \$15,844 | \$ 30,482 | \$ 46,326 |
| b. Assistant Director/ W-B Coordinator | -0- | 30,000 | 30,000 |
| c. Executive Assistant | 6,655 | 21,254 | 27,909 |
| d. Publication Specialist | 3,519 | 15,272 | 18,791 |
| e. Administrative Assistant | 1,950 | 15,791 | 17,741 |
| f. W-B Staff Assistant | -0- | 15,336 | 15,336 |
| g. IJF Staff Assistant | -0- | 14,889 | 14,889 |
| h. IJF Program Coordinator | -0- | 23,608 | 23,608 |
| i. SEAMAP Coordinator | -0- | 22,004 | 22,004 |
| j. Contract Labor | -0- | 9,294 | 9,294 |
| k. Health Insurance | 5,065 | 22,160 | 27,225 |
| l. Retirement | 1,678 | 9,778 | 11,456 |
| m. Payroll Taxes | 2,140 | 14,433 | 16,573 |
| 2. MAINTENANCE/OPERATIONS | | | |
| a. Office Rental | 2,977 | 8,123 | 11,100 |
| b. Office Supplies | 4,961 | 3,600 | 8,561 |
| c. Postage | 3,850 | 5,625 | 9,475 |
| d. Professional Services | 4,500 | 1,426 | 5,926 |
| e. Travel (staff) | 10,000 | 10,855 | 20,855 |
| f. Telephone | 2,725 | 6,815 | 9,540 |
| g. Office Equipment | -0- | 7,850 | 7,850 |
| h. Copying Expenses | 1,200 | 6,780 | 7,980 |
| i. Printing | 2,000 | 16,144 | 18,144 |
| j. Meeting Costs | 10,000 | 11,350 | 21,350 |
| k. Subscriptions/Dues | 1,200 | -0- | 1,200 |
| l. Auto Expenses (gas/repairs) | 1,000 | -0- | 1,000 |
| m. Insurance (auto/bond) | 3,200 | -0- | 3,200 |
| n. Maintenance (office equipment) | 4,500 | -0- | 4,500 |
| o. Petty Cash | 400 | -0- | 400 |
| p. Commission Courtesies | 400 | -0- | 400 |
| q. Committee Travel | -0- | 76,838 | 76,838 |
| r. Contractual | -0- | -0- | -0- |
| TOTAL | \$89,764 | \$399,707 | \$489,471 |
| INCOME | | | |
| 1. STATE CONTRIBUTIONS | | | |
| a. Alabama | \$ 11,250 | \$ | \$ |
| b. Florida | 22,500 | | |
| c. Louisiana | 22,500 | | |
| d. Mississippi | 11,250 | | |
| e. Texas | 22,500 | | |
| TOTAL DUES | | | 90,000 |
| 2. INTEREST | 6,000 | -0- | 6,000 |
| 3. REGISTRATION FEES | 6,500 | -0- | 6,500 |
| 4. RESERVE FUNDS | -0- | -0- | -0- |
| 5. GRANTS | | | |
| a. SEAMAP | | 93,476 | |
| b. Interjurisdictional Fisheries | | 110,000 | |
| c. Wallop-Breaux | | 127,556 | |
| d. Council | | 25,000 | |
| e. MARFIN | | 43,675 | |
| TOTAL GRANTS | | | 399,707 |
| TOTAL | \$102,500 | \$399,707 | \$502,207 |

May 11, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY90 Budget

OPERATING FUNDS

January 1, 1990 - December 31, 1990

1. SALARIES

| | |
|---|----------|
| a. Executive Director | \$15,844 |
| b. Assistant Director/W-B Program Coordinator | -0- |
| c. Executive Assistant | 6,655 |
| d. Publication Specialist | 3,519 |
| e. Administrative Assistant | 1,950 |
| f. W-B Staff Assistant | -0- |
| g. IJF Staff Assistant | -0- |
| h. IJF Program Coordinator | -0- |
| i. SEAMAP Coordinator | -0- |
| j. Contract Labor | -0- |
| k. Health Insurance | 5,065 |
| l. Retirement | 1,678 |
| m. Payroll Taxes | 2,140 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|--------|
| a. Office Rental | 2,977 |
| b. Office Supplies | 4,961 |
| c. Postage | 3,850 |
| d. Professional Services | 4,500 |
| e. Travel (staff) | 10,000 |
| f. Telephone | 2,725 |
| g. Office Equipment | -0- |
| h. Copying Expenses | 1,200 |
| i. Printing | 2,000 |
| j. Meeting Cost | 10,000 |
| k. Subscriptions/Dues | 1,200 |
| l. Auto Expense (gas/repairs) | 1,000 |
| m. Insurance (auto/bond) | 3,200 |
| n. Maintenance (office equipment) | 4,500 |
| o. Petty Cash | 400 |
| p. Commission Courtesies | 400 |
| q. Committee Travel | -0- |
| r. Contractual | -0- |

TOTAL

\$89,764

May 11, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY90 Budget

SEAMAP

January 1, 1990 - December 31, 1990

1. SALARIES

| | |
|---|--------|
| a. Executive Director | \$ -0- |
| b. Assistant Director/W-B Program Coordinator | -0- |
| c. Executive Assistant | 4,616 |
| d. Publication Specialist | 4,407 |
| e. Administrative Assistant | 7,123 |
| f. W-B Staff Assistant | -0- |
| g. IJF Staff Assistant | -0- |
| h. IJF Program Coordinator | -0- |
| i. SEAMAP Coordinator (23,000) | 22,004 |
| j. Contract Labor | 5,213 |
| k. Health Insurance | 3,534 |
| l. Retirement | 1,441 |
| m. Payroll Taxes | 2,920 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|------------|
| a. Office Rental | 1,880 |
| b. Office Supplies | 1,000 |
| c. Postage | 3,000 |
| d. Professional Services | -0- |
| e. Travel (staff) | -0- |
| f. Telephone | 1,950 |
| g. Office Equipment | -0- |
| h. Copying Expenses | 3,600 |
| i. Printing | 5,750 |
| j. Meeting Cost | 2,800 |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bond) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | 22,238 |
| r. Contractual | <u>-0-</u> |

TOTAL

\$93,476

May 11, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY90 Budget

INTERJURISDICTIONAL FISHERIES

January 1, 1990 - December 31, 1990

1. SALARIES

| | |
|---|----------|
| a. Executive Director | \$ 4,117 |
| b. Assistant Director/W-B Program Coordinator | -0- |
| c. Executive Assistant | 2,577 |
| d. Publication Specialist | 1,589 |
| e. Administrative Assistant | -0- |
| f. W-B Staff Assistant | -0- |
| g. IJF Staff Assistant | 14,889 |
| h. IJF Program Coordinator (24,150) | 23,608 |
| i. SEAMAP Coordinator | -0- |
| j. Contract Labor | 3,297 |
| k. Health Insurance | 5,362 |
| l. Retirement | 2,115 |
| m. Payroll Taxes | 3,579 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|--------|
| a. Office Rental | 3,097 |
| b. Office Supplies | 1,000 |
| c. Postage | 1,000 |
| d. Professional Services | 1,426 |
| e. Travel (staff) | 104 |
| f. Telephone | 2,840 |
| g. Office Equipment | 850 |
| h. Copying Expenses | 1,200 |
| i. Printing | 4,000 |
| j. Meeting Cost | 3,600 |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bond) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | 29,750 |
| r. Contractual | -0- |

TOTAL

\$110,000

May 11, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY90 Budget

COUNCIL

January 1, 1990 - December 31, 1990

1. SALARIES

| | |
|---|----------|
| a. Executive Director | \$12,000 |
| b. Assistant Director/W-B Program Coordinator | -0- |
| c. Executive Assistant | 4,000 |
| d. Publication Specialist | 2,000 |
| e. Administrative Assistant | 1,000 |
| f. W-B Staff Assistant | -0- |
| g. IJF Staff Assistant | -0- |
| h. IJF Program Coordinator | -0- |
| i. SEAMAP Coordinator | -0- |
| j. Contract Labor | -0- |
| k. Health Insurance | 2,255 |
| l. Retirement | 1,140 |
| m. Payroll Taxes | 1,454 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|-------|
| a. Office Rental | -0- |
| b. Office Supplies | -0- |
| c. Postage | -0- |
| d. Professional Services | -0- |
| e. Travel (staff) | 1,151 |
| f. Telephone | -0- |
| g. Office Equipment | -0- |
| h. Copying Expenses | -0- |
| i. Printing | -0- |
| j. Meeting Cost | -0- |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bond) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | -0- |
| r. Contractual | -0- |

TOTAL

\$25,000

May 11, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY90 Budget

WALLOP - BREAU

January 1, 1990 - December 31, 1990

1. SALARIES

| | |
|---|----------|
| a. Executive Director | \$ 9,500 |
| b. Assistant Director/W-B Program Coordinator | 30,000 |
| c. Executive Assistant | 4,479 |
| d. Publication Specialist | 3,520 |
| e. Administrative Assistant | -0- |
| f. W-B Staff Assistant | 15,336 |
| g. IJF Staff Assistant | -0- |
| h. IJF Program Coordinator | -0- |
| i. SEAMAP Coordinator | -0- |
| j. Contract Labor | 784 |
| k. Health Insurance | 7,375 |
| l. Retirement | 3,770 |
| m. Payroll Taxes | 4,807 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|--------|
| a. Office Rental | 1,935 |
| b. Office Supplies | 1,000 |
| c. Postage | 650 |
| d. Professional Services | -0- |
| e. Travel (staff) | 7,325 |
| f. Telephone | 650 |
| g. Office Equipment | 7,000 |
| h. Copying Expenses | 1,200 |
| i. Printing | 900 |
| j. Meeting Cost | 2,475 |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bond) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | 24,850 |
| r. Contractual | -0- |

TOTAL

\$127,556

May 11, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY90 Budget

MARFIN

March 1, 1990 - December 31, 1990

1. SALARIES

| | |
|---|----------|
| a. Executive Director | \$ 4,865 |
| b. Assistant Director/W-B Program Coordinator | -0- |
| c. Executive Assistant | 5,582 |
| d. Publication Specialist | 3,756 |
| e. Administrative Assistant | 7,668 |
| f. W-B Staff Assistant | -0- |
| g. IJF Staff Assistant | -0- |
| h. IJF Program Coordinator | -0- |
| i. SEAMAP Coordinator | -0- |
| j. Contract Labor | -0- |
| k. Health Insurance | 3,634 |
| l. Retirement | 1,312 |
| m. Payroll Taxes | 1,673 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|-------|
| a. Office Rental | 1,211 |
| b. Office Supplies | 600 |
| c. Postage | 975 |
| d. Professional Services | -0- |
| e. Travel (staff) | 2,275 |
| f. Telephone | 1,375 |
| g. Office Equipment | -0- |
| h. Copying Expenses | 780 |
| i. Printing | 5,494 |
| j. Meeting Cost | 2,475 |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bond) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | -0- |
| r. Contractual | -0- |

TOTAL

\$43,675

Handwritten initials

TCC DATA MANAGEMENT SUBCOMMITTEE
MINUTES
Thursday and Friday, June 7-8, 1990
Miami, Florida

Chairman Henry G. "Skip" Lazauski called the meeting to order at 1:00 p.m. on June 7. The following members and others were present:

Members

Henry G. "Skip" Lazauski, AMRD, Gulf Shores, AL
Joseph A. Shepard, LDWF, Baton Rouge, LA
Tom Van Devender, MDWFP/BMR, Biloxi, MS
Michael Johns, TPWD, Seabrook, TX
Joe O'Hop, FDNR, St. Petersburg, FL
Albert Jones, NMFS, Miami, FL
Ron Essig, NMFS, Washington, DC

Staff

Ronald R. Lukens, Assistant Director

Others

Jeff Isley, NMFS, Panama City, FL
Margot Hightower, NMFS, Galveston, TX

Adoption of Agenda

The agenda was adopted as amended by allowing Ron Lukens to introduce a discussion regarding the administration and coordination of the MRFSS in the Gulf of Mexico by the GSMFC.

Approval of Minutes

Minutes of the March meeting were not presented for approval, but will be presented for approval, along with the present meeting's minutes, in October.

MRFSS/GSMFC

R. Lukens informed the Subcommittee that, as per a recommendation from the Miami workshop in February 1989, the GSMFC intended to develop a cooperative agreement with NMFS to administer and coordinate the MRFSS in the Gulf of Mexico region (a subregion of the NMFS region III). A discussion ensued regarding the various roles of the states, GSMFC, and NMFS in the cooperative agreement. Lukens informed the Subcommittee that the proposal would be made for the intercept portion of the survey

only. The states would directly supervise their own samplers. The GSMFC would serve as the coordinating body, while NMFS would continue to fulfill the functions it currently fulfills.

* Chairman Lazauski made a motion to approve of the GSMFC initiative to pursue a cooperative agreement to coordinate and administer the MRFSS in the Gulf of Mexico. The motion was seconded and passed unanimously.

Lukens then informed the Subcommittee that the next step would be to seek concurrence of the state directors that they approve of the initiative. In order to supply the state directors and the Commissioners with adequate information, Lukens asked that each state member provide a cost estimate of their state conducting the survey both at the base level of sampling and at 2.5 times the base level. Also an estimate of the number of personnel is needed. Each state member agreed to prepare the information.

Review of Panama City Workshop Activities

Maury Osborn, TPWD, prepared a partial first draft of the proceedings of the "For-Hire Fishing Vessel Workshop" held in Panama City, Florida in April 1990. A discussion ensued regarding the relative merits and applicability of self-reported data versus observed data. It was generally agreed that observed data was the best but was not always practical, and that in some instances self-reported data, such as log books, may be acceptable. In terms of recommendations on how to conduct a fishery survey of "For-Hire" fishing vessels, each state member agreed to analyze the "For-Hire" fleet in their respective states from the perspective of using access site methodology, log books, and other methodologies. Components of the analyses should include data requirements, definition of fishery strata, how to sample the strata, and unique methodologies.

Develop Alternative Recommendations from the Panama City Workshop

Since the state members had agreed to the analyses of their respective "For-Hire" fleets, it was determined to postpone development of recommendations until the October 1990 meeting.

Discussion Topic for Next Workshop (Fall)

It was generally agreed that the "For-Hire" sampling issue was more difficult to handle than anticipated. Because of that fact, progress toward resolution has been slower than anticipated. The Subcommittee determined by consensus that a final workshop of the Subcommittee should be held in November to complete the recommendations for a fishery survey of "For-Hire" vessels.

There being no further business, the meeting was adjourned.

MARFIN PROGRAM MANAGEMENT BOARD (PMB)
Tuesday, June 19/Wednesday, June 20, 1990
St. Petersburg, Florida
MINUTES

DRAFT

Robert Shipp

The meeting held in the conference room of the NMFS Southeast Regional Office was called to order at 9:00 am by Vice Chairman Jim Cato. The following were in attendance:

Members

Larry B. Simpson, GSMFC, Ocean Springs, MS
Bob Shipp, Recreational Industry, Mobile, AL
Jim Cato, Sea Grant, Gainesville, FL
William S. "Corky" Perret, Gulf States, Baton Rouge, LA
Wayne Swingle, GMFMC, Tampa, FL
Eddie McCulla, GASAFDFI, Houma, LA
Robert Jones, Commercial Industry, Tallahassee, FL
Jean West, ex-officio, NOAA Grants, Silver Spring, MD
Walter Nelson, NMFS, Pascagoula, MS

Staff

Don Ekberg, NMFS, St. Petersburg, FL
Lucia Hourihan, GSMFC, Ocean Springs, MS

Others

Ellie Roche, NMFS, St. Petersburg, FL
Patricia Gordon, NOAA Grants, Silver Spring, MD
Brad Brown, NMFS, Miami, FL
Sally Long, NMFS, St. Petersburg, FL
Dave Pritchard, NMFS, St. Petersburg, FL
*Andy Kemmerer, NMFS, St. Petersburg, FL

*In attendance on June 19, 1990 only.

Adoption of Agenda

The agenda was adopted as presented.

Election of MARFIN Board Chairman

Bob Shipp was elected chairman by acclamation. Jim Cato was re-elected vice chairman by acclamation.

Status of NMFS Projects

D. Ekberg distributed a listing of the ten NMFS projects (attachment 1) which had been approved for a funding total of \$1.3 million. L. Simpson questioned the late start date on project 90NMFS03,

DRAFT

"Economic Data Collection for the Gulf of Mexico Reef Fish Fishery", as stated in the May progress report. It was clarified that funds going to NMFS to be spent by or on NMFS personnel must be expended prior to the end of said fiscal year and funds to be contracted out must be obligated prior to the end of said fiscal year.

Status of FY89 Financial Assistance Projects

Ekberg reported that financial assistance projects for FY89 were not obligated before the end of the fiscal year. Carry-over status was not received until about the first of January. Most of the projects were awarded in February and March. Some of the investigators have asked for pre-award costs.

J. West remarked that FY89 had been an unfortunate year in getting MARFIN awards out, partly due to the consolidation of the Grants Office and delays in General Counsel. She said that if pre-award costs were justified and were approved by the program officer then they would likely be approved. West stated the prognosis was very good for having FY90 MARFIN awards made by September 30. The deadline to have approved FY90 proposals submitted to NOAA Grants has been moved up to July 1. West further stated there will be no pre-award costs for FY90. She recommended project start dates be no earlier than October 1, preferably November or December 1. Investigators would be at risk to start work without receipt of a signed document.

Grants Management staff are trying to get the concept of expanded authority beyond universities which would allow for pre-award costs up to 90 days. West stated the goal for processing awards was 90 days -- 30 days with the program office (NMFS) and 60 days in grants management (review process to approval). A. Kemmerer stated the 30 days allowed for NMFS may be shortened to 15 because NMFS is now focusing all program officers in the Regional Office.

Presentation of NMFS Priority Listing of Proposals

Kemmerer stated that he relied heavily on SEFC to provide technical review and to go out to external reviewers extensively. He expressed confidence in the SEFC's breakdown of the projects into three general categories - Highly Recommended (H), Recommended (R), Not Recommended

(N) (attachment 2). The projects not recommended were basically for technical reasons, not necessarily on the types of projects. Without good rationale behind the PMB recommending a project rated "N", Kemmerer said he would not send those proposals on.

Kemmerer informed the PMB that he would like them to comment if they found a project requiring changes or if projects needed to be combined. He also stated that if a priority area had been missed, a separate RFP could be published. He said a reef fish plan is critically needed and asked the PMB to consider reserving a set amount of money to go out on an RFP to develop a reef fish plan. Such plan could be used as a basis for subsequent RFPs. Kemmerer expressed his appreciation to the PMB.

There was discussion regarding bait fish as a proposed needed category. Kemmerer said that the PMB needed to be specific in RFPs as to types of projects desired.

There was discussion regarding the current policy which says it is illegal for cooperation between NMFS personnel and university/state personnel on MARFIN projects. In two other NOAA programs (Global Climate Change and Coastal Ocean Enrichment) such cooperation is encouraged and cooperative proposals are given highest priority for funding. The PMB would like to see such cooperation recommended for MARFIN proposals. West will look into this inconsistency in policy.

Kemmerer stated that individual recommendations of PMB members will be a heavy influence on his final decision. He suggested there be some proposals recommended in contingency in case some proposals drop out. Before a final decision is made, Kemmerer will advise the PMB.

Ekberg distributed a breakdown of the FY90 MARFIN allocation (attachment 3) showing \$726,000 going to continuing multi-year projects and a balance of \$893,000 available for competitive projects.

W. Nelson briefed members on the NMFS sequential review of proposals and external reviewers comments. Going through the proposals (1-54) grading basically on quality of science and usefulness of work, NMFS identified five proposals as highly recommended. An additional 24 proposals were recommended (fair to good science, would provide useful information, based on criteria established in the RFP). Twenty-four proposals were not recommended (primarily poor science, didn't respond

or outside RFP). Two projects were recommended to be put on hold pending the development of a Gulf-wide bycatch plan.

Ekberg reported on a conference call between B. Brown, J. West, Des McLearn and himself. It was determined that projects could be modified to include needed areas but could not be scratched and started over.

* J. Cato moved that the PMB take the most highly ranked (H) group of proposals and discuss them and then move sequentially through the remainder. The motion carried unanimously.

W. Nelson commented on review results of each proposal as they were individually discussed. PMB members recused themselves from any deliberation from which they or their employing institution could benefit. As a result of the first day's session consideration of the following projects was deferred indefinitely as the projects were felt to be inappropriate for FY90 MARFIN funding.

11.A.04, FDNR (Systematic Survey for Stranded Sea Turtles in Statistical Zones 4 & 5).

3.A.02, Mote Marine Lab (K & Spanish Mackerel Migration and Stock Assessment Study in S. Gulf of Mexico).

10.B.01, LSU (Life History Characterization of Gulf Butterfish).

2.A.01, National Fish Meal & Oil Assoc. (Enhancement of Menhaden Oil for Human Consumption).

4.K.02, Univ. of TX at Austin (Early Life History Studies of Red Snapper).

5.A.01, MS State Univ. (Coastal Herring Processing & Product Evaluation).

5.E.01, Univ of S FL (Study of Genetic Mixing Among Fishery Stocks of Spanish Sardine).

9.C.04, FDNR (Genetic Stock Ident of Blue Crab Pop With Emphasis on GOM Pop).

11.A.03, TX A&M Research Foundation (Assessment of Non-shrimping Mortality of Sea Turtles).

12.C.01, TX A&M Research Foundation (Behavioral Responses of Postlarval Shrimp Estuarine Olfactants).

12.C.04, Univ. of TX at Austin (Loc of Spawning Sites & Immigration to Nursery Grounds in Spotted Seatrout).

12.C.07, LSU (Influence of Microhabitat Selection on Growth & Predation of Estuar Dep Fishes).

4.D.01, Univ. of Miami (Method to Solve Problems of Competition Between Rec & Com Reef Fisheries in W FL).

4.G.01, Univ. of W FL (Determining Attributes of Art Reef & Site Location to Enhance Productivity).

4.G.02, NOVA Univ. Oceanographic Center (Art Reefs as Mitigation for Marina & Dockg Facility Impacts).

4.K.03, MS State Univ. (Dev of Rearing Techniques for Early Life History Stages of Red Snapper).

5.A.02, MS State Univ. (Rel of Fish Qual & Energy Use as Function of Freezing Method for Coastal Herring).

7.A.01, Univ. of S FL (Study of Genetic Stock Structure of Blacktip Shark in GOM & Caribbean).

7.A.02, Univ. of S AL (Electrophoretic Ident of Sharks Using Skeletal Muscle & Blood).

8.A.01, Univ. of CA (Simple One-Day Test for Coliforms and E. coli in Oysters and Seawater).

8.A.02, MS State Univ. (Eval of On-shore Depuration of Gulf Oysters).

9.0.01, Old Dominion Univ. (Limits to FL Spiny Lobster Recruitment: Assmt of Art Enhancement Techniques).

9.A.01, MS State Univ. (Dev Prototype Method of Est Rec Impact on GOM Blue Crab Fishery).

9.C.01, ADCNR (Assessment of AL Blue Crab Stocks).

10.C.01, Gulf Shrimp Res. & Dev. Found., Inc. (Integrated Assmt of Bycatch Issues in W. GOM).

11.A.01, Univ. of Rhode Island (Investigate Acute Anoxia in Sea Turtles & Dev Methods of Resuscitation).

12.C.03, GCRL (Effect of Eddies & Fronts on Larval OF Recruitment Selected Comm Species).

12.C.06, Mote Marine Lab (Ident, Char, & Inventory of Critical Nursery Hab of Red Drum in FL).

13.0.01, GASAFDFI (Estab & Conduct a TED Technology Dev and Transfer Program).

The remaining 25 projects requesting a total of \$1,531,100 were held over for further discussion on the following day.

The first day's session was adjourned at 5:00 pm to reconvene at 9:00 am on the following day.

Wednesday, June 20, 1990

Chairman Bob Shipp reconvened the meeting at 9:04 am. New sheets showing the 25 proposals remaining as a result of the first day's discussions were distributed.

It was the consensus of the members to discuss the "N" (not recommended) proposals first, going from back to front. Discussion and PMB members' approval of projects resumed.

The following projects were deferred indefinitely as the projects were felt to be inappropriate for FY90 MARFIN funding.

13.A.01, TX A&M Res. Foundation (Management Policies to Increase Econ Returns to Shrimp Fishery in GOM).

12.0.01, SE LA Univ. (Life History & Pop Assmt of Garfish in Estuarine Waters).

11.A.02, Univ. of FL (Hatchery Tech for Propagation of Fingerling Gulf Sturgeon).

9.B.01, E. Carolina Univ. (Limited Entry in Stone Crab Fishery: A Multi-Species Approach). (Send letter asking to come back next year if funds are available.)

9.C.03, LSU (Seasonal Abundance, Transport & Recruitment of Blue Crab in Bay Ecosyst).

3.A.01, TX A&M Res. Foundation (Population Genetic Studies of King Mackerel in GOM).

The following 19 projects were considered to be appropriate and approved for FY90 MARFIN funding.

12.B.01, LSU (Age Structure & Reprod Potential of NGOM Offshore Pop of Red Drum) at \$38,785.

4.K.01, ADCNR (Propagation & Dev of Rearing Techniq for Prod of Taggable Red Snapper into GOM) at a reduced funding level of \$10,000 and reduced scope to only do larval food analysis for red snapper.

4.H.01, Univ. of S. AL (Species Ident & Management of Amberjacks) at \$18,893 -- suggest remove section to estimate species composition in the recreational and commercial fisheries in the Gulf but include sufficient field sampling to get live specimens. (Note Southeast Fisheries Association will be happy to volunteer amberjack samples from a variety of locations).

13.D.01, GASAFDFI (Japanese & Taiwanese Trade Barrier Analysis for GOM Butterfish) -- suggest only do objectives 3 and 4 of project for \$50,000.

12.C.02, LSU (Larval Food, Growth & Microhabitat Select: Affecting Cruit of Depend Fish) at \$83,530.

7.B.01, TX A&M Res. Foundation (Social & Economic Characterization of GOM Rec & Com Shark Fisheries) -- suggest remove commercial aspect and fund at \$50,000.

5.B.01, FDNR (Investigations of Inshore & Offshore Pop Dynamics of Spanish Sardines in W FL) at \$50,906.

4.H.02, LSU (Mortality Rates & Movement of Hook & Line Caught & Released Red Snapper) at \$30,568 -- suggest eliminate 15 meter category and increase deeper replicates.

4.A.01, TPWD (Socioeconomic Impacts of Rec Reef Fish Fishermen in TX) at \$11,535 -- suggest add sociologist.

Nelson proposed NMFS' putting together an outline for a coordinated/integrated research plan for bycatch and then returning to the two applicants in question and asking them to do segments of priority work identified. Project 1.A.03, GASAFDFI (Management of Bycatch in Directed Com Fisheries in GOM) was suggested to be included at a reduced level of \$100,000. Project 1.A.01, Gulf Shrimp Res. & Dev. Found. (Finfish Excludg Gear in Shrimp Trawls in W GOM) was suggested to be included at \$47,135 (with the addition of observers) for one year only.

12.B.02, Univ. of TX at Austin (Dynamics of Estuarine & Offshore Red Drum Stocks) at \$26,393.

1.A.02, Southeast Fish. Assoc. (Conf on Reduction of Bycatch Shrimp Trawlg Operations & Alter Harvtg) at \$31,650 -- suggest include New England and Hawaii.

3.A.03, Mote Marine Lab (Cobia, Amberjack, Dolphin Migration & Life History Study Off SW FL) at reduced level of \$75,000 with deletion of dolphin.

4.H.03, TX A&M Res. Foundation (Genetic Studies to Det Stock Structure of Reef Fishes n GOM: Phase 1) at \$54,623.

9.C.02, Marine Environmental Sciences Consortium (Recruitment & Habitat Util by Blue Crab: Importance of Juv Nursery Habitat) at \$58,287.

4.B.01, CMRC (Spawning Biology of Shallow-Water GOM Groupers) at \$76,350.

12.A.01, FDNR (Age Validation of Adult Black Drum in FL) at \$4,000 -- has to show personnel.

12.C.05, FDNR (Spawning Stock & Exploit/Escape of Black Mullet) at \$57,731.

Projects which had been previously deferred were considered again and listed in contingency in the following rank order:

1. 3.A.01, TX A&M Res. Foundation (Population Genetic Studies of King Mackerel in GOM) for \$69,614.

2. 3.A.02, Mote Marine Lab (K&S Mackerel Migration & Stock Assmt Study in SGOM) -- suggest eliminating tagging work and distribution information and possibly reducing to \$65,000.

3. 9.C.03, LSU (Seasonal Abundance, Transport & Recruitmt of Blue Crab in Bay Ecosyst) for \$60,575.

4. 10.B.01, LSU (Life History Characterization of Gulf Butterfish) for \$48,562.

There was discussion regarding the Gulf and South Atlantic Fisheries Development Foundation. West stated the DOC is withholding funds until audit questions are resolved. An appeal has been filed. If the situation is not cleared up, any projects approved for MARFIN funds could not go on to FARB.

The total amount of funding for approved projects was \$875,386, which would leave a reserve amount of \$18,000 for a reef fish plan.

Discussion of Plans for 1990 Technical Conference

"An Analysis of MARFIN Conference and Recommendations for Future Conferences" prepared by Cato was distributed (attachment 4) and discussed. There was a consensus to limit presentations to those PIs with completed or nearly completed projects and to try to increase the audience.

* C. Perret moved the PI conference be held in Orlando with Sea Fare in November. The motion was seconded.

* J. Cato amended the motion to allow L. Simpson and L. Hourihan to take the recommendations of the PMB to heart and make plans to hold the PI conference in November with Sea Fare. The amended motion carried unanimously.

It was concluded that November was too late to set priorities for the Federal Register notice. It was recommended that Ekberg distribute a "straw" notice to PMB members ahead of the next meeting. The PMB will meet in New Orleans on Monday, September 17 from 12:00 noon - 5:00 pm to set priorities for FY91.

New Business

Ekberg distributed the draft FY89 Annual Report and asked for comments to be mailed to him. He stated he would like to see more accomplishments included. He also briefly reviewed the history of MARFIN.

A discussion ensued regarding distribution of funds. Table 4 in the Annual Report shows a breakdown of funds going to Universities, States, Industry and NMFS.

The June 13-14, 1989 meeting minutes were approved as written.

Simpson will check with State Directors regarding the Gulf States representative as the term is expired.

Simpson asked for permission to reprint copies of the MARFIN document. It was agreed to reprint 100 copies. There was discussion regarding revising the five-year plan with a focus on key issues.

There being no further business the meeting was adjourned at 3:10 pm.

FY 1990 MARFIN NMFS PROJECTS

12/04/89

| PROJ# | APPNAME | PROJNAME | PI | STARTDATE | ENDDATE | YR/TYBS | \$AMOUNT |
|----------|--------------------|---|--------------------|-----------|----------|---------|----------------|
| 90NMFS01 | SERD, EKBERG | MARFIN PROGRAM MANAGEMENT | EKBERG, DONALD | 10/01/89 | 09/30/90 | 1/1 | \$75,000.00 |
| 90NMFS02 | SERD, SCHMIED | EDUC. TOOLS FOR MAR. REC. FISHERMEN TO PROMOTE WISE USE & CONSERVATION OF GULF FISHERY RES. | SCHMIED, RON | 10/01/89 | 09/30/90 | 1/1 | \$16,000.00 |
| 90NMFS03 | SERD, PLATT/WATERS | ECONOMIC DATA COLLETION FOR THE GULF OF MEXICO REEF FISH FISHERY | PLATT/WATERS | 01/01/90 | 12/31/90 | 1/1 | \$100,000.00 |
| 90NMFS06 | SEFC, KEMMERER | LATENT RESOURCES RESEARCH IN GOM | KEMMERER, ANDREW | 10/01/89 | 09/30/90 | 1/1 | \$460,000.00 |
| 90NMFS07 | SEFC, KEMMERER | SHRIMP TRAWL BYCATCH REDUCTION | SEIDEL, WILBER | 10/01/89 | 09/30/90 | 1/1 | \$200,000.00 |
| 90NMFS08 | SEFC, KLIMA | EVAL. OF THE IMPACTS OF TED ON SHRIMP CATCH RATES IN GOM | KLIMA, ED | 10/01/89 | 01/31/91 | 1/2 | \$107,000.00 |
| 90NMFS09 | SEFC, NELSON | EASTERN GULF REEF FISH CATCH AND EFFORT DATA | BOHNSACK, JAMES | 03/01/90 | 03/01/91 | 1/1 | \$55,000.00 |
| 90NMFS10 | SEFC, KEMMERER | TED TECHNOLOGY TRANSFER | SEIDEL, WILBER | 10/01/89 | 09/30/90 | 1/1 | \$45,000.00 |
| 90NMFS11 | SEFC, KLIMA | CONT. OF IMPROVED SEA TURTLE STRANDING AND SALVAGE NETWORK (STSSN) IN SHRIMP STATISTICAL SUBAREAS 17-21, SW LA AND TX | CAILLOUET, CHARLES | 10/01/89 | 09/30/91 | 1/2 | \$40,000.00 |
| 90NMFS12 | SEFC, NAKAMURA | COASTAL RESOURCES RESEARCH IN THE SE | NAKAMURA, GENE | 10/01/89 | 09/30/90 | 1/1 | \$205,000.00 |
| Total | | | | | | | \$1,303,000.00 |

| PROJECT # | APPLICANT | PRINCIPAL INVESTIGATOR | PROJECT NAME | YR/TYRS | START DATE | END DATE | \$ REQUESTED YEAR 1 | \$ REQUESTED YEAR 2 | \$ REQUESTED YEAR 3 | TOTAL \$ REQUESTED | AVERAGE SCORE | # OF REVIEWS | NWFS RECOMMENDATION |
|-------------|------------------------------------|----------------------------|--|---------|------------|----------|---------------------|---------------------|---------------------|--------------------|---------------|--------------|---------------------|
| 90NF01.A.01 | GULF SHRIMP RES & DEV FUND | GIBBS, LUCY | FINFISH EXCLUDG GEAR IN SHRIMP TRAMLS IN W. GOM | 1/2 | 10/01/90 | 09/30/92 | \$47,135.00 | \$51,635.00 | | \$98,770.00 | 66 | 8 | R |
| 90NF01.A.02 | SOUTHEAST FISHERIES ASSOC | JONES, ROBERT | CONF ON REDUCTION OF BYCATCH SHRIMP TRAMLG OPERATIONS & ALTER HARVTS | 1/2 | 11/01/90 | 11/01/92 | \$31,650.00 | \$99,850.00 | | \$131,300.00 | 75 | 6 | R+ |
| 90NF01.A.03 | GSADF | JARVIS, JUDY | MANAGEMENT OF BYCATCH IN DIRECTED COMMERCIAL FISHERIES IN GOM | 1/1 | 10/01/90 | 09/30/91 | 146,858.00 | | | \$146,858.00 | 76 | 5 | R |
| 90NF02.A.01 | NATIONAL FISH MEAL & OIL ASSOC. | LASSEN, THOR ET.AL. | ENHANCEMENT OF MENHADEN OIL FOR HUMAN CONSUMPTION | 1/1 | 06/01/90 | 09/30/91 | 143,390.00 | | | \$143,390.00 | 84 | 5 | R |
| 90NF03.A.01 | TX A&R RES FUND | GOLD, JOHN DR. | POPULATION GENETIC STUDIES OF KING MACKEREL IN GOM | 1/2 | 01/02/91 | 12/31/92 | \$69,614.00 | \$74,141.00 | | \$143,755.00 | 89 | 5 | R |
| 90NF03.A.02 | NOTE MARINE LAB | BURNS, KAREN | K & SPANISH MACKEREL MIGRATION & STOCK ASSEST STUDY IN SGM | 1/1 | 11/01/90 | 12/31/91 | \$99,675.00 | | | \$99,675.00 | 86 | 4 | R+ |
| 90NF03.A.03 | NOTE MARINE LAB | BURNS, KAREN ET.AL. | COBIA, AMBERJACK, DOLPHIN MIGRATION & LIFE HISTORY STUDY OFF SW FL | 1/1 | 11/01/90 | 12/31/91 | \$96,850.00 | | | \$96,850.00 | 81 | 5 | R+ |
| 90NF04.A.01 | TX PARKS & WILDLIFE DEPT | HATLOCK, GARY DR. ET.AL. | SOCIOECONOMIC IMPACTS OF REC REEF FISH FISHERMEN IN TX | 1/1 | 10/01/90 | 09/30/91 | \$11,535.00 | | | \$11,535.00 | 80 | 5 | R |
| 90NF04.B.01 | CARIBBEAN MARINE RES CENTER (CMRC) | COLIN, PATRICK DR. ET.AL. | SPAWING BIOLOGY OF SHALLOW-WATER GOM GROUPERS | 1/2 | 09/01/90 | 08/31/92 | \$76,350.00 | \$83,539.00 | | \$159,889.00 | 82 | 5 | N |
| 90NF04.B.01 | UNIV OF MIAMI | EHRHARDT, NELSON DR. | METHOD TO SOLVE PROBLEMS OF COMPETITION BETWEEN REC & COM REEF FISHERIES IN W FL | 1/1 | 12/01/90 | 11/30/91 | \$68,942.00 | | | \$68,942.00 | 42 | 5 | N |
| 90NF04.B.01 | UNIV OF W FL | BORTONE, STEPHEN DR. | DETERING ATTRIBUTES OF ART REEFS & SITE LOCATION TO ENHANCE PRODUCTIVITY | 1/3 | 09/01/90 | 12/31/93 | \$49,503.00 | \$53,142.00 | \$57,143.00 | \$159,788.00 | 66 | 5 | N |
| 90NF04.B.02 | NOVA UNIV OCEANOGRAPHIC CENTER | LANDMEIER, DENNIS | ART REEFS AS MITIGATION FOR MARINA & DOCKG FACILITY IMPACTS | 1/1 | 07/01/90 | 06/30/91 | \$58,625.00 | | | \$58,625.00 | 38 | 6 | N |
| 90NF04.H.01 | UNIV OF S AL | NEAFEE, BRIDGET | SPECIES IDENT AND MANAGEMENT OF AMBERJACKS | 1/1 | 10/01/90 | 09/30/91 | \$18,893.00 | | | \$18,893.00 | 80 | 5 | N |
| 90NF04.H.02 | LA STATE UNIV | RENDER, JEFFREY DR. ET.AL. | MORTALITY RATES & MOVEMENT OF HOOK&LINE CAUGHT & RELEASED RED SNAPPER | 1/2 | 10/01/90 | 09/30/92 | \$30,568.00 | \$47,653.00 | | \$78,223.00 | 74 | 5 | R |
| 90NF04.H.03 | TX A&R RES FUND | GOLD, JOHN DR. | GENETIC STUDIES TO DET STOCK STRUCTURE OF REEF FISHES IN GOM: PHASE I | 1/1 | 10/01/90 | 09/30/91 | \$54,623.00 | | | \$54,623.00 | 70 | 5 | R+ |

| PROJECT # | APPLICANT | PRINCIPAL INVESTIGATOR | PROJECT NAME | YR:YRS | START DATE | END DATE | \$ REQUESTED YEAR 1 | \$ REQUESTED YEAR 2 | \$ REQUESTED YEAR 3 | TOTAL \$ REQUESTED | AVERAGE SCORE | # OF REVIEWS | NMFS' RECOMMENDATION |
|-------------|-----------------------------|----------------------------|--|--------|------------|----------|---------------------|---------------------|---------------------|--------------------|---------------|--------------|----------------------|
| 90WF04.K.01 | AL DEPT CONS & NAT RES | HINTON, R. VERNON ET.AL. | PROPAGATION & DEV OF REARING TECHNIQ FOR PROD OF TAGGABLE RED SNAPPER INTO GOM | 1/2 | 10/01/90 | 09/30/92 | \$60,000.00 | \$60,000.00 | | \$120,000.00 | 61 | 5 | N |
| 90WF04.K.02 | UNIV OF TX AT AUSTIN | HOLT, G. JOAN DR.ET.AL. | EARLY LIFE HISTORY STUDIES OF RED SNAPPER | 1/2 | 10/01/91 | 09/30/92 | \$53,344.00 | \$55,772.00 | | \$109,116.00 | 88 | 6 | R |
| 90WF04.K.03 | MS STATE UNIV | ROBINETTE H.A. DR. | DEV OF REARING TECHND FOR EARLY LIFE HISTORY STAGES OF RED SNAPPER | 1/2 | 01/01/91 | 12/31/92 | \$88,345.00 | \$85,485.00 | | \$173,830.00 | 59 | 4 | N |
| 90WF05.A.01 | MS STATE UNIV | KIR, JIN DR. ET.AL. | COASTAL HERRING PROCESSING AND PRODUCT EVAL. | 1/2 | 09/01/90 | 08/31/92 | 101,920.00 | \$108,550.00 | | \$210,470.00 | 67 | 4 | R |
| 90WF05.A.02 | MS STATE UNIV | PDTE, JONATHAN DR. ET.AL. | REL OF FISH QUAL & ENERGY USE AS FUNCTION OF FREEZE METHOD FOR COASTAL HERRG | 1/1 | 10/01/90 | 09/30/90 | \$77,870.00 | | | \$77,870.00 | 52 | 4 | N |
| 90WF05.B.01 | FLDNR | SUTTER, FREDERICK ET.AL. | INVESTIGATIONS OF INSHORE & OFFSHORE POP DYNAMICS OF SPANISH SARDINES IN N.FL | 1/1 | 02/01/91 | 01/31/92 | \$50,906.00 | | | \$50,906.00 | 78 | 4 | R |
| 90WF05.E.01 | UNIV OF S FL | WILSON, RAYMOND JR. DR. | STUDY OF GENETIC MIXING AMONG FISHERY STOCKS OF SPANISH SARDINE | 1/2 | 02/01/91 | 01/31/93 | \$56,523.00 | \$47,622.00 | | \$104,145.00 | 82 | 4 | R |
| 90WF07.A.01 | UNIV OF S FL | WILSON, RAYMOND JR. DR. | STUDY OF GENETIC STOCK STRUCTURE OF BLACKTIP SHARK IN GOM & CARIBBEAN | 1/3 | 03/01/91 | 02/28/94 | \$72,399.00 | \$54,339.00 | \$60,668.00 | \$187,406.00 | 58 | 4 | N |
| 90WF07.A.02 | UNIV OF S AL | DONACHY, JULIE DR. | ELECTROPHORETIC IDENT OF SHARKS USING SKELETAL MUSCLE & BLOOD | 1/2 | 07/01/90 | 06/30/92 | \$45,695.00 | \$46,280.00 | | \$91,975.00 | 50 | 4 | N |
| 90WF07.B.01 | TX A&N RES FOUND | DITTON, ROBERT DR. | SOCIAL & ECONOMIC CHARACTERIZATION OF GOM REC & COM SHARK FISHERIES | 1/1 | 10/01/90 | 09/30/91 | \$87,938.00 | | | \$87,938.00 | 84 | 5 | R |
| 90WF08.A.01 | UNIV OF CA | CHANG, GEORGE DR. | SIMPLE ONE-DAY TEST FOR COLIFORMS AND E.COLI IN OYSTERS AND SEAWATER | 1/3 | 07/01/90 | 06/30/93 | \$62,383.00 | \$69,650.00 | \$75,774.00 | \$200,649.00 | 85 | 5 | N |
| 90WF08.A.02 | MS STATE UNIV | HOMZIAK, JURIJ DR. ET.AL. | EVAL OF ON-SHORE DEPURATION OF GULF OYSTERS | 1/1 | 10/01/90 | 09/30/91 | 144,830.00 | | | \$144,830.00 | 65 | 7 | N |
| 90WF09.B.01 | OLD DOMINION UNIV RES FOUND | BUTLER, MARK DR. ET.AL. | LIMITS TO FL SPINY LOBSTER RECRUITMENT: ASSESSMT OF ART ENHANCMT TECHQ | 1/3 | 09/01/90 | 02/28/93 | \$71,354.00 | \$69,844.00 | \$6,338.00 | \$147,536.00 | 92 | 4 | N |
| 90WF09.A.01 | MS STATE UNIV | BURRAGE, DAVE | DEV PROTOTYPE METHOD OF EST REC IMPACT ON GOM BLUE CRAB FISHERY | 1/1 | 10/01/90 | 09/30/91 | \$32,505.00 | | | \$32,505.00 | 67 | 4 | N |
| 90WF09.B.01 | E CAROLINA UNIV | ORBACH, MICHAEL DR. ET.AL. | LIMITED ENTRY IN STONE CRAB FISHERY: A MULTI-SPECIES APPROACH | 1/2 | 01/01/91 | 12/31/92 | \$99,256.00 | \$80,918.00 | | \$180,174.00 | 69 | 5 | N |
| 90WF09.C.01 | AL DEPT CONS & NAT RES | HEATH, S. ET.AL. | ASSESSMENT OF AL BLUE CRAB STOCKS | 1/1 | 04/01/91 | 03/31/92 | \$60,000.00 | | | \$60,000.00 | 60 | 4 | N |

| PROJECT # | APPLICANT | PRINCIPAL INVESTIGATOR | PROJECT NAME | YR/TYRS | START DATE | END DATE | \$ REQUESTED YEAR 1 | \$ REQUESTED YEAR 2 | \$ REQUESTED YEAR 3 | TOTAL \$ REQUESTED | AVERAGE SCORE | # OF REVIEWS | RE | STATUS |
|-------------|--|----------------------------|---|---------|------------|----------|---------------------|---------------------|---------------------|--------------------|---------------|--------------|----|--------|
| 90NF09.C.02 | MARINE ENVIRONMENTAL SCIENCES CONSORTIUM | MORGAN, STEVEN DR. ET.AL. | RECRUITM & HABITAT UTIL BY BLUE CRAB: IMPORTANCE OF JUV NURSERY HABITAT | 1/2 | 10/01/90 | 09/30/92 | \$58,287.00 | \$59,861.00 | | \$118,148.00 | 88 | 5 | | H |
| 90NF09.C.03 | LA STATE UNIV | POWER, JAMES DR. | SEASONAL ABUNDANCE, TRANSPORT, & RECRUITM OF BLUE CRAB IN BAY ECOSYST | 1/3 | 10/01/90 | 09/30/93 | \$60,575.00 | \$61,449.00 | \$45,563.00 | \$167,587.00 | 82 | 5 | | R |
| 90NF09.C.04 | FLDNR | BERT, THERESA DR. ET.AL. | GENETIC STOCK IDENT OF BLUE CRAB POP WITH EMPHASIS ON GOM POP | 1/3 | 10/01/90 | 09/30/93 | \$35,446.00 | \$41,779.00 | \$42,512.00 | \$119,737.00 | 92 | 5 | | R |
| 90NF10.B.01 | LA STATE UNIV | ALLEN, ROBERT | LIFE HISTORY CHARACTERIZATION OF GULF BUTTERFISH | 1/2 | 10/01/90 | 09/30/92 | \$48,562.00 | \$51,578.00 | | \$100,140.00 | 82 | 5 | | R+ |
| 90NF10.C.01 | GULF SHRIMP RES & DEV FOUND, INC | GIBBS, LUCY | INTEGRATED ASSESSMT OF BYCATCH ISSUES IN N. GOM | 1/2 | 09/01/90 | 08/31/90 | 125,307.00 | \$130,142.00 | | \$225,449.00 | 53 | 8 | | N |
| 90NF11.A.01 | UNIV OF RHODE ISLAND | WOLKE, RICHARD DR., ET.AL. | INVESTIGATE ACUTE ANOIXIA IN SEA TURTLES & DEV MTHODS OF RESUSCITATION | 1/2 | 10/01/90 | 09/30/92 | 103,441.00 | \$99,830.00 | | \$203,271.00 | 40 | 5 | | N |
| 90NF11.A.02 | UNIV OF FL | CHAPMAN, FRANK | HATCHERY TECH FOR PROPAGATION OF FINGERLING GULF STURGEON | 1/1 | 01/01/91 | 01/01/92 | \$24,519.00 | | | \$24,519.00 | 85 | 5 | | N |
| 90NF11.A.03 | TX A&M RES FOUND | SIS, RAYMOND, DR. ET.AL. | ASSESSMENT OF NONSHRIMP MORTALITY OF SEA TURTLES | 1/3 | 02/01/91 | 09/30/93 | \$71,985.00 | \$97,758.00 | \$101,147.00 | \$270,890.00 | 70 | 5 | | R |
| 90NF11.A.04 | FLDNR | FOLEY, ALLEN | SYSTEMATIC SURVEY FOR STRANDED SEA TURTLES IN STATISTICAL ZONES 4 & 5 | 1/1 | 10/01/90 | 09/30/91 | \$63,817.00 | | | \$63,817.00 | 90 | 3 | | H |
| 90NF12.O.01 | SE LA UNIV | HASTINGS, ROBERT DR. | LIFE HISTORY & POP ASSESSMT OF GARFISH IN ESTUARINE WATERS | 1/2 | 09/01/90 | 09/30/92 | \$38,790.00 | \$33,158.00 | | \$71,948.00 | 83 | 4 | | N |
| 90NF12.A.01 | FLDNR | MURPHY, MICHAEL ET.AL. | AGE VALIDATION OF ADULT BLACK DRUM IN FL | 1/3 | 02/01/91 | 01/31/92 | \$4,000.00 | \$4,000.00 | \$4,000.00 | \$12,000.00 | 87 | 5 | | H |
| 90NF12.B.01 | LA STATE UNIV | WILSON, CHARLES DR. ET.AL. | AGE STRUCTURE & REPROD. POTENTIAL OF MSON OFFSHORE POP OF RED DRUM | 1/2 | 10/01/90 | 09/30/92 | \$38,785.00 | \$38,785.00 | | \$77,570.00 | 80 | 6 | | N |
| 90NF12.B.02 | UNIV OF TX AT AUSTIN | FUJIAN, LEE DR. | DYNAMICS OF ESTUARINE & OFFSHORE RED DRUM STOCKS | 1/2 | 09/01/90 | 02/28/91 | \$26,393.00 | \$21,013.00 | | \$47,406.00 | 71 | 5 | | R+ |
| 90NF12.C.01 | TX A&M RES FOUND | ALDRICH, DAVID DR. | BEHAVIORAL RESPONSES OF POSTLARVAL SHRIMP ESTUARINE OLFACTANTS | 1/2 | 07/01/90 | 06/03/92 | \$54,742.00 | \$61,130.00 | | \$115,872.00 | 74 | 5 | | R |
| 90NF12.C.02 | LA STATE UNIV | BALTZ, DONALD DR. ET.AL. | LARVAL FOOD, GROWTH & MICRONHABITAT SELECT; AFFECTING CRUIT OF DEPEND. FISH | 1/1 | 02/01/91 | 01/31/92 | \$83,530.00 | | | \$83,530.00 | 85 | 4 | | R |
| 90NF12.C.03 | GULF COAST RES LAB | STEEN, JOHN ET.AL. | EFFECT OF EDDIES & FRONTS ON LARVAL OF RECRUITM SELECTED COMM SPECIES | 1/3 | 10/01/90 | 09/30/93 | 158,262.00 | \$163,422.00 | \$167,488.00 | \$489,172.00 | 72 | 5 | | N |

| PROJECT # | APPLICANT | PRINCIPAL INVESTIGATOR | PROJECT NAME | YR/TYRS | START DATE | END DATE | \$ REQUESTED YEAR 1 | \$ REQUESTED YEAR 2 | \$ REQUESTED YEAR 3 | TOTAL \$ REQUESTED | AVERAGE SCORE | # OF REVIEWS | NWFS RECOMMENDATION |
|-------------|----------------------|------------------------|--|---------|------------|----------|---------------------|---------------------|---------------------|--------------------|---------------|--------------|---------------------|
| 90NF12.C.04 | UNIV OF TX AT AUSTIN | HOLT, SCOTT ET.AL. | LOC OF SPAWING SITES & IMMIGRATION TO NURSERY GROUNDS IN SPOTTED SEATROUT | 1/1 | 01/01/91 | 12/31/91 | \$85,778.00 | | | \$85,778.00 | 88 | 6 | R |
| 90NF12.C.05 | FLDNR | MAHMOUDI, BEHZAD DR. | SPAWING STOCK AND EXPLOIT/ESCAPE OF BLACK MULLET | 1/1 | 10/01/90 | 09/30/91 | \$57,731.00 | | | \$57,731.00 | 88 | 4 | H |
| 90NF12.C.06 | NOTE MARINE LAB | EDWARDS, RANDY DR. | IDENT, CHAR, & INVENTORY OF CRITICAL NURSERY HAB OF RED DRUM IN FL | 1/1 | 07/15/90 | 06/30/91 | \$49,672.00 | | | \$49,672.00 | 86 | 4 | N |
| 90NF12.C.07 | LA STATE UNIV | BALTZ, DONALD | INFLUENCE OF MICROHABITAT SELECTION ON GROWTH & PREDATION OF ESTUAR. DEP. FISHES | 1/1 | 10/01/91 | 09/30/91 | \$57,929.00 | | | \$57,929.00 | 83 | 5 | R |
| 90NF13.O.01 | GLSADF | JAMISON, JUDY | ESTAB & CONDUCT A TED TECHNOLOGY DEV AND TRANSFER PROGRAM | 1/1 | 10/01/90 | 09/30/91 | 124,320.00 | | | \$124,320.00 | 59 | 5 | N |
| 90NF13.A.01 | TX AM RES FOUND | GRIFFIN, WADE DR. | MANAGEMENT POLICIES TO INCREASE ECON RETURNS TO SHRIMP FISHERY IN GOM | 1/2 | 01/01/91 | 12/31/92 | 141,107.00 | \$146,408.00 | | \$287,515.00 | 70 | 5 | N |
| 90NF13.D.01 | GLSADF | JAMISON, JUDY | JAPANESE & TAIWANESE TRADE BARRIER ANALYSIS FOR GOM BUTTERFISH | 1/1 | 10/01/90 | 09/30/91 | 115,207.00 | | | \$115,207.00 | 83 | 4 | R |

TOTALS:

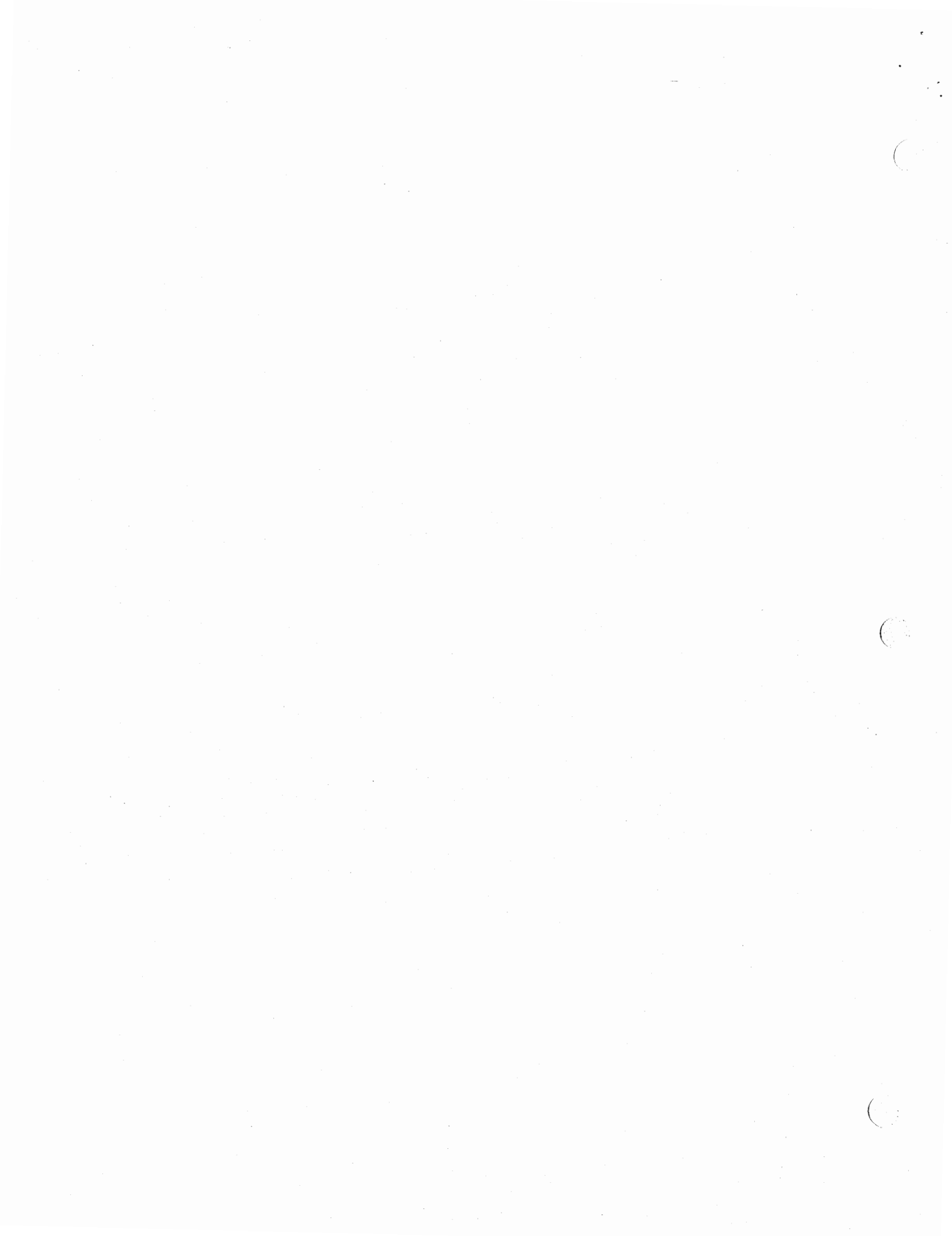
3797664.00 2,098,535.00 \$560,633.00 6,419,674.00

↑

NATIONAL MARINE FISHERIES SERVICE
 SOUTHEAST REGION
 FY 90 MARFIN ALLOCATION

| | | |
|--------------------------|-------|--------|
| INITIAL ALLOCATION: | | 3000.0 |
| COMMITMENTS: | | |
| REGIONAL OFFICE (ADMIN.) | 75.0 | |
| RECREATIONAL FISHERIES | 16.0 | |
| ECONOMICS | 100.0 | |
| MISSISSIPPI LABORATORIES | 705.0 | |
| GALVESTON LABORATORY (A) | 152.0 | |
| PANAMA CITY LABORATORY | 205.0 | |
| MIAMI LABORATORY | 55.0 | |
| SUBTOTAL | | 1308.0 |
| CONTRACT(S): | | |
| GSMFC (ADMIN.) | 73.7 | |
| SUBTOTAL | | 73.7 |
| OTHER: | | |
| POSTAGE | 2.0 | |
| MULTI-YEAR AWARDS | 726.0 | |
| SUBTOTAL | | 728.0 |
| BALANCE REMAINING: | | 890.3 |

(A) INCLUDES \$5.0K FOR COOPERATIVE AGREEMENT
 WITH TEXAS A&M (GRIFFIN)



Analysis of MARFIN Conference and Recommendations for Future Conferences

Introduction

This document is written to provide an analysis of the first two MARFIN Conferences and make recommendations for future conferences. The goal is to increase the efficiency of the conference for the industry, academia and government agencies that can utilize the information presented, and to design a conference that will develop future MARFIN research priorities, evaluate project performance, and provide a forum for coordination of projects.

Complaints heard regarding the first two conferences include:

- Each person not given enough presentation time.
- Two days required (travel, etc.) for a 15 minute presentation.
- Covering so many species areas makes the conference too diverse to maintain an interested and cohesive audience.
- Asking researchers to make presentations on work before time is allowed to complete the work.
- No mechanism included to help PMB develop priorities.
- Low attendance from all sectors.

1988 Conference

A total of 42 presentations were made during the 1988 conference (See Table 1). Of that total, 13 presentations were on projects that were complete. Another 14 were on projects that were almost complete. Some of these 14 were likely projects that actually were to be continued but time was not sufficient to make such a detailed analysis. The remaining 15 projects were clearly still in progress with substantial time left for work to be completed. Of the eight MARFIN conference categories, the most presentations were in estuarine fish (Table 3). In general, it appears that only 27 projects (Table 1; categories 1 and 2) were ready for presentation.

1989 Conference

A total of 52 presentations were made (Table 2). Of these, 23 were repeated presentations from the 1988 conference on multi-year projects. All but 4 were actually completed and those four were near completion. Five more were complete and this was the first conference presentation for each. Another eight were almost complete at conference time and 16 more needed substantial time for completion. The categories of presentation were about the same as during 1988 with the exception of shrimp which had more projects during 1989. In general, it appears that at most 36 projects were ready for presentation (Table 2;

categories 1 through 4). This number actually would be lower since it may not have been necessary to repeat some of the presentations that were made in 1988.

Recommendations

1. A subcommittee of the MARFIN PMB be appointed to help plan the annual conference (or at least react to a written conference agenda prepared by NMFS staff). This conference plan and agenda should be prepared at least six months prior to the conference and speakers notified of the dates selected.
2. The conference continue to be scheduled for two days (without an evening session). One and one-half days should be scheduled for technical presentations.
3. Technical presenters should be selected by the staff and proposed to the committee and be limited to 20 to 25 presentations. Only those with completing projects should be selected for presentation. Some would argue that having all presenters there helps check progress. However, that is the role of the NMFS project monitor. This smaller number would give each about 20 minutes, and allow more for discussion. On some occasions we might want mid term results presented on multiyear projects or for projects that were not complete when the conference focus was on a special topic.
4. Each project presenter be required to make recommendations for future research as part of the presentation. This should be made available at the time of the presentation (one page or less).
5. Each presenter would be required to provide an abstract with figures and tables prior to the conference for general distribution and for use in the MARFIN Annual report.
6. Having fewer presenters also would leave open the option of selecting just completing projects or focusing the entire conference on topical areas such as shrimp or estuarine fish.
7. The last one-half day of the conference should be devoted to two one and one-half hour panels of invited participants from industry, academia and government. Perhaps four persons per panel should be asked to present problems and research priorities for the segment they represent. They should be required to present them in writing. Two subjects should be covered (one per panel) at each conference with the idea of the panels helping develop priorities for the next 3 - 4 years for that topic (i.e., turtles, reef fish, etc.). Panel members should

not be PMB members or current researchers with MARFIN funding. MARFIN should pay for travel and expenses of the panel members and give them a specific charge to help insure adequate participation. Each MARFIN funding area would thus get in depth attention every 3 or 4 years.

Another alternative would be to have three panels (one each for academia, industry and government) and address only one species group each year. Each panel could be for one hour. They also might meet concurrently and then report back during a combined panel discussion.

8. A final recommendation would be to associate the conference in some way with one to publicize the results of S-K funded projects. This might be accomplished if NMFS took responsibility for the S-K portion and there was not too much "presenter overlap." That is, if many of the presenters are the same, they might resist such a time commitment. This recommendation will need full discussion and is only offered as an idea concept at this time. Another option would be to hold MARFIN and/or S-K conferences in association with Sea Fare in Orlando in November of each year. This would give a built in audience to some degree.
9. The MARFIN PMB should meet the next morning and use the priorities turned in by the researchers, and panel members to help define Federal Register priorities.

**Table 1. Project Presentation Data on September, 1988
MARFIN Conference**

| Categories of Projects Presented | Number |
|---|----------|
| 1. Projects completed by at least 1-12 months | 13 |
| 2. Projects underway at least 11 months with 1-2 months left | 14* |
| 3. Projects underway 8-10 months with 3 months left | 3* |
| 4. Projects underway 8-10 months with 3 months left | 11 |
| 5. Projects underway 5 months with 6 months left | <u>1</u> |
| Total | 42 |

* Some of these projects may have asked for additional second year funding.

Table 2. Project Presentation Data on September, 1989
MARFIN Conference

| Categories of Projects Presented | Number |
|--|-----------|
| 1. Project presentations repeated from 1988 conference | 23 |
| a. Projects of 20-35 months duration completed by 1 to 12 months before conference -19 | |
| b. Projects of 22-23 months duration needing 1 to 3 months for completion -4 | |
| 2. Projects over by 8 months | 1 |
| 3. Projects underway 20 - 23 months and complete | 4 |
| 4. Projects underway 4 - 14 months and almost complete | 8 |
| 5. Projects underway 6 - 25 months with 3 - 25 months left | <u>16</u> |
| TOTAL | 52 |

Table 3. Categories of Presentations at 1988 and 1989
MARFIN Conferences.

| Project Presentation Categories | Number of Presentations | | | |
|---------------------------------|-------------------------|-----------|----------|----------|
| | 1988 | | 1989 | |
| | Number | % | Number | % |
| Reef Fish | 3 | 7 | 4 | 8 |
| Coastal Herrings | 3 | 7 | 3 | 6 |
| Crabs/Lobsters | 1 | 2 | 3 | 6 |
| Estuarine Fish | 13 | 31 | 16 | 31 |
| Marine Mammals | 6 | 14 | 2 | 4 |
| Coastal Pelagics | 8 | 19 | 10 | 19 |
| Shrimp | 4 | 10 | 10 | 19 |
| General | <u>4</u> | <u>10</u> | <u>4</u> | <u>8</u> |
| TOTAL | 42 | 100 | 52 | 101 |

TCC SEAMAP SUBCOMMITTEE
CONFERENCE CALL
MINUTES
June 29, 1990

APPROVED BY:


COMMITTEE CHAIRMAN

Roll was called at 10:00 a.m. Those present on the call were:

Members

Barney Barrett, LDWF, Baton Rouge, LA
Joe Kimmel, FDNR, St. Petersburg, FL
Scott Nichols, NMFS, Pascagoula, MS
Terry Cody, TPWD, Rockport, TX
Walter Tatum, ADCNR, Gulf Shores, AL
Dick Waller, GCRL, Ocean Springs, MS

Staff

David Donaldson, SEAMAP Coordinator

Others

Ken Savastano, NMFS, Stennis Space Center, MS
Walter Nelson, NMFS, Pascagoula, MS

W. Tatum asked each participant to state any budgetary changes in their program for FY1991.

Florida - J. Kimmel asked for an additional \$4,000 for salary increases. Projects will stay the same as last year.

Mississippi - D. Waller stated no change in funding from last year's amount.

Commission - D. Donaldson requested an additional \$6,000 for added travel.

NMFS - W. Nelson stated last years funding of \$233,000 would be needed. K. Savastano stated that the data management program needed at least last year's funding of \$80,000 (\$15,000 from SEFC; \$65,000 from SEAMAP).

Louisiana - B. Barrett stated funding would remain the same as last years.

Texas - T. Cody stated no changes in SEAMAP plans and last year's funding would be adequate.

Alabama - W. Tatum requested an increase of \$15-20,000 for reef fish sampling project.

W. Tatum stated the need for a Gulf-wide survey of reef fish. Although it is tentative, there is a possibility of an additional

SEAMAP CONFERENCE CALL

June 29, 1990

Page -2-

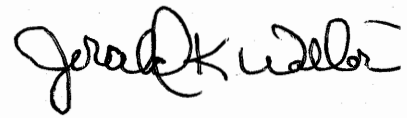
\$400,000 for SEAMAP in FY1991. SEAMAP members need to be prepared for this possibility and come up with estimates for a reef fish survey for their state.

B. Barrett stated that Louisiana samples only 1/3 of their coast due to financial limitations. Subcommittee may consider using extra money to increase sampling of Louisiana's coast.

* S. Nichols suggested that the Adult Finfish Work Group meeting scheduled for July would be premature. He suggested that the meeting be held after the Joint SEAMAP meeting. S. Nichols moved that in lieu of the Adult Finfish Work Group meeting, he would produce a document concerning the reef fish survey and send it to the work group members for their comments and estimated costs. He would then present this information to the Subcommittee at the SEAMAP-Gulf meeting in July. Motion was seconded and passed unanimously.

There being no further business, the conference call was concluded at 10:35 a.m.

LAW ENFORCEMENT COMMITTEE
July 12, 1990
MINUTES
Costa Mesa, California



Chairman Jerry Waller called a meeting of the LEC to order during the Interstate Shellfish Sanitation Conference. The following were in attendance:

Members

Jerald K. Waller, ADCNR/MRD, Dauphin Island, AL
Tommy Candies, LDWF, Baton Rouge, LA
Jim Robertson, TPWD, Austin, TX
Hank Boudreaux, MDWFP/BMR, Biloxi, MS (proxy - J. Gollott)
Lewis Shelfer, FMP, Tallahassee, FL (proxy - D. Ellingsen)

Others

Carl Covert, TPWD, Houston, TX
Jack King, TPWD, Corpus Christi, TX
Roy Gonzales, TPWD, Brownsville, TX

Interstate Transportation of Aquatic/Aquaculture Products Laws/Regulations

State input of pertinent legislation was gathered as agreed at the March 13, 1990 meeting, and an outline was drafted to begin the composition of model language regulations governing the shipment of seafood/aquaculture products (see attached). The committee outline suggests action in three specific areas: (1) licensing, (2) uniform records and invoicing, and (3) uniform size regulations. These points were discussed at length along with individual state regulations, and the committee drafted and approved to send a memo to apprise the GSMFC commissioners of the concordance and progress of the LEC (see attached). The LEC agree to transmit the draft outline with the memo to the commissioners.

Interstate Shipment of Red Drum and Spotted Seatrout in Texas

A program was presented by game wardens Lt. Jack King and Lt. Roy Gonzales from the Texas Parks and Wildlife Department. The information on records, invoices, and violations in the interstate shipment of these species provided some excellent ideas for drafting model language for regulations governing interstate shipment in general. The committee decided that a letter should be sent to the Executive Director of the Texas Parks and Wildlife Department commending Lts. King and Gonzales for their presentation and requesting their presence at the next meeting of the LEC to be held during the October 15-19, 1990 GSMFC annual meeting.

Comments at ISSC Meeting by FDA Advisor


Chairman Waller was requested by the committee to write a letter from the LEC to the ISSC expressing concern for the comment made by the Task Force I FDA advisor referring to patrol officers as "gun toters" and the committee chairman's comments from the committee considering Issue 107. Any FDA personnel who would address professional law enforcement officers as "gun toters" obviously has some problem with these officials and should not be evaluating patrol activities. The LEC felt comments stating that the main problem with shellfish related illnesses are lack of funds for classifying waters and inadequate enforcement are totally out-of-place. Further, there are many more problems than these and the NSSP manual states that when waters are not classified, they are to be closed. Preventing the harvest of shellfish from closed areas is difficult at best, but people also get sick from the consumption of shellfish from approved waters.

Adjourn

There being no further business, the meeting of the LEC was adjourned.

TCC SEAMAP SUBCOMMITTEE
MINUTES
Monday, July 23, 1990
Wednesday, July 25, 1990
Charleston, SC

APPROVED BY:


COMMITTEE CHAIRMAN

Vice Chairman Dick Waller called the meeting to order at 1:55 p.m.

The following members and others were present:

Members

Joe Kimmel, FDNR, St. Petersburg, FL
Terry Cody, (proxy for G. Matlock), TPWD, Rockport, TX
Scott Nichols, NMFS, Pascagoula, MS
Barney Barrett, LDWF, Baton Rouge, LA
Dick Waller, GCRL, Ocean Springs, MS
Walter Tatum, ADCNR, Gulf Shores, AL (7/25/90)

Staff

David Donaldson, SEAMAP Coordinator
Larry Simpson, Executive Director
Eileen Benton, Administrative Assistant

Others

K. Savastano, NMFS, Stennis Space Center, MS
B. Brown, NMFS, Miami, FL (7/25/90)

Members Absent

Wayne Swingle, GMFMC, Tampa, FL

Adoption of Agenda

The agenda was approved as written.

Adoption of Minutes

The minutes of the meeting held March 12, 1990 in Orange Beach, AL and the conference call held on June 29, 1990 were approved as written.

Administrative Report

D. Donaldson reported that as of May 31, 1990, \$33,601.32 is available in the SEAMAP administrative budget.

The next subcommittee meeting will be held in conjunction with the Fall GSMFC meeting at the Marriott Bay Point, Panama City, FL. The SEAMAP meeting is tentatively scheduled for Monday, October 15 beginning at 1:00 p.m.

D. Donaldson distributed cruise logs for the Alabama Shrimp/ Groundfish, Mississippi Shrimp/Groundfish, Florida Ichthyoplankton and Louisiana day/night surveys.

He reported that the 1986 Atlas has been distributed. The 1987 Atlas is 1/3 complete and tables and plots should be received by GSMFC by September. This Atlas should be out for review by the end of September. He also reported that NMFS has initiated paperwork on the 1988 Atlas and optimistically will be out for review by December.

Publications produced since the last meeting included the 1990 Marine Directory, 1988-89 Joint Annual Report, 1986 Atlas and a revised SEAMAP Shipboard Manual.

* B. Barrett moved to continue producing atlases in the same format and conduct a conference call by the Data Coordinating Work Group if necessary to review format changes in the future. Seconded and passed unanimously.

Activities and Budget Needs

D. Waller noted that the SEAMAP-Five Year Proposal which was submitted in 1985 ends this year and discussed the need for resubmitting a five-year proposal. The Subcommittee agreed on the need to develop this proposal and will discuss this with the Program Officer at the joint meeting.

Participants stated their budgetary requirements for FY1991 as follows:

FY 90
funding

| | |
|-----------|---|
| \$74,453 | <u>Florida</u> - J. Kimmel stated that Florida requests an additional \$4,000 for salary increases. (FY91 funding request \$78,453) |
| \$65,780 | <u>Alabama</u> - D. Waller stated that during the conference call W. Tatum requested an increase of \$15-20,000 for reef fish sampling. (FY91 funding request \$85,780) |
| \$95,573 | <u>Mississippi</u> - D. Waller stated that Mississippi will continue with same activities and requested no increases in FY91 funding. (FY91 funding request \$95,573) |
| \$116,547 | <u>Louisiana</u> - B. Barrett requested an additional \$2,000 due to salary increases. (FY91 funding request \$118,547) |
| \$45,744 | <u>Texas</u> - T. Cody stated no changes in their SEAMAP program and funding would remain the same. (FY91 funding request \$45,744) |

\$233,000 NMFS - S. Nichols requested same funding level as FY90. (FY91 funding request \$233,000)

\$93,476 Commission - D. Donaldson requested an increase to \$110,340 which includes office equipment, administrative travel and increase in funding for committee travel (\$6,000 if joint meeting held in Caribbean). (FY91 funding request \$110,340)

491,573 SEAMAP-Gulf FY91 funding request - \$535,437

\$233,000 NMFS FY91 funding request - \$233,000

* The Subcommittee discussed the Polish Sorting Center and alternatives. J. Kimmel moved that the Plankton Work Group consider alternative sources for plankton sorting. The motion was seconded and passed with Texas abstaining.

The Subcommittee discussed research needs if additional monies become available to the SEAMAP program. Items discussed included:

| | |
|----------------------------------|-----------|
| Reef survey survey | \$130,000 |
| Winter plankton cruise | \$ 80,000 |
| Bottom longlining sampling | \$130,000 |
| 2-5 fm trawling | \$ 10,000 |
| Hydroacoustics | \$ 30,000 |
| Louisiana coast-wide trawling | \$230,000 |
| Reef fish reproductive biology | \$ 15,000 |
| Upgrade hydrologic sampling gear | \$100,000 |
| Reef fish module | \$ 25,000 |
| Transmigration software | \$ 25,000 |

The committee agreed that these items would be brought to the Joint SEAMAP meeting for discussion with the other SEAMAP components.

There being no further business, the meeting adjourned at 4:10 p.m.

Wednesday, July 25, 1990

Chairman Walter Tatum called the meeting to order at 9:30 a.m.

SEAMAP-Gulf of Mexico Operations Plan

D. Donaldson reviewed the FY90 Operations Plan and requested changes from the members. He noted that he will work with NMFS and send members their information to incorporate in States cooperative agreements.

The following changes/additions were made to the Operations Plan for FY91.

- (1) Under each agency statements add: "Plan and coordinate a pilot study for sampling reef fish in the Gulf of Mexico."
- (2) With the exception of the Commission, change cooperative agreement start/end date to February 1, 1991 to January 31, 1992.
- (3) Under TPWD, Summer Shrimp/Bottomfish Survey, change survey period to June/July.
- (4) Under each agency statements add: "Data inventory, entry, edit and transmit to mainframe all SEAMAP cruise information."
- (5) Under Information Dissemination delete statement #9 (Draft Joint Programs Five-Year Management Plan)
- (6) Under Administration change Florida designated member to Joe Kimmel.

Five-Year Proposal (Umbrella Program Narrative - 1990-1995)

D. Waller reported that this document will be an explanation of the whole program over five years and would include winter surveys, reef fish, bottom longlining, etc.

The Subcommittee concurred that this document will incorporate activities listed in the original Five-Year Plan. A conference call will be held in August to finalize this proposal. It was also noted that the Coordinator will develop a model document and submit to members.

A discussion was held regarding funding amounts that would be submitted with FY91 cooperative agreements. D. Donaldson will work with D. Pritchard to get his opinion after talking with NCASC.

The August Conference Call will also address the results of discussions with D. Pritchard on amounts that will be submitted with cooperative agreements.

Other Business

S. Nichols reported that the Adult Finfish Work Group will hold a meeting in September and report at the October Subcommittee meeting. There being no further business, the meeting adjourned at 11:00 a.m.

APPROVED BY:


COMMITTEE CHAIRMAN

GULF, SOUTH ATLANTIC AND
CARIBBEAN SEAMAP COMMITTEES
JOINT MINUTES
Tuesday, July 24, 1990
Charleston, SC

SEAMAP-South Atlantic Chairman, David Cupka called the meeting to order at 8:40 a.m. The following members and others were present:

Members

Scott Nichols, NMFS, Pascagoula, MS
Terry Cody (proxy for G. Matlock), TPWD, Rockport, TX
Joe Kimmel, FDNR, St. Petersburg, FL
Barney Barrett, LDWF, Baton Rouge, LA
Dick Waller, GCRL, Ocean Springs, MS
Walter Tatum, ADCNR, Gulf Shores, AL
David Cupka, SCWMRD, Charleston, SC
Mike Street, NCDMF, Morehead City, NC
Alan Huff, FDNR, St. Petersburg, FL
Laura C. Leach, ASMFC, Washington, DC
Jane DiCosimo (proxy for R. Pugliese), SAFMC, Charleston, SC
Denton R. Moore, VIFWS, St. Thomas, VI

Staff

David M. Donaldson, SEAMAP-Gulf Coordinator
Carole Goodyear, SEAMAP-South Atlantic Coordinator
Sandra H. Laureano, SEAMAP-Caribbean Coordinator
Larry B. Simpson, GSMFC Executive Director
Eileen M. Benton, GSMFC Administrative Assistant

Others

Kenneth Savastano, NMFS, Stennis Space Center, MS
Walter Nelson, NMFS, Pascagoula, MS
David L. Pritchard, NMFS, St. Petersburg, FL
Dean W. Ahrenholz, NMFS, Beaufort, NC
Daniel J. Basta, National Ocean Service
Thomas F. LaPointe, National Ocean Service
Jim Nance, NMFS, Galveston, TX
Edward Klima, NMFS, Galveston, TX
Brad Brown, NMFS, Miami, FL

Adoption of Agenda

The agenda was adopted with the addition of Adoption of Minutes.

Adoption of Minutes

The minutes from the Joint SEAMAP Meeting held on July 27, 1989 in Savannah, Georgia were adopted with minor editorial changes.

Overview of SEAMAP-Gulf

W. Tatum reported on the activities of the SEAMAP-Gulf Subcommittee as follows:

- Publications produced since the last joint meeting included:
 - 1986 Atlas
 - 1990 SEAMAP Marine Directory
 - Joint Annual Report (October 1988-September 1989)Additional copies are available from David Donaldson, GSMFC.
- Surveys conducted since the last joint meeting included:
 - Fall 1989 Plankton Survey
 - Primary purpose - assess abundance and distribution of king mackerel eggs and larvae. Agencies participated: NMFS, Florida, Alabama, Mississippi, and Louisiana.
 - 1989 Fall Shrimp/Groundfish Survey
 - Conducted from off Mobile Bay to Brownsville, TX.
 - Additional gear comparison tows between Louisiana's PELICAN and NMFS OREGON II.
 - Mean catch rates for 40-ft trawls:
 - R/V PELICAN 18.1 kg/tow
 - OREGON II 8.3 kg/tow.
 - Major difference:
 - tickler chain was 7-ft shorter on R/V PELICAN.
 - Catch rate of R/V PELICAN more comparable to 65-ft net of OREGON II (20.3 kg/tow).
 - Louisiana Day/Night Surveys
 - Conducted four times per year
 - Provided comparative information in the abundance and distribution of major Gulf species.
 - 1990 Spring Ichthyoplankton Survey
 - Primary purpose to assess abundance and distribution of bluefin tuna eggs and larvae
 - Agencies participated: NMFS, Florida, Alabama, Mississippi, Louisiana.
 - 1990 Summer Shrimp/Groundfish Survey
 - Agencies participated: NMFS, Alabama, Mississippi, Louisiana, Texas.

- Real time mailing was distributed to 315 interested individuals and organizations.

The following Subcommittee and work group meetings were held since the last joint meeting:

- SEAMAP Subcommittee - October, 1989, January 1990 and March 1990
- Data Coordinating Work Group - August, 1989
- Adult Finfish Work Group - September 6-8, 1989
- Plankton Work Group - January 1990 (conference call)
- Environmental Data Work Group - March 1990 (conference call)
- Shrimp/Bottomfish Work Group - April 1990

Overview of SEAMAP-Caribbean

D. Moore and S. Laureano reported on the activities of the SEAMAP-Caribbean as follows:

- Development of a directory of interested parties of the SEAMAP program is nearing completion.
- A work group of fisheries resources is working on a proposal to look at resources, if money is available.
- CODREMAR is now under the Department of Natural Resources.

Overview of SEAMAP-South Atlantic

D. Cupka reported on the activities of SEAMAP-South Atlantic as follows:

- South Atlantic SEAMAP Committee met in April 1990 and discussed the Shallow-Water Trawl Survey, Five-Year Management Plan, work group budget and the 1991 Operations Plan for 1991.

Surveys conducted since the last joint meeting included:

- Shallow Water Trawl Survey
 - Completed first year of sampling under standardized method.
 - Samples were collected from random sites.
 - Will conduct three multi-legged cruises: spring, summer and fall.
 - Sampling strategy changed from night to day and resulted in collection of mackerel.

- The 1989 Shallow-Water Trawl Survey Report summarizing the 1988-89 work is available through South Carolina.

D. Cupka reported that North Carolina and Georgia put an emergency beach closure to shrimp due to severe winter impact on shrimp stocks. He also noted that the Bottom Mapping Project, a high priority for the South Atlantic, has been limited due to lack of funds. He also reported that to increase awareness of SEAMAP, an article has been written and included in the publication, Coastal Perspectives.

D. Cupka reported that several work groups were disbanded: plankton, stock identification and passive gear.

Elections from the April meeting resulted in D. Cupka as Chairman and Alan Huff as Vice-Chairman for the coming year.

Status of Five-Year Plan

M. Street opened discussion regarding the Five-Year Management Plan. Several editorial changes were made. Once changes are incorporated, document needs approval via mail ballot from the GSMFC Technical Coordinating Committee and the Caribbean Council. A total of 400 copies of the plan will be needed.

Grants Administration Report

D. Pritchard outlined the procedures for submission of cooperative agreements. The job of the grant administrative office is to help SEAMAP participants meet guidelines and facilitate the use of financial assistance funds in accordance with the SEFC.

D. Pritchard then outlined the Cooperative Agreement approval and performance cycle guidelines. D. Pritchard noted that the Agency has established a policy that will no longer allow preaward costs.

D. Pritchard outlined the two types of applications: project statement and application for federal assistance and the various aspects of each type of application.

A discussion was held regarding moving the start dates back to January 1 for FY91. D. Pritchard noted that with the current situation moving the starting dates may increase the chance of not having the funds available for the programs. M. Street suggested that SEAMAP members submit for a February 1 start date for FY91 but only for

an eleven month project to get back to a January 1 start date. D. Pritchard stated that he would provide some feedback to the questions raised about submission of the agreements. A decision to keep the starting date at February 1 was agreed upon.

C. Goodyear stated that there will be a Federal Aid Coordination Meeting on October 23-25 in Tampa, FL.

Data Management Report

K. Savastano reviewed the Data Management Report (attached) as follows:

- SEAMAP data entry, edit and verification has been completed on Gulf 1988 data. The 1989 data is in the process of being entered, edited and verified.
- The 1986 Atlas has been published. Processing of the 1987 Atlas is approximately 20% complete.
- All participants of SEAMAP in the Gulf and South Atlantic have IBM PCs for data entry. An updated version of the SEAMAP software system was sent out in July.
- SEFC plans to be off the Burroughs mainframe in Seattle by September 30, 1990.

Proposed Activities and Budget Needs

W. Nelson proposed three options:

Option I - Level funding

- * D. Moore moved that if level funding is available, use the same allocations as in FY90 for all three components. A Huff seconded. Motion passed unanimously.

Option II - Reduced funding

- * M. Street moved that if a reduction of funding is 10% or less, the reduction should be equally decreased among the three components based on the percent reduction. Motion passed with Caribbean abstaining.
- * M. Street moved that if cuts exceed 10%, each component should meet to determine its priorities and the four component leaders meet with program manager to determine the allocation of the cuts with final authority residing with the Center Director. Motion was seconded and passed with Caribbean opposing.

Option III - Increased funding

D. Moore stated the Caribbean component would like to develop a sampling project for reef fish resources at a cost of \$25,000.

- * M. Street moved that in the event of an increase in FY91 funding, the first \$25,000 be allocated to the Caribbean component to initiate a sampling program for reef fish. Motion was seconded and passed with Alabama and Texas opposing.

The meeting recessed so the components could discuss recommendations on how additional monies, if available, will be spent.

W. Nelson suggested if the additional \$400,000 was available, it be divided as follows:

| | |
|----------------|-----------|
| Gulf | \$130,000 |
| South Atlantic | \$100,000 |
| Caribbean | \$ 70,000 |
| NMFS | \$100,000 |

Shrimp Data System (CMAS)

E. Klima presented the Computer Mapping and Analysis System (CMAS). CMAS is a mechanism to analyze shrimp harvest data. Users can 1) define specific areas for analysis; 2) develop maps and sample summations by species, month, year and area; 3) select combinations of species and attributes for maps, time series histograms or tabular summaries; and 4) compute ratios and other comparisons for specified subareas of previously stored analyses. E. Klima and J. Nance demonstrated the capabilities of the CMAS system using a previously entered SEAMAP data set. The committee was impressed with the CMAS system and requested that the Data Coordinating Work Group look into the system.

Proposed Activities and Budget Needs (discussion continued)

After the CMAS presentation, W. Nelson reviewed his initial proposal for increased funding allocations.

* D. Moore moved that if additional funds (\$400,000) become available, they be allocated as follows:

| | |
|----------------|-------------------|
| Gulf | \$130,000 (32.5%) |
| South Atlantic | \$100,000 (25%) |
| Caribbean | \$ 70,000 (17.5%) |
| NMFS | \$100,000 (25%) |

* W. Tatum amended the motion to include if the full \$400,000 is not awarded, that after the \$25,000 for the Caribbean is awarded, additional monies be split on percentile basis illustrated by the breakout. Motion was seconded and passed unanimously.

Next Joint Meeting

D. Cupka stated that if additional monies are available, the next joint meeting will be held in the Caribbean. The locations of St. Thomas, VI or San Juan, PR were discussed. D. Cupka asked S. Laureano to look into holding the joint meeting in the Caribbean.

There being no further business, the meet adjourned at 4:45 p.m.

SEAMAP Data Management Report

- A. SEAMAP data entry, edit, and verification has been completed on the Gulf 1988 data (Attachment 1). The status of the 1989 Gulf data is shown in Attachment 2. Efforts are being made to reformat the South Atlantic trawl data and begin transferring it to the SEAMAP System.
- B. Printing of the 1986 Atlas has been completed. Processing of the 1987 Atlas is approximately 20% complete.
- C. A total of 95 SEAMAP requests have been received to date. Ninety-two have been completed and work is being performed on the remaining requests.
- D. Seemap Data Management efforts continue to be focussed on getting the data management central operations in place and performing the necessary software enhancements to improve the system. An IBM PS/2 system has been procured and transferred to Louisiana. Version 1.15 of the Seemap Software system was shipped to all users on July 5, 1990. The new version contains modifications/enhancements listed in Attachment 3. Approximately 61% of the total SEAMAP Data Management's estimated cost of \$536,500 has been committed to contracts or \$328,744. Approximately 98% of the committed contract money or \$321,390, has been utilized as of June 24, 1990. Attachments 4 and 5 provide the status of the system modules.
- E. The SEFC plans to be totally off the Burroughs mainframe in Seattle by September 30, 1990. Procurement of a leased main frame to be placed in Miami is currently scheduled for late October or late November. Unless something changes in the current plans there will probably be a discontinuity in access to a main frame for Seemap users. This will create a significant problem for the SEAMAP/Data Management System.


Kenneth J. Savastano

SEAMAP 1988

20-Jul-90

BIOLOGICAL

ENVIRONMENTAL

| DATA | | | | COMPLETION | | COMPLETION | | | |
|---------------------|-------------|--------------|--------------|------------|-----------|-------------|-------------|--------------|-----------|
| SOURCE | STATIONS | SPECIES | TOTAL | STATUS | DATE | STATIONS | RECORDS | STATUS | DATE |
| AL 881 | 7 | 136 | 143 | 7 | 11-Apr-89 | 7 | 21 | 7 | 11-Apr-89 |
| AL 882 | 4 | 42 | 46 | 7 | 23-Mar-90 | 4 | 12 | 7 | 23-Mar-90 |
| AL 883 | | | | 1 | | 10 | 30 | 7 | 19-Apr-90 |
| FL 881 | | | | 1 | | 17 | 51 | 7 | 21-Jul-89 |
| FL 882 | | | | 1 | | 36 | 108 | 7 | 21-Jul-89 |
| LA 29 | 24 | 556 | 580 | 7 | 18-May-89 | 24 | 72 | 7 | 18-May-89 |
| LA 30 | 24 | 567 | 591 | 7 | 19-Oct-89 | 24 | 72 | 7 | 19-Oct-89 |
| LA 31 | 21 | 192 | 213 | 7 | 27-Nov-89 | 21 | 63 | 7 | 12-Sep-89 |
| LA 32 | 20 | 488 | 508 | 7 | 19-Oct-89 | 20 | 60 | 7 | 15-Oct-89 |
| LA 33 | 21 | 190 | 211 | 7 | 31-Jan-90 | 21 | 42 | 7 | 31-Jan-90 |
| LA 34 | 24 | 660 | 684 | 7 | 23-Mar-90 | 24 | 48 | 7 | 23-Mar-90 |
| MS 881 | 41 | 922 | 963 | 7 | 28-Sep-89 | 47 | 141 | 7 | 12-Sep-89 |
| MS 882 | | | | 1 | | 33 | 99 | 7 | 12-Sep-89 |
| MS 883 | 23 | 644 | 667 | 7 | 12-Sep-89 | 26 | 78 | 7 | 12-Sep-89 |
| OII 173 | | | | 1 | | 164 | 492 | 7 | 17-Jan-90 |
| OII 174 | 390 | 7355 | 7745 | 7 | 15-May-89 | 195 | 585 | 7 | 15-May-89 |
| OII 176 | | | | 1 | | 98 | 294 | 7 | 17-Jan-90 |
| OII 177 | 435 | 9287 | 9722 | 7 | 04-May-89 | 320 | 960 | 7 | 17-Jan-90 |
| TX 881 | 80 | 1143 | 1223 | 7 | 26-Jun-89 | 80 | 240 | 7 | 26-Jun-89 |
| TX 882 | 80 | 882 | 962 | 7 | 05-Sep-89 | 80 | 240 | 7 | 26-Jun-89 |
| TOTAL: | 1194 | 23064 | | | | 1251 | 3708 | | |
| GRAND TOTAL: | | | 24258 | | | | | 27966 | |

STATUS CODES:

- 1 - NOT TAKEN
- 2 - TAKEN, NOT RECEIVED
- 3 - BEING PROCESSED AT PASCAGOULA
- 4 - WAITING FOR LOCAL VERIFICATION PRIOR TO STATE VERIFICATION
- 5 - AT STATES FOR VERIFICATION
- 6 - INITIAL VERIFICATION COMPLETE
- 7 - FINAL VERIFICATION COMPLETE
- * - RECORD STATUS INCOMPLETE AT THIS TIME
- - CHLOROPHYLL AND/OR SALINITIES NOT COMPLETE

SEAMAP 1989

| DATA SOURCE | STATUS | INVENTORY | BIOLOGICAL | | ENVIRONMENTAL | SHRIMP L/F | L/F | ICHTHYOPLANKTON | TOTAL | | |
|--------------|--------|------------|-------------|--------------|---------------|---------------|------------|-----------------|-------|---------|---------------|
| | | | STATION | SPECIES | | | | | | GENERAL | L/F STATION |
| AL 891 | 3 | 7 | 7 | 103 | 7 | 363 | 3 | 96 | *1 | *1 | 586 |
| AL 892 | 3 | 10 | 10 | 200 | 10 | 991 | 7 | 166 | *1 | *1 | 1394 |
| AL 893 | 3 | 10 | *1 | *1 | 10 | *1 | *1 | *1 | | | 20 |
| AL 894 | 3 | 12 | 11 | 259 | 12 | 1452 | 11 | 164 | *1 | *1 | 1921 |
| MS 891 | 3 | 41 | 34 | 987 | 41 | 7589 | 21 | 261 | | | 8974 |
| MS 892 | 3 | 5 | *1 | *1 | 5 | *1 | *1 | *1 | | | 10 |
| MS 893 | 3 | 20 | 17 | 568 | 20 | 4631 | *1 | *1 | *1 | *1 | 5256 |
| O II 179 | 2 | | 527 | 933 | 37 | | | | | | 1497 |
| O II 180 | 3 | 244 | 243 | 4052 | 188 | 26051 | 141 | 4815 | | | 35734 |
| O II 183 | 2 | 114 | 107 | | 114 | | | | | | 335 |
| O II 184 | 2 | 512 | 491 | 11912 | 229 | 66969 | | | | | 80113 |
| TOTAL | | 975 | 1447 | 19014 | 673 | 108046 | 183 | 5502 | | | 135840 |

STATUS CODES:

- *1 NOT TAKEN
- 2 ENTERED IN P.C.
- 3 ENTERED ON BURROUGHS 7811 (VERIFIED AND DATA BASED)

26-Jun-90

Attachment 3. Modifications/Enhancements.

1. The installation program has been changed so that data are no longer archived to program files (permanent files) after uploading data to the mainframe. An archive option has been added to the menu of the software on the PS/2.
2. Ichthyoplankton sample number is automatically right justified.
3. Ichthyoplankton station edit changes allows paging through sample input for viewing purposes.
4. Biocode vessel, year, and measurement code tables were updated.
5. Print program was modified to trap printer errors and not overwrite current print screens.
6. Print program was modified to solve a line feed problem which periodically caused the first line on a page to be overprinted.
7. The cruise data base date was added to the on-line-documentation.
8. Memory optimization software was added to Seemap Software System.
9. The capability to convert ASCII files downloaded from the system to data base files was added. This allows the converted files to be printed with the print program.
10. Modified the batch program to check biocode/species on length frequency records against trawl species records.
11. Modified the print program to recognize records marked for deletion and not print them.
12. Expanded one element field on the general length frequency data and made the appropriate changes to all software affected.

EARNED VALUE SUMMARY REPORT
 BASED ON CURRENT FUNDING
 SEAMAP DMS IMPLEMENTATION
 24 JUNE 1990

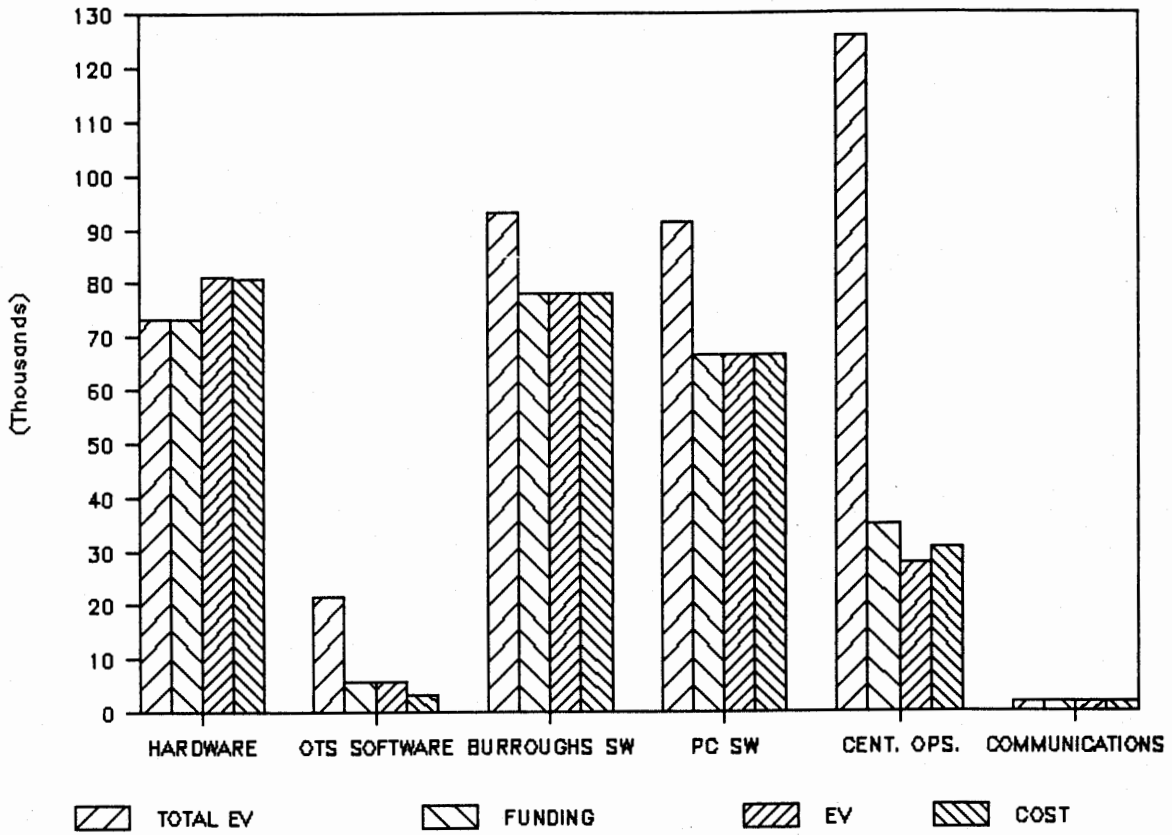
| UNIT NAME | TWR# | EV TO DATE | %EV | ACTUAL COST | %SPENT | VAR (A-E) | %VAR (VAR/EV) | EIC | NVAR | %NVAR | CURRENT MODULE EV | CURRENT FUNDS REMAINING |
|----------------|----------|---------------|--------|----------------|--------|--------------|------------------|---------|------------|--------|-------------------------|-------------------------------|
| TOTAL DMS IMP. | -- | \$354,049 | 110.4% | \$321,390 | 100.2% | (\$32,659) | -9.2% | \$3,000 | (\$35,659) | -10.0% | \$320,607 | (\$783) |
| TOTAL LABOR | -- | \$228,002 | 108.3% | \$205,464 | 97.6% | (\$22,538) | -9.9% | \$3,000 | (\$25,538) | -11.1% | \$210,503 | \$5,039 |
| TOTAL PROC. | -- | \$125,137 | 114.6% | \$115,016 | 105.3% | (\$10,121) | -8.1% | \$0 | (\$10,121) | -8.1% | \$109,194 | (\$5,822) |
| TOTAL TRAVEL | -- | \$910 | 100.0% | \$910 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$910 | \$0 |
| Total HW Cost | -- | \$81,388 | 111.1% | \$80,885 | 110.4% | (\$503) | -0.6% | \$0 | (\$503) | -0.6% | \$73,251 | (\$8,137) |
| HW Proc Labor | MF4A34 | \$3,251 | 100.0% | \$2,748 | 84.5% | (\$503) | -15.5% | \$0 | (\$503) | -15.5% | \$3,251 | \$0 |
| HW Proc | (NMFS) | \$78,137 | 111.6% | \$78,137 | 111.6% | \$0 | 0.0% | 0 | \$0 | 0.0% | \$70,000 | (\$8,137) |
| Total SW Cost | -- | \$5,751 | 100.0% | \$3,425 | 59.5% | (\$2,326) | -40.4% | \$0 | (\$2,326) | -40.4% | \$5,752 | \$2,327 |
| SW Proc Labor | MF4A37 | \$751 | 99.9% | \$740 | 98.4% | (\$11) | -1.5% | \$0 | (\$11) | -1.5% | \$752 | \$12 |
| SW Proc | (NMFS) | \$5,000 | 100.0% | \$2,685 | 53.7% | (\$2,315) | -46.3% | 0 | (\$2,315) | -46.3% | \$5,000 | \$2,315 |
| Travel Cost | -- | \$910 | 100.0% | \$910 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$910 | \$0 |
| NMFS | MF4A37 | \$910 | 100.0% | \$910 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$910 | \$0 |
| Burrroughs SW | -- | \$78,000 | 100.0% | \$77,957 | 99.9% | (\$43) | -0.1% | \$0 | (\$43) | -0.1% | \$78,000 | \$43 |
| Data Handler | MF4A33 | \$42,500 | 100.0% | \$42,486 | 100.0% | (\$14) | 0.0% | \$0 | (\$14) | 0.0% | \$42,500 | \$14 |
| Data Handler | UJPL0301 | \$2,000 | 100.0% | \$1,997 | 99.9% | (\$3) | -0.2% | \$0 | (\$3) | -0.2% | \$2,000 | \$3 |
| Data Handler | UM001203 | \$1,000 | 100.0% | \$991 | 99.1% | (\$9) | -0.9% | \$0 | (\$9) | -0.9% | \$1,000 | \$9 |
| Reformat | MF4A01 | \$20,000 | 100.0% | \$19,995 | 100.0% | (\$5) | 0.0% | \$0 | (\$5) | 0.0% | \$20,000 | \$5 |
| On-line Doc | MF4A38 | \$7,500 | 100.0% | \$7,488 | 99.8% | (\$12) | -0.2% | \$0 | (\$12) | -0.2% | \$7,500 | \$12 |
| Mbox/Bboard | UM001204 | \$5,000 | 100.0% | \$5,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$5,000 | \$0 |
| PC Software | -- | \$66,500 | 100.0% | \$66,485 | 100.0% | (\$15) | 0.0% | \$0 | (\$15) | 0.0% | \$66,500 | \$15 |
| Upload | MF4A32 | \$32,000 | 100.0% | \$31,997 | 100.0% | (\$3) | 0.0% | \$0 | (\$3) | 0.0% | \$32,000 | \$3 |
| Upload | UM001102 | \$5,000 | 100.0% | \$5,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$5,000 | \$0 |
| Upload | UM001103 | \$2,000 | 100.0% | \$2,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$2,000 | \$0 |
| Upload | UJPL0302 | \$6,000 | 100.0% | \$6,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$6,000 | \$0 |
| Download | MF4A31 | \$17,500 | 100.0% | \$17,488 | 99.9% | (\$12) | -0.1% | \$0 | (\$12) | -0.1% | \$17,500 | \$12 |
| Download | UM001201 | \$3,000 | 100.0% | \$3,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$3,000 | \$0 |
| Download | UM001202 | \$1,000 | 100.0% | \$1,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$1,000 | \$0 |
| Analysis/Disp | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |

EARNED VALUE SUMMARY REPORT
 BASED ON CURRENT FUNDING
 SEAMAP DMS IMPLEMENTATION
 24 JUNE 1990

| UNIT NAME | TWR# | EV TO DATE | %EV | ACTUAL COST | %SPENT | VAR (A-E) | %VAR (VAR/EV) | ETC | NVAR | %NVAR | CURRENT MODULE EV | CURRENT FUNDS REMAINING |
|----------------|----------|---------------|--------|----------------|--------|--------------|------------------|---------|------------|---------|-------------------------|-------------------------------|
| Central Ops | -- | \$27,500 | 78.6% | \$30,565 | 87.3% | \$3,065 | 11.1% | \$3,000 | \$65 | 0.2% | \$35,000 | \$4,435 |
| Sys Mgmt 89 | MF4AA0 | \$5,000 | 100.0% | \$5,020 | 100.4% | \$20 | 0.4% | \$0 | \$20 | 0.4% | \$5,000 | (\$20) |
| Sys Mgmt 90 | MF4AA8 | \$2,500 | 50.0% | \$5,022 | 100.4% | \$2,522 | 100.9% | \$1,000 | \$1,522 | 43.5% | \$5,000 | (\$22) |
| Data Process | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| PC SW Main 89 | MF4AA4 | \$10,000 | 100.0% | \$9,991 | 99.9% | (\$9) | -0.1% | \$0 | (\$9) | -0.1% | \$10,000 | \$9 |
| PC SW Main 90 | MF4AA7 | \$2,500 | 50.0% | \$3,359 | 67.2% | \$859 | 34.4% | \$1,000 | (\$141) | -4.0% | \$5,000 | \$1,641 |
| B SW Main 89 | MF4AA5 | \$5,000 | 100.0% | \$4,997 | 99.9% | (\$3) | -0.1% | \$0 | (\$3) | -0.1% | \$5,000 | \$3 |
| B SW Main 90 | MF4AA6 | \$2,500 | 50.0% | \$2,176 | 43.5% | (\$324) | -13.0% | \$1,000 | (\$1,324) | -37.8% | \$5,000 | \$2,824 |
| Special Reqs | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Archival | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Communications | MF4A36 | \$2,000 | 100.0% | \$2,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$2,000 | \$0 |
| Training | -- | \$20,000 | 100.0% | \$19,972 | 99.9% | (\$28) | -0.1% | \$0 | (\$28) | -0.1% | \$20,000 | \$28 |
| Site Users | MF4A39 | \$5,000 | 100.0% | \$4,994 | 99.9% | (\$6) | -0.1% | \$0 | (\$6) | -0.1% | \$5,000 | \$6 |
| Training Prep | UM001205 | \$3,000 | 100.0% | \$3,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$3,000 | \$0 |
| Gulf Train | UM001206 | \$4,000 | 100.0% | \$4,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$4,000 | \$0 |
| S Atl Train | MF4AA3 | \$2,000 | 100.0% | \$1,983 | 99.2% | (\$17) | -0.9% | \$0 | (\$17) | -0.9% | \$2,000 | \$17 |
| Sys Maint | UM001207 | \$3,000 | 100.0% | \$3,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$3,000 | \$0 |
| Sys S/W Train | MF4AA2 | \$3,000 | 100.0% | \$2,995 | 99.8% | (\$5) | -0.2% | \$0 | (\$5) | -0.2% | \$3,000 | \$5 |
| Near Real Time | -- | \$67,000 | 195.9% | \$34,194 | 100.0% | (\$32,806) | -49.0% | \$0 | (\$32,806) | -49.0% | \$34,194 | \$0 |
| Data Ent SW | (NMFS) | \$5,000 | 0.0% | \$0 | 0.0% | (\$5,000) | -100.0% | \$0 | (\$5,000) | -100.0% | \$0 | \$0 |
| Comm I'face | (NMFS) | \$5,000 | 0.0% | \$0 | 0.0% | (\$5,000) | -100.0% | \$0 | (\$5,000) | -100.0% | \$0 | \$0 |
| NRT Burr SW | (NMFS) | \$10,000 | 0.0% | \$0 | 0.0% | (\$10,000) | -100.0% | \$0 | (\$10,000) | -100.0% | \$0 | \$0 |
| Port PC SW | (NMFS) | \$5,000 | 0.0% | \$0 | 0.0% | (\$5,000) | -100.0% | \$0 | (\$5,000) | -100.0% | \$0 | \$0 |
| Antenna Proc | (NMFS) | \$30,000 | 100.0% | \$30,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$30,000 | \$0 |
| PC HW Proc | (NMFS) | \$12,000 | 286.1% | \$4,194 | 100.0% | (\$7,806) | -65.1% | \$0 | (\$7,806) | -65.1% | \$4,194 | \$0 |
| Plotting | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Atlas | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Plankton | -- | \$5,000 | 100.0% | \$4,997 | 99.9% | (\$3) | -0.1% | \$0 | (\$3) | -0.1% | \$5,000 | \$3 |
| Ichthyo DB | UM001101 | \$5,000 | 100.0% | \$4,997 | 99.9% | (\$3) | -0.1% | \$0 | (\$3) | -0.1% | \$5,000 | \$3 |
| Zoo DB | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |

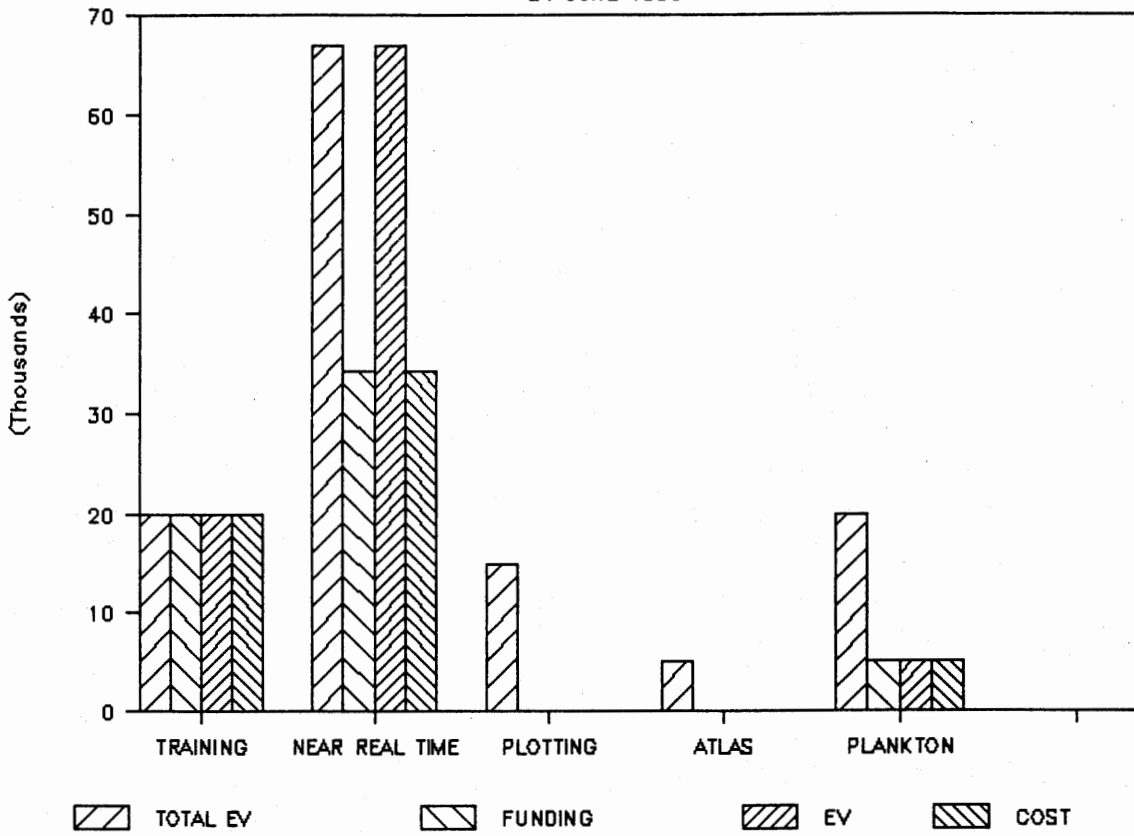
EARNED VALUE SUMMARY REPORT

24 JUNE 1990



EARNED VALUE SUMMARY REPORT

24 JUNE 1990



APPROVED BY:

R. E. Matheson
COMMITTEE CHAIRMAN

BLACK DRUM TECHNICAL TASK FORCE
Minutes
August 16-17, 1990
New Orleans, Louisiana

Ed Matheson, Chairman, called the meeting to order at 10:30 a.m. The following were in attendance:

Members

Ed Matheson, FMRI, St. Petersburg
Mark Van Hoose, AMRD, Dauphin Island, AL
Scott Gordon, MDWFP, Biloxi, MS
Clarence Luquet, LDWF, New Orleans, LA
Karen Meador, TPWD, Rockport, TX (interim TX representative)
Jim Robertson, TPWD, Austin, TX
Doug Horn, Clark Seafood, Pascagoula, MS

Staff

Ronald R. Lukens, Assistant Director
Rick Leard, IJF Program Coordinator
Cindy Dickens, IJF Staff Assistant

Adoption of Agenda

The agenda was adopted as presented.

Adoption of Minutes

Minutes from the February 7-8, 1990, meeting held in Mobile, Alabama, were adopted as presented.

Introductions

Karen Meador was introduced as acting representative for Texas. She informed the task force that Mr. Marwitz's replacement will be the designated member, and she would only be acting as such during the interim. Ms. Meador did not estimate when Mr. Marwitz's replacement would be hired.

Discussion of Louisiana's Black Drum Fishery Management Plan

Clarence Luquet updated the task force on the process of the FMP and stated the FMP is currently being reviewed. Mark Van Hoose noted that most of the biological information and some law information can be incorporated into the regional FMP. It was further noted that the Louisiana FMP is targeted specifically for Louisiana, and information for the other Gulf States will need to be incorporated as well.

Discussion of Section 6 - Description of Fishing Activities Affecting the Stocks in the U.S. Gulf of Mexico

Rick Leard reported this section was originally assigned to Steve Marwitz, and work in progress was sent to the GSMFC office. Leard contacted Walter Keithly on the possibility of a joint effort to complete the section. The task force agreed to this suggestion, and the section was reassigned to Leard and Keithly. Karen Meador offered her assistance with the section.

The task force agreed that data for this section should span from 1979 to present. Leard stated he would obtain needed MRFSS data and requested representatives send in their respective state recreational data. Ed Matheson noted he has the latest information for Florida. Clarence Luquet suggested Rick contact Joey Shepard in Louisiana for that data. Karen Meador suggested Rick obtain the Texas publication on the character of the spring black drum fishery.

Review of Section Drafts

The task force reviewed, discussed, and edited current draft sections. Attachment 1 lists specific action to be completed by task force members and GSMFC staff. Several specific editorial points [use of metric throughout, use of temperature in celsius (°C) throughout, use of total length (TL), refer to **black** drum rather than drum or specify at first occurrence] were clarified during the review.

R. Leard reported that the information (landings of black drum from Mexico) needed for Section 7 has been requested through NMFS to obtain from the Mexican government.

Discussion of Management Sections

The task force reviewed the management section of the Louisiana FMP and noted that gulf-wide policies will be incorporated in the regional FMP. A discussion on determination of maximum sustainable yield (MSY) ensued. It was the consensus of the task force to attempt calculations of MSY for the black drum fishery. As stated at the previous meeting, the task force felt this portion would require a populations dynamics expert. Since the last meeting, inquiries had been made by various task force members, but a volunteer was not recruited.

It was noted that the entire task force must feel confident with the selection, and the question of choosing either state, university or federal experts was raised. Several avenues of thought for obtaining MSY were explored such as developing a finfish panel to calculate MSY for all finfish FMPs or recruitment of expert(s) through the State-Federal Fisheries Management Committee. The task force finally agreed to have the Louisiana publication on population dynamics and stock assessment critiqued by their respective state experts to obtain their input on methodology and calculation of MSY. The task force will proceed once this input is received.

Discussion and Revision of Time Schedule

The timetable for completion of the technical draft of the FMP was discussed. It was noted that there is a contractual responsibility to have a completed FMP in 1990. The timetable of the Black Drum Technical Task Force was revised as follows:

| | |
|---------------------------|------------------------------|
| October 15, 1990 | Section drafts to GSMFC |
| Week of November 12, 1990 | Meeting to review & edit FMP |
| December 1990 | Complete technical FMP |

There being no further business, the meeting was adjourned Friday, August 17, 1990, at 11:30 a.m.

Acknowledgements

All - send in names of those who assisted you in preparation of your section drafts.

Front Matter and Table of Contents

GSMFC - editorial changes

Section 2 - Introduction

GSMFC - editorial changes

Section 3 - Description of Stock(s) Comprising Management Unit

Leard - check with J. Shultz (S. Richardson) for juvenile publication,
send to Matheson

send MARFIN completion report by C. Wilson to Matheson

Van Hoose comment - may be able to use unpublished Alabama data on juveniles

Luquet - send Dugas 1986 to Matheson

Matheson - revise section, send hard copy and WordPerfect file (or ASCII) to
GSMFC office

Section 4 - Description of Habitat of Stock(s) Comprising the Management Unit

Luquet - send Thompson and Fitzhugh 1985 to Matheson

Van Hoose - send Alabama data on salinity to Matheson

Gordon - send Mississippi data on salinity to Matheson (FAM data)

Meador - send Texas data on salinity and size ranges to Matheson

- send Texas citation for black drum populations in Laguna Madre

Matheson - revise section, send hard copy and WordPerfect file (or ASCII) to
GSMFC office

Note - page 4-2 for correct spelling, Barrett et al. 1978

Section 5 - Fishery Management Jurisdictions, Laws and Policies Affecting the Stock(s)

Matheson - review FMP draft from oyster (6.4.1) for administrative organization information, send Van Hoose any changes

send Van Hoose current state laws

Gordon - review FMP draft from oyster (6.4.2) for administrative organization, send Van Hoose any changes

send Van Hoose current state laws

Luquet - review FMP draft from oyster (6.4.4) for administrative organization, send Van Hoose any changes

send Van Hoose current state laws

Meador/Robertson - review FMP draft from oyster (6.4.5) for administrative organization, send Van Hoose any changes

send Van Hoose current state laws

Lukens - send Van Hoose information on Wallop-Breaux Act

Van Hoose - add Wallop-Breaux information to 5.3

Section 6 - Description of Fishing Activities Affecting the Stock(s) in the U.S. Gulf of Mexico

Matheson - send FL recreational data to Leard

Van Hoose - send AL recreational data to Leard

Gordon - send MS recreational data to Leard

Meador - send TX recreational data to Leard

send Leard the TX publication on characterization of spring black drum fishery

Leard - contact J. Shepard for LA recreational data

obtain MRFSS data

Leard/Keithly - draft section, send to Meador for review

Section 7 - Description of Processing, Marketing and Organizations Associated with the Fishery

Note - points of contact: processors, marketing boards

Luquet - contact Keithly to check overlap with Section 8

Matheson - send Luquet organizations to list under 7.3

send Luquet Florida's processing methods

Van Hoose - send Luquet organizations to list under 7.3

send Luquet Alabama's processing methods

Gordon - send Luquet organizations to list under 7.3

send Luquet Mississippi's processing methods

Meador - send Luquet organizations to list under 7.3

send Luquet Texas' processing methods

send Luquet publication on whole weight/dressed weight which explains the term "collared"

Luquet - replaced existing information under 7.3 with organizations, associations and other groups

GSMFC - revise draft incorporating editorial comments from August meeting, send to Luquet

Section 8 - Description of the Economic Characteristics of the Fishery

Keithly - draft in GSMFC office by October 15, 1990

Section 9 - Social and Cultural Framework of Domestic Fishermen and Their Communities

Dyer - draft in GSMFC office by October 15, 1990

Section 10 - Management Considerations

Luquet - check if a new publication on population dynamics and stock assessment has been published, call Leard and notify

Leard - mail to state representatives the Louisiana population dynamics and stock assessment publication

send LA FMP and population dynamics/stock assessment publication to NMFS for comment on MSY portion

Section 10 - continued

Matheson/Van Hoose/Gordon/Luquet/Meador - send the Louisiana population dynamics and stock assessment publication to your respective state expert(s) to critique methods and calculation of MSY.

All - input to Section 10.3 (problems of fishery), send to Leard

Section 11 - Management Measures

All - input to Leard ASAP for incorporation into the section

Section 12 - Specific Management Recommendations

All - input to Leard ASAP for incorporation into the section

Section 13 - Regional Research Priorities and Data Requirements

All - input to Leard ASAP for incorporation into the section

Section 14 - Review and Monitoring of the Plan

GSMFC - boilerplate section

Section 15 - References

Notes - best sampling of gulf-wide work, biological sections should have most of the references.

All - send in complete cites to GSMFC office

TCC SEAMAP SUBCOMMITTEE
CONFERENCE CALL
MINUTES
August 17, 1990

APPROVED BY:


COMMITTEE CHAIRMAN

Roll was called at 10:00 a.m. The following members and others were present:

Members

Jack Gartner (proxy for J. Kimmel), FDNR, St. Petersburg, FL
Walter Tatum, ADCNR, Gulf Shores, AL
Dick Waller, GCRL, Ocean Springs, MS
Barney Barrett, LDWF, Baton Rouge, LA
Terry Cody (proxy for G. Matlock), TPWD, Rockport, TX
Scott Nichols, NMFS, Pascagoula, MS

Staff

David M. Donaldson, SEAMAP Coordinator
Larry Simpson, Executive Director

W. Tatum outlined the memorandum that D. Pritchard sent to SEAMAP members regarding questions raised at the July meeting. W. Tatum suggested that SEAMAP members follow the recommendations from D. Pritchard and submit for level funding and amend the cooperative agreements if supplemental funds become available. It was agreed to submit the cooperative agreements as soon as possible, but no later than September 15, 1990 and submission of the amendment, if necessary, would be after the Adult Finfish Work Group meeting to discuss survey procedures.

The conference call was adjourned at 10:30 a.m.

Gerald K. Waller
COMMITTEE CHAIRMAN

LAW ENFORCEMENT COMMITTEE
MINUTES
Biloxi, Mississippi
September 6-7, 1990

The Law Enforcement Committee meeting held in the Royal d'Iberville Hotel in Biloxi, Mississippi was called to order by Chairman Jerry Waller at 12:58 pm. The following were in attendance.

Members

Jerry Waller, ADCNR/MRD, Dauphin Island, AL
Jim Robertson, TPWD, Austin, TX
Pat Anglada (proxy - J. Gollott), MBMR, Biloxi, MS
Lewis Shelfer (proxy - D. Ellingsen), FMP, Tallahassee, FL
Tommy Candies, LDWF, Baton Rouge, LA

Staff

Lucia Hourihan, Publication Specialist
Rick Leard, IJF Program Coordinator

Others

Wes Clogston, TPWD, Austin, TX
*Hank Boudreaux, MBMR, Biloxi, MS

*In attendance on 9/7/90 only.

Waller stated the purpose of the meeting was to draft model language regarding the interstate shipment of seafood and aquaculture products as directed by the Commission. After considerable discussion, the committee agreed that efforts should be directed toward developing uniform invoice information and forms. The following language was drafted:

"Transportation of Aquatic Products
Aquatic Product Invoice --

Any person, except a licensed commercial fisherman transporting his catch within the respective state, transporting aquatic products for sale or resale, regardless of origin or destination, shall have in his possession an invoice. Aquatic product means fresh or frozen uncooked aquatic animal life.

Aquatic product transportation invoices shall be originated by shipper and retained on file by both shipper and receiver for a minimum of one year. The shipper shall sequentially number the invoices during the license period. No invoice number may be used twice during any one license period by an individual licensee.

Invoices shall contain the following information correctly stated and legibly written:

1. invoice number
2. date of shipment
3. name and physical address of shipper
4. name and physical address of receiver
5. license number of shipper
6. aquatic product by species and pounds (and/or numbers by species when required by shipping or receiving state).

Packing Requirements --

All aquatic product shipments shall be packed one species per container. Container size may be regulated by shipping or receiving state.

Each container of aquatic products shall be identified as to its contents. A container contents identifier shall be placed on the outside of each package and shall contain the following information correctly stated and legibly written:

1. shipment invoice number (of the shipment of which the container is a part)
2. aquatic product by species and pounds (and/or numbers by species when required by shipping or receiving state).

Vehicle Marking --

All motor vehicles, trailers, or semi-trailers transporting aquatic products for commercial purposes shall exhibit the inscription AQUATIC PRODUCTS on the right, left and rear sides of the vehicle. The inscription shall read from left to right and shall be plainly visible at all times while transporting aquatic products. The inscription AQUATIC PRODUCTS shall be attached to or painted on the vehicle, trailer or semi-trailer in block arabic letters of good proportion in contrasting color to the background and be at least 8 inches in height."

Discussion ensued regarding size limits. If there is no biological reason for different size limits, the Law Enforcement Committee recommends uniform size limits be implemented.

Friday, September 7, 1990

Chairman Waller reconvened the meeting at 9:00 am.

Review and Approval of Minutes

The minutes of the meeting held July 12, 1990 in Costa Mesa, California were amended on page 1 to replace a question mark with "Brownsville, TX" and on page 2 by changing the word at "gut toters" to as "gun toters". The minutes were adopted as amended.

There was discussion regarding the letter expressing LEC concerns which was sent to ISSC. No response had as yet been received. It was the consensus of the committee to forward a copy of the letter to Joe Gill, ISSC board member representing Mississippi, Alabama, Louisiana and Texas.

R. Leard recommended the draft language regarding interstate shipment of aquatic products be sent to the Commission via a memorandum. The Commission could then adopt it in a resolution format and forward to the states. It was the consensus of the committee to have the MBMR staff attorney review the language prior to sending it to the Commission.

Review of Oyster FMP

The committee reviewed sections 13, 14 and 15 of the draft oyster FMP. Suggested changes will be incorporated into the next draft. It was recommended that each member of the committee thoroughly review portions of Section 6 pertaining to his respective state and send in needed changes to his state's technical task force member or directly to R. Leard at GSMFC. Waller expressed the committee's appreciation for the opportunity to input in the FMP process.

There being no further business the meeting was adjourned at 10:15 am.

APPROVED BY:

Robert Shupp
COMMITTEE CHAIRMAN

MARFIN PROGRAM MANAGEMENT BOARD

**Monday, September 17, 1990
New Orleans, Louisiana**

MARFIN PROGRAM MANAGEMENT BOARD (PMB)
Monday, September 17, 1990
New Orleans, Louisiana
MINUTES

Chairman Bob Shipp called the meeting to order at 1:10 p.m. The following members and others were present:

Members

Bob Shipp, Recreational Industry, Mobile, AL
Lucy Gibbs (alternate for R. Jones), Commercial Industry, Austin,
TX
William "Corky" Perret, Gulf States, Baton Rouge, LA
Larry Simpson, GSMFC, Ocean Springs, MS
Jim Cato, Sea Grant, Gainesville, FL
Wayne Swingle, GMFMC, St. Petersburg, FL
Eddie McCulla, GASAFDFI, Houma, LA
Walter Nelson, NMFS, Pascagoula, MS

Staff

Don Ekberg, NMFS, St. Petersburg, FL
Eileen Benton, GSMFC, Ocean Springs, MS

Others

Andy Kemmerer, NMFS, St. Petersburg, FL

Adoption of Agenda

The agenda was adopted as presented.

Adoption of Minutes

The minutes of the meeting held June 19 and 20, 1990 in St. Petersburg, FL were approved as written.

Review and Status of FY90 Award

D. Ekberg reported the FY90 awards are progressing on schedule. Several proposals have already been awarded and he anticipates the remaining proposals will be awarded by the end of September.

C. Perret questioned an issue from the last meeting regarding the legality of cooperation between NOAA and state/university personnel on MARFIN projects. D. Ekberg stated that per his discussion with J. West, current policy does state that it is illegal for cooperation. D. Ekberg and A. Kemmerer clarified that NOAA personnel can not be named on a state/university proposal (i.e., listed as a Principal Investigator) because it is illegal for NOAA personnel to assist in writing proposals for state/university agencies.

It was suggested that proposals involving cooperation between state/university and NOAA personnel, list only the NOAA/NMFS laboratory that will be cooperating.

Southeast Regional Director Modifications

A. Kemmerer reported that he accepted most all the recommendations from the Board regarding FY90 awards. One exception included the Mote Marine proposal, sampling mackerel in Mexico. He stated that he felt very strongly that this project should continue. Funding of the project was accomplished by shifting the marketing program on butterfish into the FY91 fiscal year.

MARFIN Conference

L. Simpson distributed a tentative agenda for the MARFIN Conference and a Calendar of Activities for Sea Fare 1990. The Conference is scheduled for Wednesday, October 31 from 1:00-5:00 p.m. and Thursday, November 1 from 8:00 a.m. - 5:00 p.m. L. Simpson suggested that a Board meeting be scheduled for Friday morning or perhaps a 1-2 hour meeting after the Thursday conference.

The members requested as a first choice a Wednesday morning meeting with Friday morning being an alternate time. L. Simpson stated he will check the schedule and notify Board members of the time frame for the Board meeting. L. Simpson also stated the information regarding hotel accommodations is being finalized and will be forwarded to members as soon as possible.

The Board reviewed the agenda for the Conference. It was noted that J. Cato would not be able to attend the Conference. L. Simpson was named to replace him as Chair of Session I.

Establish Research Priorities for FY91 Awards

The Board members reviewed and commented on FY91 funding priorities distributed by D. Ekberg. Revisions to the FY91 funding priorities made by the Board are attached.

NMFS Projects for FY91

D. Ekberg distributed a list of NMFS Projects for FY91 (attached). He also distributed and reviewed project summaries on NMFS-SERO proposals.

W. Nelson distributed and reviewed project summaries on NMFS-SEFC proposals.

D. Ekberg reported that there are 4 second-year projects at a cost of \$196,900 and 5 third-year projects at \$294,200 that are to be funded in FY91.

| | |
|---------------------------------|--------------------|
| Total Multi-Year Projects | \$491,100 |
| Marketing Project on Butterfish | 50,000 |
| NMFS FY91 Request | <u>\$1,303,160</u> |
| TOTAL | \$1,844,260 |

Approximate MARFIN FY91 Allocation: \$3,000,000 (pending congressional action)

The Board will review these proposals and discuss at the next Board meeting held in conjunction with the Conference.

There being no further business, the meeting adjourned at 4:55 p.m.

II. Funding Priorities

A. Proposals for FY91 should exhibit familiarity with related work which is completed or ongoing. Where appropriate, proposals should be multidisciplinary. Coordinated efforts involving multiple institutions or persons are encouraged. While the areas for priority consideration are listed below, proposals in other areas will be considered on a funds available basis.

1. Shrimp

a. Shrimp Trawler Bycatch (Very high priority)

1. These studies should include collection and analyses of new data using a multi-species approach with emphasis on species under federal or state management.

2. Quantification and further analysis of existing biological data obtained from observers, fishery independent surveys and other sources.

3. Data collection and analyses related to the economic and social consequences of bycatch and various bycatch alternatives in the shrimp fisheries including impact of management options. Capital/labor mobility and effort changes related to costs, management and/or increased fish abundance should be considered. Sociological studies should describe the demographic, social, and cultural characteristics of the fishermen as they may affect vocational and geographic mobility in response to changing fishery regulations. Direct and indirect economic and social consequences should be considered.

4. Development and evaluation of gear and fishing tactics to reduce inshore and offshore bycatch. Biological, economic, and social implications should be considered.

b. Limited Entry

Proposals should concentrate on the development and assessment of models which predict economic changes in total fishing value, distributional effects and costs of fishery management including enforcement and data costs. Sociological studies should describe the demographic, social, and cultural characteristics of the fishermen as they may affect vocational and geographic mobility in response to changing fishery regulations.

2. Oceanic Pelagics

a. Longline Fishery Including Bycatch

1. Quantification and analysis of existing data with special emphasis on existing logbook data.

2. Collection and analyses of new data using a multi-species approach.

3. Development and evaluation of gear and fishing tactics to reduce bycatch. Biological, economic, and social factors should be considered.

b. Sharks (Very high priority)

1. Characterization of the directed commercial, commercial bycatch, bycatch from other fisheries, and recreational fisheries by species and gear type through analysis

of new and existing data.

2. Determination of baseline cost and returns for longline fisheries which target or retain sharks, and estimation of demand curves for shark products and recreational shark fisheries.

3. Development of stock assessment and species profiles for target species.

3. Reef Fish (High priority)

a. Determination of recruitment processes for shallow and deep-water reef fish.

b. Identification of reef fish stock structure.

c. Compilation of existing data on location and areal extent of reef fish habitats.

d. Collection and analysis of life history and catch and effort data for stock assessment with special emphasis on shallow and deep water grouper, amberjack, and grey triggerfish, including longline fishery data.

e. Description of the demographic, social and cultural characteristics of fishermen. Economics proposals should concentrate on the development of models which are capable of determining the economic effects of reef fish management including bag limits, size limits, quotas, seasonal/area closures, gear restrictions and limited entry. Proposals should incorporate biological considerations, either endogenously or exogenously. Emphasis should be placed on the development of model structures. These models may be tested using hypothetical

data if sufficient empirical data are unavailable.

f. Studies contributing to the early life history of red snapper, specially related to larval survival.

4. Coastal Herrings & Butterfish

a. Collection of fishery independent data using resource surveys.

b. Description of predator-prey relationships.

c. Development of species profiles of coastal herrings and associated species.

5. Coastal Pelagics

a. Determination of recruitment indices for king and Spanish mackerel, cobia, and dolphin.

b. Collection and analysis of king and spanish mackerel data from the entire Gulf of Mexico.

6. General

a. Determination of hook/release mortality for king and Spanish mackerel, reef fish, amberjack, and dolphin as a function of capture depth, handling, tackle, water temperature and other related factors.

b. Development of educational materials which can be used at sea by recreational and commercial fishermen to identify fish. Special emphasis should be given to sharks and reef fish.

c. Assessment of the changes in recreational and commercial values which have resulted from the implementation of bag limits, size limits, quotas or other management rules for red

drum, mackerels, spotted sea trout, and reef fish.

d. Determination of sources and extent of unreported recreational and commercial catches of major Gulf of Mexico fisheries.

e. Studies that contribute to the economic and biological improvement of the estuarine fish, marine molluscs, and crab fisheries.

B. MARFIN financial assistance for projects started in fiscal year 1986. For fiscal years 1986, 1987, 1988, 1989, and 1990 awards totaled \$9.082 million. Funding by fisheries was as follows:

| | <u>\$ thousand</u> | <u>Percent of total</u> |
|--|--------------------|-------------------------|
| 1. Shrimp (includes TED technology transfer) | 1,525.8 | 16.8 |
| 2. Menhaden | 70.9 | 0.8 |
| 3. Coastal pelagics | 1,228.2 | 13.5 |
| 4. Reef fish | 608.9 | 6.7 |
| 5. Coastal herrings | 577.6 | 6.4 |
| 6. Ocean pelagics | 455.3 | 5.0 |
| 7. Marine mollusks | 387.2 | 4.3 |
| 8. Crabs and lobsters | 564.4 | 6.2 |
| 9. Bottomfish | 89.1 | 1.0 |
| 10. Marine mammals and endangered species | 288.2 | 3.2 |
| 11. Estuarine fish | 3,200.5 | 35.2 |
| 12. General | 85.9 | 0.9 |

C. Priority in program emphasis will be placed upon funding projects that have the greatest probability of recovering, maintaining, improving, or developing fisheries, improving our understanding of factors affecting recruitment success, generating increased values from fisheries, and generating increased recreational opportunity and harvest potential. Projects will be evaluated as to the likelihood of achieving these benefits through both short-term and long-term research projects with consideration of the magnitude of the eventual economic benefit that may be realized. Both short-term projects that may yield more immediate benefits and long-term projects yielding greater benefits will receive equal emphasis.

D. Further information on current programs that address the above listed priorities may be obtained from the NMFS Southeast Regional Office (see ADDRESSES).

1991 MARFIN IN-HOUSE PROPOSALS

9/19/90

| PROJ# | APPNAME | PROJNAME | PI | STARTDAT | ENDDATE | \$ |
|----------|---------|---|------------------|----------|----------|--------------|
| 91NMFS01 | SERD | MARFIN PROGRAM MANAGEMENT | EKBERG, DONALD | 10/01/90 | 09/30/91 | \$75,000.00 |
| 91NMFS02 | SERD | EDUCATIONAL TOOLS FOR MARINE RECREATIONAL FISHERMEN IN THE GOM | SCHMIED, RONALD | 10/01/90 | 09/30/91 | \$29,000.00 |
| 91NMFS03 | SERD | ECONOMIC ASSESSMENT OF THE GOM COMMERCIAL REEF FISH FISHERY | WATERS, JAMES | 10/01/90 | 09/30/91 | \$65,160.00 |
| 91NMFS04 | SERD | ECONOMIC ANALYSIS OF FINFISH BY-CATCH IN THE GOM SHRIMP FISHERY | WARD, JOHN | 10/01/90 | 09/30/91 | \$22,000.00 |
| 91NMFS05 | SEFC | EVALUATION OF THE IMPACTS OF BYCATCH EXCLUDER DEVICES (BEDs) ON FINFISH AND SHRIMP CATCH RATES IN THE GOM | KLIMA, EDWARD | 10/01/90 | 09/30/91 | \$115,000.00 |
| 91NMFS06 | SEFC | REPRODUCTIVE BIOLOGY OF REEFFISH | NAKAMURA, EUGENE | 10/01/90 | 09/30/91 | \$75,000.00 |
| 91NMFS07 | SEFC | DATA COLLECTION FOR SHARKS | CASTRO, JOSE | 10/01/90 | 09/30/91 | \$55,000.00 |
| 91NMFS08 | SEFC | SMALL PELAGICS RESOURCE SURVEYS | NELSON, WALTER | 10/01/90 | 09/30/91 | \$460,000.00 |
| 91NMFS09 | SEFC | GEAR DEVELOPMENT FOR BYCATCH REDUCTION | NELSON, WALTER | 10/01/90 | 09/30/91 | \$357,000.00 |
| 91NMFS10 | SEFC | TECHNOLOGY TRANSFER | NELSON, WALTER | 10/01/90 | 09/30/91 | \$50,000.00 |

Total: \$1,303,160.00

APPROVED BY:


COMMITTEE CHAIRMAN

TCC ANADROMOUS FISH SUBCOMMITTEE

MINUTES

Monday, October 15, 1990
Panama City Beach, FL

TCC ANADROMOUS FISH SUBCOMMITTEE
MINUTES
Monday, October 15, 1990
Panama City, Florida

Chairman Vernon Minton called the meeting to order at 9:04 a.m.
The following were in attendance:

Members

Richard L. Applegate, FWS, San Marcos, TX
I. B. "Buck" Byrd, NMFS, St. Petersburg, FL
Alan Huff, FDNR, St. Petersburg, FL
Charles Mesing, FGFFC, Tallahassee, FL
Vernon Minton, ADCNR, Gulf Shores, AL
Larry C. Nicholson, GCRL, Ocean Springs, MS
Terry D. Stelly, TPWD, Rockport, TX
Gary Tilyou, LDWF, Baton Rouge, LA

Staff

Ron Lukens, Assistant Director/Program Coordinator
Nancy Marcellus, Staff Assistant
David Donaldson, SEAMAP Program Coordinator

Others

John T. Brown, FWS, Atlanta, GA
Leslie Holland-Bartels, FWS, Atlanta, GA
Frank M. Parauka, FWS, Panama City, FL
John Forester, FWS, Natchitoches, LA
Laura Jenkins, FWS, Panama City, FL
Chuck Reynolds, FWS, Panama City, FL
Karen K. Reay, Multi-State Fish & Wildlife Information Systems,
Blacksburg, VA
Tom Lovell, Auburn University, Auburn, AL
David Pritchard, NMFS, St. Petersburg, FL
Ron Schmied, NMFS, St. Petersburg, FL
Steve Rideout, FWS, Washington, DC
Eugene Nakamura, NMFS, Panama City, FL
Ed Joyce, FDNR, Tallahassee, FL

Adoption of Agenda

The agenda was approved with the request to move Dr. Tom Lovell's presentation up on the agenda if time became a factor.

Adoption of Minutes

The minutes from the March 12, 1990 meeting were adopted as presented.

Review and Approval of Mission Statement

* The Subcommittee reviewed the prepared mission statement. B. Byrd suggested that the words "its estuaries and tributaries" be added after Gulf of Mexico. A. Huff further suggested that the mission statement start with the words "The GSMFC TCC Anadromous Fish Subcommittee shall provide ..." T. Stelly made a motion to adopt the mission statement as modified. The motion was seconded by B. Byrd and approved unanimously.

Radiotag Proposal

* The Subcommittee again discussed the radiotag proposal which would develop a radio/sonic tag for tracking anadromous fish. Included in the design is a salinity switch which would change the tag from radio transmissions in fresh water to an acoustic signal in salt water. The Subcommittee felt this device would greatly aid in the tracking and subsequent knowledge of anadromous fish. B. Byrd made the motion for the Subcommittee to endorse this proposal based on a need for the technology and to assist in seeking funding. L. Nicholson seconded the motion which was passed unanimously by the Subcommittee.

Nuclear DNA Project Update

C. Mesing discussed progress on the nuclear DNA proposal and reported that Phase III of the proposal has been funded by FWS administrative funds.

Program Coordinator's Report

Sturgeon Fishery Management Plan - R. Lukens announced that the the initial FMP organizational meeting will take place this evening. The work group appointed at the last meeting will attend this meeting to develop an outline and time table.

Striped Bass Sampling Guidelines - Lukens thanked the Subcommittee for their efforts in developing the document. The Subcommittee then reviewed the document page by page and provided comments.

Since a narrative on a guidelines document is hard to follow Byrd suggested that the document be restructured and agreed to work with Lukens on the restructuring. It is intended to be a standardized

document to recommend that if someone is going to do this type of work that it is recommended that it be done this way. The members were asked to standardize egg and larvae data to a volumetric base.

* B. Byrd made the motion that the Subcommittee thoroughly study the entire document and advise R. Lukens of any comments by November 1, 1990. A. Huff seconded the motion which passed unanimously. After this effort Byrd and Lukens will proceed with the restructuring of the document.

Broodstock Nutrition Study Proposal

The Subcommittee reviewed a proposal by Dr. Tom Lovell of Auburn University to develop a diet to improve egg production in domestic striped bass broodstock. The project would be a cooperative effort between FWS hatcheries and Auburn University. Byrd noted that this activity is extremely important to carrying out the striped bass FMP in the Gulf and is a high priority of the Subcommittee.

* B. Byrd moved that the Subcommittee endorse this proposal in the form of a letter from the Commission to the NMFS Regional Director. The motion was seconded and passed unanimously.

Gulf of Mexico Striped Bass Initiative

Discussion of White Paper - Lukens introduced this item with background comments on when and why the development of the white paper was begun. It was evident that there was a great deal of confusion and misinformation on many levels regarding what type of striped bass restoration activities were ongoing and what successes had been attained. Once the document itself was begun, it became apparent that one of the major problems over the last 23 years of efforts was the extremely limited amount of money made available to the states for the necessary work, particularly when compared to similar efforts in other areas of the country.

Lukens pointed out that he had also constructed a position statement which reflects the conclusions in the white paper, i.e. that the GSMFC and its member states are committed to pursuing a coordinated effort to restore and manage striped bass in the Gulf of Mexico region,

and that to do an effective job, funding for necessary activities would have to increase. After considerable discussion as to the language in the position statement, several suggested changes were included. Lukens indicated that he would make the minor editorial changes in the white paper to accurately reflect the amendments made to the position statement.

* L. Nicholson moved to adopt the white paper and position statement with the editorial changes. The motion was seconded and passed without objection.

Discussion of Cooperative Agreement - Lukens provided the Subcommittee with some background as to how the proposed cooperative agreement between the GSMFC and FWS Region 4 came about. It was determined that by entering into a formal agreement with the FWS, both the states and the FWS would be better able to carry out their respective responsibilities regarding anadromous fish work, and that the proposed cooperative initiative for a coordinated approach to restoration and management would be greatly enhanced.

* It was brought up that Texas is in FWS Region 2 and currently has an ongoing cooperative agreement with Region 2. The question was asked how the current proposal would affect that situation. J. Brown, FWS Region 4, assured the Subcommittee that Region 4 would work closely and coordinate with Region 2 to carry out all the provisions of the proposed agreement. He also commented that the proposed agreement would not in any way affect the existing agreement between Texas and Region 2. It was suggested that a sentence be added that the proposed agreement would not affect any other existing agreements. Following other suggested minor changes, B. Byrd moved to adopt the proposed cooperative agreement with the changes to send forward to the TCC. The motion was seconded and passed without objection.

1991 Striped Bass Summit Planning - Lukens pointed out that the Subcommittee had been contacted by phone regarding their approval to move forward with an initiative to plan for a major state-federal cooperative program to restore and manage striped bass in the Gulf of Mexico region. Upon receiving that approval, Lukens proceeded to include a planning workshop in the 1991 Wallop-Breaux Administrative Program proposal.

Much discussion ensued regarding the goals and objectives of the workshop to be called the "1991 Striped Bass Summit". Several categories of information needed at the summit were suggested and include 1) describe and evaluate the problem, 2) determine status of existing stocks, 3) describe existing management programs and goals, 4) develop future management goals and strategies, 5) develop a prioritized research agenda, 6) develop an information and education program, and 7) develop cost estimates for identified activities. Lukens will mail out a letter to each state and federal agency providing these seven categories for their review and comment back to Lukens by December 14.

The Subcommittee elected to hold the summit over a three day period in February 1991. Mobile, Alabama was suggested as a first choice for the meeting location due to easy accessibility and reasonable travel and lodging costs.

J. Brown suggested that a meeting facilitator be brought in to run the meeting. All agreed. Lukens will continue to work on the logistics for the summit.

Election of Chairman

* Motion was made by L. Nicholson to reelect Vernon Minton as Chairman and was then unanimously elected by the Subcommittee. Chairman Minton appointed Alan Huff to serve as Vice-Chairman.

Other Business

* L. Nicholson made a motion for the Subcommittee to send a letter of commendation to Buck Byrd on his retirement.

There being no further business the meeting adjourned at 5:00 p.m.

APPROVED BY:

Harriet Perry
COMMITTEE CHAIR

TCC CRAB SUBCOMMITTEE

MINUTES

Monday, October 15, 1990
Panama City Beach, FL

TCC CRAB SUBCOMMITTEE
MINUTES - Session I
Monday, October 15, 1990
Panama City, Florida

H. Perry, Chairperson, called the meeting to order at 1:12 p.m. The following were in attendance:

Members

Vince Guillory, LDWF, Bourg, LA
Steve Heath, ADCNR, Dauphin Island, AL
Harriet Perry, GCRL, Ocean Springs, MS
Phil Steele, FDNR/FMRI, St. Petersburg, FL
Tom Wagner, TPWD, Port O'Connor, TX

Staff

Cindy Dickens, IJF Staff Assistant

Others

Theresa Bert, FDNR/FMRI, St. Petersburg, FL
Charles Moss, Texas Agriculture & Extension Service, Angleton, TX
Bart Reid, Aquamar, Panama City, FL

Adoption of Agenda

The subcommittee agreed to defer all subcommittee business to the next day's session. A data collection discussion with Skip Lazauski, Chairman of the TCC Data Management Subcommittee, was also added to the next day. The subcommittee agreed to devote Session I entirely to Menippe adina.

Work Session on Menippe adina

H. Perry informed the subcommittee that their activity to publish a stone crab profile through the commission has received the o.k. from Larry Simpson. The detailed profile on Menippe adina shall consist of the most recent biological and fishery information including geographic distribution, morphometric characteristics, habitat preferences, environmental parameters, fishing effort, etc. V. Guillory distributed a preliminary stone crab bibliography, and H. Perry distributed a questionnaire for each state representative to fill-in stone crab information for each state.

H. Perry then introduced Dr. Theresa Bert, Florida Department of Natural Resources, Florida Marine Research Institute, who was invited to speak on stone crabs. Dr. Bert presented an in-depth overview of stone crabs which addressed stock identification, stock abundance, egg production, larval transport,

megalopal settlement, juvenile distribution and abundance, mortality, migration, sexual maturity, claw harvest (smaller vs. larger), gear conflicts between shrimp fishermen and crab fishermen, gear types, etc. Dr. Bert noted that an assortment of literature is available, and cautioned the subcommittee to carefully interpret existing literature. She noted Andy Landry and Jan Boslet for Texas data and Don Baltz and Gerald Horst for Louisiana data as sources of information for the stone crab profile.

Several points were made during the discussion including: (1) M. adina is almost exclusively harvested in state territorial waters in the northern gulf and is considered an incidental/supplemental fishery; (2) M. adina is generally a smaller crab than is M. mercenaria, and the percent of the animals having a harvestable claw would be significantly less than M. mercenaria; and (3) possible adoption of the current Florida claw size throughout the Gulf of Mexico since a smaller claw would be of less value than the larger claw.

The subcommittee thanked Dr. Bert for her participation at the Crab Subcommittee meeting and the informative presentation and subsequent discussion.

The TCC Crab Subcommittee recessed at 4:09 p.m.

TCC CRAB SUBCOMMITTEE
MINUTES - SESSION II
October 16, 1990
Panama City, Florida

H. Perry, Chairperson, reconvened the meeting at 8:00 a.m. The following were in attendance:

Members

Vince Guillory, LDWF, Bourg, LA
Steve Heath, ADCNR, Dauphin Island, AL
Harriet Perry, GCRL, Ocean Springs, MS
Phil Steele, FDNR/FMRI, St. Petersburg, FL
Tom Wagner, TPWD, Port O'Connor, TX

Staff

Rick Leard, IJF Program Coordinator
Cindy Dickens, IJF Staff Assistant

Others

Theresa Bert, FDNR/FMRI, St. Petersburg, FL
Charles Moss, Texas Agriculture & Extension Service, Angleton, TX
Buck Byrd, NMFS, St. Petersburg, FL
Joe Gill, MDWFP/BMR, Biloxi, MS
Ed Joyce, FDNR, Tallahassee, FL
Skip Lazauski, ADCNR, Gulf Shores, AL
Larry Nicholson, GCRL, Ocean Springs, MS

Adoption of Minutes

The minutes of the meeting held March 13, 1990, in Orange Beach, Alabama, were adopted with a minor addition.

Data Collection Discussion

The subcommittee invited Skip Lazauski to join them in order to gain his input on present data collection methods and how specific data needs of the TCC Crab Subcommittee can be met. Lazauski briefly described data collection methods including the TIP Program, commercial landings data collection, and industrial surveys. Problems with data collection were also discussed. Lazauski identified one problem with crabs landed in Mississippi without being reported as Mississippi landings. He noted the crabs are directed loaded onto a truck and shipped to Alabama. In Alabama, they are reported as processed product. Lazauski advised the state representatives to identify elements of data that are needed and convey this information to their state statistical people.

The subcommittee discussed data on blue crab subsequent to publication of the FMP. The subcommittee concluded that after 1990 landings are received, Section 8 should be updated, and a reassessment of the status of the fishery should be done. The subcommittee agreed to request statistical assistance from the TCC Data Management Committee. V. Guillory agreed to attend the TCC Data Management Subcommittee meeting on behalf of the subcommittee to request their review of data in Section 8 of the Blue Crab FMP.

State Reports

Florida - P. Steele reported on the genetics research project which has collected tissue from 16 sites in 12 states throughout the United States ranging from New York to Texas. Other projects continue on mitochondrial DNA and electrophoresis. A manuscript has been completed and submitted to the "Bulletin of Marine Science" on L. texanus. The manuscript deals with three sections: (1) frequency of occurrence (distribution and relative abundance), (2) aspects of life history, and (3) morphological variation. A manuscript from Tampa Bay on migration is ongoing, and Steele noted that no Geryon research is being done.

Alabama - S. Heath reported their main product is the accumulation of assessment data. Ten years of data have been entered into their computer and are in the process of being proofread. Heath noted their larval distribution project was "killed" due to a lack of funding. He noted that their isn't anyone dedicated specifically to crabs in Alabama.

Mississippi - H. Perry reported the proposal to continue hormonal induction has been accepted at the preproposal stage, and the proposal is continuing in the process. Perry noted that LSU engineers are to evaluate systems used for hormonal shedding. Perry further reported on the industry harvesting sector survey funded by interjurisdictional funds. Perry distributed the final MARFIN report on Geryon.

Louisiana - V. Guillory distributed a recreational survey done in Terrebonne Parish. He noted a small industrial survey has been completed, but the data has not be analyzed yet. He noted 1990 has been a good year as far as crab harvest in Louisiana. He informed the subcommittee that the 1990 Louisiana

legislature passed a bill which states all commercial fishermen will be issued a sales card to track data.

Texas - T. Wagner informed the subcommittee that Texas was mandated to have a state crab fishery management plan by January 1, 1991. He asked the subcommittee's permission to draw from the regional FMP. The subcommittee unanimously agreed. Wagner distributed annual landings of blue crabs in Texas. He noted multi-use studies and genetics research being performed at the Perry R. Bass Research Station.

Review of Section 8 of the Blue Crab FMP

State representatives reported incoming state data conflicts with corresponding NMFS data. The FMP used the NMFS standardized data base available at the time. Discussion ensued on whether to use state data. The subcommittee agreed to have a work session at the April GSMFC meeting. State representatives will bring in new data to perform an assessment of the fishery. All information updates should be brought in. Sections needing major revision include sections 8 (to include new data), 14 (more recommendations), and 11 (in-depth sociological data).

The set-up of a crab repository was discussed, and the subcommittee unanimously agreed to the concept. R. Leard agreed to remind state representatives by letter to send in publications, new data, information updates, etc. The GSMFC will hold accumulated documents and maintain an updated index of repository contents. P. Steele noted that Section 8 data files (graphs) will be sent in to the GSMFC office to be included in the repository.

It was further agreed that any errors found in the FMP will be sent in to the GSMFC office by copying the pertinent page(s).

New Regulations for the Blue Crab Fishery in Texas/Impact on the Industry

C. Moss distributed "Texas 1990-1991 Commercial Fishing Guide" to the subcommittee. He specifically noted page 2, "Gear Tag" and page 17, third paragraph, under "Crab" (see attachment 1). Moss noted that the industry agreed that their main problems were overfishing and thief of traps and product.

Industry needs include identification of fishermen, identification of traps, and input into management planning.

Use of Circular Statistics in Analyzing Blue Crab Migration Data in Florida

P. Steele distributed two papers - "Movements of Adult Female Dungeness Crabs (Cancer magister) in Northern California Based on Tag Recoveries," by Nancy Diamond and David G. Hankin; and "Analysis of Directional Movement of Tagged Animals," by Robert Harris. Steele noted the reference, Batschelet, E. 1981. Circular statistics in biology. Academic Press, London. 371 p., as extremely informative.

Final Review of the TCC Crab Subcommittee Mission Statement

*T. Wagner motioned to approve the mission statement as written. P. Steele seconded, and the motion passed unanimously (see attachment 2).

Discussion of Regional Tagging Program

H. Perry reported that Louisiana and Texas (at the agency level) will not participate in a regional tagging program. She queried could it be a subcommittee function without the full cooperation of all gulf states? Discussion ensued, and the subcommittee agreed to withdraw the proposal from the TCC at this time.

Election of Chairman

*H. Perry opened the floor for nominations. P. Steele nominated H. Perry. S. Heath seconded, and H. Perry was elected chairperson by acclamation.

Other Business

H. Perry opened discussion of the potential membership of Dr. Theresa Bert on the TCC Crab Subcommittee. The subcommittee agreed by consensus to her membership.

There being no further business, the subcommittee adjourned at 12:10 p.m.

POSSESSION OF PROHIBITED FISHING DEVICES

It is unlawful to possess a device designed to catch fish or other aquatic life in or on the public water of this state where the use of the device is prohibited.

In coastal waters, a prohibited device may be possessed on board a vessel if the vessel is in port or in a marked channel going directly to or from an area in this state where the use of the device is permitted.

Gill nets, trammel nets, strike nets, and seines may not be possessed within **500 YARDS** of any public **COASTAL** waters.

DEFINITIONS

Bait: Something used to lure aquatic animal life.

Bow: A bow includes, the longbow, recurved bow, or compound bow that is hand-held and hand-drawn, and that has no mechanical device built into, or attached to, that will enable the archer to lock the bow at full or partial bow. Other than energy stored by the hand-held, hand-drawn bow, no device to propel the arrow will be permitted.

Cast Net: A net which can be thrown or cast to drop over an area.

Crab Line: A baited line with no hook or pole attached.

Crab Measurement: Blue crabs are measured across the widest point of the body from tip of spine to tip of spine. Stone crab claws are measured by the propodus length which is that distance from the tip of the immovable claw finger to the first joint behind the claw.

Daily Bag Limit: The quantity of a species that may be taken in one day.

Day: As used in daily bag limit is that period of time that begins at midnight and ends the following midnight.

Fishing: Taking or trying to take fish, shrimp, crabs, oysters, clams, mussels, naiads, or any other aquatic life by any means.

Gaff: Any hand held pole with a hook attached.

Game Fish:

- Bass: Guadalupe, largemouth, smallmouth, spotted, striped, white or yellow
- Catfish: blue, channel or flathead
- Cobia
- Crappie: black or white
- Drum: red
- Mackerel: king or Spanish
- Marlin: blue or white
- Pickerel
- Sailfish
- Sauger
- Seatrout: spotted
- Sharks: all species
- Snook: all species

- Spearfish: longbill
- Swordfish: broadbill
- Tarpon
- Trout: brown or rainbow
- Wahoo
- Walleye
- and hybrids or subspecies of the above

Gear Tag: A tag constructed of material as durable as the device to which it is attached. The gear tag must be clearly legible and show the name and address of the person using the device and the date the device is set out. (For freshwater trotlines and crab traps, the tag is only valid for 30 days.)

Glg: Any hand held shaft with single or multiple points, barbed or barbless.

Gill Net: A single wall of webbing held vertically in the water by a line with weights and a line with floats.

Grabble: To take or attempt to take fish with the hand.

Hoop Net: A net distended by a series of hoops or frames, covered by non-metallic netting.

Jug Line: A fishing line with five or less hooks tied to a free-floating device.

Natural Bait (salt water): A whole or cut-up portion of a fish or shellfish or a whole or cut-up portion of plant material in its natural state, provided that none of these may be altered beyond cutting into portions.

Non-game Fish (rough fish and bait fish): All species not listed as game fish except endangered or threatened fish which are defined and regulated under separate rules.

Non-resident: A person who does not meet the resident requirements.

Noodling Pole: A length of pole constructed of wood, metal, fiberglass or other material whether hollow or solid, with a hook attached and used to snag or foul hook fish.

Pole and Line: A line with hook, attached to a pole. This gear includes rod and reel.

Possession Limit: The maximum number of a species of game, fish, or other animals that may be possessed at one time.

Purse Seine: A net with flotation on the corkline adequate to support the net in open water without touching bottom with a rope or wire cable strung through rings attached along the bottom edge to close the bottom of the net.

Resident: A person who has lived in Texas for more than 6 months immediately before applying for a license. (This includes residents and their spouses or unmarried children living at home who enter the United States Armed Forces and continue to list Texas as their state of residency with the armed forces.)

Special Provisions—Oysters may be taken only from waters approved by the State Commissioner of Health.

The harvesting, shucking, processing and sale of oysters must conform to all regulations

specified by the Texas Department of Health. Certified shellfish dealers handling oysters taken from public waters shall pay a \$1 per barrel fee to the Texas Parks and Wildlife Department for each barrel of oysters processed.

CRABS

It is unlawful to possess egg-bearing female crabs (sponge crabs) or stone crabs. No person may buy or sell a female crab that has its abdominal apron detached and was taken from coastal waters. All other crabs may be taken in any number at any time according to the methods and restrictions below.

Crabs may be taken in any number and at any time by crab line, crab trap and umbrella net (not exceeding 16 square feet). Crabs caught in the devices legally used for taking fish or shrimp and operated in legal places and at legal times may be retained. No more than 300 crab traps may be used by any person. Crab traps may be used only in the coastal waters of the state. Crab trap buoys must be marked with a gear tag. The gear tag is valid for only 30 days after date set out. Crab traps must be marked with an orange floating, visible buoy not less than 6 inches in width, and 6 inches in height, or with orange plastic bottles of not less than one-gallon size. Crab traps may not exceed 18 cubic feet.

No blue crab less than five inches in carapace width, measured from tip of spine to tip of spine, may be possessed, except that not more than five percent by number of undersized crabs may be possessed if placed in a separate container at the time of taking. All crabs less than the minimum size not retained shall be returned to the waters from which taken.

Only one claw may be removed from a stone crab and the crab must be returned immediately to the waters where taken. The minimum claw size is 2½ inches as measured from the tip of the immovable claw finger to the first joint behind the claw.

In Aransas County, it is unlawful to place a crab trap within 200 feet of a marked navigable channel, or to place a crab trap in Little Bay and the water area of Aransas Bay within ½ mile of a line from Hall Point on the Lamar Peninsula, then direct to the eastern end of Goose Island, then along the southern shore of Goose Island, then along the causeway between Lamar Peninsula and Live Oak Peninsula, then along the eastern shoreline of the Live Oak Peninsula past the town of Fulton, past Nine-mile Point, past the town of Rockport to a point at the east end of Talley Island including that part of Copano Bay within 1,000 feet of the causeway between Lamar Peninsula and Live Oak Peninsula.

In the waters north and west of Highway 146 where it crosses the Houston Ship Channel in Harris County, crabs may be taken by crab lines, hook and line, trotlines and no more than three crab traps only.

OTHER AQUATIC LIFE

It is unlawful for any person to knowingly take, kill or disturb any sea turtle or sea turtle eggs in the State of Texas.

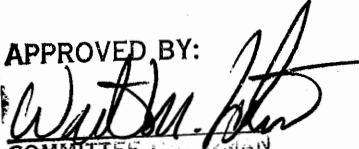
There is no open season in any county for ALL MARINE MAMMALS INCLUDING PORPOISES, DOLPHINS AND WHALES.

Any other aquatic life (except threatened and endangered species) not addressed in this guide may be taken only with the devices defined as lawful for taking fish, shrimp, oysters or crabs in places and at times as provided in this guide.

GULF STATES MARINE FISHERIES COMMISSION

TCC Crab Subcommittee

To provide for the discussion of management, research, issues and activities among the five Gulf States and recommend needed research to the Gulf States Marine Fisheries Commission for the crab fishery in the U.S. Gulf of Mexico.

APPROVED BY:

COMMITTEE CHAIRMAN

TCC SEAMAP SUBCOMMITTEE

MINUTES

**Monday, October 15, 1990
Panama City Beach, FL**

SEAMAP SUBCOMMITTEE
MINUTES
Monday, October 15, 1990
Panama City, FL

Chairman Walter Tatum called the meeting to order at 1:10 p.m. The following members and others were present:

Members

Joe Kimmel, FDNR, St. Petersburg, FL
Terry Cody, (proxy for G. Matlock) TPWD, Austin, TX
Walter Tatum, ADCNR, Gulf Shores, AL
Barney Barrett, LDWF, Baton Rouge, LA
Richard Waller, GCRL, Ocean Springs, MS
Wayne Swingle, GMFMC, Tampa, FL
Scott Nichols, NMFS, Pascagoula, MS

Staff

David Donaldson, SEAMAP Coordinator

Others

David Pritchard, NMFS, St. Petersburg, FL
Buck Byrd, NMFS, St. Petersburg, FL
Skip Lazauski, ADCNR, Gulf Shores, AL
Herb Kumpf, NMFS, Panama City, FL
Ken Savastano, NMFS, NSTL Station, MS
Joanne Shultz, GCRL, Biloxi, MS
Eugene Nakamura, NMFS, Panama City, FL
Jim Hanifen, LDWF, Baton Rouge, LA
John Merriner, NMFS, Beaufort, NC
Walter Nelson, NMFS, Pascagoula, MS

Adoption of Agenda

The agenda was approved with the addition of discussion of the January meeting under Other Business.

Adoption of Minutes

The minutes of the meeting held July 23 and 25, 1990 in Charleston, SC and the conference call held on August 17, 1990 were approved.

Review and Approval of Mission Statement

W. Tatum reviewed the mission statement. W. Tatum accepted a recommendation from the subcommittee to adopt this statement. It was approved unanimously. The final mission statement for the SEAMAP Subcommittee is, "to provide for the cooperative state/federal collection, management and dissemination of fishery-independent data and information in the U.S. Gulf of Mexico region".

Administrative Report

D. Donaldson reported that as of September 30, 1990, the administrative budget totaled \$74,459.18 in expenditures and encumbrances with an available balance of \$19,016.82 to provide for administration through December 31, 1990.

D. Donaldson reported the progress of the Fall Plankton Survey and stated that the Fall Shrimp/Groundfish cruise would begin shortly.

D. Donaldson reported that the 1987 Atlas is out for review and should be to the publisher in the near future. He stated that GSMFC would attempt to publish the 1988 Atlas in 1990. He was assured by NMFS that the necessary tables and plots would be available in time to accomplish this.

D. Donaldson suggested to discontinue the present TCC report since similar information is provided in the Joint Annual Report which is published a few months later. Also, he noted that a report to the TCC would still be produced but it would not be as detailed as the present report. The subcommittee discussed the idea and decided that the TCC report should continue to be published in its present form.

Status of Adult Finfish Sampling Framework -- Report from the Adult Finfish Work Group

S. Nichols reported that the Adult Finfish Work Group met at GCRL on October 3, 1990. He stated that S. Lazauski has completed the data retrieval matrix. This matrix was designed to

provide documentation of previous experiments and provide information in a consistent format.

S. Nichols reported that the work group discussed the development of a sampling protocol for reef fish on hard bottom using both trap/video and longlining strategies. After lengthy discussions about these methods, the work group recommended that a trap/video strategy should be considered as a methodology if an adult finfish survey can be started in the Gulf of Mexico.

Status of FY91 Funds

* W. Nelson reported that the status of FY91 funds are very uncertain due to the current budget problems. He noted that the chance of budget cuts to the SEAMAP program was a possibility. Due to this possibility, the subcommittee decided to discuss a plan of action if cuts were encountered. R. Waller moved that if cuts were 10% or less, there should be an equal reduction among the seven Gulf components. If cuts exceed 10%, the subcommittee will meet, via a conference call, to determine the reduction to each component. The motion was seconded and passed unanimously.

Work Group Reports

Shrimp/Bottomfish

D. Donaldson reported for leader P. Bowman that the work group met on April 27, 1990. The two main topics addressed at the meeting were establishing of additional sampling in the 2 - 5 fathom range and the continuation of comparative tows. He stated that the work group plans to meet in the spring to work out any problems and finalize the Shrimp/Bottomfish cruise.

Environmental

* S. Nichols reported for leader W. Stuntz that the Environmental Work Group have not met since the last SEAMAP meeting. He stated that the work group did act on the subcommittee's request concerning calibration of environmental

data. A discussion of what is acceptable environmental data ensued. From that discussion, R. Waller moved that the refractometer readings remain in the SEAMAP data system with the caveat that the method of collection (refractometer) is noted. The motion was seconded and passed unanimously. Also, R. Waller moved that state entities that presently use a refractometer stop doing so and send water samples to NMFS so NMFS can run the samples on the salinometer. The motion was seconded and passed unanimously. W. Tatum stated that a member of the Environmental Work Group should be present at the next SEAMAP meeting to provide a report on the activities of the work group.

Data Coordinating

K. Savastano distributed and reviewed the SEAMAP Data Management Report (attached). Items noted included:

- data entry, edit and verification of 1989 data is progressing.
- processing of the 1987 Atlas is complete and 1988 Atlas is approximately 40% complete.
- 96 of 97 requests for data have been completed and work is being performed on the remaining request.
- Version 1.16 of SEAMAP Software System has been sent to all users.
- status of the Burroughs mainframe continues to change. SEFC should be completely off the mainframe by the end of November or December.

Plankton

* J. Shultz reported that the Plankton Work Group met on September 28, 1990. She stated that the two major topics discussed were consideration of alternative sorting centers and establishing a SEAMAP winter plankton survey. From the discussion, the work group formulated several action items. The first item was that the work group requested the \$5,000 of SEAMAP

funds be reinstated for the purpose of invertebrate sorting and identification. The second item was to ask the subcommittee to withdraw the \$25,000 for the Polish Sorting Center and use those funds for ichthoplankton and zooplankton sorting at an alternative sorting center(s). R. Waller moved to accept the report. The motion was seconded and passed. R. Waller moved that \$5,000 go to SIPAC as soon as a funding source can be identified. The motion was seconded and passed with Florida, Alabama, Mississippi and Texas abstaining.

Other Business

* S. Nichols stated that the January and April meetings are held fairly close together and there may not be a need for two meetings in such close proximity to one another. He moved to not hold a January meeting in 1991. The motion was seconded and passed. R. Waller moved to give the money saved from not holding a January meeting, up to \$5,000, to SIPAC through the state of Mississippi to increase the sorting effort of commercially important invertebrate species. The motion was seconded and passed with Texas voting against.

There being no further business, the meeting was adjourned at 5:45 p.m.

10-12-90

SEAMAP Data Management Report

- A. SEAMAP data entry, edit, and verification status for the 1989 Gulf data is shown in Attachment 1. Receipt of the South Atlantic 1989 data will be delayed until the January 1991 time frame due to South Carolina having limited manpower resources to apply to the task of reformatting the data to SEAMAP system format.
- B. Processing of the 1987 Atlas has been completed. Processing of the 1988 Atlas is approximately 40% complete.
- C. A total of 97 SEAMAP requests have been received to date. Ninety-six have been completed and work is being performed on the remaining request.
- D. SEAMAP Data Management efforts continue to be focused on getting the data management central operations in place and performing the necessary software enhancements to improve the system. Version 1.16 of the SEAMAP Software System was shipped to all users on October 2, 1990 (Attachment 2). Approximately 63% of the total SEAMAP Data Management's estimated cost of \$536,500 has been committed to contracts on \$338,744. Approximately 97% of the committed contract money or \$328,962, has been utilized as of August 26, 1990. Attachments 3 and 4 provide the status of the system modules.
- E. Plans for the SEFC to be totally off the Burroughs mainframe in Seattle by September 30, 1990 have been changed. The Burroughs mainframe will be used until a mainframe is installed in Miami. This allows continuity in mainframe availability for the SEAMAP Data Management System for awhile. Some problems were encountered with the change over from a Burroughs 7811 system to a Burroughs 7900 system in Seattle. The necessary changes to the SEAMAP System Software were made and implemented in Version 1.16 and the system is now functional on the Burroughs 7900. The next mainframe stress point for the SEAMAP Data Management System will probably be in the December/January time frame when the leased mainframe will be installed in Miami and the entire system has to be transported, installed, and made functional.

Kenneth Savastano

ATTACHMENT 1-

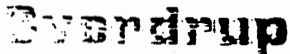
SEAMAP 1989

| DATA SOURCE | STATUS INVENTORY | | BIOLOGICAL | | ENVIRONMENTAL | GENERAL L/F | SHRIMP L/F | | ICHTHYOPLANKTON | | | TOTAL |
|-------------|------------------|------|------------|---------|---------------|-------------|------------|------|-----------------|--------|---------|--------|
| | | | STATION | SPECIES | | | STATION | L/F | STATION | SAMPLE | SPECIES | |
| L 891 | 3 | 7 | 7 | 103 | 7 | 363 | 3 | 96 | *1 | *1 | *1 | 586 |
| L 892 | 3 | 10 | 10 | 200 | 10 | 991 | 7 | 166 | *1 | *1 | *1 | 1394 |
| L 893 | 3 | 10 | *1 | *1 | 10 | *1 | *1 | *1 | 10 | 10 | | 40 |
| L 894 | 3 | 12 | 11 | 259 | 12 | 1452 | 11 | 164 | *1 | *1 | *1 | 1921 |
| L 891 | 3 | 25 | *1 | *1 | 25 | *1 | *1 | *1 | *1 | | | 50 |
| IS 891 | 3 | 41 | 34 | 987 | 41 | 7589 | 21 | 261 | 8 | 22 | | 9004 |
| IS 892 | 3 | 5 | *1 | *1 | 5 | *1 | *1 | *1 | 5 | 15 | | 30 |
| IS 893 | 3 | 20 | 17 | 568 | 20 | 4631 | *1 | *1 | 3 | 9 | | 5268 |
| X 891 | 3 | 80 | 80 | 1324 | 80 | 7050 | 69 | 2403 | *1 | *1 | *1 | 11086 |
| X 892 | 3 | 80 | 80 | 1285 | 80 | 6403 | *1 | *1 | *1 | *1 | *1 | 7928 |
| II 179 | 2 | | 527 | 933 | 37 | | | | | | | 1497 |
| II 180 | 3 | 244 | 243 | 4052 | 188 | 26051 | 141 | 4815 | 21 | 63 | | 35818 |
| II 183 | 3 | 114 | *1 | *1 | 114 | *1 | *1 | *1 | | | | 228 |
| II 184 | 2 | 512 | 491 | 11912 | 229 | 66969 | | | | | | 80113 |
| TOTAL | | 1160 | 1500 | 21623 | 858 | 121499 | 252 | 7905 | 47 | 119 | | 154963 |

STATUS CODES:

- *1 NOT TAKEN
- 2 ENTERED IN P.C.
- 3 ENTERED ON BURROUGHS 7811 (VERIFIED AND DATA BASED)

09-Oct-90



Everbdrup Technology, Inc.
ESG Group
Stennis Space Center, Mississippi 39529

601 688-3505

October 2, 1990
90-731-469

To: SEAMAP Users
From: SEAMAP Central Operations
Subject: SEAMAP Version 1.16

Enclosed please find a complete set of diskettes for SEAMAP DMS Version 1.16. The installation program has been included to install updates as well as to perform a first time installation. However, it is written for SEAMAP to be distributed on 3.5 inch floppy diskettes. Refer to attachment one for procedures to install SEAMAP DMS Version 1.16 from 5.25 inch floppy diskettes. Refer to Section 3.1.2 of the SEAMAP DMS Users Manual for installation instructions from 3.5 inch floppy diskettes.

Also enclosed are updates to your current SEAMAP DMS Users Manual. Replace the pages in your manual with the updated pages. Pages which contain a letter after the page number should be placed after the appropriate page. Those are additions to the manual and not replacement pages.

Below is a list of enhancements made for SEAMAP DMS Version 1.16.

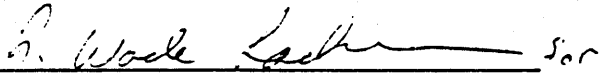
- o The user has the option to not enter SEAMAP station data when entering Ichthyoplankton Station data.
- o The Environmental help screen for station start/end was corrected.
- o On-Line Documentation for Ichthyoplankton summarizes the totals for stations, samples, genus species and lengths.
- o The communications software was modified to interface with the Burroughs 7900.
- o The gear, vessel, operations code and biocode tables were updated.
- o Several problems that were encountered when inserting SEAMAP data into the SEAMAP data base on the Burroughs 7900 and cataloging the data have been corrected. Therefore, Central Operations should be able to insert uploaded data into the SEAMAP data base in a timely manner.
- o An error check was added which will not allow the user to enter a DOS file name with a space within the name.

Attachment 2 continued.

Also enclosed is an upgraded version of the Batch Verification with its documentation. The documentation contains installation instructions. Below is a list of the modifications.

- o The gear, vessel, operations code and biocode tables were updated.
- o Only a .log file is output by the Batch Verification software.

If you have any questions about the SEAMAP DMS, please call (601) 688-3511.



Charlene Burns
SEAMAP Central Operations

EARNED VALUE SUMMARY REPORT
 BASED ON CURRENT FUNDING
 SEAMAP DMS IMPLEMENTATION
 26 AUGUST 1990

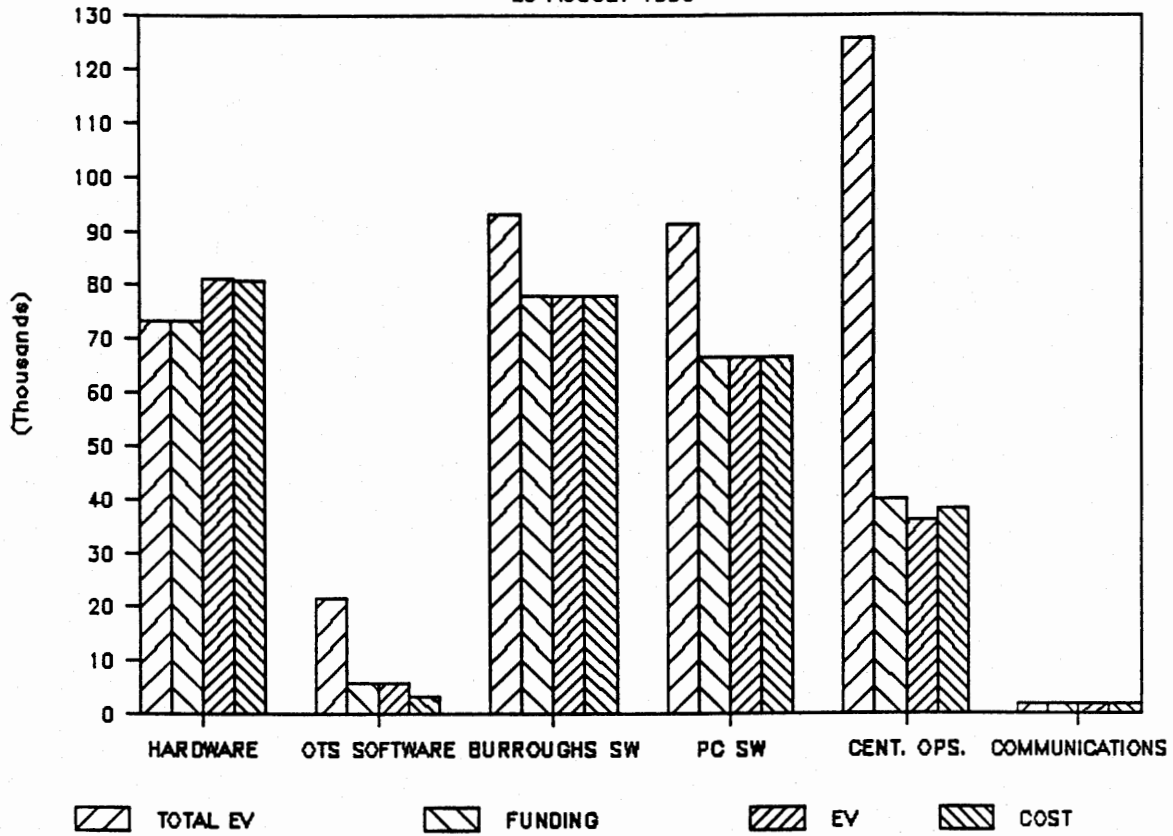
| UNIT NAME | TWR# | EV TO DATE | %EV | ACTUAL COST | %SPENT | VAR (A-E) | %VAR (VAR/EV) | EIC | NVAR | %NVAR | CURRENT MODULE EV | CURRENT FUNDS REMAINING |
|----------------|----------|---------------|--------|----------------|--------|--------------|------------------|---------|------------|--------|-------------------------|-------------------------------|
| TOTAL DMS IMP. | -- | \$363,049 | 109.8% | \$328,962 | 99.5% | (\$34,087) | -9.4% | \$4,400 | (\$38,487) | -10.5% | \$330,607 | \$1,645 |
| TOTAL LABOR | -- | \$237,002 | 107.5% | \$213,036 | 96.6% | (\$23,966) | -10.1% | \$4,400 | (\$28,366) | -11.8% | \$220,503 | \$7,467 |
| TOTAL PROC. | -- | \$125,137 | 114.6% | \$115,016 | 105.3% | (\$10,121) | -8.1% | \$0 | (\$10,121) | -8.1% | \$109,194 | (\$5,822) |
| TOTAL TRAVEL | -- | \$910 | 100.0% | \$910 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$910 | \$0 |
| Total HW Cost | -- | \$81,388 | 111.1% | \$80,885 | 110.4% | (\$503) | -0.6% | \$0 | (\$503) | -0.6% | \$73,251 | (\$8,137) |
| HW Proc Labor | MF4A34 | \$3,251 | 100.0% | \$2,748 | 84.5% | (\$503) | -15.5% | \$0 | (\$503) | -15.5% | \$3,251 | \$0 |
| HW Proc | (NMFS) | \$78,137 | 111.6% | \$78,137 | 111.6% | \$0 | 0.0% | 0 | \$0 | 0.0% | \$70,000 | (\$8,137) |
| Total SW Cost | -- | \$5,751 | 100.0% | \$3,425 | 59.5% | (\$2,326) | -40.4% | \$0 | (\$2,326) | -40.4% | \$5,752 | \$2,327 |
| SW Proc Labor | MF4A37 | \$751 | 99.9% | \$740 | 98.4% | (\$11) | -1.5% | \$0 | (\$11) | -1.5% | \$752 | \$12 |
| SW Proc | (NMFS) | \$5,000 | 100.0% | \$2,685 | 53.7% | (\$2,315) | -46.3% | 0 | (\$2,315) | -46.3% | \$5,000 | \$2,315 |
| Travel Cost | -- | \$910 | 100.0% | \$910 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$910 | \$0 |
| NMFS | MF4A37 | \$910 | 100.0% | \$910 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$910 | \$0 |
| Burroughs SW | -- | \$78,000 | 100.0% | \$77,957 | 99.9% | (\$43) | -0.1% | \$0 | (\$43) | -0.1% | \$78,000 | \$43 |
| Data Handler | MF4A33 | \$42,500 | 100.0% | \$42,486 | 100.0% | (\$14) | 0.0% | \$0 | (\$14) | 0.0% | \$42,500 | \$14 |
| Data Handler | UJPL0301 | \$2,000 | 100.0% | \$1,997 | 99.9% | (\$3) | -0.2% | \$0 | (\$3) | -0.2% | \$2,000 | \$3 |
| Data Handler | UM001203 | \$1,000 | 100.0% | \$991 | 99.1% | (\$9) | -0.9% | \$0 | (\$9) | -0.9% | \$1,000 | \$9 |
| Reformat | MF4A01 | \$20,000 | 100.0% | \$19,995 | 100.0% | (\$5) | 0.0% | \$0 | (\$5) | 0.0% | \$20,000 | \$5 |
| On-line Doc | MF4A38 | \$7,500 | 100.0% | \$7,488 | 99.8% | (\$12) | -0.2% | \$0 | (\$12) | -0.2% | \$7,500 | \$12 |
| Mbox/Bboard | UM001204 | \$5,000 | 100.0% | \$5,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$5,000 | \$0 |
| PC Software | -- | \$66,500 | 100.0% | \$66,485 | 100.0% | (\$15) | 0.0% | \$0 | (\$15) | 0.0% | \$66,500 | \$15 |
| Upload | MF4A32 | \$32,000 | 100.0% | \$31,997 | 100.0% | (\$3) | 0.0% | \$0 | (\$3) | 0.0% | \$32,000 | \$3 |
| Upload | UM001102 | \$5,000 | 100.0% | \$5,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$5,000 | \$0 |
| Upload | UM001103 | \$2,000 | 100.0% | \$2,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$2,000 | \$0 |
| Upload | UJPL0302 | \$6,000 | 100.0% | \$6,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$6,000 | \$0 |
| Download | MF4A31 | \$17,500 | 100.0% | \$17,488 | 99.9% | (\$12) | -0.1% | \$0 | (\$12) | -0.1% | \$17,500 | \$12 |
| Download | UM001201 | \$3,000 | 100.0% | \$3,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$3,000 | \$0 |
| Download | UM001202 | \$1,000 | 100.0% | \$1,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$1,000 | \$0 |
| Analysis/Disp | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |

EARNED VALUE SUMMARY REPORT
 BASED ON CURRENT FUNDING
 SEAMAP DMS IMPLEMENTATION
 26 AUGUST 1990

| UNIT NAME | TWR# | EV TO DATE | %EV | ACTUAL COST | %SPENT | VAR (A-E) | %VAR (VAR/EV) | EIC | NVAR | %NVAR | CURRENT MODULE EV | CURRENT FUNDS REMAINING |
|----------------|----------|------------|--------|-------------|--------|------------|---------------|---------|------------|---------|-------------------|-------------------------|
| Central Ops | — | \$36,000 | 90.0% | \$38,137 | 95.3% | \$2,137 | 5.9% | \$4,400 | (\$2,263) | -5.6% | \$40,000 | \$1,853 |
| Sys Mgmt 89 | MF4A40 | \$5,000 | 100.0% | \$5,020 | 100.4% | \$20 | 0.4% | \$0 | \$20 | 0.4% | \$5,000 | (\$20) |
| Sys Mgmt 90 | MF4A48 | \$5,000 | 100.0% | \$7,136 | 142.7% | \$2,136 | 42.7% | \$2,000 | \$136 | 1.9% | \$5,000 | (\$2,136) |
| Data Process | MF4A53 | \$1,000 | 20.0% | \$1,351 | 27.0% | \$351 | 35.1% | \$400 | (\$49) | -3.5% | \$5,000 | \$3,649 |
| PC SW Main 89 | MF4A44 | \$10,000 | 100.0% | \$9,991 | 99.9% | (\$9) | -0.1% | \$0 | (\$9) | -0.1% | \$10,000 | \$9 |
| PC SW Main 90 | MF4A47 | \$5,000 | 100.0% | \$5,172 | 103.4% | \$172 | 3.4% | \$2,000 | (\$1,828) | -26.1% | \$5,000 | (\$172) |
| B SW Main 89 | MF4A45 | \$5,000 | 100.0% | \$4,997 | 99.9% | (\$3) | -0.1% | \$0 | (\$3) | -0.1% | \$5,000 | \$3 |
| B SW Main 90 | MF4A46 | \$5,000 | 100.0% | \$4,470 | 89.4% | (\$530) | -10.6% | \$0 | (\$530) | -10.6% | \$5,000 | \$530 |
| Special Reqs | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Archival | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Communications | MF4A36 | \$2,000 | 100.0% | \$2,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$2,000 | \$0 |
| Training | — | \$20,000 | 100.0% | \$19,972 | 99.9% | (\$28) | -0.1% | \$0 | (\$28) | -0.1% | \$20,000 | \$28 |
| Site Users | MF4A39 | \$5,000 | 100.0% | \$4,994 | 99.9% | (\$6) | -0.1% | \$0 | (\$6) | -0.1% | \$5,000 | \$6 |
| Training Prep | UM001205 | \$3,000 | 100.0% | \$3,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$3,000 | \$0 |
| Gulf Train | UM001206 | \$4,000 | 100.0% | \$4,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$4,000 | \$0 |
| S Atl Train | MF4A43 | \$2,000 | 100.0% | \$1,983 | 99.2% | (\$17) | -0.9% | \$0 | (\$17) | -0.9% | \$2,000 | \$17 |
| Sys Maint | UM001207 | \$3,000 | 100.0% | \$3,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$3,000 | \$0 |
| Sys S/W Train | MF4A42 | \$3,000 | 100.0% | \$2,995 | 99.8% | (\$5) | -0.2% | \$0 | (\$5) | -0.2% | \$3,000 | \$5 |
| Near Real Time | — | \$67,000 | 195.9% | \$34,194 | 100.0% | (\$32,806) | -49.0% | \$0 | (\$32,806) | -49.0% | \$34,194 | \$0 |
| Data Ent SW | (NMFS) | \$5,000 | 0.0% | \$0 | 0.0% | (\$5,000) | -100.0% | \$0 | (\$5,000) | -100.0% | \$0 | \$0 |
| Comm I'face | (NMFS) | \$5,000 | 0.0% | \$0 | 0.0% | (\$5,000) | -100.0% | \$0 | (\$5,000) | -100.0% | \$0 | \$0 |
| NRT Burr SW | (NMFS) | \$10,000 | 0.0% | \$0 | 0.0% | (\$10,000) | -100.0% | \$0 | (\$10,000) | -100.0% | \$0 | \$0 |
| Port PC SW | (NMFS) | \$5,000 | 0.0% | \$0 | 0.0% | (\$5,000) | -100.0% | \$0 | (\$5,000) | -100.0% | \$0 | \$0 |
| Antenna Proc | (NMFS) | \$30,000 | 100.0% | \$30,000 | 100.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$30,000 | \$0 |
| PC HW Proc | (NMFS) | \$12,000 | 286.1% | \$4,194 | 100.0% | (\$7,806) | -65.1% | \$0 | (\$7,806) | -65.1% | \$4,194 | \$0 |
| Plotting | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Atlas | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |
| Plankton | — | \$5,500 | 55.0% | \$4,997 | 50.0% | (\$503) | -9.1% | \$0 | (\$503) | -9.1% | \$10,000 | \$5,003 |
| Ichthyo DB | UM001101 | \$5,000 | 100.0% | \$4,997 | 99.9% | (\$3) | -0.1% | \$0 | (\$3) | -0.1% | \$5,000 | \$3 |
| Ichthyo DB | MF4A52 | \$500 | 10.0% | \$0 | 0.0% | (\$500) | -100.0% | \$0 | (\$500) | -100.0% | \$5,000 | \$5,000 |
| Zoo DB | NCF | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | \$0 | 0.0% | \$0 | \$0 |

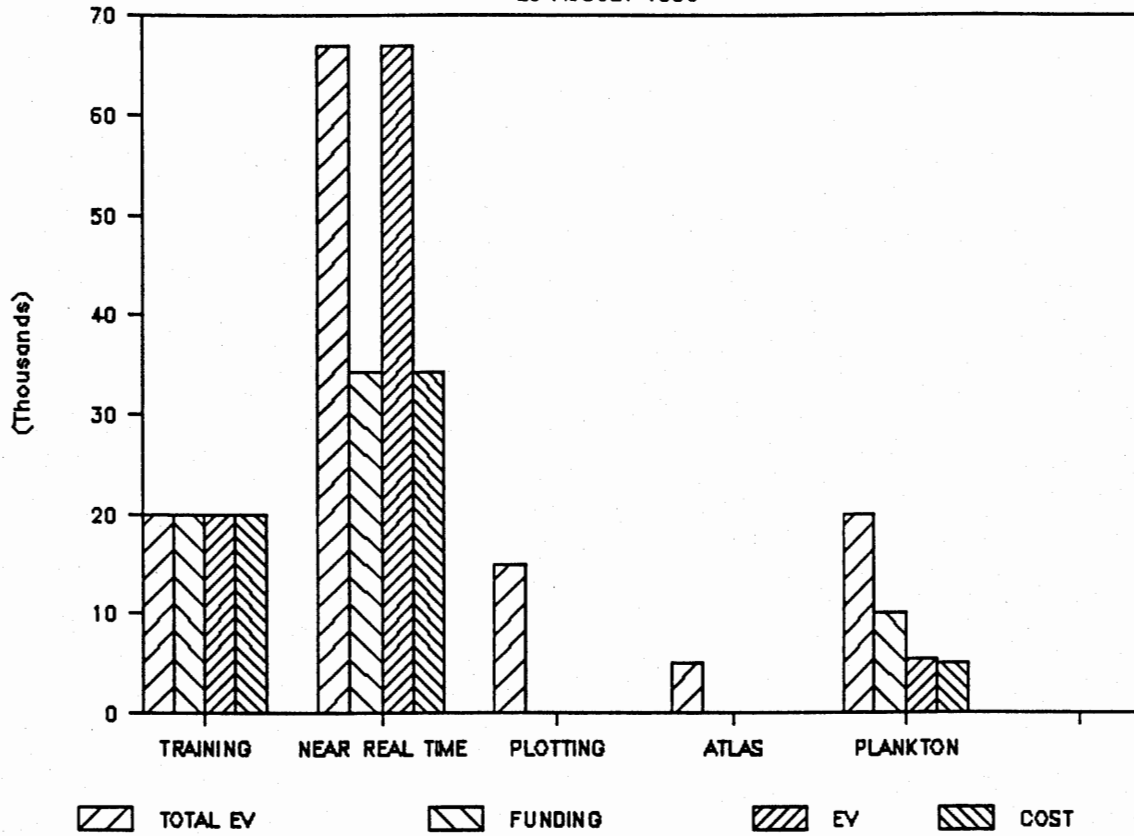
EARNED VALUE SUMMARY REPORT

26 AUGUST 1990



EARNED VALUE SUMMARY REPORT

26 AUGUST 1990



Ray S. [Signature]

TCC DATA MANAGEMENT SUBCOMMITTEE

MINUTES

**Tuesday, October 16, 1990
Panama City Beach, FL**

TCC DATA MANAGEMENT SUBCOMMITTEE
Minutes
Tuesday, October 16, 1990
Panama City, Florida

Chairman Henry "Skip" Lazauski called the meeting to order at 9:00 a.m.
The following were in attendance:

Members

Ron Essig, NMFS, Silver Spring, MD
Henry Lazauski, ADCNR-MRD, Gulf Shores, AL
Joe O'Hop, FDNR-MRI, St. Petersburg, FL
Maury Obsorn, TPWD, Austin, TX
Joseph Shepard, LDWF, Baton Rouge, LA
Ernie Snell, NMFS, Miami, FL
Wayne Swingle, GMFMC, Tampa, FL
Tom Van Devender, MDWFP-BMR, Biloxi, MS

Staff

Ronald R. Lukens, Assistant Director
David Donaldson, SEAMAP Coordinator

Others

I.B. Byrd, NMFS, St. Petersburg, FL
Jeff Isley, NMFS, Panama City, FL
Ed Joyce, FDNR, Tallahassee, FL
E.L. Nakamura, NMFS, Panama City, FL
David Pritchard, NMFS, St. Petersburg, FL
Karen Reay, Multi-State Project, Blacksburg, VA
Ken Savastano, NMFS, Bay St. Louis, MS
Ted Shepard, LSA, Louisiana

Adoption of Agenda

The agenda was adopted unanimously with the addition of a representative of the TCC Crab Subcommittee for a short request and a short presentation by Karen Reay of the Multi-State Project.

Approval of Minutes

*Maury Osborn moved to adopt the minutes as amended by S. Lazauski. The motion was seconded and passed without objection.

Review and Approval of Mission Statement

After discussion of the draft language for a mission statement for the subcommittee, the final language which was approved to send forward to the TCC was "To provide for the planning and coordination of fishery-dependent data

collection, processing, analyses, and other data issues and activities among the five Gulf States and the federal government."

Finalization of National Standards for Recreational Data Collection

During the 1989 workshop in Miami at which recreational fishery data collection programs were analyzed, one recommendation which resulted was the need for a set of standards for quality control for recreational data collection programs. Finalization of those standards was discussed and suggestions offered to improve the document. After much discussion, the revised "Marine Recreational Fisheries Statistics Survey Intercept Standards" was adopted.

*The motion to adopt was made by M. Osborn, was seconded, and passed without objection.

Review and Compile State Recreational Fishery Data Collection Methods for "For Hire" Vessels

During the workshops on the "For Hire" recreational fishery in April and June 1990, the subcommittee requested that each state evaluate their "For Hire" recreational fishery and determine the most practical methodology for data collection, using the following three categories: (1) log books, (2) intercept interviews, and (3) other. A discussion ensued regarding each states' recommendations.

*A motion was made by M. Osborn that the subcommittee recommends that all "For Hire" recreational fishery data collection activities rely primarily on on-site interview methodology for biological and catch-per-unit-effort data, supplemented by other methodologies such as log books, mail surveys, etc. as appropriate to the specific segment of the fishery. The motion was seconded and passed without objection. Each member is responsible for determining the best method for estimating pressure in the "For Hire" recreational fishery. Examples include telephone survey, boat slip count, and mail survey. The issue will be discussed at the next workshop which is planned for November 1990.

National Marine Fisheries Service Report

A-10 Procurement. The contract for the upgrade A-10 computer mainframe is scheduled to be awarded before October 19. Delivery and installation are scheduled for early December. We expect that the Miami computer system will not be available for one week. All required processing should be performed on the Seattle machine during this transition. The A-10 machine is completely code compatible with both the B7800/B7900 in Seattle and the B6800 in Miami, therefore, programs will NOT have to be re-compiled. There should be no negative impact on the user community once this new machine is installed. The A-10 is a dual processor machine and will be installed with 15 gigabytes of disk space, significantly upgrading our computer mainframe resource in Miami. Rapid migration from the Seattle system should begin as soon as the A-10 system is accepted as operational.

Shrimp Data Entry. It was pointed out that there is a shrimp data entry problem which was brought to NMFS' attention by S. Lazauski. At first, the field for net size was lost. That problem was corrected; however, now the field containing the number of nets is lost. NMFS is working on the problem and hope to resolve it soon.

FTS 2000. A new telecommunications network will be installed nationwide for the National Marine Fisheries Service in January 1991. This network will provide for easier and faster telecommunications access to the mainframe computer system. More information will be provided as implementation gets closer.

Cooperative Tagging System (CTS). The CTS is being mailed to all users on October 17, 1990. The system has been in alpha-test by Mr. Edwin Scott for over two months and all known "bugs" have been fixed. NMFS is asking for state cooperation to report as soon as possible any problems encountered. The final version should be very user-friendly and versatile. Constructive comments are solicited.

Trip Interview Program (TIP). The micro computer data entry (including a limited reporting system on the micro also) is in final alpha-test and will be mailed out before the end of October.

Quota Monitoring. NMFS reported that quota monitoring is increasing. During 1990, the NMFS Southeast Fisheries Center began monitoring the wreckfish

fishery in the south Atlantic. That fishery was closed a few months later. Two members of the subcommittee, Joe Shepard and Joe O'Hop were thanked for their assistance in the quota monitoring effort in the gulf. The gulf shallow water grouper fishery will probably close soon. The western gulf group of king mackerel will close soon. The Florida Marine Fisheries Commission is proposing to conduct more quota monitoring, taking some pressure off the NMFS personnel. Spanish mackerel quota monitoring will continue and will include data on the east coast as far up as New York.

November Workshop Preliminary Agenda

At the last workshop on the "For Hire" recreational fishery, it was recognized that one final workshop would be required in order to complete all facets of the issue. In that regard, the dates of November 27 and 28, 1990, were set for the workshop to be held at the NMFS Laboratory in Panama City, Florida. Preliminary agenda items for discussion and completion are (1) pressure estimate methodologies, (2) data elements, (3) identification of the sampling universe, and (4) social and economic aspects of the fishery. Final recommendations on these issues should constitute completion of the subcommittee's initial attempt to develop guidelines for and methodologies for a complete data collection tool for the "For Hire" recreational fishery.

Future Workshop Topics

The 1989 recreational fisheries data collection workshop in Miami, Florida, and the resultant white paper identified several issues which would require workshops to arrive at adequate solutions. The white paper is serving as an agenda for addressing those issues that were identified. Provisions have been made for two workshops during the 1991 fiscal year under the GSMFC Wallop-Breaux Administrative Program. A discussion ensued regarding which topics would be addressed during those workshops. By consensus it was determined that the first workshop would address data needs and identification of specific data elements necessary for management. Individuals who conduct stock assessments will be asked to participate in the workshop. The second workshop topic will address the problem of variance and consider the use of cluster analyses as a way to

reduce variance in estimates of harvest and effort. Later workshop topics will be considered near the end of 1991.

Review of NMFS/MRFSS Progress on Achieving the Goals of the Recreational Data White Paper

The 1989 whitepaper on recreational fishery data collection identified issues which require attention from both the states and the National Marine Fisheries Service (NMFS). R. Essig of the NMFS Silver Spring, Maryland Headquarters Office provided an overview of items regarding the Marine Recreational Fisheries Statistics Survey (MRFSS) and progress toward resolving identified problems. The following is a summary of those items:

Intercept Survey

- Interviewer Training and Supervision
 - Regional representatives (four with responsibilities in the gulf)
 - Three wave meetings each year to review progress
 - Follow-up meetings of regional representatives with interviewers
 - Interviewers trained by regional representatives
 - Field training new interviewers before left to work on own
 - Existing interviewers observed in field once each six months
 - Required ability to identify top 20 species
 - Required ability to use taxonomic key
 - Follow-up fish identification training for difficult species
- Field Procedures
 - Every site visited once a year whether drawn or not
 - Regional representatives maintain site register
 - Collection of monthly site pressures
 - NMFS Procedures Manual
 - Counts of ineligible fishermen (e.g., shellfishermen)
 - Estimates of total activity at site
 - Changed from 75:25 weekend:weekday to 60:40
 - Weighing and measuring up to 15 fish per species
 - No incomplete trips allowed
- Editing Procedures
 - Machine edits of all fields possible including:
 - species geographic range checks
 - minimum/maximum acceptable lengths and weights
 - acceptable length/weight relationship
 - Regional representatives review of monthly data dumps

Telephone Survey

- Hour of day fishing trip completed
- Public versus private access point
- Increased sample size in waves 4-6
- Collection of catch data for striped bass

Combined Survey Results

- Additional state level tables:
 - Numbers by mode and area
 - Weights
- Future publications enhancements:
 - Five year historical data
 - Major species trends displayed graphically

The subcommittee agreed that progress made to date and the cooperative attitude of NMFS personnel were commendable.

State Reports

Texas. M. Osborn reported that Texas has their data in ASCII format now, and that they were planning to test some data entry devices in the field very soon.

Mississippi. T. Van Devender reported that they had started batching material in the shrimp data entry program to avoid the slowdown encountered after about 300 entries. Also, they have been working with the SEFC to work on a problem with using the shrimp program on a portable computer.

Louisiana. J. Shepard reported that Louisiana is collecting commercial landings data and are about four or five months behind, primarily due to a shortage in personnel. The LDWF intends to take over the TIP Program rather than contracting it out to LSU. This is also dependent upon more personnel.

Florida. J. O'Hop reported that they have added personnel and now have five on staff, one of which is a programmer. The staff is involved in quota monitoring which will probably increase. Species include Spanish and king mackerel and spotted seatrout. Trip tickets have been edited through March. There was a discussion as to how long it takes for data to be available once it is received from the fish house. O'Hop indicated that it varied and that

reporting on species under quota was more frequent (i.e., once a week rather than once a month).

Alabama. S. Lazauski reported that Alabama continues to collect some recreational fisheries data on a quarterly basis. Alabama is collecting a lot of crab TIP data and data on the reef fish fishery. Other data continues to be collected as usual. J. Shepard indicated that the Louisiana legislature passed a bill to implement a Trip Ticket Program in Louisiana to begin in 1992.

New State-Federal Cooperative Statistics Documentation

S. Lazauski indicated that everyone involved in the State-Federal Cooperative Statistics Program is expecting the new five year period of documentation of the program. The important point is that all documents must be submitted on time and with no errors so that they can proceed through the system for approval. Pre-award costs will not be approved so that spending on the program is contingent upon having an approved, signed contract. Dave Pritchard, NMFS SERO Program Officer, indicated that guidelines were provided to the states in June as to how to document the next year's proposal, including a three or five year plan. The Program Manager, John Poffenberger, at the SEFC will negotiate with the states on the contracts. Pritchard indicated that it would be best to have the documents submitted to NMFS by the first of November so that the regional and headquarters offices will have ample time to review and process them. A discussion ensued regarding the cooperative agreement status of the State-Federal Cooperative Statistics Program. Also discussed were issues pertaining to the proposal review process, FARB, and pre-award costs status.

RecFIN Proposal

R. Lukens presented a proposal for a program called the Recreational Fisheries Information Network (RecFIN). The proposal grew out of two sources. First, a recommendation was made at the 1989 workshop on recreational data collection programs that the states in the Gulf of Mexico region fulfill the responsibilities of the intercept portion of the NMFS Marine Recreational Fisheries Statistics Survey (MRFSS). Second, the Commissioners, in March 1990,

directed the staff to examine the potential for the GSMFC to become involved in data collection. Since much work had already been done regarding the MRFSS, the staff chose it as a starting point.

In developing the proposal, staff worked closely with the Pacific States Marine Fisheries Commission (PSMFC) who conducted the MRFSS on the Pacific coast for nine years. The concept was to provide unity in how the survey would be handled on both the Pacific and gulf coasts.

Following Luken's introductory remarks, the floor was open for comments from the subcommittee. Specific comments were provided by both state and federal members which indicated that the document as presented to the subcommittee was unacceptable. It was made clear that the subcommittee agreed with the concept provided by the proposal but did not approve of the mechanism proposed. Lukens indicated that the proposal was not rigid in its alternatives and encouraged positive suggestions to solve the problems which were identified. The subcommittee elected by consensus to further review the document and discuss alternative language at the November workshop in Panama City, Florida.

Discussion of Confidentiality Issue

Reference was made to a document from Mark Holliday, NMFS Headquarters Office, which is a revised, interim, final rule on confidentiality of data. There is a great deal of concern regarding the fact that the document does not build on earlier work and negotiations which attempted to address the states' concern regarding the restrictive nature of NMFS' confidentiality policy. Lazauski brought the issue up as information so that the subcommittee would be aware of the current situation.

Other Business

Due to the late hour and the fact that the subcommittee had already been apprised of her program at an earlier time, Karen Reay asked that her presentation be deleted.

Vince Guillory, representing the TCC Crab Subcommittee, made a request that someone representing the TCC Data Management Subcommittee cooperate with the TCC Crab Subcommittee to examine all available data bases which might provide

information on blue crabs. The issue is important regarding an update and improvement to the Blue Crab Fishery Management Plan. Chairman Skip Lazauski volunteered to act as the liaison. The action was approved unanimously by the subcommittee.

Election of Officers

*Tom Van Devender moved to retain Skip Lazauski as Chairman and Maury Osborn as Vice-Chairman. The motion was seconded and passed without objection.

There being no further business, the meeting was adjourned at 5:30 p.m.

APPROVED BY:


COMMITTEE CHAIRMAN

TECHNICAL COORDINATING COMMITTEE

MINUTES

Wednesday, October 17, 1990
Panama City Beach, FL

TECHNICAL COORDINATING COMMITTEE MINUTES
Wednesday, October 17, 1990
Panama City, FL

Chairman Ed Joyce called the meeting to order at 1:05 p.m. The following members and others were present:

Members

Tom Van Devender, BMR, Biloxi, MS
Ed Joyce, FDNR, Tallahassee, FL
Ralph Rayburn, (proxy for H. Osborn), TPWD, Austin, TX
William "Corky" Perret, LDWF, Baton Rouge, LA
Walter Tatum, ADCNR, Gulf Shores, AL
Vernon Minton, ADCNR, Gulf Shores, AL
Barney Barrett, LDWF, Baton Rouge, LA
Philip Steele, (proxy for K. Steidinger) FDNR, St. Petersburg, FL
Maury Osborn, (proxy for G. Matlock), TPWD, Austin, TX
John Brown, (proxy for J. Pulliam), USFWS, Atlanta, GA
Walter Nelson, (proxy for B. Brown), NMFS, Pascagoula, MS

Staff

Larry Simpson, Executive Director
David Donaldson, SEAMAP Coordinator
Rick Leard, IJF Coordinator
Ron Lukens, Assistant Director

Others

David Pritchard, NMFS, St. Petersburg, FL
Buck Byrd, NMFS, St. Petersburg, FL
Jaime Geiger, USFWS, Washington, D.C.
Leslie Holland-Bartels, USFWS, Atlanta, GA
Jay Troxel, USFWS, Panama City, FL
Steve Rideout, USFWS, Washington, D.C.
Skip Lazauski, ADCNR, Gulf Shores, AL
Steve Heath, ADCNR, Dauphin Island, AL
Virginia Vail, FDNR, Tallahassee, FL
Ron Schmied, NMFS, St. Petersburg, FL
Ron Essig, NMFS, Silver Spring, MD
Joe O'Hop, FMRI, St. Petersburg, FL
Eugene Nakamura, NMFS, Panama City, FL
Bart Reid, Aquamar, Panama City, FL
Richard Applegate, USFWS, San Marcos, TX
Larry Nicholson, GCRL, Ocean Springs, MS
Harriet Perry, GCRL, Ocean Springs, MS
Herb Kumpf, NMFS, Panama City, FL

Adoption of Agenda

The agenda was approved with the addition of an update of EPA's Gulf Initiative.

Adoption of Minutes

The minutes of the meeting held March 14, 1990 in Orange Beach, AL were approved with minor editorial changes.

Review and Approval of Mission Statement

E. Joyce reviewed the mission statement and an alternative prepared by W. Tatum. It was decided to use the alternative mission statement. This statement was approved with minor editorial changes (attached).

Status Report on Controlled Freshwater Introduction into Louisiana and Mississippi Marshes

L. Simpson reported for D. Etzold on the status of several controlled freshwater diversion projects. He reported that the Caernarvon project construction will be completed by December 1990. Water could be diverted through the structure as early as January 1991. He suggested that the TCC try to schedule a tour of the facility during the next GSMFC fall meeting which will be held in New Orleans.

L. Simpson reviewed the Davis Pond project. He stated that the design memorandum studies began in FY 1988 but the project has been delayed to reduce the construction costs. He communicated that D. Etzold will provide more information in the March 1991 report.

L. Simpson reported that both Louisiana and Mississippi have provided guarantees to furnish their share of the Bonnet Carre Freshwater Diversion project. All of the necessary paperwork has been submitted and should be approved by October 1990. Construction of the project is scheduled to begin in the spring of 1991. E. Joyce stated that the TCC would like to be kept up-to-date on the status of these projects.

Update of EPA's Gulf Initiative

H. Kumpf discussed the goals and objectives of the Gulf of Mexico Program (GOMP). He also provided an overview of some of the roles and functions of the GOMP.

H. Kumpf outlined the two major goals of GOMP and the objectives of each goal. He stated that Goal I has been established and most of the objectives for Goal II were also in place.

He identified the reasons for the establishing the GOMP which were: to define environmental issues; characterize environmental issues; assess appropriateness of information; develop predictive measures and implement corrective actions.

H. Kumpf stated that GOMP functioned via three component parts: the Policy Review Board which consists of 23 members from state and federal agencies; the Technical Steering Committee which operates as the scientific advisory body consisting of 78 members and houses all the subcommittees of GOMP and the Citizen Advisory Committee consisting of 25 members from the private sector.

H. Kumpf reviewed the nine subcommittees found under the Technical Steering Committee. Each subcommittee has a state and federal co-chairmen. He pointed out that there were no renewable resources subcommittees and asked the TCC to provide input for the establishment of a renewable aquatic subcommittee. This subcommittee would consist of personnel from the Commission, the Gulf Council, each state management agencies and pertinent federal agencies.

Review and Discussion of Salt Box Use in the Gulf of Mexico to Report to GSMFC

E. Joyce stated that the information on salt box use in the Gulf is very scarce. Only one publication was found dealing with this subject. E. Joyce mentioned that in a state-wide shrimp management plan, Florida recommended to make salt boxes illegal. W. Tatum stated that Alabama has a prohibition on salt boxes but there is a chance that this prohibition may be revoked. E. Joyce stated that the legislative language on the prohibition of salt boxes and the one publication on the subject should be distributed to the TCC for their information.

Discussion of Problems with Wallop/Breaux Funding to States

J. Brown discussed the problem of diversion of Wallop/Breaux funds. He described diversion as stated in the Federal Aid and Sport Fish Restoration Act as no money apportioned to any state shall be expended until its legislature or other state agency shall have assented to the provisions of this Act and shall include a prohibition against the diversion of license fees paid by fishermen for any purpose other than the administration of said state fish and game department. He reported that a state has one year from the time a license fee becomes effective to pass the appropriate assent legislation mentioned. J. Brown stated that the bottom line on diversion is if an activity does not have anything to do with fish and wildlife conservation, it is not permissible.

Discussion of Aquaculture and Minimization of Disease and Parasite Introduction

* E. Joyce stated that Aaron Rosenfield was unable to attend the meeting due to travel restrictions. He outlined the problems concerning aquaculture and introduction of diseases. C. Perret moved to have the Habitat Subcommittee address the problem of disease and parasite introduction from exotic species and provide recommendations to the TCC. The motion was seconded and passed.

Subcommittee Reports

(1) SEAMAP Subcommittee - Walter Tatum, Chairman

W. Tatum noted that the subcommittee passed the mission statement. The final mission statement is attached. He stated the Joint SEAMAP meeting was held in July for the Gulf, South Atlantic and Caribbean components of SEAMAP to discuss funding allocations. He noted that the Fall Plankton survey began September 1 and is continuing to date and the Fall Shrimp/Groundfish survey should begin at the end of October.

W. Tatum discussed the status of the atlases. He stated the 1987 Atlas is currently being reviewed and will soon be printed and the 1988 Atlas hopefully will be completed by the end of the year.

W. Tatum noted that the Adult Finfish Work Group met to discuss the establishment of a sampling framework for adult finfish, specifically reef fish. He outlined the stock assessment procedures which would use a trap/video strategy. The subcommittee approved this recommendation and will implement the survey when funds become available.

* W. Tatum outlined the work group reports. He noted that the Plankton Work Group asked that \$5K of SEAMAP funds be reinstated for invertebrate sorting and identification. He stated that a motion was passed to omit the SEAMAP January meeting for 1991 and another motion passed that stated that the subcommittee would use the money saved from omitting the January meeting to reinstate invertebrate sorting and identification. L. Simpson noted that the cost of the January meeting is \$3,250 and not \$5,000. W. Tatum moved to accept the SEAMAP Subcommittee report. The motion was seconded and passed with Texas voting against.

(2) Crab Subcommittee - Harriet Perry, Chairperson

H. Perry stated there were two purposes of the meeting. The first was to review with Dr. Terry Bert the fishery for Menippe in Florida particularly the biology, ecology and management and the second was to present the data available for Menippe medina in the Northern Gulf of Mexico and discuss the differences and similarities between species and the implications these differences and similarities would have for management of these fisheries.

H. Perry noted that there was a discussion of section 8 of the Blue Crab Management Plan pertaining to the review of statistical data in relation to the status of the fishery. She stated there is evidence that NMFS database severely underestimate fishing effort.

H. Perry mentioned the subcommittee continues to work with Dr. Jim Power. Dr. Power is working on producing an atlas which shows the megalopal distribution for Callinectes spp. based on SEAMAP samples.

* H. Perry stated that the subcommittee passed the mission statement and requested that Dr. Terry Burt be added to the Crab Subcommittee. There was a discussion of the mission statement

and the final mission statement for the Crab Subcommittee is attached. E. Joyce moved to accept the Crab Subcommittee report with the noted additions. The motion was seconded and passed with one vote against.

(3) Data Management Subcommittee - Skip Lazauski, Chairman

S. Lazauski stated that the Data Management Subcommittee has met twice since the last report. He noted that the mission statement was passed with several changes. The final mission statement is attached.

S. Lazauski noted that the subcommittee addressed the finalization of recreational data collection standards. These standards were approved by the subcommittee as the standards to be used.

S. Lazauski reported that the discussion about the MFRSS recreation survey is continuing. He stated a proposal to coordinate the collection of recreational data by the states was addressed. He mentioned that R. Lukens has developed a scenario called the recreational fishery information network (RecFIN) and this proposal was reviewed in depth. He stated that the subcommittee agreed to the program in principle but it needed work. R. Lukens reported about the RecFIN program and provided some background information and overview of how the program would be operated.

S. Lazauski reported that he had been reelected chairman of the Data Management Subcommittee and Maury Osborn was elected vice chairperson.

* E. Joyce moved to accept the report. The motion was seconded and passed.

(4) Anadromous Fish Subcommittee - Vernon Minton, Chairman

* V. Minton asked the TCC to accept the mission statement, as modified by the subcommittee. V. Minton moved to accept the mission statement as amended. The motion was seconded and passed. The final mission statement is attached.

* V. Minton reported about a proposal to develop a radio sonic tag for tracking anadromous fish. V. Minton moved to endorse the concept of developing the radio sonic tagging technology. The motion was seconded and passed.

* V. Minton reviewed a nutrition study for development of needs for domesticated striped bass. He stated that Dr. Tom Lovell presented a proposal addressing this topic and moved to endorse the proposal by forming a letter to the National Marine Fisheries Service. The motion was seconded and passed.

* V. Minton stated the subcommittee has developed a white paper which outlines the status of striped bass programs in the U.S. and an accompanying position statement. V. Minton moved to forward the document, as amended, to the Commission. The motion was seconded and passed.

* V. Minton discussed the cooperative agreement between GSMFC and the U.S. Fish and Wildlife Service. He stated the Executive Committee gave their approval to proceed with the development of proposed language. V. Minton moved to forward the cooperative agreement to the Commission. The motion was seconded and passed.

V. Minton stated that he was reelected chairman of the Anadromous Fish Subcommittee and A. Huff was elected Vice Chairman.

(5) Habitat Subcommittee - Larry Lewis, Chairman

* E. Joyce stated that the Habitat Subcommittee has published an aquaculture state report and a March management review. E. Joyce moved to amend the Habitat Subcommittee's mission statement to reflect the changes made to the Crab Subcommittee's mission statement. The final mission statement for the Habitat Subcommittee is attached. The motion was seconded and passed.

(6) Recreational Fisheries Subcommittee - Virginia Vail, Chairperson

* V. Vail stated that the subcommittee's report on the implementation of state recreational policy is in the draft stage and should be ready for TCC review in the future. She noted that the artificial reef work group held a meeting in July to discuss

state and federal reef activities. She reported that the subcommittee recommended that a USFWS member be added to the work group. E. Joyce recommended that the recreational fisheries subcommittee of the TCC be continued so it can address problems that might arise in the recreational fisheries arena. E. Joyce moved to accept the report. The motion was seconded and passed.

Discussion of Oyster Plan

* R. Leard and J. Cirino began to outline the status of the Oyster Management Plan. After some discussion, W. Tatum moved to defer action until the State-Federal Fisheries Management Committee has reviewed the Plan. The motion was seconded and passed.

Election of Chairman

E. Joyce was reelected as chairman of the Technical Coordinating Committee and C. Perret was elected Vice Chairman.

There being no further business, the meeting was adjourned at 5:10 p.m.

MISSION STATEMENTS

GSMFC Technical Coordinating Committee

The Technical Coordinating Committee, as provided for by the Rules and Regulations of the Gulf States Marine Fisheries Commission, is responsible for providing coordination of scientific data and technical advice to GSMFC regarding fishery stocks and their user groups. Subcommittees of the TCC, accordingly, collect information on stock status, habitat, user conflict, public health concerns, fish health and when required, develop fishery management plans for submission to the TCC and finally to the commission for approval.

Data Management Subcommittee

To provide for the planning and coordination of fishery-dependent data collection, processing and analysis and other data issues and activities among the five Gulf states and federal government.

Anadromous Fish Subcommittee

The Gulf States Marine Fisheries Commission Technical Coordinating Committee, Anadromous Fish Subcommittee will provide coordination for the TCC and GSMFC for the development, conservation and management of anadromous fisheries in the U.S. Gulf of Mexico, its estuaries and tributaries.

TCC Crab Subcommittee

To provide for the coordination of management, research, issues and activities among the five Gulf states and recommend development, conservation, management and research to the GSMFC for the crab fishery in the U.S. Gulf of Mexico.

TCC Habitat Subcommittee

To provide for the coordination of the issues, dissemination of information and preparation of recommendations relating to the management, protection and wise use of the wetlands, estuaries and coastal waters in the U.S. Gulf of Mexico.

TCC SEAMAP Subcommittee

To provide for the cooperative state/federal collection, management and dissemination of fishery-independent data and information in the U.S. Gulf of Mexico region.

MISSION STATEMENTS

GSMFC Technical Coordinating Committee

The Technical Coordinating Committee, as provided for by the Rules and Regulations of the Gulf States Marine Fisheries Commission, is responsible for providing coordination of scientific data and technical advice to GSMFC regarding fishery stocks and their user groups. Subcommittees of the TCC, accordingly, collect information on stock status, habitat, user conflict, public health concerns, fish health and when required, develop fishery management plans for submission to the TCC and finally to the commission for approval.

Data Management Subcommittee

To provide for the planning and coordination of fishery-dependent data collection, processing and analysis and other data issues and activities among the five Gulf states and federal government.

Anadromous Fish Subcommittee

The Gulf States Marine Fisheries Commission Technical Coordinating Committee, Anadromous Fish Subcommittee will provide coordination for the TCC and GSMFC for the development, conservation and management of anadromous fisheries in the U.S. Gulf of Mexico, its estuaries and tributaries.

TCC Crab Subcommittee

To provide for the coordination of management, research, issues and activities among the five Gulf states and recommend development, conservation, management and research to the GSMFC for the crab fishery in the U.S. Gulf of Mexico.

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To provide for the coordination of the issues, dissemination of information and preparation of recommendations relating to the management, protection and wise use of the wetlands, estuaries and coastal waters in the U.S. Gulf of Mexico.

TCC SEAMAP Subcommittee

To provide for the cooperative state/federal collection, management and dissemination of fishery-independent data and information in the U.S. Gulf of Mexico region.

APPROVED BY:

Don Berg
COMMITTEE CHAIRMAN

MENHADEN ADVISORY COMMITTEE

MINUTES

Tuesday, October 16, 1990
Panama City Beach, FL

MENHADEN ADVISORY COMMITTEE (MAC)
MINUTES
Tuesday, October 16, 1990
Panama City, Florida

The meeting was called to order at 1:10 p.m. by Chairman Vince Guillory, who called the roll and noted that a quorum was present. The following were in attendance:

Members Present

John C. Barnes, AMPRO Fisheries, Burgess, VA
George Brumfield, Zapata Haynie Corp., Moss Point, MS
Lee Green, TPWD, Rockport, TX
Vince Guillory, LDWF, Bourg, LA
Wilmer Lapointe, Daybrook Fisheries, Inc., Empire, LA
John V. Merriner, NMFS, Beaufort, NC
Jack Simpson, ABC Bait Co., Morgan City, LA
Jack Styron, Wallace Menhaden Products, Mandeville, LA (B. Wallace proxy)

Members Absent

J.Y. Christmas, Ocean Springs, MS
Charles Futch, FDNR, Tallahassee, FL
Hugh A. Swingle, ADCNR/MRD, Dauphin Island, AL

Staff

Larry B. Simpson, Executive Director
Richard L. Leard, IJF Program Coordinator

Others

Don Barrios, Gulf Protein, Morgan City, LA
Dalton Berry, Zapata Haynie Corp., Hammond, LA
I.B. "Buck" Byrd, NMFS/SERO, St. Petersburg, FL
Bette R. Haynie, ABC Bait Co., Morgan City, LA
Gregory Holt, Daybrook Fisheries, Inc., Empire, LA
Ed Joyce, FDNR, Tallahassee, FL
Eldon Levi, NMFS, Pensacola, FL
W.C. Lunsford, Zapata Haynie Corp. (retired), Timonium, MD
Behzad Mahmoudi, FDNR, St. Petersburg, FL
Bill Pendleton, Gulf Protein, Morgan City, LA
Mae Dean Simpson, ABC Bait Co., Morgan City, LA
Ed Swindell, Zapata Haynie Corp., Hammond, LA

Adoption of Agenda

The agenda was adopted as presented.

Adoption of Minutes

L. Green observed that on page 4, "Fishery Independent Sampling and Assessment Program" should not be capitalized.

*G. Brumfield moved, and Jack Styron seconded that the minutes be approved with the correction. Motion carried unanimously.

Review of Mission Statement

The mission statement was discussed and corrected to read as follows:
"To provide for the forum of discussion of resource and fisheries issues and management and research needs; to recommend needed research to the GSMFC; and to provide for the review of activities among the five gulf states for the menhaden fishery in the U.S. Gulf of Mexico."

*L. Green moved to approve the mission statement. J. Merriner seconded, and the motion carried unanimously.

Committee Membership and Status

L. Simpson reviewed the present membership of the Menhaden Advisory Committee. He explained the position of the committee in the Commission hierarchy and discussed the Commission's organizational structure.

L. Simpson also introduced Mr. Dave Donaldson, the GSMFC SEAMAP Coordinator to the committee.

Daybrook Fisheries, Inc.

Wilmer Lapointe introduced Gregory Holt as president of Daybrook Fisheries, Inc., Empire, Louisiana. Lapointe noted that Petrou Fisheries, Inc. changed to Daybrook Fisheries, Inc.

Review of 1990 Menhaden Season

J. Merriner reviewed the status of the 1990 fishing season through September 30, 1990. He noted that landings were 493,200 metric tons (MT) and were approximately 9% less than for the equivalent time in 1989. He observed that the eastern and central gulf had slight increases over 1989, but the western gulf was approximately 25% below the 1989 figure. The decline was attributed to poor fishing weather and lack of fish availability. He further stated that the revised landings prediction for the 1990 season is 530,000 MT, which is about 19% below the original projection of 651,000 MT.

Education Video

The committee viewed an education video prepared by the industry to acquaint people with menhaden fishing, processing, and other activities. L. Simpson noted that copies had been distributed to all five gulf states and were also available at the GSMFC office.

Fish Oil Petition

E. Swindell reported that the FDA had approved the use of hydrogenated and partially dehydrogenated fish oil. He noted that the industry has asked for changes to the approval which would allow use of fish oil in margarine. He observed that refined oil is still not approved, and the approval process is quite long and arduous.

Juvenile Menhaden Observations

V. Guillory reported preliminary results of juvenile menhaden sampling off Louisiana in 1990. He noted that 1990 was warmer and wetter than the long-term average of the study period and that juvenile observations were also below average. He explained that data indicate that menhaden recruitment is best when the winter sampling period is cold and dry.

Menhaden Bait Fishery-Florida

B. Mahmoudi gave a presentation on the menhaden bait fishery in Florida. He noted that the panhandle area (Cedar Key to Alabama) and the Tampa Bay area were the primary production areas. He described production as having increased in both areas during the mid 1980s and thereafter declining in Tampa Bay and stabilizing in the panhandle. He also stated that the panhandle season was basically year round with a peak in May-June, while the season in Tampa Bay peaked in June-July and basically ended in September when the fish moved offshore.

Mahmoudi noted that in Tampa Bay historical records indicate that the fishery was established based on yellow fin menhaden (Brevoortia smithii); however, data from the past 2-2½ years of the research program indicated that Brevoortia patronus makes up 90%-95% of the catch.

In discussion it was noted that the amount of menhaden caught off Florida and processed in other states was unknown. Also, B. Mahmoudi indicated that Florida will likely discuss the issue of a gulf-wide menhaden season in the near future.

Menhaden Bait Fishery - Louisiana

V. Guillory described the special menhaden bait season in Louisiana. He noted that a quota of 3000 MT was established and that the split season extended from April 1 to the start of the regular season and began again at the end of the regular season and extended to December 1 of each year. He observed that the quota was not met in 1989, the first year of the special season and that ABC Bait Company was the only operator. Two companies, ABC Bait and Mr. Terry Lablanch, are expected to operate in 1990.

Menhaden Repository

V. Guillory noted the repository handout distributed in the packets. He also distributed copies of "Partially Annotated Bibliography of Purse Seines and Their Effects on Targeted Fishery Stocks" by Paul Hammerschmidt, Texas Parks and Wildlife Department. J. Merriner distributed copies of a "Menhaden Bycatch Bibliography."

L. Green passed out "Gulf Menhaden in Texas, A Graphical Summary of Data." He noted that these data were extracted from the data reports discussed at the last meeting and that the document summarizes Texas' independent survey data for menhaden and the NMFS catch data.

Election of Chairman

G. Brumfield nominated W. Lapointe, and he was elected unanimously.

Other Business

E. Swindell advised the committee regarding legislation to inspect and rebury oil and gas pipelines discussed at the March 1990 meeting. He noted that similar legislation to that requested by industry, the committee, and the GSMFC

had passed the House and was being considered in the Senate. He thanked the committee for its help and attention.

E. Swindell noted concern by many groups of overfishing in the menhaden industry and asked if there was any evidence of it occurring. J. Merriner stated that based on past year data of size and age composition, neither growth overfishing nor recruitment overfishing was occurring.

E. Swindell introduced a letter from the National Transportation and Safety Board regarding their investigation of the pipeline accident of the F/V Northumberland recommending water survival training for fishing vessel crews. He requested that letter to be attached and made a part of the meeting minutes (see attachment 1).

There being no further business, J. Styron moved, G. Brumfield seconded, and the meeting was adjourned at 4:15 p.m.



Refer to File:

Vessel

Safety

National Transportation Safety Board

Washington, D.C. 20594

Safety Recommendation

Date: October 1, 1990

In reply refer to: M-90-66

Mr. Roy Martin
Executive Director
National Fish Meal and Oil Association
1525 Wilson Boulevard
Arlington, Virginia 22209

Mr. Thor Lassen
Executive Director
National Council of Fishing Vessel
Safety and Insurance
1525 Wilson Boulevard
Arlington, Virginia 22209

Mr. Charles Lyles
Executive Director
Louisiana Shrimp Association
4900 East Belle Fontaine Beach
Ocean Springs, Mississippi 39564

On October 3, 1989, the United States fishing vessel NORTHUMBERLAND struck and ruptured a 16-inch-diameter natural gas transmission pipeline about 1/2 nautical mile offshore in the Gulf of Mexico, and about 5 1/3 nautical miles west of the jetties at the entrance to Sabine Pass, Texas. Natural gas under a pressure of 835 psig was released. An undetermined source on board the vessel ignited the gas, and within seconds, the entire vessel was engulfed in flames. The fire on the vessel burned itself out on October 4. Leaking gas from the pipeline also continued to burn until October 4. Of the 14 crewmembers, 11 died as a result of the accident.¹

The Safety Board's investigation indicated that most of the crew was in or near the afterdeck house when the explosion occurred. The only fisherman to survive stated that he and two other fishermen were washing at the faucet located on the port side of the forward deckhouse. The master and the pilot, who both survived the accident, were in the pilothouse.

After the explosion, the master went down the ladder to the foredeck, where he observed the mate and one or two other crewmembers jumping overboard. The master then climbed over the port side of the bow and entered the water. He had no flotation device with him because he kept his

¹ Additional information is given in the accident report. (National Transportation Safety Board, 1990. Fire on board the F/V NORTHUMBERLAND, rupture of a natural gas transmission pipeline in the Gulf of Mexico, Sabine Pass, Texas, October 3, 1989. Pipeline Accident Report 90/02. Washington, DC.)

CC: C+P
MAC

personal life preserver in the chart room aft of the pilothouse and did not have enough time to retrieve it. The master later told investigators that he did not notice if any of the crewmembers who entered the water from the foredeck were wearing flotation devices.

The pilot attempted to leave the pilothouse through the starboard doorway, but was driven back by flames. He ran across the pilothouse to the port doorway and jumped into the water from the bridge. The fisherman who survived and another fisherman also jumped overboard on the port side of the vessel. The surviving fisherman was wearing rubberized bib overalls, rubber boots, and a water skiing flotation belt worn around the waist. Once in the water, he kicked off his boots, took off the overalls, and pulled the flotation belt up under his arms. He later stated these actions aided him somewhat in staying afloat. He also stated that one of the two fishermen who had been with him at the faucet entered the water and was "swimming real good." According to the surviving fisherman, this other fisherman was not wearing a flotation device.

From his position in the water, the master saw the pilot and a crewmember in the water with him. The master later stated that the crewmember appeared to be struggling to keep afloat. The master unsuccessfully attempted to assist the crewmember; however, the crewmember was displaying signs of panic and kept dragging the two of them underwater. The pilot later stated that he saw "several" crewmembers struggling in the water, including the cook and the second engineer. The fisherman who survived saw the master, pilot, mate, cook, and three other fishermen in the water after the explosion. He also stated that all were alive when he first sighted them. According to the surviving fisherman, the mate was burned but was wearing a life preserver. The surviving fisherman saw the mate swimming away from the vessel when the mate appeared to "give up" and drown. The surviving fisherman stated that the cook appeared to be afraid, but did not appear to be burned or otherwise injured. While the surviving fisherman was attempting to reach him, the cook also drowned.

When the first helicopter arrived about 15 minutes after the explosion, the helicopter pilot sighted four survivors and decided to assist the NORTHUMBERLAND's pilot, the survivor who appeared to be in the most distress. The helicopter hovered about 10 feet above the water so that an inflatable liferaft could be dropped to the vessel's pilot. The raft landed about 10 to 20 yards from the pilot who was unable to swim to it. One of the passengers on board the helicopter jumped into the water and helped the pilot into the raft.

By this time a second helicopter arrived on scene; however, only two survivors remained in the water. Because the first helicopter had only one liferaft left, the second helicopter threw a liferaft to each of the two survivors, the master of the NORTHUMBERLAND and a fisherman. They were able to enter the liferafts without assistance. No additional survivors were found.

Search efforts continued with additional sorties by U.S. Coast Guard helicopters and search and rescue vessels. A search by foot of the shoreline was also conducted by Coast Guard personnel and local volunteers. All the remaining victims were found over the next 4 days, including two who were found on the NORTHUMBERLAND.

At the time of the accident, the ambient temperature was about 79 °F, and seas were 1 to 3 feet. Climatological maps indicate that the water temperatures in the accident area average 78-80 °F during October.

Although the NORTHUMBERLAND was appropriately outfitted for a vessel of its type and service with lifesaving and emergency equipment, nine crewmembers (without serious injuries from burns) drowned. Despite the rapid ignition and spread of the fireball, the nine crewmembers apparently either had a chance to jump overboard or were blown overboard.

Individual life preservers had been issued to everyone on board. Because the crewmembers typically stowed their life preservers near their bunks and personal possessions, the life preservers were not immediately accessible from the deck area. Even if life preservers had been accessible, the immediacy of the emergency did not offer the crewmembers an opportunity to retrieve personal flotation equipment before they were forced to abandon the vessel. The Safety Board concludes that the inability of crewmembers to retrieve personal flotation equipment and to keep themselves afloat without such equipment contributed to the high loss of life.

The master and surviving fisherman had observed several of the crewmembers trying to swim. A person knowledgeable about water survival techniques, if not incapacitated from being blown overboard, should have been able to survive in the water for the 15 to 30 minutes that it took for rescue personnel to arrive on scene. For those who were not incapacitated, water survival training may have enabled some who drowned to remain afloat until rescued. The Safety Board is concerned that commercial menhaden and shrimp fishermen in the Gulf of Mexico may not be knowledgeable about water survival techniques.

There are several water survival training courses offered nationwide by commercial training schools and by universities operating under the sea grant program administered by the National Marine Fisheries Service of the U.S. Department of Commerce. Historically, commercial fishermen in the Gulf of Mexico have not taken advantage of the water survival training courses. Apparently, these fishermen have not recognized the need for this training. The Safety Board believes that water survival training is important for commercial fishermen and that associations for the gulf coast commercial fishing industries should encourage their members to provide water survival training to the commercial fishermen in their employ.

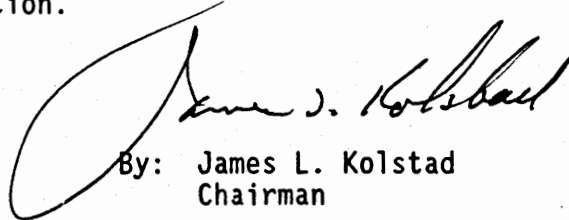
Therefore, as a result of this accident, the National Transportation Safety Board recommends that the National Fish Meal and Oil Association, Louisiana Shrimp Association, and National Council of Fishing Vessel Safety and Insurance:

Notify member companies of the circumstances of the accident involving the rupture of the natural gas pipeline in the Gulf of Mexico and the fire on board the F/V NORTHUMBERLAND on October 3, 1989, and encourage member companies to provide water survival training to all commercial fishermen in their employ. (Class II, Priority Action) (M-90-66)

Also as a result of its investigation, the Safety Board issued recommendations to the Zapata Haynie Corporation, Natural Gas Pipeline Company of America, U.S. Department of Transportation, Research and Special Programs Administration, U.S. Coast Guard, U.S. Department of the Interior, Minerals Management Service, U.S. Army Corps of Engineers, National Oceanic and Atmospheric Administration, Interstate Natural Gas Association of America, American Gas Association, American Public Gas Association, and American Petroleum Institute.

The National Transportation Safety Board is an independent Federal agency with the statutory responsibility "...to promote transportation safety by conducting independent accident investigations and by formulating safety improvement recommendations" (Public Law 930633). The Safety Board is vitally interested in any actions taken as a result of its safety recommendations and would appreciate a response from you regarding action taken or contemplated with respect to the recommendation in this letter. Please refer to Safety Recommendation M-90-66 in your reply.

KOLSTAD, Chairman, COUGHLIN, Vice Chairman, LAUBER, BURNETT, and HART, Members, concurred in this recommendation.



By: James L. Kolstad
Chairman

Jerald K. Waller

LAW ENFORCEMENT COMMITTEE

MINUTES

**Wednesday, October 17, 1990
Panama City Beach, FL**

LAW ENFORCEMENT COMMITTEE
Wednesday, October 17, 1990
Panama City Beach, Florida
MINUTES

Chairman Jerry Waller called the meeting to order at 9:02 am. The following were in attendance.

Members

Jerry Waller, ADCNR/MRD, Dauphin Island, AL
Phillip M. Bohr, NMFS (proxy - S. Montero), St. Petersburg, FL
Jim Robertson, TPWD, Austin, TX
Don Ellingsen, FMP, Tallahassee, FL
Pat Anglada, MDWFP/BMR, Biloxi, MS
Tommy Candies, LDWF, Baton Rouge, LA

Staff

Lucia Hourihan, Publication Specialist
Rick Leard, IJF Program Coordinator

Others

Lewis Shelfer, FMP, Tallahassee, FL
Carlos Vaca, TPWD, Austin, TX
Joe Gill, MDWFP/BMR, Biloxi, MS
John Ray Nelson, GSMFC Commissioner, Bon Secour, AL

Adoption of Agenda

Item 9 (Interstate trafficking of stolen boats/motors) on the agenda was deleted because Investigators Bakker and Laird of Mississippi were unable to attend the meeting, and a report on the Texas Coastal Watch Program by J. Robertson was added. The agenda was adopted as amended.

Adoption of Minutes

The minutes of the meetings held March 13, 1990 in Orange Beach, Alabama and September 6-7, 1990 in Biloxi, Mississippi were adopted as written.

Review and Approval of Mission Statement

The LEC discussed the mission statement and tabled approval until the next meeting.

Black Drum Technical Task Force Report

J. Robertson reported that the task force had met in New Orleans in September and would probably meet again in November/December at which time they should have a completed draft. He stated that uniform size limits had been suggested for inclusion in the recommendations and that members had seemed receptive to the idea.

Oyster Technical Task Force Report

T. Candies reported that uniform size limits had been discussed during development of the Oyster FMP.

The LEC discussed size limits and the consensus was to recommend that if there is no biological reason for size limits, there should be none, and if there is a reason to set a size limit, then there should be no tolerance. If industry stands firm on recommending size limits, then there should be no tolerance.

The LEC reviewed and commented on sections 15.11 and 15.12 of the Oyster FMP and recommended that the suggested changes be also incorporated in the Black Drum FMP.

Review Model Language Statute - Interstate Transportation of Aquatic Products

The LEC heard comments on the draft model language statute from industry, collected and submitted by J.R. Nelson. Changes were made accordingly (attachment 1). The LEC will request GSMFC to seek the advice of NOAA General Counsel in St. Petersburg, Florida regarding legality of the draft language.

Texas Civil Restitution Program

Captain Carlos Vaca presented an interesting overview of the Texas Civil Restitution Program (attachment 2). Vaca stated that in five years of the program they have assessed approximately \$2.2 million and have collected \$713,000.

Texas Coastal Watch Program

J. Robertson reported on the educational program between enforcement personnel and members of GCCA. The program, basically

publicized by GCCA, has offered 14 courses over the last two years. Through these two-day courses, 310 people have been trained to be certified coast watchers and help enforcement spot illegal activity.

Status of Amendment to Comprehensive Crime Control Act of 1984 - Magnuson Act

P. Bohr and D. Ellingsen provided a status report on the Amendment which they have been working on since 1986. A bill has passed the Senate (S1025) which would provide for sharing of fines, penalties and forfeitures and perhaps reimbursement for expenses incurred on cases made. A similar bill in the House, H2061, is being considered. The LEC will request GSMFC to send a letter in support of H2061 to the Gulf Congressional delegation and ask that they encourage each of the five state agencies to do the same.

NMFS Report

Bohr stated that between 7/1/90 and 9/30/90 enforcement cases in the Southeast (Gulf area) totaled 95. Regarding TEDs he reported that AUSA Leslie Banks of Houston, TX has decided to dismiss any case other than cases of nets with no TEDs installed or cases where nets with TEDs have been sewn shut.

State Law/Regulation Summary

Updated copies of the summary compilation of marine fishing laws and regulations for the Gulf States were distributed. The LEC requested GSMFC staff to explore the possibility of Blackford Company (publisher of TX Hunting and Fishing Guides) publishing the booklet in quantity, with advertising paying for the cost of publication.

Election of Chairman

Jerry Waller was re-elected chairman by acclamation.

Other Business

Candies brought up discussion regarding state evaluations from FDA. It was decided that the topic would be discussed further at the April

meeting. Members are to bring their final evaluations from FDA, their copies of the manual and patrol plans to the next meeting. Members want uniform treatment per the manual.

The LEC requested Joe Gill, regional representative on the executive board of the ISSC, to address unresolved issues regarding enforcement of shellfish laws which the LEC is unhappy with.

The LEC heard a song (via cassette player) by a lobster violator. The LEC also viewed videos provided by the FMP regarding a boat they are budgeting to purchase and routine boardings.

There being no further business, the meeting was adjourned at 4:00.

P. O. Box 726
Ocean Springs, MS 39564
(601) 875-5912
(FAX) 875-6604



Gulf States Marine Fisheries Commission

Larry B. Simpson
Executive Director

M E M O R A N D U M

September 20, 1990

TO: GSMFC Commissioners

FROM: GSMFC Law Enforcement Committee

SUBJECT: Interstate Transport of Aquatic Products

At the Spring 1990 meeting, the Commission asked the Law Enforcement Committee to draft model language regulations governing the interstate shipment of aquatic products. After considerable discussion, the committee agreed that primary efforts should be directed toward developing uniform invoice information forms and proposed requirements for their use. The keeping of good records and shipping with invoices aids enforcement of state and federal regulations, but more importantly, it benefits virtually every business and individual involved with the use of such products. Controlling illegal marketing and standardization of shipping requirements helps maintain fair competition among lawful business operations in shipping, trading and marketing. It also helps insure that only reputable dealers are operating, thus increasing consumer confidence in products and enhancing markets. Record keeping requirements promote resource protection through assistance in enforcing state conservation laws.

Based on their need and the potential benefits of these records, the Law Enforcement Committee hereby recommends adoption of the following language to be incorporated into a suitable resolution:

"Transportation of Aquatic Products
Aquatic Product Invoice --

Any person, except a licensed commercial fisherman transporting his catch within the respective state, transporting aquatic products for sale or resale, regardless of origin or destination, shall have in his possession an invoice. Aquatic product means fresh or frozen uncooked aquatic animal life.

Aquatic product transportation invoices shall be originated by shipper and retained on file by both shipper and receiver for a minimum of one year. The shipper shall sequentially number the invoices during the license period. No invoice number may be used twice during any one license period by an individual licensee.

- Member States -

Texas

Louisiana

Mississippi

Alabama

Florida

Invoices shall contain the following information correctly stated and legibly written in English:

1. invoice number
2. date of shipment
3. name and physical address of shipper
4. name and physical address of receiver
5. license number of shipper
6. aquatic product by species and pounds (and/or numbers by species when required by shipping or receiving state).

Packing Requirements --

Each container of aquatic products shall be identified as to its contents. A container contents identifier shall be placed on the outside of each package and shall contain the following information correctly stated and legibly written in English:

1. shipment invoice number (of the shipment of which the container is a part)
2. aquatic product by species and pounds (and/or numbers by species when required by shipping or receiving state).

All aquatic product shipments shall be packed one species per container. Container size may be regulated by shipping or receiving state.

Vehicle Marking --

All motor vehicles, trailers, or semi-trailers transporting aquatic products for commercial purposes shall exhibit the inscription AQUATIC PRODUCTS on the right, left and rear sides of the vehicle. The inscription shall read from left to right and shall be plainly visible at all times while transporting aquatic products. The inscription AQUATIC PRODUCTS shall be attached to or painted on the vehicle, trailer or semi-trailer in block Arabic letters of good proportion in contrasting color to the background and be at least 8 inches in height."

In addition, law enforcement would be enhanced if uniform commercial size limits could be implemented. The vast array of size limits between the states causes many problems. State law enforcement agencies are unable to enforce their own state size limits because interstate shipments from other states place under or over sized fish in markets. Records and invoices help this problem but are far from a cure-all. If there is no biological reason for different size limits, the Law Enforcement Committee would also recommend that uniform size limits be implemented in the Gulf States.

We sincerely hope that our activities have fully addressed the Commission's directive. The previously mentioned resolution will be presented to you at the upcoming meeting in October. If anything further is needed, please call on us.

/lh

§ 12.203

PARKS AND WILDLIFE CODE

SUBCHAPTER D. RECOVERY BY THE STATE
FOR VALUE OF FISH, SHELLFISH, REPTILE,
AMPHIBIAN, BIRD, OR ANIMAL§ 12.301. Liability for Value of Fish, Shellfish,
Reptile, Amphibian, Bird, or Animal

A person who kills, catches, takes, possesses, or injures any fish, shellfish, reptile, amphibian, bird, or animal in violation of this code or a proclamation or regulation adopted under this code is liable to the state for the value of each fish, shellfish, reptile, amphibian, bird, or animal unlawfully killed, caught, taken, possessed, or injured.

Acts 1985, 69th Leg., ch. 267, art. 1, § 34, eff. Sept. 1, 1985.

Article 5, § 3, of the 1985 Act provides:

"Subchapter D, Chapter 12, Parks and Wildlife Code, as added by Section 34 of Article 1 of this Act, and Subchapter F, Chapter 12, Parks and Wildlife Code, as added by Section 36 of Article 1 of this Act, apply to offenses committed on or after the effective date of this Act."

§ 12.302. Value of Fish, Shellfish, Reptile, Amphibian, Bird, or Animal

For purposes of this subchapter and for determining damages under Subsection (b), Section 26.124, Water Code, the commission shall adopt rules to establish guidelines for determining the value of injured or destroyed fish, shellfish, reptiles, amphibians, birds, and animals.

Acts 1985, 69th Leg., ch. 267, art. 1, § 34, eff. Sept. 1, 1985.

§ 12.303. Civil Suit for Recovery of Value

(a) The attorney general or the county attorney of the county in which the violation occurred may bring a civil suit under this subchapter in the name of the state to recover the value of each fish, shellfish, reptile, amphibian, bird, or animal unlawfully killed, caught, taken, possessed, or injured.

(b) A suit under this section shall be brought in the county in which the violation occurred, except that the attorney general may bring suit in Travis County.

Acts 1985, 69th Leg., ch. 267, art. 1, § 34, eff. Sept. 1, 1985. Amended by Acts 1989, 71st Leg., ch. 73, § 1, eff. Sept. 1, 1989.

Section 4 of the 1989 amendatory act provides:

"This Act takes effect September 1, 1989, and applies only to suits filed on or after that date."

§ 12.304. More Than One Defendant

If more than one defendant is named in a suit brought under this subchapter, each defendant against whom judgment is rendered is jointly and severally liable for the recovery provided by this subchapter.

Acts 1985, 69th Leg., ch. 267, art. 1, § 34, eff. Sept. 1, 1985.

§ 12.305. Recovery of Value in Addition to Fine

The recovery amount provided by this subchapter is in addition to any fine, forfeiture, penalty, or costs imposed under another law.

Acts 1985, 69th Leg., ch. 267, art. 1, § 34, eff. Sept. 1, 1985. Amended by Acts 1987, 70th Leg., ch. 193, § 1, eff. Sept. 1, 1987.

§ 12.306. Both Civil Suit and Criminal Prosecution Permissible

The pendency or determination of a suit brought under this subchapter or the pendency or determination of a criminal prosecution for the same killing, catching, taking, possession, or injury does not bar the other action.

Acts 1985, 69th Leg., ch. 267, art. 1, § 34, eff. Sept. 1, 1985.

§ 12.307. Disposition of Recovery

(a) Any damages for injury to fish, shellfish, reptiles, amphibians, birds, or animals recovered in a suit brought by the attorney general shall be deposited to the credit of the game, fish, and water safety fund.

(b) Fifty percent of any damages for injury to fish, shellfish, reptiles, amphibians, birds, or animals recovered in a suit brought by a county attorney shall be deposited in the general fund of the county. The remainder shall be deposited to the credit of the game, fish, and water safety fund.

Acts 1985, 69th Leg., ch. 267, art. 1, § 34, eff. Sept. 1, 1985. Amended by Acts 1989, 71st Leg., ch. 73, § 2, eff. Sept. 1, 1989.

Section 4 of the 1989 amendatory act provides:

"This Act takes effect September 1, 1989, and applies only to suits filed on or after that date."

APPROVED BY:

COMMITTEE CHAIRMAN

STATE-FEDERAL FISHERY MANAGEMENT COMMITTEE (S-FFMC)
MINUTES
Wednesday, October 17, 1990
Panama City, Florida

The meeting was called to order at 8:02 a.m. by Larry B. Simpson, moderator. The following were in attendance:

Members

John Brown, USFWS, Atlanta, GA (proxy for James Pulliam)
Joe Gill, MDWFP, Biloxi, MS (proxy for Jack Herring)
Ed Joyce, FDNR, Tallahassee, FL (proxy for Don Duden)
Andrew Kemmerer, NMFS, St. Petersburg, FL
Corky Perret, LDWF, Baton Rouge, LA (proxy for Jerry Clark)
Ralph Rayburn, TPWD, Austin, TX (proxy for Gary Matlock)
Hugh Swingle, ADCNR, Dauphin Island, AL (proxy for James Martin)

Staff

Larry B. Simpson, Executive Director
Richard L. Leard, IJF Program Coordinator

Others

Richard Applegate, USFWS, San Marcos, TX
I.B. "Buck" Byrd, NMFS, St. Petersburg, FL
John Cirino, MDWFP, Biloxi, MS
Vince Guillory, LDWF, Bourg, LA
Skip Lazauski, ADCNR, Gulf Shores, AL
Vernon Minton, ADCNR, Gulf Shores, AL
Larry Nicholson, GCRL, Ocean Springs, MS
Maury Osborn, TPWD, Austin, TX
David Pritchard, NMFS, St. Petersburg, FL
Karen Kelly Reay, Multi-State Fish & Wildlife Info, Blacksburg, VA
Ted Shepard, LSA, New Orleans, LA
Tom Van Devender, MDWFP, Biloxi, MS

L. Simpson reviewed committee status and observed that a quorum representation was present.

Adoption of Agenda

L. Simpson suggested adding Menhaden Advisory Committee report between items 3 and 4. B. Byrd asked that K. Kelly-Reay be added to present a multi-state data system program.

*C. Perret moved, H. Swingle seconded that the additions be approved, and the motion carried without objection.

Adoption of Minutes

B. Byrd moved that the minutes of the March 14, 1990, meeting be approved as written. C. Perret seconded, and the motion carried without objection.

Menhaden Advisory Committee Report

V. Guillory gave an informational report with no action needed. He noted, however, that W. Lapointe was elected chairman, and Gregory Holt, Daybrook Fisheries, Inc. was added as his alternate.

*B. Byrd moved to accept the report, H. Swingle seconded, and the motion carried without objection.

Multi-State Fish and Wildlife Information System Project in Virginia

K. Kelly-Reay explained the project and her role as its marine coordinator. She explained that the organization was service oriented for the states to help them manage fish and wildlife data via a computerized system. She noted that all aspects of system development and utilization (i.e., setup, workshops, training, etc.) were provided and that Georgia, New Hampshire, and Oregon had adopted the system. Also, further information was available on request.

Mission Statement

C. Perret discussed problems with the next to last sentence. He recommended and moved for substitution of language, "should be recommended for change in the Gulf of Mexico." The motion died without being seconded.

*H. Swingle moved that the mission statement be approved as written, B. Byrd seconded, and the motion carried with C. Perret casting an opposing vote.

Oyster FMP Presentation

J. Cirino gave a brief introduction to the plan describing the history of its development and the participants therein. R. Leard then gave a brief annotated review of Sections 5-10 and 12. Afterwards, J. Cirino discussed public health aspects of the plan (Section 11). Finally, R. Leard concluded the review by discussing Problems, Management Considerations, Management Recommendations, and Research Needs (Sections 13-16, respectively).

The committee discussed the status of the plan, and the timetable of anticipated events for its completion. By consensus, the S-FFMC agreed that the plan should be redrafted with the additions and corrections of the TTF and the TCC and returned to the S-FFMC for approval to submit the FMP for public review. R. Leard also noted that the S-FFMC should provide comments on management sections prior to release, and October 31, 1990 was discussed as a tentative deadline for such comments.

Black Drum FMP

R. Leard gave a brief status report on the Black Drum FMP. He noted that significant progress had been made on the biological section and habitat section and that the MSY concept was being reviewed.

Status of SEAMAP and Cooperative Statistics Program

A. Kemmerer advised the committee of recent actions by the Inspector General's (IG) Office. Specifically, the IG has (for the time being) dropped efforts to make the SEAMAP and Cooperative Statistics grants competitive. He also reported that the Gulf and South Atlantic Fisheries Development Foundation was still undergoing audit questions which are holding up funding from NOAA, NMFS.

Next FMP Fishery Designation

L. Simpson reviewed previous planning efforts and revisions. After discussion, the committee agreed by consensus that action be deferred until the next S-FFMC meeting on the Oyster FMP. In the meantime, staff were asked to redistribute copies of the species list first reviewed by the S-FFMC at its original meeting.

Recreational Committee Representation on TTFs

L. Simpson reviewed previous action by the GSMFC to create a Recreational Fisheries Advisory Committee in addition to the longstanding Recreational Fisheries Committee which is now a subcommittee of the TCC. He requested action

by the S-FFMC to designate which of the full committees should be represented on TTFs and provide recreational input to plan development.

*After discussion, R. Rayburn moved to designate the Recreational Fisheries Advisory Committee of user group representatives as the official delegate committee to TTFs. C. Perret seconded, and the motion carried with H. Swingle casting an opposing vote.

Other Business

S. Lazauski observed that the Data Management Subcommittee should be consulted for input early in the FMP planning process. It was noted that this could be accomplished through the TTF and the IJF Coordinator.

L. Simpson advised the committee of the recent death of Irwin Alperin, Executive Director of the Atlantic States Marine Fisheries Commission.

There being no further business, the meeting adjourned at 11:45 a.m.

APPROVED BY:

Don E. Duden
COMMITTEE CHAIRMAN

EXECUTIVE COMMITTEE MEETING

MINUTES

Thursday, October 18, 1990
Panama City Beach, Florida

EXECUTIVE COMMITTEE MEETING
MINUTES
Thursday, October 18, 1990
Panama City, Florida

The meeting was called to order at 8:06 am by William S. Perret.
The following persons were present:

Members

| | |
|-------------------|----|
| Tommy Gollott | MS |
| Don Duden | FL |
| Charles Belaire | TX |
| William S. Perret | LA |
| John Ray Nelson | AL |

Others

| | |
|----------------------|----|
| Ralph Rayburn | TX |
| Leroy Kiffe | LA |
| Hans G. Tanzler, III | FL |

Staff

Larry B. Simpson, Executive Director
Ron Lukens, Assistant Director
Ginny Herring, Executive Assistant

The agenda was adopted with the addition of a conference call with
Aubrey Boutwell, CPA.

GSMFC FY 91 Budget

L. Simpson presented the proposed FY 91 Commission budget. He explained minor changes (increase in office rent/purchase of equipment). Direct cost versus indirect cost in regards to the Commission's various federal grants was discussed in detail. L. Simpson stated that the Commission finances were in good order and that all dues were current. He was pleased that budget restraints during FY 90 had resulted in restoring the Commission's reserves. He projects that the Commission will have approximately \$150,000 in reserves at the beginning of FY 91.

Conference Call/Exit Audit

A speaker telephone made it possible for the Executive Committee to speak with Aubrey Boutwell, the Commission auditor. Mr. Boutwell reported that during his recent audit of the Commission he found no weaknesses in control structure and that the financial status was good. No significant adjustments were necessary.

EXECUTIVE COMMITTEE MEETING
MINUTES
Page -2-

Mr. Boutwell explained changes in future audits based on OMB Circular 133. Future audits will be performed in compliance with the Single Audit Act. Some change will be necessary but Commission staff is preparing for these anticipated changes.

Mr. Boutwell recommended that the Commission continue efforts to computerize their accounting.

Recommendations

The Executive Committee discussed the FY 91 budget and the report from Mr. Boutwell. The following recommendations were made to staff:

- Solicit for new auditor (to comply with procurement procedures in OMB Circular 133)
- Have audit available for review at each spring meeting.
- Compare audit cost with similar organizations.
- Compare direct versus indirect cost for the Commission

Personnel

All Commission staff were excused except for the Executive Director, to permit the committee to discuss personnel matters.

The meeting adjourned at 9:45 am.

COMMISSION BUSINESS MEETING

MINUTES

**Thursday, October 18/Friday, October 19, 1990
Panama City Beach, FL**

COMMISSION BUSINESS MEETING
MINUTES - PART I
Thursday, October 18, 1990
Panama City, Florida

The meeting was called to order at 10:08 am by Chairman Tommy Gollott. He requested the Executive Director to call roll and review GSMFC rules and regulations regarding the appropriate meeting procedures.

L. Simpson established a quorum. The following Commissioners and/or proxies were present:

Members

| | |
|----------------------|----|
| William S. Perret | LA |
| Leroy Kiffe | LA |
| Charles Belaire | TX |
| Ralph Rayburn | TX |
| Tommy Gollott | MS |
| Joe Gill, Jr. | MS |
| Walter Tatum | AL |
| John Ray Nelson | AL |
| Sam Mitchell | FL |
| Hans G. Tanzler, III | FL |
| Don E. Duden | FL |

Other persons attending were:

Staff

Larry B. Simpson, Executive Director
Ron Lukens, Assistant Director
Ginny Herring, Executive Assistant
Dave Donaldson, SEAMAP Coordinator
Rick Leard, IJFP Coordinator
Lucia B. Hourihan, Publication Specialist

Other

Ed Joyce, Chairman TCC, FDNR, Tallahassee, FL
I. B. "Buck" Byrd, NMFS/SERO, St. Petersburg, FL
Leslie Holland-Bartels, USFWS, Atlanta, GA
Jerry Waller, Chairman LEC, ADCNR-MRD, Dauphin Island, AL
Chris Lagarde, Congressman Gene Taylor's office, Pascagoula, MS
John Cirino, MDWFP, Biloxi, MS

L. Simpson reviewed voting procedure. Voting is by individual Commissioner. If there is a question about the vote, each state delegation shall cast one vote. If only two Commissioners are present from a state, they must agree or their vote is canceled. If only one Commissioner from a state is present, their vote represents that State. Time for a state caucus will be provided.

COMMISSION BUSINESS MEETING
MINUTES - PART I
Page -2-

L. Simpson briefed the Commissioners on procedures for closed meetings and changes to rules and regulations. A closed meeting can be held to discuss personnel, legal issues or other issues of a sensitive nature. Changes to the Commissioners Rules and Regulations may be made at any meeting provided due notice has been given in the call for the meeting.

Adoption of Agenda

The agenda was adopted with the following changes. Addition of discussion regarding the "Charles H. Lyles Award" at the end of the first session.

Adoption of Minutes

The minutes of the March 16, 1990 meeting held in Orange Beach, Alabama were approved as presented.

The minutes of the March 15, 1990 meeting held in Orange Beach, Alabama were not approved. R. Rayburn stated that an incorrect statement appeared in the first paragraph on Page 14. J. Nelson agreed and pointed out that discussion on Page 13 also needed to be amended. Chairman Gollott requested that the minutes be corrected and resubmitted at the next meeting for approval.

Technical Coordinating Committee (TCC) Report

E. Joyce reported that the TCC met on Wednesday, October 17, 1990. The TCC approved a mission statement for the TCC. The TCC will review all mission statements for the various TCC subcommittees and submit to the full Commission for approval. On behalf of the TCC, E. Joyce recommended that the mission statement for the State-Federal Fishery Management Committee (S-FFMC) be changed.

* W. Tatum made the motion. D. Duden seconded. The motion to change the S-FFMC mission statement was passed.

The TCC received a status report on controlled freshwater introduction into Louisiana and Mississippi marshes; an overview and status of the Gulf of Mexico Initiative (EPA); and they discussed

problems with diversion of Wallop/Breaux funds from the states.

* C. Belaire recommended that the EPA be invited to speak with the Commissioners regarding the Gulf Initiative. All present agreed.

Dr. A. Rosenfield made his paper dealing with introduction of disease and parasite available to the TCC members. The TCC did not take action on his report but will request the TCC Habitat Subcommittee review the report and come back to the TCC for recommendations.

The TCC also received subcommittee reports from SEAMAP, Crab, Data Management, Anadromous Fish, Habitat and Recreational Fisheries Management. TCC recommended that Dr. Theresa Bert be added to the membership of the TCC Crab Subcommittee.

On behalf of the TCC Anadromous Fish Subcommittee, E. Joyce introduced Leslie Holland-Bartels, USFWS, Atlanta, Georgis. Ms. Holland-Bartels requested the Commission's endorsement of a proposal to seek funding to pursue a radio sonic tag for anadromous fish. The research will be done by USFWS, Region IV and funds are reverted funds that will be available January 1, 1991. These funds do not compete with state funding.

* J. Gill motioned to endorse Ms. Holland-Bartels proposal. D. Duden seconded. The motion passed. A letter supporting the needed research will be distributed by Commission staff.

E. Joyce presented other recommendations on behalf of the TCC Anadromous Fish Subcommittee. The following actions were taken on those recommendations.

* W. Tatum motioned to endorse Dr. Tom Lovell's proposal on a broodstock nutrition study. J. Gill seconded. The motion passed. A letter will be sent to the Regional Director, Region IV, USFWS in support of this project.

* D. Duden motioned that the Commission adopt the TCC Anadromous Fish Subcommittees Striped Bass Restoration Program in the Gulf of Mexico with the position statement. W. Tatum seconded. The motion passed with minor changes in title.

* W. Tatum made a motion to approve a Cooperative Agreement between USFWS and GSMFC for restoration of anadromous species in the Gulf of

Mexico river basins. D. Duden seconded. The motion passed with editorial changes in the cooperative.

Other TCC business included a discussion of the use of salt boxes in the shrimp industry. Little information currently exists. T. Gollott suggested that industry needs to look into this issue and make recommendations to the Commission.

The TCC will defer action on the Oyster FMP until the S-FFMC has made recommendations.

E. Joyce was re-elected TCC Chairman. C. Perret was named Vice Chairman.

Law Enforcement Committee (LEC) Report

J. Waller reported that the LEC met on Wednesday, October 17, 1990. Major topics of discussion included a status report on the amendment to the Comprehensive Crime Control Act of 1984 and subsequent legislation (H.2061); enforcement of TED regulations; model language statute for interstate transportation of aquatic products; status of ISSC actions; and State Law/Regulation Summary.

On behalf of the LEC, J. Waller requested the Commission write a letter to the Gulf Congressional delegation supporting H.2061. This bill would provide for agencies involved in enforcement actions to share proceeds from fines, penalties and forfeitures. He further requested that each of the Gulf States write their Congressional delegation supporting this legislation.

The LEC also requested that the Commission seek legal counsel through the NOAA General Counsel's office in St. Petersburg, Florida regarding the draft model language statute developed with industry input regarding interstate transportation of aquatic products.

The LEC report was accepted as presented.

Committee and Subcommittee Mission Statements

Mission statements were developed by the various committees and subcommittees of the the Commission prior to this meeting. The mission statement for the TCC was approved with the TCC report early in the

COMMISSION BUSINESS MEETING
MINUTES - PART I
Page -5-

meeting. The various subcommittees of the TCC also adopted mission during the TCC meeting held on Wednesday, October 17, 1990. These statements were also approved during E. Joyce's report.

* There was discussion regarding the mission statement for the S-FFMC. C. Perret motioned to defer action on the mission statements for the S-FFMC, Menhaden Advisory Committee and the Law Enforcement Committee. He further requested that the committees resubmit these statements and that they stress coordination and be brief in nature. W. Tatum seconded the motion. The motion passed.

Review and Action on Membership of:

Nominations were solicited for newly formed committees of the Commission following established guidelines. The new committees were: Recreational Fisheries Advisory Committee; Commercial Fisheries Advisory Committee; and, Legislative Advisory Panel.

The Commissioners discussed possible funding for the various committees. Staff will continue to investigate possible sources. Newly appointed members will not be reimbursed through the Commission or member states. Each approved nominee will be responsible for their own travel funds.

The following recommendation, actions and/or proposals were made for the new committees and approved as appropriate. -

- Recreational Fisheries Advisory Committee (RFAC)

| | |
|-------------|---|
| Alabama | Nominations to be submitted by mail |
| Florida | Nominations to be submitted by mail |
| Louisiana | George Ann Bernard New Iberia, LA 70560 Rita R. Scheffler Gretna, LA 70056 |
| Mississippi | Jay Trochesset Biloxi, MS 39531 Jim Lane Pass Christian, MS 39571 |

COMMISSION BUSINESS MEETING
MINUTES - PART I
Page -6-

Texas Ray Poage, Executive Director
Gulf Coast Conservation Association
Houston, TX 77056

Alan Allen
Sportsmen Conservationist of Texas
Austin, TX 78701

-Commercial Fisheries Advisory Committee (CFAC)

Alabama Grady L. Seaman
Bayou La Batre, AL 36509

Frank Hugh Cole
Foley, AL 36535

Florida Brannon Hillman, Jr.
Panama City, FL 32401

Gene Raffield
Port St. Joe, FL 32456

Louisiana Claude Blanchard
Golden Meadow, LA 70357

Danny Lafont
Golden Meadow, LA 70357

Mississippi Jimmy L. Cannette
D'Iberville, MS 39532

George Higginbotham
Biloxi, MS 39530

Texas Nomination to be submitted by mail

-Legislative Advisory Panel

(Members will be nominated from the State Senates and Houses. In addition to these two nominations from each State, the legislative Commissioner from each state will also be a member. The following list represents nominations to date.)

Alabama The Honorable Taylor F. Harper
Legislative Commissioner

The Honorable Steve Windom
Alabama Senate

Florida The Honorable Sam Mitchell
Legislative Commissioner

COMMISSION BUSINESS MEETING
MINUTES - PART I
Page -7-

| | |
|-------------|---|
| Louisiana | The Honorable Frank J. Patti Legislative Commissioner |
| | The Honorable Randy Roach Louisiana House of Representatives |
| Mississippi | The Honorable Tommy Gollott Legislative Commissioner |
| | The Honorable Clyde Woodfield Mississippi Senate |
| Texas | The Honorable Ken Armbrister Texas Senate |
| | The Honorable Clyde Alexander Texas House of Representatives |

Administrative Reports

-Financial Reports

-Financial Statement (as of 9/30/90)

L. Simpson reported that Commission finances were in good order and cautious spending in the last quarter of 1989 and throughout the current year was reflected in projected reserve funds which he projects to be approximately \$150,000 at the end of FY 90 (12/31/90). He reviewed the various federal grants administered by the Commission and stated that all responsibilities were achieved and with cautious optimism, he anticipates no problems.

-Computerized Financial Program

L. Simpson presented a progress report on efforts to computerize the Commissions accounting procedures. He reported that he had spent time with the staff of the Pacific States Marine Fisheries Commission and had reviewed their accounting system and had met with their contractor, James Fontenot of J & M Associates. He recommended that the Commission pursue an agreement with Mr. Fontenot to develop a similar program for the Commission. He estimates the cost to be \$10,000 to \$15,000. Funds from the Commission reserves would be used for this purpose. It was the general consensus of the Commissioners to proceed with this agreement.

-Audit (10/1/88 - 9/30/89 and 10/1/89 - 12/31/89)

Due to the recent change in the Commission's fiscal year, two audits were performed. The audits were submitted by mail to all Commissioners and the Executive Committee was present earlier in the day for the exit audit. Copies of both audits were provided in the Commission's briefing book. The audits were approved by acclamation.

Programmatic Report

-Interjurisdictional Fishery (IJF) Program

L. Simpson briefed the Commissioners on the status of the IJF Program. Current funding for FY 90 is \$110,000 and he anticipates the same funding for FY 91. The program supports the development of interstate fishery management plans.

FMP's for menhaden, blue crab and Spanish mackerel have been completed. The FMP for oyster is 90 percent complete and the task force for black drum has already met twice during the current year.

Funding appears to be secure for FY 91 and the next FMP developed will be for speckled seatrout or mullet. The species to be determined at the next meeting of the S-FFMC.

-Southeast Area Monitoring and Assessment Program (SEAMAP)

L. Simpson reported that SEAMAP provides administrative support to the States effort to gather cooperative S-F fishery independent data. FY 90 funding is \$93.5 and he anticipates level funding in FY 91. Dave Donaldson was hired as SEAMAP Coordinator in April 1990.

Funding for SEAMAP is secure in the House and he anticipates no problems from the Senate.

-Wallop/Breaux (W/B) Program

L. Simpson reported that W/B funds for FY 91 have been approved at \$142.6. This program enables the Commission to accomplish work on marine recreational data, artificial reefs, and striped bass. Two major activities of this project concern a proposal for marine recreational data and expanded striped bass research. These projects will be discussed in detail later in the day.

-Marine Fisheries Initiative (MARFIN) Administrative Contract

L. Simpson stated that he anticipates the government will renew option 2 of the 3 year contract which provides administrative services to the MARFIN Program Management Board. This board (which the Commission is a voting member on) provides guidance to the Regional Director of NMFS/SERO concerning what projects are funded annually by this \$3.0 million program for the Gulf of Mexico.

-Council Liaison Contract

This has been a continuous contract with the Commission and states since 1977. L. Simpson expects continued funding at \$25 K for activities supporting the Gulf Council.

Legislative Report

-FY 91 Federal Budget

L. Simpson reported on the current status of the FY 91 federal budget. The administrative request is \$153.6 million for NMFS. This represents a 17 percent cut over FY 90 appropriations. He anticipates level funding and some small some increases for programs of importance in the Gulf.

-Oil Pollution Act of 1990

L. Simpson reported on P.L. 101-380, the Oil Pollution Act of 1990, which the President signed into law on August 18, 1990. The major provisions of this act call for double hulls on new tankers and barges (old hulls will begin phase out in 1995); a trust fund to pay for clean-up and damages when liable party is unknown or unable to assume liability; and, limits normal operations. This act will not preempt the States from imposing its own assessments and will provide for preparation of a National Contingency Plan.

L. Kiffe discussed problems with super tankers violating shipping regulations. The tankers drag anchors when approaching inland waters. This results in damage to the bottom and creates problems for fishing

vessels. He stated that the USCG does not or can not enforce these regulations. His suggestion is to contact the Gulf congressional delegation and seek their assistance.

T. Gollott agrees that a problem exist not only with the damage caused by dragging anchors but also with refuse disposal.

It was the consensus of the Commissioners, that L. Simpson research this problem and recommend a course of action to the Commissioners.

Review of Oyster FMP

R. Leard, IJF Coordinator and J. Cirino, Chairman of Oyster Task Force reviewed the Oyster FMP. J. Cirino stated that 1st draft was complete and had been sent to the TCC. Copies were also distributed to the S-FFMC and to the Commissioners. No action is required at this time.

R. Leard reviewed the FMP and pointed out possible problem areas. They hope to get all comments in by the second week in November. If review and release from the TCC and S-FFMC is possible prior to Thanksgiving it will than be sent out for public comment. It is possible that FMP may be complete by the end of 1990.

Recreational Fisheries Information Network (RecFIN) Proposal

R. Lukens presented the concept of the proposal. He explained the Commission staff has been working closely with the staff of the Pacific States Marine Fisheries Commission in developing a proposal and that further investigation is necessary to perfect it. The purpose of this proposal will be to coordinate collection of marine recreational fishery data and to bring together all entities involved to provide the most efficient and cost effective effort.

He further stated that the current proposal will be reviewed in November with the Data Management Subcommittee. The proposal will be re-written and submitted to the TCC for review and comment. It will then be submitted to the full Commission for approval prior to submission to NMFS.

All present agreed on the concept but feel that the strategy needs to be streamlined. W. Perret stated that NMFS should fulfill their

COMMISSION BUSINESS MEETING
MINUTES - PART I
Page -11-

mandate to provide this information but if this concept would provide better data the states should be involved. W. Tatum stated that design would be critical to provide state as well as regional information. R. Rayburn questioned the Commissions role in this program - it needs to be more fully defined.

Other Business

A brief discussion regarding the upcoming "Charles H. Lyles Award" was held. It was the consensus of those present to make the nomination at the April 1990 meeting as established by existing guidelines.

The first session adjourned at 4:20 pm to allow for State caucus.

COMMISSION BUSINESS MEETING
MINUTES - PART II
Friday, October 19, 1990
Panama City, Florida

The meeting was called to order at 8:27 am by Chairman Tommy Gollott. Chairman Gollott introduced special guests: Senator Clyde Woodfield, Mississippi and Representative Clyde Alexander, Texas. The following persons were present:

Members

| | |
|-------------------|----|
| William S. Perret | LA |
| Leroy Kiffe | LA |
| Charles Belaire | TX |
| Ralph Rayburn | TX |
| Tommy Gollott | MS |
| Joe Gill, Jr. | MS |
| Walter Tatum | AL |
| John Ray Nelson | AL |
| Sam Mitchell | FL |
| Hans Tanzler, III | FL |
| Don E. Duden | FL |

Staff

Larry B. Simpson, Executive Director
Ron Lukens, Assistant Director
Ginny Herring, Executive Assistant
Dave Donaldson, SEAMAP Coordinator
Lucia B. Hourihan, Publication Specialist
Eileen M. Benton, Administrative Assistant
Nancy K. Marcellus, Staff Assistant
Cynthia Dickens, Staff Assistant

Other

Clyde Woodfield, Mississippi State Senate
Clyde Alexander, Texas House of Representatives
Ed Joyce, Chairman TCC, FDNR, Tallahassee, FL
Herb Kumpf, NOAA/NMFS, Panama City, FL
Walter Nelson, NOAA/NMFS, Pascagoula, MS

Executive Committee Recommendations

W. Perret reported that the Executive Committee met on Thursday, October 18, 1990. He motioned that their recommendations be approved. They recommended the following:

- Solicit proposals for a new auditor.
- Have audit available at April meeting.
- Compare audit cost/financial systems with similar organizations.

- Evaluate direct versus indirect cost.
 - 4 percent salary increases for all staff members.
 - Increase Commission contribution to retirement fund (from 6 % to 7 %).
- * D. Duden seconded. The motion passed.
- * W. Perret motioned to approved the FY 91 budget as presented and as modified by above recommendations. W. Tatum seconded. Motion passed.

State Legislation Affecting Marine Fisheries

L. Simpson presented the Commission report on State Legislation Affecting Marine Fisheries dated September 1990. All agreed that an annual report of this type is beneficial. Discussion regarding format and improvement included suggestions regarding numerical and subject listings. Commission staff will continue efforts to keep this report updated and enhanced.

Discussion of Gulf of Mexico Fisheries Management Council's Reef Fish/Shrimp FMP Amendments

L. Simpson reviewed the amendments for the GMFMC Reef Fish and Shrimp FMPs. The amendments limit the taking of snapper to six fish and day and does not recommend a EEZ closure for shrimp harvest. Implementation is expected January 1, 1991.

J. Nelson and R. Rayburn were concerned about a report issued by LMR Consultants dealing with the red snapper stock assessment. R. Rayburn stated that data collected by NMFS observers would provide more accurate data. He felt that if observers had been used 5 years ago, the fishery may not be in trouble because the bycatch issue would not be as serious as it is now. The shrimp industry should work with NMFS observers to show that bycatch is reduced and has been reduced. If bycatch is reduced the industry should prove it with data.

C. Perret pointed out that the data being used by the Council clearly states that the largest percent of snapper taken by the shrimp industry occurs during September, October and November, yet the amendment proposed closure during May, June and July. J. Nelson felt that the

Council's data based on historical estimates is bad. Bycatch is not desirable by fishermen and is avoided if at all possible. He felt that the LMR report pointed out some problems with the stock assessment by NMFS on red snapper.

There was a brief discussion regarding a minority report that came from Council members and was sent to the Secretary of Commerce and Dr. Fox, NOAA/Washington, D.C. W. Tatum disagreed with the minority report, he felt it went against the FMP policy and did not provide an equitable resolution.

W. Nelson spoke on bycatch reduction proposals being funded by MARFIN in cooperation with a broad range of representatives from industry, state, NMFS and experts as needed. They hope to establish standards to determine bycatch criteria to be used in developing gear, etc.

* R. Rayburn motioned to ask the Industry Advisory Panel to monitor bycatch reduction projects currently being funded through the MARFIN program. J. Nelson seconded. The motion carried.

Publication Report

L. Simpson presented an updated publication list for the Commission. Twelve publications were completed or were in press during FY 90.

Future Meetings

G. Herring reported that the April 1991 meeting would be held in Galveston, Texas. A hotel has not yet been confirmed. The Chairman during the April meeting (Don Duden) will be unable to attend the week of April 8-12, 1991. It was the general consensus of those present to change the meeting dates to April 15-18, 1991.

The October 14-18, 1991 meeting will be held in Louisiana. Site to be determined at a later date.

Election of Chairman and Vice Chairman

* S. Mitchell nominated D. Duden for Chairman. H. Tanzler seconded. D. Duden was elected by acclamation.

COMMISSION BUSINESS MEETING
MINUTES - PART II
Page -4-

- * C. Perret nominated L. Kiffe for Vice Chairman. W. Tatum seconded. L. Kiffe was elected by acclamation.
- * J. Nelson nominated T. Harper for Second Vice Chairman. L. Kiffe seconded. T. Harper was elected by acclamation.

The meeting adjourned at 10:00 am.

October 19, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY91 Budget

OPERATING FUNDS

January 1, 1991 - December 31, 1991

1. SALARIES

| | |
|-------------------------------------|--------|
| a. Personnel | 37,415 |
| b. Personnel Funds (not designated) | -0- |
| c. Contract Labor | -0- |
| d. Health Insurance | 4,300 |
| e. Retirement | 2,619 |
| f. Payroll Taxes | 2,862 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|--------|
| a. Office Rental | 4,023 |
| b. Office Supplies | 4,000 |
| c. Postage | 3,000 |
| d. Professional Services | 4,642 |
| e. Travel (staff) | 10,000 |
| f. Telephone | 3,746 |
| g. Office Equipment | 3,000 |
| h. Copying Expenses | 600 |
| i. Printing | 2,000 |
| j. Meeting Cost | 10,000 |
| k. Subscriptions/Dues | 1,600 |
| l. Auto Expense (gas/repairs) | 2,000 |
| m. Insurance (auto/bonds) | 3,200 |
| n. Maintenance (office equipment) | 4,500 |
| o. Petty Cash | 400 |
| p. Commission Courtesies | 400 |
| q. Committee Travel | -0- |
| r. Contractual | -0- |

TOTAL

\$104,307

October 19, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY91 Budget

SEAMAP

January 1, 1991 - December 31, 1991

1. SALARIES

| | |
|-------------------------------------|--------|
| a. Personnel | 40,218 |
| b. Personnel Funds (not designated) | -0- |
| c. Contract Labor | -0- |
| d. Health Insurance | 6,075 |
| e. Retirement | 2,815 |
| f. Payroll Taxes | 3,077 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|--------|
| a. Office Rental | 2,151 |
| b. Office Supplies | 1,000 |
| c. Postage | 3,000 |
| d. Professional Services | 1,398 |
| e. Travel (staff) | -0- |
| f. Telephone | 1,569 |
| g. Office Equipment | -0- |
| h. Copying Expenses | 1,600 |
| i. Printing | 6,323 |
| j. Meeting Cost | 2,200 |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bonds) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | 22,050 |
| r. Contractual | -0- |

TOTAL

\$93,476

October 19, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY91 Budget

INTERJURISDICTIONAL FISHERIES

January 1, 1991 - December 31, 1991

1. SALARIES

| | |
|-------------------------------------|--------|
| a. Personnel | 46,633 |
| b. Personnel Funds (not designated) | -0- |
| c. Contract Labor | -0- |
| d. Health Insurance | 7,846 |
| e. Retirement | 3,264 |
| f. Payroll Taxes | 3,567 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|--------|
| a. Office Rental | 3,267 |
| b. Office Supplies | 1,000 |
| c. Postage | 1,000 |
| d. Professional Services | 1,500 |
| e. Travel (staff) | 3,000 |
| f. Telephone | 2,123 |
| g. Office Equipment | -0- |
| h. Copying Expenses | 1,200 |
| i. Printing | 3,500 |
| j. Meeting Cost | 2,700 |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bonds) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | 29,400 |
| r. Contractual | -0- |

TOTAL \$110,000

October 19, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY91 Budget

WALLOP-BREAUX

January 1, 1991 - December 31, 1991

1. SALARIES

| | |
|-------------------------------------|--------|
| a. Personnel | 56,880 |
| b. Personnel Funds (not designated) | 2,404 |
| c. Contract Labor | -0- |
| d. Health Insurance | 8,717 |
| e. Retirement | 3,982 |
| f. Payroll Taxes | 4,351 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|--------|
| a. Office Rental | 2,506 |
| b. Office Supplies | 1,400 |
| c. Postage | 1,500 |
| d. Professional Services | 4,000 |
| e. Travel (staff) | 10,150 |
| f. Telephone | 2,289 |
| g. Office Equipment | 1,500 |
| h. Copying Expenses | 1,200 |
| i. Printing | 4,720 |
| j. Meeting Cost | 2,700 |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bonds) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | 34,300 |
| r. Contractual | -0- |

TOTAL

\$142,599

October 19, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY91 Budget

MARFIN

January 1, 1991 - December 31, 1991

1. SALARIES

| | |
|-------------------------------------|--------|
| a. Personnel | 23,030 |
| b. Personnel Funds (not designated) | -0- |
| c. Contract Labor | -0- |
| d. Health Insurance | 3,830 |
| e. Retirement | 1,612 |
| f. Payroll Taxes | 1,762 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|--------|
| a. Office Rental | 1,253 |
| b. Office Supplies | 600 |
| c. Postage | 975 |
| d. Professional Services | -0- |
| e. Travel (staff) | 2,275 |
| f. Telephone | 1,000 |
| g. Office Equipment | -0- |
| h. Copying Expenses | 780 |
| i. Printing | 5,325 |
| j. Meeting Cost | 2,475 |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bonds) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | 30,000 |
| r. Contractual | -0- |

TOTAL

\$74,917

October 19, 1990

GULF STATES MARINE FISHERIES COMMISSION
FY91 Budget

COUNCIL

January 1, 1991 - December 31, 1991

1. SALARIES

| | |
|-------------------------------------|--------|
| a. Personnel | 19,000 |
| b. Personnel Funds (not designated) | -0- |
| c. Contract Labor | -0- |
| d. Health Insurance | 2,192 |
| e. Retirement | 1,330 |
| f. Payroll Taxes | 1,454 |

2. MAINTENANCE/OPERATIONS

| | |
|-----------------------------------|-------|
| a. Office Rental | -0- |
| b. Office Supplies | -0- |
| c. Postage | -0- |
| d. Professional Services | -0- |
| e. Travel (staff) | 1,024 |
| f. Telephone | -0- |
| g. Office Equipment | -0- |
| h. Copying Expenses | -0- |
| i. Printing | -0- |
| j. Meeting Cost | -0- |
| k. Subscriptions/Dues | -0- |
| l. Auto Expense (gas/repairs) | -0- |
| m. Insurance (auto/bonds) | -0- |
| n. Maintenance (office equipment) | -0- |
| o. Petty Cash | -0- |
| p. Commission Courtesies | -0- |
| q. Committee Travel | -0- |
| r. Contractual | -0- |

TOTAL

\$25,000

October 19, 1990

GULF STATES MARINE FISHERIES COMMISSION
 FY91 Budget
 January 1, 1991 - December 31, 1991

| | FY91 Operating Funds | FY91 Total Grants | FY91 Total Budget |
|--|----------------------------|-------------------------|-------------------------|
| EXPENSE | | | |
| 1. SALARIES | | | |
| a. Personnel | 37,415 | 185,761 | 223,176 |
| b. Personnel Funds (not designated) | - | - | - |
| c. Contract Labor | - | 2,404 | 2,404 |
| d. Health Insurance | 4,300 | 28,660 | 32,960 |
| e. Retirement | 2,619 | 13,003 | 15,622 |
| f. Payroll Taxes | 2,862 | 14,211 | 17,073 |
| 2. MAINTENANCE/OPERATIONS | | | |
| a. Office Rental | 4,023 | 9,177 | 13,200 |
| b. Office Supplies | 4,000 | 4,000 | 8,000 |
| c. Postage | 3,000 | 6,475 | 9,475 |
| d. Professional Services | 4,642 | 6,898 | 11,540 |
| e. Travel (staff) | 10,000 | 16,449 | 26,449 |
| f. Telephone | 3,746 | 6,981 | 10,727 |
| g. Office Equipment | 3,000 | 1,500 | 4,500 |
| h. Copying Expenses | 600 | 4,780 | 5,380 |
| i. Printing | 2,000 | 19,868 | 21,868 |
| j. Meeting Costs | 10,000 | 10,075 | 20,075 |
| k. Subscriptions/Dues | 1,600 | - | 1,600 |
| l. Auto Expenses (gas/repairs) | 2,000 | - | 2,000 |
| m. Insurance (auto/bond) | 3,200 | - | 3,200 |
| n. Maintenance (office equipment) | 4,500 | - | 4,500 |
| o. Petty Cash | 400 | - | 400 |
| p. Commission Courtesies | 400 | - | 400 |
| q. Committee Travel | - | 115,750 | 115,750 |
| r. Contractual | - | - | - |
| TOTAL | \$104,307 | \$445,992 | \$550,299 |
| INCOME | | | |
| 1. STATE CONTRIBUTIONS | | | |
| a. Alabama | \$ 11,250 | | |
| b. Florida | 22,500 | | |
| c. Louisiana | 22,500 | | |
| d. Mississippi | 11,250 | | |
| e. Texas | 22,500 | | |
| TOTAL DUES | | | 90,000 |
| 2. INTEREST | 6,000 | -0- | 6,000 |
| 3. REGISTRATION FEES | 7,500 | -0- | 7,500 |
| 4. GRANTS | | | |
| a. SEAMAP | | 93,476 | |
| b. Interjurisdictional Fisheries | | 110,000 | |
| c. Wallop-Breaux | | 142,599 | |
| d. Council | | 25,000 | |
| e. MARFIN | | 74,917 | |
| TOTAL GRANTS | | | 445,992 |
| TOTAL | \$103,500 | \$445,992 | \$549,492 |