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**NOAA Technical Memorandum NMFS-F/NEC-102**

**Indexed Bibliography  
of Northeast Fisheries Science Center  
Publications and Reports for 1990-91**

**U. S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Marine Fisheries Service  
Northeast Region  
Northeast Fisheries Science Center  
Woods Hole, Massachusetts**

**May 1994**

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97. **Water-column Thermal Structure in the Middle Atlantic Bight and Gulf of Maine during 1978-92.** By Robert L. Benway, Kevin P. Thomas, and Jack W. Jossi. March 1993. viii + 154 p., 147 figs., 2 tables. NTIS Access. No. PB93-223147.
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99. **Sole Ownership of Living Marine Resources.** By Steven F. Edwards, Allen J. Bejda, and R. Anne Richards. May 1993. vii + 21 p., 6 figs., 1 table. NTIS Access. No. PB94-146651.
100. **Emerging Theoretical Basis for Monitoring the Changing States (Health) of Large Marine Ecosystems -- Summary Report of Two Workshops: 23 April 1992, National Marine Fisheries Service, Narragansett, Rhode Island, and 11-12 July 1992, Cornell University, Ithaca, New York.** By Kenneth Sherman, ed. September 1993. iii + 27 p., 1 fig., 9 tables, 5 app. NTIS Access. No. PB94-157476.
101. **Status of Fishery Resources off the Northeastern United States for 1993.** By Conservation and Utilization Division, Northeast Fisheries Science Center. October 1993. iv + 140 p., 62 figs., 70 tables. NTIS Access. No. PB94-142361.



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This TM series is used for documentation and timely communication of preliminary results, interim reports, or special purpose information, and has not undergone external scientific review.

# **Indexed Bibliography of Northeast Fisheries Science Center Publications and Reports for 1990-91**

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**Woods Hole, Massachusetts**

**May 1994**

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Unless otherwise indicated, a single reprint or photocopy of a listed publication, report, presentation, or abstract is available free of charge from the senior/sole Northeast Fisheries Science Center author of the work. (Center authors are identified in the list by being spelled in all capital letters.) The correct mailing address for the senior/sole Center author is given at the end of the bibliographic entry.

Requests for reprints or photocopies not sent to the senior/sole Center author, but to the Center's Information Services Unit, will be filled, but there will be significant delays in filling such requests.

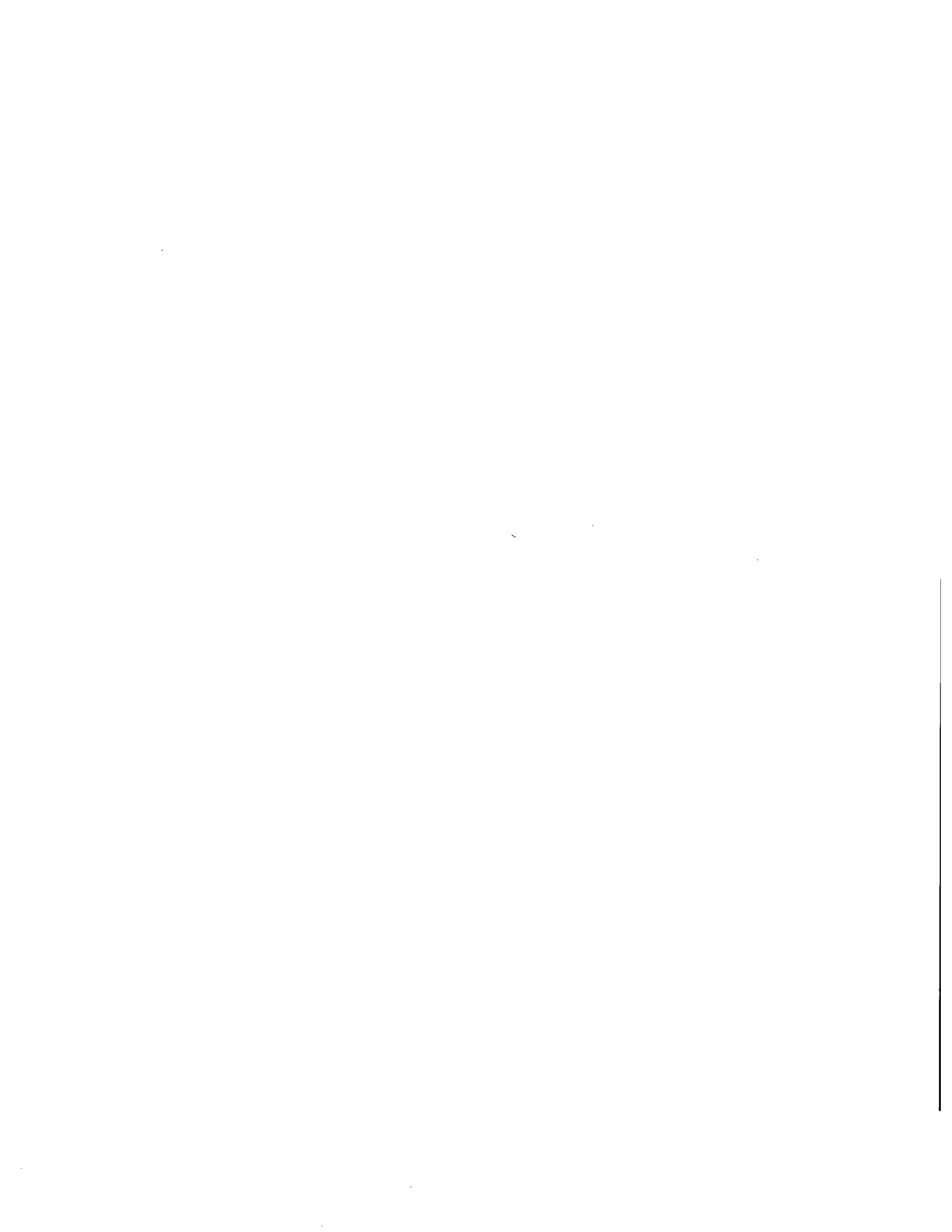
## **ACKNOWLEDGMENT**

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## INTRODUCTION

The following list of publications, reports, presentations, and abstracts by Northeast Fisheries Science Center employees is the 14th issue in a series of such lists. The first 13 issues (1977-89) were annual lists. This issue (1990-91) and succeeding issues will be biennial lists.

The lists for 1977-83 were issued as the "Collected Reprints of the Northeast Fisheries Center" ("Collected Reprints"). Each issue of the Collected Reprints included a copy of each peer-reviewed publication by Center employees.

The lists for 1984-86 were issued as the "Northeast Fisheries Center Publications and Reports" ("Publications List"). The 1984 issue of the Publications List included a list of the peer-reviewed publications by Center employees. The 1985 and 1986 issues of the Publications List included a list of both peer-reviewed publications and some of the non-peer-reviewed publications and reports by Center employees. Primary purpose of the Collected Reprints and Publications List was documentation of Center publications and reports.

Since 1987, the lists have been issued as "An Indexed Bibliography of Northeast Fisheries (Science) Center Publications and Reports" ("Indexed Bibliography"). The Indexed Bibliography expands the purpose of the series to include not only documentation, but also reference. The reference role is accomplished through subject and author indices. The subject index is further divided into three subindices -- "Organisms," "Geographic Areas," and "Topical/Residual Subjects" -- to facilitate its use by those in the marine fisheries research and management fields. The 1988 and 1989 issues of the Indexed Bibliography differed from the 1987 issue in that published abstracts were included, and that indices were cross-referenced. This 1990-91 issue includes abstracts, but not cross-referencing.

Some of the publications, reports, presentations, and abstracts by Center employees deal more with administrative than scientific matters. Consequently, not all works are appropriate for this list. **Only those works are included that have been specifically identified and provided by the Center's Executive Staff.** Several works which have pre-1990 publication dates, but which were inadvertently omitted by the Executive Staff from the 1989 issue, have been included in this 1990-91 issue. They are noted by a "\*" Authors who were Center employees at the time they composed their works, and/or who were Center employees during 1990-91, are denoted in the list by all capital letters.

Editorial treatment of bibliographic entries is largely based on the CBE style manual, fifth edition<sup>1</sup>. Also, there are many foreign recipients of the issues of this series, most of whom do not use English as a primary language. Because English-language-based acronyms are particularly difficult to comprehend by non-English-using readers, the standardized abbreviations of these acronyms have been included within squared brackets immediately following the acronyms.

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## INDICES

Following are four indices: three subject indices ("Organisms," "Geographic Areas," and "Residual Subjects") and an author index ("Center Authors"). Because of the relatively few entries in each of the subject indices, these indices have a primitive construction (*i.e.*, no subentries and no cross-referencing).

### ORGANISMS

For each fish, mollusk, and crustacean covered by the American Fisheries Society's (AFS's) respective lists of common and scientific names,<sup>2,3,4</sup> and for which a common name is given in those lists, the AFS's common name is used. For an organism covered by the AFS lists, but for which no common name is given, the AFS's scientific name, followed by the encompassing family name within parentheses, is used. For each marine mammal covered by the American Society of Mammalogists' (ASM's) list of common and scientific names,<sup>5</sup> one of the ASM's given common names is used. For each sea turtle and sea bird covered by the U.S. Fish and Wildlife Service's (USFWS's) list of common and scientific names,<sup>6</sup> the USFWS's common name is used.

For names of organism not covered by the AFS, ASM, or USFWS lists, reliance is primarily on Gosner's 1971 treatise,<sup>7</sup> and secondarily on Meglitsch's 1967 textbook.<sup>8</sup> When such an organism (*i.e.*, not covered by the AFS, ASM, or USFWS lists) has a popular common name, then that common name is used, followed by the scientific name. When such an organism does not have a popular common name, then the scientific name is used, typically followed by (for higher/more advanced life forms) an encompassing higher-level taxon within parentheses, or (for lower/more primitive life forms) a generic descriptor within parentheses (*e.g.*, bacterium, alga, echinoid).

In addition, several artificial collectivizing terms (*e.g.*, demersal fishes, decapod crustaceans, bivalve mollusks) are included to assist the worker looking at broader taxa or at community/ecosystem-level functions.

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## GEOGRAPHIC AREAS

Generally, Northeast Fisheries Science Center research occurs throughout, and/or applies to, the whole Northwest Atlantic continental shelf from the U.S.-Canadian border to Cape Hatteras, North Carolina. Consequently, the Center's publications, reports, presentations, and abstracts generally cover, and/or pertain to, the whole area. For this reason, this geographic area index lists only those areas which are: (1) outside the general area; or (2) specific sites or areas inside the general area.

To help the reader, especially the non-U.S. reader, locate some of the smaller and/or lesser known geographic areas, the larger and/or better known geographic areas that encompass or adjoin them are listed within parentheses.

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## RESIDUAL SUBJECTS

The terms used in this index are, to the extent possible, the terms used by the author(s) of each individual work. In some instances, this leads to different terms for fundamentally identical entities or concepts (e.g., bathymetric distribution/depth distribution, population interchange/population intermixing). With the lack of subentries and cross-referencing, this could pose a problem for the non-researcher seeking to identify all works in a given discipline. It shouldn't pose any problem for the trained researcher, however.

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