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# **List of Documents**

(SCR Documents presented at the Symposium)

Document Number	Document Serial Number	Author(s) and Title
95/80	N2597	MOORE, S. E., and D. P. DEMASTER. Cetaceans habitats in the Alaskan Arctic. (18 pages)
95/81	N2598	GRIFFIN, R. B. An investigation of relationships between odontocete distributions and zooplankton abundances. (26 pages)
95/82	N2604	FERTL, D., and D. LEATHERWOOD. Cetacean interactions with trawls: a preliminary review. (34 pages)
95/83	N2605	BOGSTAD, B., K. H. HAUGE, and Ø. ULLTANG. MULTSPEC – a multispecies model for fish and marine mammals in the Barents Sea. (47 pages)
95/84	N2606	MERRICK, R. L. Current and historical role of apex predators in the Bering Sea ecosystem. (20 pages)
95/85	N2607	HAUKSSON, E., and V. BOGASON. Vagrant seals visiting the coastal waters of Iceland, in the period 1989–1994; hooded seals ( <i>Cystophora cristata</i> Erxleben, 1777), harp seals ( <i>Phoca groenlandica</i> Erxleben, 1777), bearded seals ( <i>Erignathus barbatus</i> Erxleben, 1777) and ringed seal ( <i>Phoca hispida</i> Schreber, 1775). (16 pages)
95/86	N2608	ÓLAFSDÓTTIR, and E. HAUKSSON. Anisakid (Nematoda) infections in Icelandic grey seals (Halichoerus grypus Fabr.). (25 pages)
95/87	N2609	KENNEY, R. D., G. P. SCOTT, T. J. THOMPSON, and H. E. WINN. Estimates of prey consumption and tropic impacts of cetaceans in the U.S. Northeast continental shelf ecosystem. (31 pages)
95/88	N2610	CRESPO, E. A., S. N. PEDRAZA, S. L. DANS, M. K. ALONSO, L. M. REYES, N. A. GARCIA, M. COSCARELLA, and A. C. M. SCHIAVINI. Direct and indirect effects of the High Seas fisheries on the marine mammal populations in the northern and central Patagonian coast. (25 pages)
95/89	N2611	BOYLE, G. J. An operant methods of investigating prey selection in seals. (15 pages)
95/90	N2612	TRITES, A. W, D. PAULY, and V. CHRISTENSEN. Competition between fisheries and marine mammals for prey and primary production in the Pacific Ocean. (22 pages)
95/91	N2613	TODD, S., P. OSTROM, J. LIEN, and J. ABRAJANO. Use of the stable isotope ratio ( $\delta^{13}$ C to determine diet in humpback whales ( <i>Megaptera novaeangliae</i> ). (9 pages)
95/92	N2614	NILSSEN, K. T., P. E. GROTNES, T. HAUG, and V. POTELOV. Seasonal variation in body condition of adult Barents Sea harp seals ( <i>Phoca groenlandica</i> ). (13 pages)

Document Number	Document Serial Number	Author(s) and Title
95/93	N2615	SHELTON, P. A., W. G. WARREN, G. B. STENSON, and J. W. LAWSON. Quantifying some of the major sources of uncertainty associated with estimates of harp seal prey consumption. Part I. Uncertainty in consumption estimates associated with population size, residency, energy requirement and diet. (12 pages)
95/94	N2616	WARREN, W. G., P. A. SHELTON, and G. B. STENSON. Quantifying some of the major sources of uncertainty associated with estimates of harp seal prey consumption. Part II. Uncertainty in estimates of harp seal population size. (11 pages)
95/95	N2617	STENSON, G. B., M. O. HAMMILL, and J. W. LAWSON. Predation of Atlantic cod, capelin, and Arctic cod by harp seals in Atlantic Canada. (17 pages)
95/96	N2618	HAUG, T., U. LINDSTRØM, K. T. NILSSEN, and H. J. SKAUG. On the variation in size and individual composition of minke whale ( <i>Balaenoptera acutorostrata</i> ). (18 pages)
95/97	N2619	SKAUG, H. J., H. GJØSÆTER, T. HAUG, U. LINDSTRØM, and K. T. NILSSEN. Do minke whales ( <i>Balaenoptera acutorostrata</i> ) exhibit particular prey preferences? (22 pages)
95/98	N2620	SIGURJÓNSSON, and G. A. VIKINGSSON. Estimation of food consumption by cetaceans in Icelandic and adjacent waters. (17 pages)
95/99	N2621	STEFÁNSSON, A., J. SIGURJÓNSSON, and G. VIKINGSSON. On dynamic interactions between some fish resources and cetaceans off Iceland based on a simulation model. (11 pages)

# NOTICE

# **SYMPOSIUM**

# Variations in Maturation, Growth, Condition and Spawning Stock Biomass Production in Groundfish

Hosted by the Scientific Council of the Northwest Atlantic Fisheries Organization

# 9-11 September, 1998

Altis Hotel, Lisbon, Portugal

#### CALL FOR PAPERS

The Scientific Council of NAFO is pleased to announce this Symposium to be held in conjunction with the NAFO 20th Annual Meeting, in Lisbon, Portugal. The Symposium will be co-convened by E. Aro (Finland), J. Burnett (USA) and J. Morgan (Canada), and organized by the NAFO Secretariat.

Changes in maturation, growth and condition, duration of spawning season and the spatial distribution of spawning stock have been observed in several groundfish stocks, particularly in the North Atlantic. These variations have direct implications for spawner biomass production per recruit and management strategies that incorporate these parameters. The purpose of this Symposium will be to discuss the causes and consequences of such variations, including evidence of environmental, density-dependent, predation or size-selective fishing effects and consequences for spawner biomass per recruit and population growth rate, as well as implications for management strategies.

#### **Invited Speakers:**

E. Trippel (Canada)

O. Kjesbu (Norway)

J.-D. Dutil (Canada)

F. Serchuk and S. Murawski (USA)

Parent-Progency Relationships: Challenges to Groundfish Stock Assessments

Factors Affecting Reproductive Output in Groundfish

Temperature, Growth Rate and Condition Relationships

Spawning Stock Biomass Production on Groundfish Management Strategies: Some Real World Examples

Authors are encouraged to submit full manuscripts for consideration for publication in the *Journal of Northwest Atlantic Fishery Science*. A deadline of **15 April 1998** has been set for the provision of titles and abstracts. Abstracts should be a maximum of 250 words. The author should indicate the presenter's name, address, whether an oral or poster presentation is requested and whether it is intended for consideration for publication. Authors will be notified of selected contributions by **15 June 1998**. All papers intended for publication must be submitted by **9 September 1998**. There is no Symposium fee.

Further information may be obtained from:

#### Joanne Morgan

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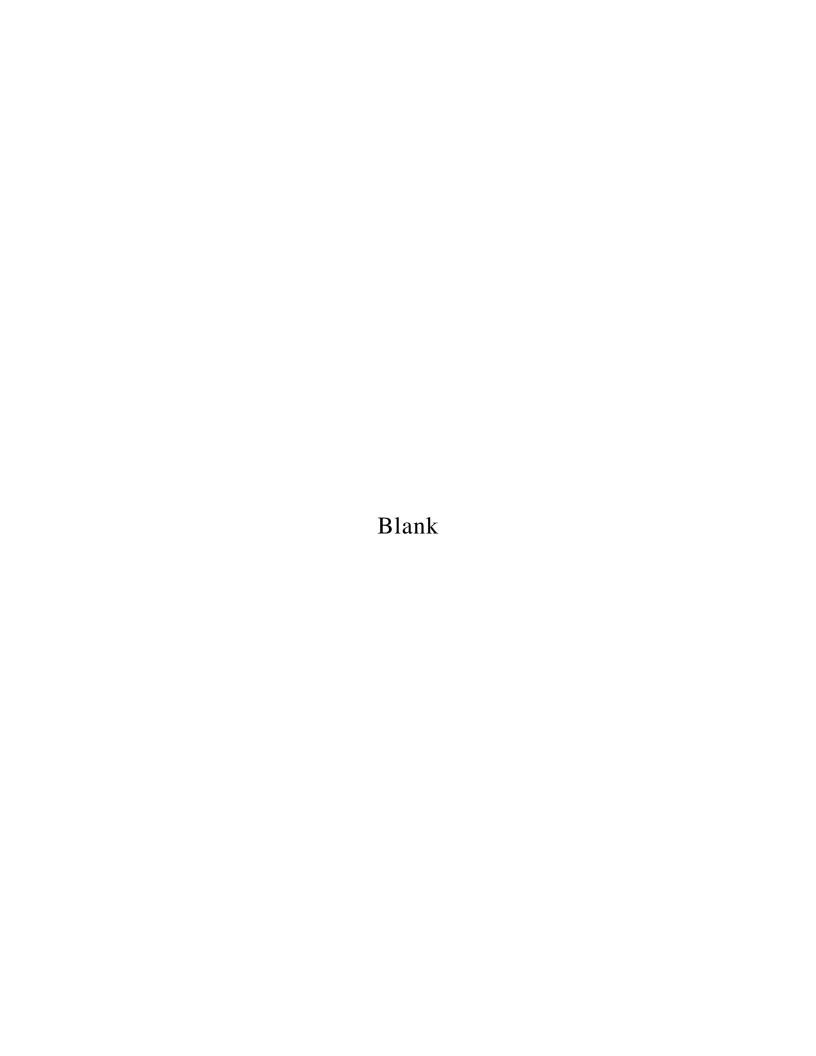
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# NOTICE

# **SYMPOSIUM**

# Pandalid Shrimp Fisheries - Science and Management at the Millenium

# FIFTIETH ICNAF/NAFO ANNIVERSARY

Hosted by the Scientific Council of the Northwest Atlantic Fisheries Organization (NAFO)

and

Co-sponsored by NAFO, the International Council for the Exploration of the Sea (ICES) and the North Pacific Marine Science Organization (PICES)

## 8-10 September, 1999

Venue to be announced

The Scientific Council of NAFO is pleased to announce this Symposium to be held in conjunction with the NAFO 21st Annual Meeting, and during the 50th Anniversary of ICNAF/NAFO. The Symposium will be co-convened by P. Koeller (NAFO), S. Tveite (ICES), and J. Boutillier (PICES), and organized by the NAFO Secretariat.

Pandalid shrimp are an important global resource, with significant fisheries in the North Atlantic, and the North Pacific. Populations have shown large fluctuations in abundance due to environmental and ecological influences, fishing pressure, or a combination of these factors. The purpose of the Symposium is to review, discuss and synthesize all aspects of Pandalid shrimp biology, ecology and fisheries science relevant to the rational management of these resources, including:

- Environmental and Ecological influences Can useful predictive relationships between environmental factors and stock abundance be developed? What is the evidence for predator forcing of shrimp stock dynamics? How can this information be quantified and applied in multispecies management models?
- Stock Assessments and Associated Biological Research How do shrimp stocks respond to exploitation? What are the constraints to analytical stock assessments and how can they be overcome? What biological indicators are useful in detecting changes in stock status?
- Management Strategies What biological reference points and conservation limits should be used in stock management? How can the precautionary approach be applied to shrimp fisheries?
- Harvesting How have technological advances influenced the development of shrimp fisheries? What are the latest developments in harvesting and processing and their impacts?

A second announcement and "Call for Papers" will be issued shortly for contributed papers and posters. Papers will be selected on the basis of their relevance to the topics and scientific suitability. It is anticipated that the proceedings of this Symposium will be published in a special issue of the *Journal of Northwest Atlantic Fishery Science*.

If you are interested in contributing papers or participating in the meetings you may obtain further information from:

#### P. Koeller

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Canada B3J 27S

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#### J. Boutillier

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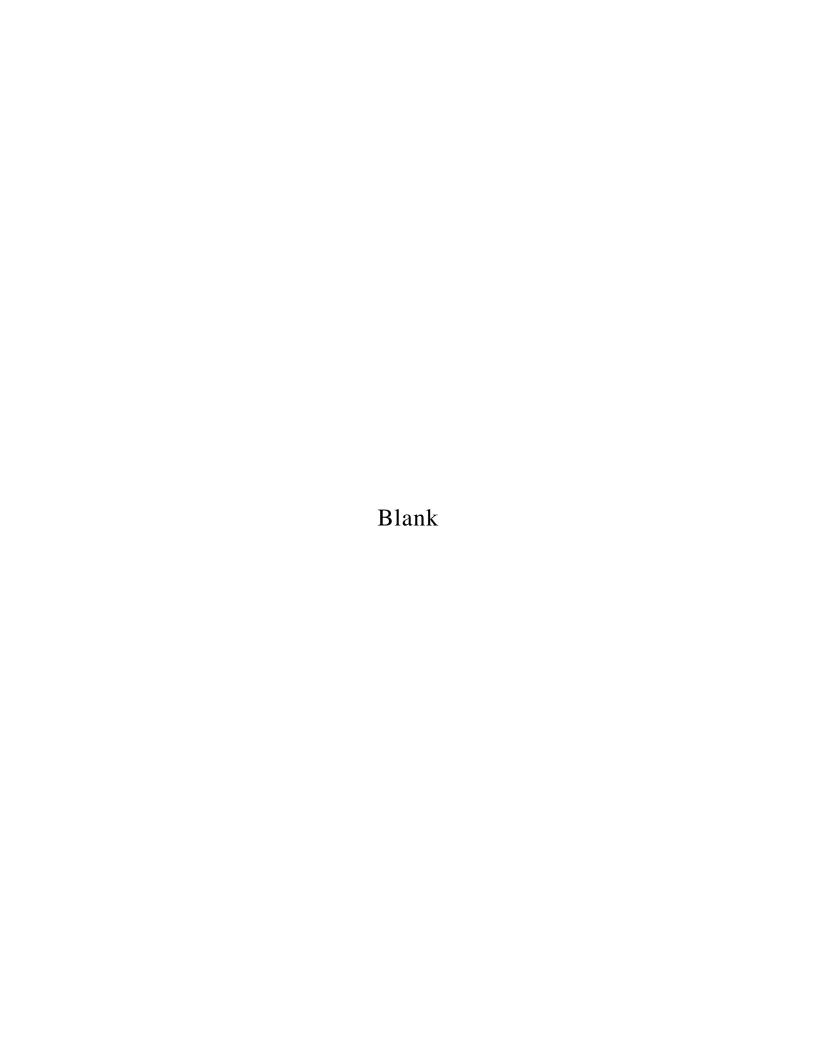
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# Information for Authors in Preparing Manuscripts for NAFO Scientific Publications

## **General Guidelines**

The manuscript should be typed in English on white paper, preferably  $21.5 \times 28$  cm  $(8.5 \times 11$  in.), on one side only. All typing should be double-spaced with at least 2.5 cm margins around the page. Avoid breaking words at the end of lines. Number all pages, including the title page, consecutively with arabic numbers in the center of the top margin. The sequence of the material should be: title page, abstract, text, references, tables, captions for figures, and figures.

# **Content of Manuscript**

#### Title page

This page should contain the title, followed by the name(s) and address(es) of the author(s) including professional affiliation, and any related footnotes. Limit the title to what is documented in the manuscript, and keep it as concise as possible.

#### Abstract

An informative abstract must be provided, which does not exceed one double-spaced page or about 250 words, the ultimate length being dependent on the size of the manuscript. The abstract should concisely indicate the content and emphasis of the paper. It should begin with the main conclusion from the study and be supported by statements of relevant findings. It is important that the abstract accurately reflect the paper's contents, because it is often separated from the main body of the paper by abstracting and indexing services.

# Text

In general, the text should be organized into Introduction, Materials and Methods, Results, Discussion, Acknowledgements and References. Authors should be guided by the organization of papers that have been published in the NAFO Journal or Studies and by such authorities as the Council of Biological Editors Style Manual (CBE, 9650 Rockville Pike, Bethesda, MD 20814, USA). The Introduction should be limited to the purpose and rationale of the study, with literature review and other information limited to what is needed to define the problem. The Materials and Methods should provide the framework for obtaining answers to the problems which concern the purpose of the study. The Results should answer the questions evolving from the purpose of the study in a comprehensive manner, avoiding any confusion between facts and inferences and the restatement of table and figure captions in the text. The Discussion should give the main contributions

from the study, with appropriate interpretation and comparison with those of other authors. Speculation should be limited to what can be supported with reasonable evidence, in the case of short papers, it is often useful to combine Results and Discussion to avoid repetition. Acknowledgements should be limited to the names of individuals who provided significant scientific and technical support, including reviews, during the preparation of the manuscript, and the names of agencies which provided financial support.

Mathematical equations and formulae must be accurately stated, with clear definitions of the various letters and symbols. If logarithmic expressions are used, the type of function (base 10 or natural logarithms) must be clearly indicated in the text or by appropriate symbols (" $\log_{10}$ " or " $\log$ " for ordinary logarithms, and " $\log_{e}$ " or " $\ln$ " for natural logarithms).

#### References

Good judgment should be used in the selection of references, which must be restricted largely to significant published literature. References to unpublished data and documents, manuscripts in preparation, and manuscripts submitted to other journals (if not yet accepted for a particular issue) must not be cited in the list of references but may be noted in the text as unpublished data or personal communications (with full mailing address of the authors). Citation of meeting documents which have limited circulation should be avoided whenever possible, except when such documents contain significant new findings for which no other published sources of the information exist.

Literature references cited in the text must be by author's surname and year of publication, e.g. (Collins, 1960). The surnames of two authors may be used in a citation, but, if more than two authors are involved the citation should be (Collins et al., 1960). The citation of mimeographed manuscript reports and meeting documents should contain the abbreviation "MS", e.g. (Collins et al., MS 1960). All papers referred to in the text must be cited in the References alphabetically by the author's surname and initials, followed by the initials and surnames of other authors, year of publication, full title of the paper, name of the periodical, volume and/or number, and range of pages. Abbreviations of periodicals should, if possible, follow the "World List of Aquatic Sciences and Fisheries Serials Titles", published periodically by FAO (Food and Agriculture Organization of the United Nations). References to monographs should, in addition to the author(s), year and title, contain the name and place of the publisher and the number of pages in the

volume. Reference to a paper in a book containing a collection of papers should also contain the page range of the paper, name(s) of editor(s), and actual title of the book. The accuracy of all references and their correspondence with text citations is the responsibility of the author.

#### **Tables**

All tables must be discussed or mentioned in the text. Tables should be carefully constructed so that the data presented in them are clearly understood and that they fit within either a column or page of the periodical. Each table should start on a separate page and be headed by a description which, together with the column headings, makes the table intelligible with reference to the text. Tables must be numbered consecutively in arabic numerals, which correspond with the order of presentation in the text. The required position of tables in the text should be indicated in the left margin of the relevant page. Place the tables after the list of references.

# **Figures**

All figures must be referred to or discussed in the text. Each figure in the form of illustration or photograph must be on a separate sheet and numbered consecutively with arabic numerals.

The figure number should be clearly indicated on the back or in the bottom margin of each illustration. Figure captions should be typed on a separate sheet which follows the tables in paging sequence. The approximate location of each figure in the text should be indicated in the left margin of the relevant page. A complete set of originals or clear, good quality copies must accompany the original of the manuscript and good quality photocopies must be appended to the other copies for review purposes.

When preparing figures, consideration should be given to details such as shading and lettering with respect to the effects of reduction in size to a page width (17 cm) or a single column width (8 cm) (e.g. lettering should not be overbearing or too small). Ideally dimensions of figures should not exceed 17 cm  $\times$  20 cm. If over-sized figures are necessary, only good quality page-size photocopies should be submitted and the large originals should be retained by the author and submitted only if requested by the Associate Editor or the NAFO Secretariat. If the paper contains photographs which will not photocopy clearly (e.g. poor contrast photographs), a set of such photographs must accompany each copy of the manu-

script. Colour photographs are expensive to reproduce in colour and should be avoided if possible. If they are essential to the understanding of the text, the author will be required to pay for the additional cost of reproduction.

# **Manuscript Submission**

# Journal of Northwest Atlantic Fishery Science

The Journal provides a forum for the primary publication of original research papers. While it is intended to be regional in scope, papers of general applicability and methodology, irrespective of region, may be considered. Both practical and theoretical papers are eligible. Space is also provided for notes, letters to the editor and notices.

Manuscripts are considered for publication with the understanding that their content is unpublished and is not being submitted elsewhere for publication. Each manuscript is assigned to an Associate Editor for scientific editing and is normally reviewed by two referees for appraisal regarding its suitability as a primary article. Submissions (original and three copies) should be addressed to:

Assistant Executive Secretary Northwest Atlantic Fisheries Organization P. O. Box 638 Dartmouth, Nova Scotia Canada B2Y 3Y9

#### **NAFO Scientific Council Studies**

The Studies publishes papers which are of topical interest and importance to the current and future activities of the Scientific Council, but which are not considered to be sufficiently high quality to meet the standards for primary publication in the Journal. Such papers have usually been presented as research documents at Scientific Council meetings and nominated for publication by the Standing Committee on Publications. These manuscripts are not normally refereed but undergo critical scrutiny by the Studies editor and if necessary by an expert familiar with the subject matter. Manuscripts (one copy only) should be addressed to:

Assistant Executive Secretary Northwest Atlantic Fisheries Organization P. O. Box 638 Dartmouth, Nova Scotia Canada B2Y 3Y9

# Scientific Publications of the Northwest Atlantic Fisheries Organization

# Journal of Northwest Atlantic Fishery Science

The Journal provides an international forum for the primary publication of original research papers on fisheries science in the Northwest Atlantic, with emphasis on environmental, biological, ecological and fishery aspects of the living marine resources and ecosystems.

- Miscellaneous papers (10), December 1980, 112 pp. Vol. 1 Vol. 2 - Miscellaneous papers (10), October 1981, 76 pp. Vol. 3, No. 1, 2 - Miscellaneous papers (17), May and December 1982, 180 pp. Special issue "Guide to the Early Stages of Marine Fishes Occurring in the Western North Vol. 4 Atlantic Ocean, Cape Hatteras to the Southern Scotian Shelf", July 1983, 424 pp. Vol. 5, No. 1, 2 - Miscellaneous papers, (26), January and November 1984, 224 pp. Vol. 6, No. 1, 2 - Miscellaneous papers, (17), June and December 1985, 179 pp. Vol. 7, No. 1, 2 - Miscellaneous papers, (18), December 1986 and December 1987, 177 pp. Vol. 8 - Miscellaneous papers, (7), December 1988, 88 pp. - Miscellanous papers, (13), September and December 1989, 159 pp. Vol. 9 Vol. 10 - Special issue "The Delimitation of Fishing Areas in the Northwest Atlantic", December 1990, 57 Vol. 11 - Miscellaneous papers, (7), February 1991, 80 pp. Vol. 12 - Miscellaneous papers, (7), January 1992, 84 pp. - Miscellaneous papers, (7), December 1992, 114 pp. Vol. 13 - Symposium papers (12), on "Changes in Biomass, Production and Species Composition of the Vol. 14 Fish Populations in the Northwest Atlantic over the Last 30 Years, and Their Possible Causes", December 1992, 160 pp. Vol. 15 - Special issue "Decapod Crustacean Larvae from Ungava Bay", December 1993, 170 pp. Vol. 16 - Miscellaneous papers (7), July 1994, 100 pp. Vol. 17 - Miscellaneous papers (6), October 1994, 78 pp. Vol. 18 - Miscellaneous papers (6) (1 Note), April 1996, 115 pp. Vol. 19 - Symposium papers (11), on "Gear Selectivity/Technical Interactions in Mixed Species Fisheries", September 1996, 145 pp. Vol. 20 - Special issue "North Atlantic Fishery Management Systems: A Comparison of Management Methods and Resource Trends", September 1996, 143 pp. - Miscellaneous papers (5), April 1997, 83 pp. Vol. 21

#### **NAFO Scientific Council Studies**

This secondary publication includes papers of topical interest and importance to the current and future activities of the Scientific Council.

- No. 1 Miscellaneous papers (11), March 1981, 101 pp.

  No. 2 Manual on Groundfish Surveys, December 1981, 56 pp.

  No. 3 Miscellaneous papers (8), April 1982, 82 pp.
- No. 4 Special Session papers (12), on Remote-Sensing Applications to Fishery Science, September 1982, 98 pp.
- No. 5 Symposium papers (12), on Environmental Conditions in 1970-79, December 1982, 114 pages
- No. 6 Miscellaneous papers (8), December 1983, 104 pp.
- No. 7 Miscellaneous papers (9), August 1984, 98 pp.
- No. 8 Miscellaneous papers (12), April 1985, 96 pp.
- No. 9 Special Session papers on Squids (17), November 1985, 180 pp.
- No. 10 Miscellaneous papers (9), August 1986, 112 pp.
- No. 11 Miscellaneous papers (11), March 1987, 127 pp.
- No. 12 Miscellaneous papers (8), March 1988, 90 pp.
- No. 13 Miscellaneous papers (5), November 1989, 82 pages
- No. 14 Miscellaneous papers (6), May 1990, 74 pp.
- No. 15 Miscellaneous papers (7), May 1991, 68 pp.

## **NAFO Scientific Council Studies (Continued)**

- No. 16 Special Session papers (22), on Management Under Uncertainties 5-7 September 1990, November 1991, 190 pp.
- No. 17 Workbook on Introduction to Sequential Population Analysis, February 1993, 98 pp.
- No. 18 Symposium papers (18), on Changes in Abundance and Biology of Cod Stocks and Their Possible Causes, July 1993, 110 pp.
- No. 19 Miscellaneous papers (8), October 1993, 98 pp.
- No. 20 Miscellaneous papers (7), February 1994, 114 pp.
- No. 21 Collections of Papers Related to Northern Cod and Seals in NAFO Divisions 2J and 3KL (10), December 1994, 165 pp.
- No. 22 Miscellaneous papers (6), May 1995, 95 pp.
- No. 23 Miscellaneous papers (5), September 1995, 95 pp.
- No. 24 Symposium papers (12), on Impact of Anomalous Oceanographic Conditions at the Beginning of the 1990s in the Northwest Atlantic on the Distribution and Behaviour of Marine Life, September 1994, 155 pp.
- No. 25 Collection of Papers Flemish Cap Selected Environmental and Other Papers (5), July 1996, 91 pp.
- No. 26 Selected Papers on Harp and Hooded Seals (11, 2 Notes), December 1996, 129 pp.
- No. 27 Miscellaneous papers (5, 1 Note), December 1996, 81 pp.
- No. 28 Special Session papers (6) on Assessment of Groundfish Stocks Based on Bottom Trawl Survey Results, December 1996, 105 pp.
- No. 29 Selected Studies Related to Assessment of Cod in NAFO Divisions 2J+3KL (11), May 1997, 125 pp.
- No. 30 Miscellaneous papers (9), December 1997, 117 pp.

# **NAFO Scientific Council Reports**

This publication contains reports of Scientific Council Meetings held throughout the year.

- 1980 Reports of seven meetings in 1979 and 1980, Published December 1980, 190 pp.
- 1981 Reports of four meetings in 1981, Published December 1981, 148 pp.
- 1982 Reports of two meetings in 1982, Published December 1982, 110 pp.
- 1983 Reports of three meetings in 1983, Published December 1983, 152 pp.
- 1984 Reports of three meetings in 1984, Published December 1984, 126 pp.
- 1985 Reports of three meetings in 1985, Published December 1985, 146 pp.
  1986 Reports of three meetings in 1986, Published December 1986, 156 pp.
- 1987 Reports of three meetings in 1987, Published December 1987, 138 pp.
- 1988 Reports of two meetings in 1988, Published December 1988, 150 pp.
- 1989 Reports of two meetings in 1989, Published December 1989, 180 pp.
- 1990 Reports of two meetings in 1990, Published December 1990, 188 pp.
- 1991 Reports of two meetings in 1991, Published December 1991, 164 pp.
- 1992 Reports of four meetings in 1992, Published December 1992, 212 pp.
- 1993 Reports of three meetings in 1993, Published January 1994, 234 pp.
   1994 Reports of four meetings in 1994, Published January 1995, 234 pp.
- 1995 Reports of three meetings in 1995, Published January 1996, 244 pp.
- 1996 Reports of three meetings in 1996, Published January 1997, 226 pp.

# **NAFO Statistical Bulletin**

This publication replaced ICNAF Statistical Bulletin which terminated with Vol. 28 (revised). The volume numbering continues the series.

- Vol. 29 Fishery statistics for 1979, Originally published July 1981; revised edition published November 1984, 290 pp.
- Vol. 30 Fishery statistics for 1980, Originally published August 1982; revised edition published October 1984, 280 pp.
- Vol. 31 Fishery statistics for 1981, Originally published September 1983; revised edition published March 1985, 276 pp.
- Vol. 32 Fishery statistics for 1982, Published December 1984, 284 pp.
- Vol. 33 Fishery statistics for 1983, Published December 1985, 280 pp.

# **NAFO Statistical Bulletin (Continued)**

Vol. 34	_	Fishery statistics for 1984, Published December 1986, 304 pp.
Vol. 35	_	Fishery statistics for 1985, Published December 1987, 322 pp.
Vol. 36	_	Fishery statistics for 1986, Published October 1989, 304 pp.
Vol. 37	_	Fishery statistics for 1987, Published April 1990, 295 pp.
Vol. 38	_	Fishery statistics for 1988, Published February 1991, 307 pp.
Vol. 39	_	Fishery statistics for 1989, Published February 1993, 300 pp.
Vol. 40	_	Fishery statistics for 1990, Published February 1994, 309 pp.
Vol. 41	_	Fishery statistics for 1991, Published February 1995, 318 pp.
	_	Statistical Bulletin Supplementary Issue, 1960-90, (statistics) Published April 1995, 156 pp.
Vol. 42	_	Fishery statistics for 1992, Published October 1995, 310 pp.
Vol. 43	_	Fishery statistics for 1993, Published December 1997, 329 pp.

## **NAFO** List of Fishing Vessels

This triennial publication replaced ICNAF List of Fishing Vessels which terminated with the 1977 list in April 1980.

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    1980 – List for 1980, Published March 1983, 48 pp.
    1983 – List for 1983, Published April 1985, 43 pp.
    1986 – List for 1986, Published July 1988, 48 pp.
    1989 – List for 1989, Published January 1992, 44 pp.
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# **Inventory of Sampling Data**

This publication replaced ICNAF Inventory of Sampling Data 1967-1978 which was completed in 1986.

Inventory of Sampling Data 1979–1984, Published April 1989, 250 pp. Inventory of Sampling Data 1985–1989, Published March 1993, 265 pp.

# **NAFO Index of Meeting Documents**

This publication contains lists of all documents along with a subject and author index of Scientific Council documents issued during a 5-year period.

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    1979-84 - Index of Meeting Documents, Published March 1985, 146 pp.
    1985-89 - Index of Meeting Documents, Published December 1990, 116 pp.
    1990-94 - Index of Meeting Documents, Published November 1995, 139 pp.
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A price list for these publications may be obtained upon request. Orders for current and back issues and standing orders for future issues should be forwarded to the Executive Secretary, Northwest Atlantic Fisheries Organization, P. O. Box 638, Dartmouth, Nova Scotia, Canada B2Y 3Y9. Please note, prepayment is required on all orders.

