

Report on 19th Month Activities
Interagency Agreement AA550-IA7-35
Biological Baseline Studies
Mid-Atlantic OCS

Between

Northeast Fisheries Center
National Marine Fisheries Service
National Oceanic and Atmospheric Administration
U. S. Department of Commerce

and

Bureau of Land Management
U. S. Department of Interior

For the Period
17 December - 16 January 1978

19 January 1979

Report No. SHL79-3 (January 1979)

A. PROGRAM MANAGEMENT

1. The program coordinator and manager met with ADP and Pathobiology staff at Sandy Hook on 11 January to discuss status of the Pathobiology citation file and ways of selectively retrieving data to aid in producing an interpretive final report. An outline of this report was drafted and is appended to the Pathobiology monthly narrative. All citations have now been corrected, and a complete listing with explanatory text will be submitted to BLM very shortly.

2. The program manager sent samples of Ichthyoplankton data formats to NODC to determine whether these formats will be acceptable, if sufficiently documented with little or no reformatting.

B. DATA MANAGEMENT

1. After receipt of the coded Vertical Distribution cruise data from the Ichthyoplankton staff, we began punching operations.

2. We finished an updated disease registry file, incorporating corrections received from reviewers. We also met with Pathobiology staff and determined what ADP extractions would be useful for writing the interpretive report. We have developed and tested successfully a program to generate a keyword dictionary. A second program being developed is a keyword listing by accession code and a breakout of citations by infectious, non-infectious, and taxonomic categories.

C. TASK ACCOMPLISHMENTS

1. Fisheries:

During this reporting period, work centered around producing data reports for subtasks 2AB, 2AC and 2AD. The computer runs are complete and are now being bound and labelled prior to shipment to the BLM.

Messrs. Imamura, Azarovitz and Byrne met at the New York BLM offices on 9 January (this meeting was originally scheduled for Woods Hole on 20 December). Based on BLM recommendations, examples of subtask 2AF (graphical presentation of major themes) and an outline of the final interpretive section will be forwarded to BLM during the next reporting period.

2. Ichthyoplankton:

Most of our effort continued to involve final report preparation. The draft report is nearly complete; we expect to submit it to our program administrators for internal review before the end of January.

We completed coding of the vertical migration data and submitted these data sets to ADP for keypunching. There has been no further progress on reformatting of the data (from 1973-76 semiannual Middle Atlantic Bight and 1974-76 monthly New York Bight surveys) held at the Narragansett Laboratory, due to continued personnel and priority problems. Samples of our formats for these data sets were sent to NODC in the hope that the data would be acceptable to that group with little or no reformatting.

3. Pathobiology:

All citations have been corrected and merged into a completed listing. We began preparing a short explanatory text for the listing, and should be able to provide this package to BLM within the month. We met with ADP personnel and program administrators at Sandy Hook on 11 January to determine how best to selectively retrieve citations for final report preparation. The file will first be split into references on infectious vs non-infectious pathology and then further grouped according to major taxon (finfish, shellfish, molluscs).

We are also exploring the possibility of obtaining no-cost help from an outside programming group to further divide these categories. While at Sandy Hook, we formulated an outline (attached) for the final report.

DISEASES OF MARINE AND ESTUARINE FISH AND SHELLFISH
FROM NORTH AMERICA: A REVIEW

by

A. Rosenfield and R. Murchelano

- I. Introduction
 - Subareas
 - Principal literature sources -- holdings
 - Species considered
 - Definition of disease
 - Registry of Marine Pathology
 - Significance of disease in marine environment
- II. Diseases of Fish
 - Infectious diseases and their significance
 - Non-infectious diseases and their significance
- III. Diseases of Crustacea
 - Infectious diseases and their consequences
 - Non-infectious diseases and their consequences
- IV. Diseases of Molluscs
 - Infectious diseases and their consequences
 - Non-infectious diseases and their consequences
- V. Relationship of Disease to Life Habits of Fish and Shellfish
- VI. Effects of Pollutants on Disease in Fish and Shellfish
- VII. Conclusions
- VIII. Literature Cited