

WOODS HOLE LABORATORY REFERENCE DOCUMENTS,  
1897-1981

Judith Brownlow and Susan Rockwell

<input checked="" type="checkbox"/> APPROVED FOR DISTRIBUTION
<i>BE</i>
(APPROVING OFFICIAL)
<i>1/19/83</i>
(DATE)

National Marine Fisheries Service  
Northeast Fisheries Center  
Woods Hole Laboratory  
Woods Hole, Massachusetts 02543

WOODS HOLE LABORATORY REFERENCE DOCUMENTS  
1897-1981

The Laboratory Reference Document series is the informal publication series of the Northeast Fisheries Center Woods Hole Laboratory and the same laboratory of the Service's predecessor agencies. Unpublished documents authored or compiled by an employee of the Woods Hole Laboratory worth preserving are given a Laboratory Reference Document number. Each Laboratory Reference Document number is in two parts, indicating first the year and second the order in which the numbers were assigned during the year.

The subject matter of Woods Hole Laboratory Reference Documents pertains to the Laboratory's research and monitoring of marine fisheries in the Northwest Atlantic Ocean. Also included in Laboratory Reference Documents are publications dealing with the scientific literature itself, such as bibliographies.

The editorial and content review process for a Laboratory Reference Document is the responsibility of a senior supervisor. This review varies from a cursory review due to the informal nature of the publication to an extremely rigorous peer review of scientific content if the document is to be used as part of the scientific advice procedure for fisheries management. A list of recent Laboratory Reference Documents is compiled quarterly or bi-annually by the Library and circulated to interested scientists, state agencies, universities, and consulting firms. Initial document circulation is the responsibility of the author and supervisors. Circulation and distribution of these documents is later assumed by the Library.

The older documents in this list of Woods Hole Laboratory Reference Documents were found in storage at the Northeast Fisheries Center's warehouse by Librarian J. Brownlow. These documents were compared to the card file recording older documents kept in the Director's office. Documents which were missing were replaced. Documents were carefully reviewed, put in order, listed, and sent for binding. Two bound sets of 36 volumes each were prepared and are now housed in the Northeast Fisheries Center's Woods Hole Laboratory's Resource Assessment Division and Library. One minor document is now missing out of the whole series.

Library  
National Marine Fisheries Service  
Northeast Fisheries Center  
Woods Hole, Mass. 02543  
List of Laboratory Reference Documents  
1897 to present

<u>Lab. Ref. Doc. #</u>	<u>Title</u>	<u>Author(s)</u>
97-01	St. Croix River System. Report of U.S. Commission of Fish & Fisheries.	Brice, John J.
29-01	Key to New England porpoises.	Kellogg, Remington
30-01	Investigation of the mortality of salmon in the river St. Croix, Oct. 1930. Pathological Biol. Bd. of Canada	M'Gonigle, R. H.
30-02	Report of a racial study of mackerel during the academic year 1928-29 at Harvard Univ.	Bailey, Edward W.
38-01	An estimate of hurricane damage sustained by commercial and sport fishermen in the Long Island area.	Neville, Wm. C.
38-02	An estimate of damage sustained by commercial fishermen in Southern New England during the hurricane and so-called tidal wave of September 21, 1938.	Lobell, Milton J.
39-01	Report on the salmon meeting at Bangor, Me.	Herrington & Rounsefell
39-02	What about Atlantic salmon?	Herrington, W. C. & G. A. Rounsefell
39-03	Tentative program for restoration of salmon in New England waters.	Herrington, W. C. & G. A. Rounsefell
39-04	Salmon Conference.	Anonymous
40-01	Maine fisheries questionnaire.	Ackerman, Edward A.

40-02	The New England salmon problem.	Excerpt from speech to members of New England Game Conference 3/30/40
40-03	Salmon restoration in New England.	Herrington, W. C. & G. A. Rounsefell
40-04	Reconnaissance of Mashpee River in regard to suitability for salmon.	Rounsefell, G. A.
40-05	Statistical Survey (Fisheries Surveys of Maine by county).	Lindgren, B. E.
41-01	The proposed study of the salmon of the Penobscot River.	Pratt, Virgil S.
41-02	Status of the Pemaquid River salmon experiments.	Rounsefell, George A.
41-03	Selection of a river in Maine for experiments in stocking and management practices on Atlantic salmon.	Rounsefell, George A.
41-04	Preliminary examination of the Pawcatuck and Palmer (Warren) rivers to determine feasibility of establishing salmon runs.	Rounsefell, George A.
41-05	Agreement between Dept. of Inland Fisheries & Game of the State of Maine. The Dept. of Sea and Shore Fisheries of the State of Maine and the FWS of the U.S. D.I. concerning cooperation in the restoration of sea run salmon.	Agreement, signed 10/41
41-06	Status of salmon work in the North Atlantic Section.	Anonymous
41-07	Creel census methods for estimating the size of fish populations.	Mottley, Charles M.

42-01	The Atlantic salmon in the Dennys River.	Goodwin, Harry Allan
42-02	Sawmill pollution on the St. Georges River.	Rounsefell, G. A.
42-03	General program for salmon restoration and management.	Rounsefell, G. A.
42-04	The length-weight relationship of redfish as landed at Gloucester - June 15-July 17, 1942	Report
42-05	Allocation of responsibility for the hatching, rearing, and planting of sea-run salmon for Maine waters.	Report-Summary Anon.
43-01	Report of Salmon Research Committee, March 23, 1943.	Cooper, Gerald P., Lester A. Stubbs, and George A. Rounsefell
43-02	Second report of the Salmon Research Committee, Oct. 22, 1943.	Stubbs, Cooper, Rounsefell
43-03	Fish distribution in Boston.	Anonymous
44-01	Report of the Atlantic salmon eggs from Miramichi River, New Brunswick.	Stringer, L. D.
44-02	Production and distribution of fish at Gloucester, Boston, and New Bedford.	Anonymous
45-01	Abstract of a report to Special Maine Salmon Commission, Augusta, Me., Sept. 13, 1945.	Herrington, Wm. C.
45-02	Atlantic salmon ( <u>Salmo salar</u> ).	Stringer, L. D.
45-03	Report on the inspection of several salmon streams in Maine.	Stringer, Louis D.
45-04	Fish distribution New Bedford.	

45-05	Memorandum of understanding between BCF and State of Maine.	
45-06	Summary of recommendations made by salmon research committee at its first six meetings (1942 to 1945, inclusive).	Anonymous
46-01	The New England salmon restoration program.	Herrington, Wm. C.
46-02	Measures needed to assist the restoration of salmon in Maine.	Herrington, Wm. C.
46-03	The distribution of the winter flounder and its bearing on management possibilities.	Perlmutter, Alfred
46-04	A method of estimating the numbers of small fish fry.	Royce, William F.
46-05	Determining the effectiveness of blackback stocking.	Royce, William F.
46-06	Salmon. (Summaries for the meeting of the ASMFC Sept. 1946.)	Anonymous
46-07	A study of the primary wholesale distribution of fish in Massachusetts ports under price ceilings.	Royce, Wm. F. & Wm. C. Herrington
47-01	Maine's inshore fishing industry - present status and possible readjustments.	Ackerman, Edw. A.
47-02	Maine's inshore fishing industry - present status and possible readjustments.	Ackerman, Edw. A.
47-03	A program of research to be conducted with <u>Albatross III</u> .	Royce, William F.
47-04	Haddock data summaries.	Schuck, Howard A.
47-05	Division of Fishery Biology, Washington, D.C., January 27-31.	Conference

47-06	Analysis of factors controlling the productivity of the Maine lobster fishery.	Herrington, W. C.
48-01	The conservation of the New England otter trawl fisheries.	Royce, William F.
48-02	Outline of a proposed investigation of the effect of the disposal of waste sulphuric acid on the population of larger bottom animals.	Royce, Wm. F.
48-03	1. Analysis of herring data collected on the <u>Albatross III</u> , 1948. 2. The North Atlantic herring fishery, 1949.	Tiller, Richard E. Scattergood, Leslie W.
48-04	Reprint from New York World-Telegram Sept. 21. Hooks and Bullets "Acid Dumping Not Perilous to Fish".	Trullinger, Ray
48-05	Reprint from New York World-Telegram Hooks and Bullets "Some Straight Talk on Pollution Debate".	Trullinger, Ray
48-06	The pollution problem in the waters of the inner Atlantic Bight.	Westman, J. R.
48-07	Fishing Masters Association Official Year Book.	Anonymous
48-08	Redfish: length-fillet data.	Anonymous
48-09	A survey of the sports fishery of the Middle Atlantic Bight in offshore sport fish.	Anonymous
48-10	An attempt to nourish an eroded beach by the dumping of dredged materials and its effect upon marine life.	Buller, Raymond J.

48-11	The effect of lamprey attacks upon lake trout in Seneca Lake, New York.	Royce, William F.
48-12	Sea-run salmon investigations conducted by the FWS, 1941-1947.	Stringer, Louis D.
49-01	Studies of offshore pollution: A survey of the sports fishery of the Middle Atlantic Bight.	Buller, R. J. & Harlan Spear
49-02	Clam investigations - "A paper prepared for the Annual Meeting of the National Shellfisheries Assoc., Old Point Comfort, Virginia.	Glud, John B.
49-03	Analysis of data concerning effect of various factors upon the time required for death of 90% of population.	Schuck, H. A.
49-04	Woods Hole, Mass. center of Marine Science.	Royce, William F.
49-05	The offshore sport fishery on the New England Bight.	Anonymous
49-06	Summary report on herring fishery.	Herring Report
50-01	Creating a new bottom fishing area off Long Beach, N.Y., and the offshore sport fishery in the New York Bight in 1949. Anon.	Angstman, S. E.
50-02	The winter sport fishery in the New York Bight 1949-1950.	Angstman, S. E.
50-03	Fishery survey of southern coastal waters.	Buller, Raymond J.
50-04	Conservation in the future of New Bedford fishing industry.	Royce, William F.

50-05	The breeding habits of lake trout ( <u>Christivomer namaycush</u> ) in New York.	Royce, William F.
50-06	Recommendations for minimum size limits of certain fishes.	Royce, W. F., & H. A. Schuck
51-01	Echo-sounding experiments conducted aboard the <u>Albatross III</u> .	Miles, Ernest Lee
52-01	A regulation to increase the yield of the New England haddock fishery.	Graham, Herbert W.
52-02	Redfish production has climbed steadily.	Kelly, George F.
52-03	The gear used in the scallop fishery: some statistics on the sea scallop fishery.	Royce, William F.
52-04	The stocks and migrations of the yellowtail flounders.	Royce, William F. & Raymond J. Buller
52-05	The haddock prediction for 1952.	Schuck, Howard A.
52-06	Haddock catch to decrease on Georges Bank in 1952.	Schuck, Howard A.
52-07	Yellowtail - Trash Report, Tables & Publications	
53-01	Analysis of Catches - 1953	Anonymous
53-02	Destruction of undersized haddock on Nova Scotia banks by U.S. vessels in 1952 and summary of 1953 sea sampling trips.	Anonymous
53-03	Bibliography -North Atlantic Fishery Investigations - 1951 and 1952.	Anonymous
53-04	Bibliography of Publications.	Scattergood, Leslie

54-01	Preliminary report on the escape of whiting through trawl meshes.	Clark, J. P.
54-02	Report - Stomach sampling trip.	Jensen, Albert C.
54-03	Supplemental report, "Survey of the ocean fisheries off Delaware Bay."	Reintjes, J. W.
54-04	Some landings records pertinent to the haddock mesh regulation.	Anonymous
55-01	The maintenance of immature sea herring in captivity.	Farrin, Alva E., Leslie W. Scattergood, & Carl J. Sindermann
55-02	Age determination of whiting.	Jensen, Albert C.
55-03	Fishery management: effects of intensity and kind of exploitation on the resource.	Taylor, Clyde C.
55-04	Fishery management: relationship of the resource to other species being exploited simultaneously.	Graham, Herbert W.
55-05	Measurement and certification of otter trawl cod ends.	Hoy, D. L.
56-01	Summary and analysis of the northern New England otter trawl fishery for haddock, 1955.	Reintjes, John
56-02	A new tagging technique using Atkins tags.	Conover, J. T.
57-01	U.S. landings from ICNAF Subarea 3 -- 1947-57.	Anonymous
58-01	A key to some of the more common larval fishes of the Gulf of Maine.	Miller, David
58-02	Scuba diving and starfish control.	Jensen, Albert C. & John P. Wise

58-03	Concentration of fishing vessels on the Grand Bank (Newfoundland).	Staff, Woods Hole
58-04	Underwater photography of raft culture of oysters.	Jensen, Albert C.
58-05	A study of two populations of <u>Merluccius bilinearis</u> (Mitchill) by the use of the DeLury regression method of estimating of population total. (Thesis)	Oberacker, Donald P.
59-01	Spiny dogfish tagging on the Atlantic and Pacific coasts: a review.	Hoberman, John
59-02	Whiting report.	Fritz, Raymond L.
60-01	Summary of tagging operations, July 1, 1959 through June 30, 1960.	Cogswell, Sterling L.
60-02	The destruction of pre-recruit haddock on inshore nursery grounds.	Edwards, Robert L. and John B. Skerry
60-03	Report - Cruise Schedules and Cruise Records.	Nickerson, S. R.
60-04	An investigation into the probable destruction of small haddock by whiting fleet and exempted vessels.	Skerry, John B.
60-05	Inshore dragging: otter trawling within the territorial waters of the Atlantic coastal states.	Anonymous
61-01	Report of Woods Hole yellowtail studies.	Lux, Fred E.
61-02	Evidence of diurnal vertical migrations of hakes.	Edwards, R. L. and R. Livingstone, Jr.

61-03	Spring water temperatures and fishing log, Block Island to Cape Hatteras - <u>Delaware</u> Cruise No. 60-7, 11-21 May 1960.	Merrill, Arthur S. and Robert L. Edwards
61-04	Phytoplankton analyses of data collected on <u>Albatross III</u> Cruise 48, 24 April-8 May 1953.	Brown, Charles L., Jr.
61-05	Age and growth studies of cod collected in summer of 1961.	Hoberman, John M.
61-06	Report of the circulation and fisheries in New York Harbor.	Edwards, Robert L.
61-07	The spiny dogfish - A review.	Jensen, Albert C., Robert L. Edwards, and George C. Matthiessen
61-08	A review of whiting research.	Fritz, Raymond L.
61-09	Twenty years of progress in federal fishery work, etc., for ASMFC meeting.	Graham, Dr. H. W.
61-10	Serological studies of scallop blood.	Frair, Wayne
61-11	Tagging bulletin - December 14, 1961, fluke tagging, scup (porgy) tagging.	Cogswell, Sterling L.
61-12	Summary of tagging operations, July 1, 1960 through June 30, 1961.	Cogswell, Sterling L.
62-01	United States research in the convention area during 1961.	Graham, Herbert W.
62-02	Status of fish tagging and tagging techniques for the period 1957 through 1961.	Cogswell, Sterling L.
62-03	Haddock management problems.	Distributed to Bureau representatives at ICNAF Industry Advisory Committee meeting April 18, 1962.

62-04	Weight of head and digestive tract contents and remarks on feeding habits for certain species of industrial fish.	Staff, Woods Hole
62-05	Definition of haddock stocks based on vertebral numbers.	Colton, John B., Jr.
62-06	A history of oceanography in the waters of the continental shelf from Cape Sable to Cape Hatteras. I. The Gulf of Maine.	Colton, John B., Jr.
62-07	Survival of confined haddock and cod.	Jensen, Albert C.
62-08	Present state of our knowledge and ignorance concerning the oceanography of the Gulf of Maine.	Colton, John B., Jr.
62-09	A new research program on the blackback flounder - prepared by Dr. Geo. C. Matthiessen, William Fitzpatrick, Fred Lux, and Frederick C. Wilbour.	Lux, Fred E.
62-10	Summary of tagging operations July 1, 1961 through June 30, 1962.	Cogswell, Sterling L.
62-11	The distribution and abundance of haddock eggs, larvae, and juveniles in the Gulf of Maine -Georges Bank area in relation to year class strength fluctuations of Georges Bank haddock.	Colton, John B., Jr.
62-12	Are the small haddock of Subarea 5 adequately protected?	St. Andrews Meeting Paper, 3-6 December 1962
62-13	Analysis of commercial landings of haddock caught off southern Nova Scotia by U.S. and Canadian fisheries: 1957-1961 - A preliminary report.	Hennemuth, R. C. and M. D. Grosslein

63-01	Tagging and tag recovery data for yellowtail flounder tagged in 1955, 1957, and 1959.	Lux, Fred E. and L. R. Porter, Jr.
63-02	A summary of the literature on escapement of fish through different parts of an otter trawl.	Brown, Bradford
63-03	Movements of tagged fluke in the upper Middle Atlantic Bight.	Lux, Fred E.
63-04	The Georges Bank sea scallop fishery: status in Spring of 1963 and consideration of management measures.	Posgay, J. A.
63-05	Should mesh regulation in Subarea 5 be extended to species other than cod and haddock?	Graham, H. W.
63-06	Special progress report on foreign fishing program at Biological Laboratory, Woods Hole.	Graham, H. W., and R. L. Edwards
63-07	Length-weight relationships of yellowtail flounder, blackback flounder, and fluke.	Lux, Fred E., & L. R. Porter, Jr.
63-08	Silver and red hakes (squirrel hake or ling, P.S.G.)	Domanevsky, L. N., and You P. Nozdrin
64-01	Further consideration of groundfish minimum mesh size.	Graham, H. W.
64-02	Analysis of haddock landings by type of certification 1962-1963.	Graham, H. W.
64-03	Summary of tagging operations, July 1, 1962 through June 30, 1964.	Cogswell, Sterling L.

64-04	Notes on some of the more common larval fishes of the Gulf of Maine.	Miller, David
64-05	Comparison of effects of exemptions for regulated species separately and for regulated species combined <u>1963</u> .	Hennemuth, Richard C.
64-06	A brief history of the New England fisheries.	Jensen, Albert C.
65-01	Environmental observations on continental shelf, Nova Scotia to Long Island, September 1964 <u>Albatross IV</u> Cruise 64-11.	Colton, John B. Jr., Robert R. Marak, and Samuel R. Nickerson
65-02	Report on redfish abundance.	Brown, Bradford E. & Richard C. Hennemuth
65-03	Standard operating procedure for handling of tag returns.	Cogswell, Sterling L.
65-04	Conservation of the Georges Bank sea scallop fishery.	Graham, Herbert W. & Julius A. Posgay
65-05	ICNAF Document 1964 United States report of redfish effort and landings by depth zone for 1964.	Brown, Bradford E. & Frank A. Dreyer
65-06	Silver hake selectivity experiments conducted in 1964.	Jensen, Albert C. & Richard C. Hennemuth
65-07	United States Research Report 1964.	Graham, Herbert W.
65-08	Conversion factors used by the United States in submitting statistics to ICNAF.	Brown, Bradford E.
65-09	The weight-length ratio of Georges Bank sea scallops.	Posgay, J. A. and E. B. Haynes

- |       |  |   |
|-------|--|---|
| 65-10 | United States report on methods of estimating discards in 1964.  | Brown, Bradford E.  |
| 65-11 | Size selection and retainment of silver and red hake in nylon codends of trawl nets.   | Jensen, Albert C. and Richard C. Hennemuth                    |
| 65-12 | Environmental observations on continental shelf, Nova Scotia to Long Island, December 1964, <u>Albatross IV</u> Cruise 64-14.  | Colton, John B. Jr., Robert R. Marak, and Samuel R. Nickerson |
| 65-13 | The United States report on the operation of the 10 percent annual exemption to the mesh regulation, 1964.                     | Dreyer, Frank A.  |
| 65-14 | Conversion of the Simrad Asdic #580 for use with the Alden 419 precision graphic recorder.                                     | Crossen, James M. and Patrick J. Twohig                       |
| 65-15 | Environmental observations on continental shelf, Nova Scotia to Long Island, March 1965, <u>Albatross IV</u> Cruise 65-3.      | Colton, John B., Robert R. Marak, and Samuel R. Nickerson     |
| 65-16 | Environmental observations on continental shelf, Nova Scotia to Long Island, May-June 1965, <u>Albatross IV</u> Cruise 65-7.   | Colton, John B., Robert R. Marak, and Samuel R. Nickerson     |
| 65-17 | Potential offshore fishery resources of the Northwest Atlantic.  | Anonymous<br>(Text written by Dr. H. W. Graham)               |
| 65-18 | Development and operation of a tagging unit in a Marine Biological Laboratory.   | Cogswell, Sterling L.   |
| 65-19 | Environmental observations on continental shelf, Nova Scotia to Long Island, September 1965, <u>Albatross IV</u> Cruise 65-12. | Colton, John B., R. R. Marak, and S. R. Nickerson             |

66-01	Environmental observations on continental shelf, Nova Scotia to Long Island, December 1965, <u>Albatross IV</u> Cruise 65-15.	Colton, John B., Robert R. Marak, and Samuel R. Nickerson
66-02	Length-weight relation of haddock collected from commercial landings in New England.	Brown, Bradford E.
66-03	United States report to ICNAF on status of the fisheries and research conducted in CY 1965.	Graham, Herbert W.
66-04	The United States report on the operation of the 10% annual exemption to the mesh regulation, 1965.	Dreyer, Frank A.
66-05	Data relative to the status of the New England yellowtail flounder fishery.	Lux, Fred E.
66-06	Environmental observations on continental shelf, Nova Scotia to Long Island, March 1966, <u>Albatross IV</u> Cruise 66-2.	Colton, John B., Robert R. Marak, and Samuel R. Nickerson
66-07	Environmental observations on continental shelf, Nova Scotia to Long Island, May-June 1966, <u>Albatross IV</u> Cruise 66-7.	Colton, John B., Robert R. Marak, Samuel R. Nickerson, and Ruth R. Stoddard
66-08	Environmental observations on continental shelf, Nova Scotia to Long Island, September 1966, <u>Albatross IV</u> Cruise 66-12.	Colton, John B., Robert R. Marak, Samuel R. Nickerson, and Ruth R. Stoddard
67-01	Aquarium visitor parking - Woods Hole.	Stern, Herbert
67-02	Growth rates of yellowtail flounder, <u>Limanda ferruginea</u> , on three fishing grounds in Subarea 5.	Lux, Fred E.

67-03	Landings per unit of effort, age composition, and total mortality of yellowtail flounder ( <u>Limanda ferruginea</u> ) in Subarea 5Z.	Lux, Fred E.
67-04	Station data for benthos sampling cruises from 1956 to 1965.	Burns, Bruce R., and Roger B. Theroux
67-05	Annual and 4th quarter stock catalogue groundfish and sea scallops fished by New England fleet.	Schultz, Ronnee L. and F. A. Dreyer
67-06	Recent trends in the Atlantic sea scallop fishery.	Posgay, J. A.
67-07	First quarter stock catalogue - groundfish and sea scallops fished by New England fleets.	Schultz, R. L., and F. A. Dreyer
67-08	A preliminary report on the joint USSR-USA groundfish survey from Cape Hatteras to Cape Cod.	Grosslein, M. D.
67-09	Second quarter stock catalogue - groundfish and sea scallops fished by New England fleet.	Schultz, R. L., and F. A. Dreyer
67-10	Third quarter stock catalogue - groundfish and sea scallops fished by New England fleets.	Schultz, R. L., and F. A. Dreyer
68-01	Annual and 4th quarter stock catalogue - groundfish and sea scallops fished by New England fleets.	Schultz, R. L., and F. A. Dreyer
68-02	Squid catches on three cruises of <u>Albatross IV</u> : Cruise 63-5, July-August 1963; Cruise 63-7, November-December 1963; Cruise 64-1, January-February 1964.	Murray, H. E., and R. L. Wigley

68-03	First quarter stock catalog - groundfish and sea scallops fished by New England fleets.	Schultz, R. L., and F. A. Dreyer
68-04	The effects of large meshes on the catch and landings of yellowtail flounder in Subarea 5.	Hennemuth, R. C.
68-05	Second quarter - groundfish and sea scallops fished by New England fleets.	Schultz, R. L., and F. A. Dreyer
68-06	Fishery resources of the North Atlantic area for presentation at the Conference on the Future of the U.S. Fishing Industry, Seattle, WA, March 24-27, 1968.	Edwards, R. L.
69-01	Third quarter - groundfish and sea scallops fished by New England fleets.	Schultz, R. L., and F. A. Dreyer
69-02	Groundfish survey methods.	Grosslein, M. D.
69-05	Fourth quarter - groundfish and sea scallops fished by New England fleets.	Schultz, R. L., and F. A. Dreyer
69-06	First quarter stock catalog 1969 - groundfish and sea scallops fished by New England fleets.	Schultz, R. L., and F. A. Dreyer
69-07	The New England yellowtail flounder.	Lux, Fred E.
69-08	Trend of the Atlantic coast sea scallop fishery 1951-1968.	Posgay, J. A.
69-09	Guide for identifying the common planktonic fish eggs and larvae of continental shelf waters, Cape Sable to Block Island.	Colton, John B., Jr., and Robert R. Marak
69-10	Second quarter stock catalog 1969 - groundfish and sea scallops fished by New England fleets.	Schultz, R. L., and F. A. Dreyer

70-01	Groundfish and sea scallops fished by New England fleets - third quarter stock catalog 1969.	Stern, H., Jr. and F. A. Dreyer
70-02	Stock catalogue, fourth quarter - groundfish and sea scallops fished by New England fleets.	Stern, H., Jr. and F. A. Dreyer
70-03	Mysid data reports.	Burns and Wigley
70-04	Spawning stock and other factors related to recruitment of haddock on Georges Bank.	Grosslein, M. D., and R. C. Hennemuth
70-05	Laboratory mission and organization (The).	National Marine Fisheries Service, Woods Hole Biological Laboratory (Dr. H. W. Graham)
70-06	Increase in mesh size and quarterly quotas for the yellowtail flounder fishery.	Brown, Bradford E.
70-07	Status of the International Fisheries off the Middle Atlantic coast. Prepared for the US-USSR Bilateral Negotiations 11/30-12/11/70.	Richard C. Hennemuth
70-08	Yellowtail flounder quota public hearing, New Bedford, Massachusetts.	Brown, B. E., and R. C. Hennemuth
71-01	Some observations on accuracy of abundance indices derived from research vessel surveys. Prepared for the ICNAF Working Group on Coordinated Groundfish Surveys - Charlottenlund, Denmark.	Grosslein, M. D.
71-01(a)	Stock catalog of the New England fisheries-first quarter 1970.	Stern, H., Jr., and F. A. Dreyer
71-03	Stock catalogue of the New England fisheries, second quarter, 1970.	Stern, H., Jr., and F. A. Dreyer

71-04	Stock catalogue of the New England fisheries, third quarter, 1970.	Stern, H., Jr., and F. A. Dreyer
71-05	Stock catalogue of the New England fisheries, fourth quarter, 1970.	Stern, H., Jr., and F. A. Dreyer
71-06	Serial holdings of the National Marine Fisheries Service Library	Woods Hole, Massachusetts
71-07	Stock catalogue of the New England fisheries, first quarter, 1971.	Stern, H., Jr., and F. A. Dreyer
72-01	Third quarter 1971 stock catalog of the New England fisheries.	Stern, H., Jr., and F. A. Dreyer
72-02	Report on 1971 Chesapeake Bay herring fishery.	Stern, Herbert Jr.
72-03	Review of the current status of the Georges Bank scallop fishery.	Brown, Bradford E.
72-04	Annotated bibliographic list of EF & GR personnel publications on fishing operations, methods, techniques, and gear 1954-1971.	Bibliography of Fishing Gear and Fishing Operations
72-05	Shipboard procedures for decreasing lobster mortality.	Smolowitz, Ronald J.
72-06	Annotated bibliographic list of EF&GR personnel publications on fishing operations, methods, techniques and gear - 1954-1971.	
72-07	Fourth quarter 1971 stock catalog of the New England fisheries.	Stern, H., Jr., M. Parrack, and F. Dreyer
72-08	Stock catalogue of the New England fisheries, fourth quarter, 1971.	Stern, Herbert, Jr., and F. A. Dreyer

72-09	Review of fish stock status on fishing grounds of the northeastern United States (ICNAF Subareas 5 & 6).	Brown, Bradford E. and Herbert Stern, Jr.
73-01	Stock catalogue of the New England fisheries, third quarter, 1972.	Stern, H., Jr., and F. A. Dreyer
73-02	Status of the International Fisheries off the Middle Atlantic coast - a technical reference document prepared for the US-USSR bilateral negotiations, 29 Jan. - 3 Feb. 1973 - Moscow.	ICNAF Document
73-03	Aspects of the distribution and abundance of the long-finned squid, <u>Loligo pealei</u> , between Cape Hatteras and Georges Bank.	Serchuk, F. M. and W. F. Rathjen
73-04	Status of Intl. Fish. off the Mid-Atlantic coast - a technical reference document prepared for the US-USSR bilateral negotiations 29 Jan.-3 Feb. 1973, Moscow.	
73-05	Stock catalogue of the New England fisheries, fourth quarter and annual, 1972.	Stern, H., Jr., and F. Dreyer
73-06	Stock catalogue of the NE fisheries, first quarter, 1973.	Stern, Herbert Jr.
73-07	Stock catalogue of the New England Fisheries, second quarter, 1973.	Mayo, Ralph
73-08	Stock catalogue of the New England fisheries, third quarter, 1973.	Mayo, Ralph K.
73-09	Stock catalogue of the New England fisheries, fourth quarter and annual, 1973.	Mayo, Ralph K.

- |       |   |   |
|-------|---|---|
| 74-01 | Status of the international fisheries under ICNAF management.   |   |
| 74-02 | Size composition of deep sea red crabs, <u>Geryon quinque-dens</u> , caught on R/V <u>Albatross IV</u> Cruises 74-6 and 74-7. | Murray, Harriett E.                     |
| 74-03 | Stock catalogue of the U.S. Northwest Atlantic fisheries, first quarter 1974.   | Mayo, Ralph K., and Eugene G. Heyerdahl |
| 74-04 | Stock catalogue of the US Northwest Atlantic fisheries, second quarter 1974.  | Mayo, Ralph K., and Eugene G. Heyerdahl |
| 74-05 | Third quarter stock catalogue of the US Northwest Atlantic fisheries.   | Mayo, Ralph K., and Eugene G. Heyerdahl |
| 75-01 | Food habits of Atlantic cod, haddock, and silver hake in the Northwest Atlantic, 1969-1972.                                   | Bowman, Ray E.                          |
| 75-02 | Fourth quarter stock catalogue of the U.S. Northwest Atlantic.  | Mayo, Ralph K., and Eugene G. Heyerdahl |
| 75-03 | Food habits of marine fishes of the Northwest Atlantic-data report.   | Maurer, Raymond O. and Ray E. Bowman    |
| 75-04 | A current assessment of northern shrimp in the Gulf of Maine.   | Clark, Stephen H.                       |
| 75-05 | Compendium of haddock regulations affecting ICNAF Subareas 4 and 5, 1972-1976.  | Clark, Stephen H.                       |
| 75-06 | Synopsis of status of key species in the Southern New England - Middle Atlantic area.   | Heyerdahl, E. G.                        |
| 75-07 | Notes on biological components required for development of a management system in the Northwest Atlantic.                     | Brown, B. E.                            |

75-08	Recovery time of fish stocks in ICNAF Subarea 5 and Statistical Area 6 to the MSY biomass level.	Anderson, E. D.
75-09	Fish distribution on Georges Bank and in the Gulf of Maine in relation to lateral and alternate lines of demarcation between the United States and Canada.	Anderson, E. D.
75-10	Notes on river herring status (material prepared for USA -Romanian negotiations, November 19-21, 1975).	Brown, Bradford E.
75-11	The effect of fishing on the marine finfish biomass in the NW Atlantic from the Gulf of Maine to Cape Hatteras.	Brown, Bradford E.
76-01	Synopsis of status of key species in the Southern New England-Middle Atlantic area.	Heyerdahl, Eugene G.
76-02	Compendium of haddock regulations affecting ICNAF Subareas 4 and 5, 1972-1976.	Clark, Stephen H.
76-03	Environmental Impact Report 1-76. Impact of autumn-winter swarming of Siphonophore ("Lipo") on fishing in coastal waters of New England.	Rogers, Carolyn A.
76-04	Computer programs for fish stock assessment.	Clark, Stephen H., Otis Jackson, and Michael Sissenwine
76-05	Estimates of maximum sustainable yield of fish stocks in ICNAF Subarea 5 and Statistical Area 6.	Anderson, E. D.

76-06	Notes on distributions of lobsters from selected bottom trawl survey cruises.	Burns, T. S.
76-07	Shrimp sea sampling program.	Brennan, J. A.
76-08	Sampler and behavior-related variation in the catch of larval herring.	Colton, John B., Jr., and John R. Green
76-09	Environmental Impact Report 2-76. Reduction in abundance of Siphonophores on New England fishing grounds in Spring 1-76.	Rogers, Carolyn A.
76-10	Stomach contents of 29 fish species from five regions in the Northwest Atlantic -data report.	Bowman, R. E., R. O. Maurer, and J. A. Murphy
76-11	Brief historical synopsis of certain NE U.S. fisheries.	Smith, Keith A., and Fred L. Olson
76-12	Distribution of selected fish species and status of major fisheries in the Northwest Atlantic.	Grosslein, M. D., and S. H. Clark
76-13	A synopsis of groundfish survey cruises (ALB III, DEL I) 1948-1962.	Montiero, E.
76-14	Research vessel cruises, 1963-1975, National Marine Fisheries Service, Woods Hole, Massachusetts.	Flescher, Donald
76-15	Trophic interactions of oceanic coho salmon introduced into New England estuaries.	Ackerman, Bruce B., Michael P. Sissenwine, and Louise Roslansky

76-16	Suggestions of species to be considered by the New England and Middle Atlantic Councils for management from catch and distributional data in ICNAF Subareas 5 and 6.	Resource Assessment Division
76-17	Assessment information for stocks in ICNAF Subarea 5 and Statistical Area 6 not considered in preliminary management plans.	Clark, Stephen H.
77-01	Seasonal food habits of the demersal fish in the Northwest Atlantic--1972.	Bowman, R. E.
77-02	Strandings of shortfin squid, <u>Illex illecebrosus</u> , in Cape Cod Bay in Fall, 1976.	Lux, F. E. J. R. Uzmam, and H. F. Lind
77-03	Bottom sediments from the ARGO MERCHANT oil spill region.	Wigley, R. L.
77-04	The food habits of sixteen species of fish collected in the region of the ARGO MERCHANT oil spill.	Langton, R. W., and R. E. Bowman
77-05	Estimation of additional by-catch of countries under reallocation of the 1977 squid quota.	Palmer, J. E.
77-06	An assessment of the northern shrimp resource of the Gulf of Maine.	Clark, S., and V. Anthony
77-07	A review of methods used for estimating gut evacuation rates and calculating daily ration for fish.	Langton, R. W.
77-08	Review of status of surf clam populations in the Middle Atlantic.	Brown, B. E.

77-09	Research vessel cruises, 1948-1962, National Marine Fisheries Service, Woods Hole, Massachusetts.	Flescher, D.
77-10	Assessment of the Northwest Atlantic mackerel stock.	Anderson, E. D.
77-11	Summary of stock assessments, June 1977.	Resource Assessment Division
77-12	Yield-per-recruit analysis of surf clams in the Middle Atlantic Bight.	Murawski, S. A.
77-13	Assessment of the haddock stocks in the Gulf of Maine-Georges Bank area.	Clark, S. H., and J. E. Palmer
77-14	Some implications of yield-per-recruit management for Georges Bank scallops.	Brown, B. E., and S. H. Clark
77-15	Zooplankton composition, abundance and distribution on Georges Bank during February 1975 and 1976.	Dube, G. P., R. G. Lough, and R. E. Cohen
77-16	June 1977 assessments of herring from the Gulf of Maine and Georges Bank area.	Anthony, V. C.
77-17	An abridged account of predator-prey interactions for some Northwest Atlantic species of fish and squid.	Langton, R. W., R. E. Bowman
77-18	Food habits of fish and squid found in the vicinity of the ARGO MERCHANT oil spill, August 1977.	Bowman, R.
77-19	Historical description of the NEFC Statistical area data base.	Mayo, R.

77-20	Prediction and assessment of the by-catch of cod taken during September-December 1977 from the Gulf of Maine and Georges Bank cod stocks.	Serchuk, F. M., S. H. Clark
77-21	Assessment of the Georges Bank silver hake stock.	Anderson, E. D.
77-22	Assessment of ocean quahog ( <u>Arctica islandica</u> ) resources in the Northwest Atlantic, September 1977.	Serchuk, F. M.
77-23	Assessment of red crab ( <u>Geryon quinque</u> <u>dens</u> ) populations in the Northwest Atlantic, September 1977.	Serchuk, F.
77-24	Analysis of the Georges Bank and Gulf of Maine cod stocks.	Serchuk, F., P. Wood, S. Clark, & B. Brown
77-25	Cruise results and observations during the 1977 cooperative USA-Japanese summer squid survey.	Bowman, E. W., Ralph Mayo
77-26	Preliminary assessment of weakfish in the Middle Atlantic Bight.	Murawski, S. A.
77-27	Comparison of Mid-Atlantic sea scallop length-frequency distributions between 1975 and 1977 as determined from research vessel surveys and commercial landings.	Serchuk, F. M., P. Wood, B. E. Brown
77-28	<u>Loligo pealei</u> stock status: November 1977.	Lange, A. M. T., M. P. Sissenwine
77-29	An assessment of the butterfish, <u>Peprilus triacanthus</u> (Peck) off the northwestern Atlantic coast.	Murawski, S. A., G. T. Waring
77-30	Assessment of the Southern New England-Middle Atlantic silver hake stock.	Anderson, E. D., F. P. Almeida

78-01	Assessment of the Georges Bank red hake stock.	Anderson, E. D., F. P. Almeida
78-02	Yellowtail flounder ( <u>Limanda ferruginea</u> ): status of the stocks, January 1978.	Sissenwine, M. P., B. E. Brown, and M. McBride
78-03	Atlantic cod ( <u>Gadus morhua</u> ): assessment and status of the Georges Bank and Gulf of Maine stocks, January 1978.	Serchuk, F. M., P. W. Wood, and B. E. Brown
78-04	An evaluation of the use of available catch/effort data in the Georges Bank cod stock prediction program.	Brown, B. E., P. W. Wood
78-05	Assessment of the haddock stocks in the Gulf of Maine-Georges Bank area.	Clark, S. H., J. E. Palmer
78-06	Assessment of the Southern New England-Middle Atlantic red hake stock.	Anderson, E. D., F. P. Almeida
78-07	Preliminary results of the International Herring Tagging Program conducted on the northeast coast of the United States in 1977.	Almeida, F. P., T. S. Burns
78-08	Effects of environmental factors on trawl survey operations and catches as evidenced by a Doppler Speed Log.	Overholtz, W. S., R. Lewis
78-09	An explanation of virtual population analysis.	Anderson, E. D.
78-10	Assessment of the Gulf of Maine silver hake stock.	Anderson, E. D., F. P. Almeida
78-11	Summary and review of the 1978 assessment and status of the Georges Bank and Gulf of Maine cod stocks.	Serchuk, F. M., P. W. Wood, and B. E. Brown

78-12	New England mesh selectivity studies - experiment one.	Smolowitz, R. J.
78-13	Determination of the von Bertalanffy growth equation for the Southern New England -Middle Atlantic, Georges Bank, and Gulf of Maine stocks of silver hake.	Almeida, F. P.
78-14	Production studies at the Northeast Fisheries Center.	Cohen, E., M. Grosslein, M. Sissenwine, and F. Steimle
78-15	Fisheries resources of the Cape Cod and Massachusetts Bay region.	Lux, F. E., G. F. Kelly
78-16	Sea sampling trip, M/V TREMONT, December 16-19, 1977, trip description and results.	Serchuk, F.
78-17	Fish aging at the Northeast Fisheries Center.	Nichy, F.
78-18	Silver hake: A description of the stocks comprising the management unit.	Almeida, F. P.
78-19	Biological aspects of optimum yield for Georges Bank and Gulf of Maine cod.	NMFS, NEFC, Woods Hole Lab.
78-20	Biological aspects of optimum yield for Georges Bank haddock.	NMFS, NEFC, Woods Hole Lab.
78-21	Application of bottom trawl survey data to fish stock assessments.	Clark, S. H.
78-22	Spring and Fall sea-surface temperature and salinity on the northeastern continental shelf; Cape Hatteras to Cape Sable, 1972-1977.	Pawlowski, R. J., W. R. Wright



- |       |   |  |
|-------|---|--|
| 78-32 | A circular towing tank for calibrating plankton net flowmeters.   | Potter, D. C.  |
| 78-33 | Some observations on plankton net codend types and subsequent larval fish condition.  | Potter, D. C.  |
| 78-34 | Resource implications of an expanded USA silver hake fishery.   | Anderson, E. D.  |
| 78-35 | Food habits and food resource partitioning by Northwest Atlantic gadiform fishes.   | Langton, R. W.,<br>R. E. Bowman                        |
| 78-36 | Squid ( <u>Loligo pealei</u> and <u>Illex illecebrosus</u> ) stock status: June, 1978.  | Lange, A. M. T.  |
| 78-37 | An assessment of the Scotian Shelf, Gulf of Maine, and Georges Bank pollock stock.  | Clark, S. H.,<br>T. S. Burns, and<br>B. P. Hayden      |
| 78-38 | Shell length - meat weight relationships of ocean quahogs, <u>Arctica islandica</u> , from the Middle Atlantic shelf.                 | Murawski, S. A.,<br>F. M. Serchuk, and<br>M. C. Aelion |
| 78-39 | Research vessel cruises, 1948-1977.   | Flescher, D.   |
| 78-40 | Summary of stock assessments - July 1978.   | Resource Assessment<br>Division                        |
| 78-41 | Information on the current status of bluefish ( <u>Pomatomus saltatrix</u> ) in the Gulf of Maine-Middle Atlantic area.               | Hayden, B. P.,<br>E. D. Anderson                       |
| 78-42 | A summary of spring and autumn bottom-water temperatures on the Atlantic continental shelf from Cape Hatteras to Cape Sable, 1963-77. | Davis, C. W.   |

- |       |   |  |
|-------|---|--|
| 78-43 | A note on shrinkage of Atlantic herring larvae preserved in formalin.   | Davis, C. W.   |
| 78-44 | Review of the other flounder stocks (winter flounder, American plaice, witch flounder, and windowpane flounder) off the Northeast United States, August 1978.   | Lange, A. M. T.,<br>F. E. Lux                                      |
| 78-45 | Summary and review of the 1978 assessment and status of sea scallop ( <u>Placopecten magellanicus</u> ) populations off the northeast coast of the United States.                                     | Serchuk, F. M.,<br>P. W. Wood,<br>J. A. Posgay, and<br>B. E. Brown |
| 78-46 | Description of the NEFC commercial fishery and bottom trawl survey data processing formats.   | Mayo, R. K   |
| 78-47 | Status of the Northwestern Atlantic butterfly stock: September 1978.  | Murawski, S. A.,<br>G. T. Waring                                   |
| 78-48 | New England mesh selectivity studies. Experiment three. Offshore groundfish.  | Smolowitz, R. J.   |
| 78-49 | Status of the Northwest Atlantic mackerel stock - 1978.   | Anderson, E. D.,<br>W. J. Overholtz                                |
| 78-50 | National Oceanic and Atmospheric Administration and National Marine Fisheries Service position in opposition to the siting of an oil refinery by the Pittston Company of New York at Eastport, Maine. | Gibson, Jon A.   |

- |       |  |   |
|-------|--|---|
| 78-51 | Dorsal mantle length-total weight relationships of squid ( <u>Loligo pealei</u> and <u>Illex illecebrosus</u> ) from the Northwest Atlantic, off the coast of the United States. | Lange, A. M. T.<br>K. L. Johnson                        |
| 78-52 | Assessment, current status, and future outlook of sea scallop populations ( <u>Placopecten magellanicus</u> ) in the Georges Bank and Mid-Atlantic regions.                      | Serchuk, F. M.,<br>P. W. Wood, and<br>B. E. Brown       |
| 78-53 | A guide to the developmental stages of common coastal, Georges Bank and Gulf of Maine copepods.  | Murphy, J. A.,<br>R. E. Cohen                           |
| 78-54 | New England mesh selectivity studies. Experiment four. Offshore groundfish.  | Smolowitz, R. J.<br>L. Sovik, and<br>P. Jacobsen        |
| 78-55 | Status of the Southern New England-Middle Atlantic silver hake stock - 1978.   | Almeida, F. P.,<br>E. D. Anderson                       |
| 78-56 | Status of the Gulf of Maine silver hake stock - 1978.  | Almeida, F. P.,<br>E. D. Anderson                       |
| 78-57 | Status of the Georges Bank silver hake stock - 1978.   | Almeida, F. P.,<br>E. D. Anderson                       |
| 78-58 | Summary of mackerel catch data from the USSR R/V ARGUS 1978 winter mackerel survey and the USA R/V ALBATROSS 1978 spring bottom trawl survey.                                    | Anderson, E. D.,<br>W. J. Overholtz                     |
| 78-59 | Status of the Southern New England - Middle Atlantic red hake stock - 1978   | Almeida, F. P.,<br>E. D. Anderson, and<br>H. A. Herring |
| 78-60 | Assessment material provided for the 1979 supplements to the mackerel, hake, herring, squid, and other finfish PMP's.  | Anderson, E. D. et al.                                  |

- |       |  |   |
|-------|--|---|
| 79-01 | Status of the Georges Bank red hake stock - 1978.  | Almeida, F. P.,<br>E. D. Anderson, and<br>H. A. Herring |
| 79-02 | Mesh size and New England groundfish.  | Smolowitz, R. J.  |
| 79-03 | A list of articles useful in the search for biological evidence of drift across Georges Bank and Nantucket Shoals from the Gulf of Maine region to the Middle Atlantic Bight region. | Trapnell, D. W.   |
| 79-04 | Decreased abundance of long-finned squid ( <u>Loligo pealei</u> ) off the northeastern USA.  | Lange, A. M. T.,<br>M. P. Sissenwine                    |
| 79-05 | Review and assessment of the Georges Bank and Gulf of Maine haddock fishery.   | Clark, S. H.,<br>W. J. Overholtz                        |
| 79-06 | Yellowtail flounder ( <u>Limanda ferruginea</u> ): status of the stocks, February 1979.  | McBride, M. M.<br>M. P. Sissenwine                      |
| 79-07 | Comments on FEIS/FMP for the squid fishery of the Northwest Atlantic Ocean, Supplement Number 1, November 1978.  | Lange, A. M. T.   |
| 79-08 | Summary of sexed length frequencies for squid ( <u>Loligo pealei</u> and <u>Illex illecebrosus</u> ) from the USSR R/V ARGUS squid, mackerel and herring survey, Jan.-Mar. 1978.     | Lange, A. M. T.   |
| 79-09 | The reproductive biology of the Georges Bank haddock ( <u>Melanogrammus aeglefinus</u> L.): fecundity.   | Livingstone, R. Jr.,<br>M. R. Pennington                |

- |       |  |  |
|-------|--|--|
| 79-10 | Status of the Georges Bank and Gulf of Maine cod stocks, February 1979.  | Serchuk, F. M.,<br>P. W. Wood, R. Lewis,<br>J. A. Penttila, and<br>B. E. Brown |
| 79-11 | Results of 19 February 1979 sea sampling trip aboard F/V FRIESLAND.  | Wood, P.,<br>M. Sissenwine   |
| 79-12 | An analysis of sea herring fisheries of the Northwest Atlantic from Cape Hatteras to Southwest Nova Scotia.  | Sissenwine, M. P.,<br>G. T. Waring   |
| 79-13 | An assessment of offshore surf clam, <u>Spisula solidissima</u> , populations off the Middle Atlantic Coast of the United States.                              | Murawski, S.,<br>F. M. Serchuk   |
| 79-14 | Cruise summaries and equipment lists, 1976-1979.   | Patanjo, D.  |
| 79-15 | By-catch of pelagic sharks, swordfish, and the large pelagics in the 1978 foreign trawl fishery in the US Fishery Conservation Zone in the Northwest Atlantic. | Anderson, E. D.  |
| 79-16 | Dynamics of ocean quahog, <u>Arctica islandica</u> , populations off the Middle Atlantic Coast of the United States.   | Murawski, S. A.,   |
| 79-17 | Food of nine Northwest Atlantic Pleuronectiform fishes.  | Langton, R.  |
| 79-18 | Gulf of Maine redfish stock assessment data - 1978.  | Mayo, R. K.  |
| 79-19 | Assessment of bluefish ( <u>Pomotomus saltatrix</u> ) of the Atlantic Coast of the United States.  | Anderson, E. D.,<br>F. P. Almeida  |

- |       |  |  |
|-------|--|--|
| 79-20 | An assessment of the Gulf of Maine redfish, <u>Sebastes marinus</u> (L.), stock in 1979.   | Mayo, R. K.,<br>E. Bevacqua,<br>V. M. Gifford, and<br>W. Griffin |
| 79-21 | Haddock assessment and management measures 1976-1979.  | Clark, S. H.,<br>B. E. Brown, and<br>R. C. Hennemuth             |
| 79-22 | On the question of offshore surf clam, <u>Spisula solidissima</u> , resources off New England.   | Murawski, S.   |
| 79-23 | The economic confrontation of limited entry with the Free Enterprise System.   | Matsuda, Y.  |
| 79-24 | Yield-per-recruit analysis and a review of mesh selection studies conducted on silver hake, <u>Merluccius bilinearis</u> , off the northeast coast of the United States. | Almeida, F. P.,<br>E. D. Anderson                                |
| 79-25 | Estimates of long-term potential annual fields from major fish stocks found on Georges Bank (ICNAF Div. 5Ze).  | Lange, A. M. T.  |
| 79-26 | Scallop gear trials: preliminary project report.   | Smolowitz, R. J.   |
| 79-27 | Strandings of short-finned squid on Cape Cod.  | Lange, A. M. T.  |
| 79-28 | The silver hake stocks and fishery off northeast United States.  | Anderson, E. D.,<br>F. E. Lux, and<br>F. P. Almeida              |

- |       |  |                                     |
|-------|--|-------------------------------------|
| 79-29 | Collected data for U.S. East Coast bivalve mollusks in the Northeast Fisheries Center specimen reference collection. | Theroux, R. B.,<br>R. L. Wigley     |
| 79-30 | Squid ( <u>Loligo pealei</u> and <u>Illex illecebrosus</u> ) stock status update: July 1979.                         | Lange, A. M. T.                     |
| 79-31 | Summer flounder ( <u>Paralichthys dentatus</u> ) in the Northwest Atlantic.  | Henderson, E. M.                    |
| 79-32 | An introduction to some methods of stock assessment used by the Northeast Fisheries Center and elsewhere.            | Sissenwine, M. P.                   |
| 79-33 | Status of the northwestern Atlantic butterflyfish stock: July 1979.  | Waring, G T.                        |
| 79-34 | Yield-per-recruit analysis for summer flounder ( <u>Paralichthys dentatus</u> ).                                     | Johnson, K. L.                      |
| 79-35 | Status of the Northwest Atlantic mackerel stock - 1979.  | Anderson, E. D.,<br>W. J. Overholtz |
| 79-36 | Otoliths of some Northwest Atlantic fishes.  | Brodeur, R. D.                      |
| 79-37 | Review and status of the Southern New England-Middle Atlantic cod, <u>Gadus morhua</u> , population.                 | Serchuk, F. M.,<br>P. W. Wood       |
| 79-38 | Recent problems in aging sea herring from the Gulf of Maine.   | Dery, L., and<br>J. Chenoweth       |

- 79-39 Laboratory and data processing methods recommended for larval fish gut content and condition factor analysis studies using larval sea herring (Clupea harengus L.) as a prototype. Cohen, R. E., R. G. Lough
- 79-40 Assessment update for incidental finfish species. Clark, S. H.
- 79-41 Summary of stock assessments - September 1979. Resource Assessment Division
- 79-42 By-catch of non-target species in selected fisheries to which Canada may receive access through USA-Canadian boundary negotiation. Lange, A. M. T.
- 79-43 Feeding habits of ten Northwest Atlantic juvenile groundfish. Bowman, R. E.
- 79-44 Areal distribution of the offshore surf clam, Spisula solidissima, and ocean quahog, Arctica islandica, resources of the Middle Atlantic Bight: 1979. Murawski, S. A.
- 79-45 Alewife, Alosa pseudoharengus, age-length keys from spring and fall bottom trawl surveys, 1973 to spring 1978, covering the U.S. continental shelf from Cape Hatteras, NC, to Nova Scotia. Dery, L.
- 79-46 Notes on the spawning biology of long-finned squid (Loligo pealei). Pecci, K., A. M. T. Lange, and R. Lewis
- 79-47 Biological model for the New England groundfish fishery. Henderson, E.
- 79-48 Status of the silver hake resource off the northeast coast of the United States, 1979. Almeida, F., and E. Anderson

- |       |  |  |
|-------|--|--|
| 79-49 | Status of the red hake resources off the northeast coast of the United States - 1979.  | Anderson, E., and<br>F. Almeida                      |
| 79-50 | Abundance of sea herring ( <u>Clupea harengus</u> L.) larvae in relation to spawning stock size and recruitment for the Gulf of Maine and Georges Bank, 1968-1978. | Lough, R. G., and<br>G. R. Bolz                      |
| 79-51 | Current assessment of the Gulf of Maine northern shrimp resource.  | Clark, S. H.   |
| 79-52 | The status of the Marine fishery resources of the northeastern United States.  | McBride, M. M., and<br>B. E. Brown                   |
| 79-53 | Primary productivity on Georges Bank with an explanation of why it is so high.   | Cohen, E. B., and<br>W. R. Wright                    |
| 79-54 | Estimation of the recreational cod catch, in numbers, in the waters off the northeastern United States.  | Foster, H. A., and<br>B. E. Brown                    |
| 79-55 | The spatial and temporal distribution of summer flounder ( <u>Paralichthys dentatus</u> ) based on research vessel bottom trawl surveys.                           | Sissenwine, M. P.,<br>R. R. Lewis, and<br>R. K. Mayo |

- 79-56 Analysis of various sources of pelagic shark catches in the northwest and western central Atlantic Ocean and Gulf of Mexico. Anderson, E. D.
- 79-57 Report of the state-federal scup (Stenotomus crysops) age and growth workshop. Dery, L., and C. Reardon
- 79-58 Age and growth data for the Atlantic Coast sea scallop, Placopecten magellanicus. Posgay, J. A., and A. S. Merrill
- 79-59 Scotian Shelf, Gulf of Maine, and Georges Bank pollock assessment update. Clark, S. H., T. S. Burns, and R. J. Essig
- 79-60 A description of the sampling methods, and larval herring (Clupea harengus L.) data report for surveys conducted from 1968-1978 in the Georges Bank and Gulf of Maine areas. Lough, R. Gregory, and G. R. Bolz
- 80-01 Spring and fall bottom temperatures on the continental shelf, Cape Hatteras to Cape Sable, 1972 to 1979, with surface temperature and salinity for 1978 and 1979. Nickerson, Samuel R., and W. Redwood Wright
- 80-02 Research vessel cruises, 1948-1979 National Marine Fisheries Service. Flescher, Donald
- 80-03 Yield-per-recruit analyses for squid, Loligo pealei and Illex illecebrosus. Lange, A. M. T.
- 80-04 Species separation of Loligo squid (L. pealei and L. plei) during NMFS bottom trawl surveys. Lange, A. M. T.
- 80-05 Silver hake's Merluccius bilinearis) regulatory influence on the fishes of the Northwest Atlantic. Bowman, R. A.

- |       |   |  |
|-------|---|--|
| 80-06 | Georges Bank and Gulf of Maine haddock assessment update, February 1980.  | Clark, Stephen,<br>Ronald J. Essig       |
| 80-07 | Current assessment and status of the Georges Bank and Gulf of Maine cod stocks.   | Serchuk, F.,<br>P. Wood, and<br>D. Freid |
| 80-08 | Diurnal variation in the feeding intensity and catchability of silver hake ( <u>Merluccius bilinearis</u> ).  | Bowman, R. E., and<br>E. W. Bowman       |
| 80-09 | Status of sea herring fisheries of the Gulf of Maine-Georges Bank region.   | Sissenwine, M. P.,<br>G. T. Waring       |
| 80-10 | The status of the fishery resources on Georges Bank.  | Brown, B. E.                             |
| 80-11 | An introduction to some methods of stock assessment.  | Sissenwine, Michael                      |
| 80-12 | Current assessment and status of the squid ( <u>Loligo pealei</u> and <u>Illex illecebrosus</u> ) stocks of the Northwest Atlantic, Middle Atlantic to the Gulf of Maine. | Lange, Anne M. T.                        |
| 80-13 | A comparative study of aging methods for summer flounder, <u>Paralichthys dentatus</u> .  | Shepherd, Gary                           |
| 80-14 | Estimation of the recreational cod catch in numbers off the northeastern United States.   | Foster, Harold, and<br>B. E. Brown       |
| 80-15 | Comparison of the composition of larval herring prey items selected by bongo nets in the standard array of samplers used on larval herring survey cruises.                | Cohen, R. E.                             |
| 80-16 | Data report on yellowtail flounder of the Cape Cod area and northern Gulf of Maine.   | McBride, M. M., and<br>M. P. Sissenwine  |

- 80-17 Diurnal periodicity in the feeding and catchability of some marine fish and squid. Bowman, R. E.
- 80-18 MSY estimate of pelagic sharks in the western North Atlantic. Anderson, E. D.
- 80-19 Comparison of reported length-weight relationships for the dominant copepod prey of larval sea herring in the Georges Bank-Gulf of Maine area. Cohen, R. E., and R. G. Lough
- 80-20 Yellowtail flounder (Limanda ferruginea): status of the stocks, March 1980. McBride, M. M., M. P. Sissenwine, B. E. Brown, and L. M. Kerr
- 80-21 Implications of yellowtail flounder stock assessment information for management strategies. Brown, B. E., M. P. Sissenwine, and M. M. McBride
- 80-22 Status of the northwestern Atlantic butterfish stock, July 1980. Waring, Gordon T.
- 80-23 Larval herring (Clupea harengus L.) gut contents and morphological condition data from three spawning seasons, 1974, 1975, and 1976 in the Georges Bank - Gulf of Maine area. Cohen, R. E., R. G. Lough, and J. A. Murphy
- 80-24 An energy budget of Georges Bank. Cohen, E. B., M. Grosslein, and F. Steimle
- 80-25 Hydrographic work on MARMAP cruises. Kirschner, Ronald A.
- 80-26 Silver hake: On the question of stock definition. Almeida, F. P., and E. D. Anderson
- 80-27 Are XBTs expendable? Patanjo, Daniel
- 80-28 Data report on the recoveries of tagged sea scallops from Georges Bank 1957-1962. Posgay, J. A.

- |       |  |  |
|-------|--|--|
| 80-29 | Status of the Northwest Atlantic Mackerel stock - 1980   | Anderson, E. D.                                  |
| 80-30 | A Preliminary Assessment of the Status of Bluefish ( <u>Pomatomus saltatrix</u> ) along the Atlantic Coast of the United States.               | Anderson, E.                                     |
| 80-31 | Food of silver hake, <u>Merluccius bilinearis</u> .  | Bowman, Ray E.                                   |
| 80-32 | Evaluation and status of ocean quahog, <u>Arctica islandica</u> (Linnaeus) populations off the Middle Atlantic Coast of the United States.     | Serchuk, F. M.,<br>and S. A. Murawski            |
| 80-33 | Assessment and status of surf clam, <u>Spisula solidissima</u> (Dillwyn) populations in off-shore Middle Atlantic waters of the United States. | Serchuk, F. M.,<br>and S. A. Murawski            |
| 80-34 | Movements of tagged summer flounder, <u>Paralichthys dentatus</u> , off southern New England.  | Lux, F. E., and<br>F. E. Nichy                   |
| 80-35 | Distribution and abundance of larval lobsters ( <u>Homarus americanus</u> ) in Buzzards Bay, Massachusetts, in 1976-79.                        | Lux, F. E.,<br>G. F. Kelly, and<br>C. L. Wheeler |
| 80-36 | Discriminant function analysis of morphometric characters from silver hake in the New England - Middle Atlantic area.                          | Almeida, F. P., and<br>E. D. Anderson            |
| 80-37 | Summary of Status of the Stocks December, 1980.  | Resource Assessment<br>Division                  |
| 81-01 | NMFS/NEFC Cruise Summaries and Equipment List, 1980.   | Patanjo, D.                                      |

National Marine Fisheries Service  
Northeast Fisheries Center Library  
Woods Hole, MA 02543

WOODS HOLE LABORATORY REFERENCE DOCUMENTS

1981: 81-12 to 81-28

- |       |   |  |
|-------|---|--|
| 81-12 | Catches of larval lobsters in Buzzards Bay and Vineyard Sound, Mass. in Spring and Summer 1980.   | Wheeler, C., F.E. Lux and G. Kelly.  |
| 81-13 | Northwestern Atlantic Shelf and Slope water volumes and surface areas by one degree square and by water mass.                             | Bush, K.   |
| 81-14 | Stomach contents of twenty-four species of fish caught in Cape Cod Bay and/or Massachusetts Bay during the period 1972-1978--DATA REPORT. | Bowman, R.   |
| 81-15 | Distribution of biomass and density of macrobenthic invertebrates on the U.S. continental shelf off Martha's Vineyard, Massachusetts      | Maurer, D.,<br>Wigley, R.L.  |
| 81-16 | Species similarity of otter trawl catches off the northeast coast of the United States.   | Murawski, S.A., A.M.<br>Lange, R.K. Mayo, M.P.<br>Sissenwine, and B.E.<br>Brown.   |
| 81-17 | Fishery trends off the Northeastern coast of the United States, 1964-1980.  | Lange, A.M.T.,<br>S. Murawski,<br>M. Sissenwine,<br>R. Mayo, B. Brown.             |
| 81-18 | Estimation of discards in mixed trawl fisheries off the Northeast coast of the United States, based on bottom trawl survey catches.       | Mayo, R.K., A.M.T.<br>Lange, S.A. Murawski,<br>M.P. Sissenwine, and<br>B.E. Brown. |
| 81-19 | Larval fish trophodynamic studies on Georges Bank.  | Lough, R.G.  |
| 81-20 | Status of herring stocks of the Gulf of Maine Area for 1981.  | Anthony, V., G. Waring,<br>M. Fogarty.   |
| 81-21 | The use of particle counters in zooplankton research.   |  |
| 81-22 | Yield and recruitment simulations for Atlantic herring.   | Fogarty, M.J., V.C.<br>Anthony, and G. Waring.                                     |

Not yet available for distribution.

- 81-23 Examination of known and potential causes of variation in fish feeding studies. Bowman, R.E.
- 81-24 Striped bass: an indexed bibliography. Boreman, J. and D. Green.
- 81-25 Review and assessment of the summer flounder (*Paralichthys dentatus*) fishery in the Northwest Atlantic. Fogarty, M. J.
- 81-26 A critique of BENTHOS - a simulation model by J. R. Albanese. Hahm, W., and T.M. Leschine.
- 81-27 Status of the Northwestern Atlantic butterfish stock. Waring, G.T., and E. D. Anderson.
- 81-28 Summary of status of the stocks - 1981. Resource Assessment Division.

National Marine Fisheries Service  
Northeast Fisheries Center Library  
Woods Hole, MA 02543

WOODS HOLE LABORATORY REFERENCE DOCUMENTS

1981: 81-29 to 81-43

- |       |  |  |
|-------|--|--|
| 81-29 | Stock status and estimates of potential yields of Squid ( <i>Loligo pealei</i> and <i>Illex illecebrosus</i> ) populations off the Northeastern USA. | Lange, A.M.T.                              |
| 81-30 | Marking studies on the red crab, <i>Garyon quinquegens</i> Smith, off Southern New England.  | Lux, F.E., A.R. Ganz,<br>W.F. Rathjen.     |
| 81-31 | Comparison of the stomach contents of fish and squid collected in waters off Cape Ann, Cape Cod, and Nantucket, Mass.                                | Bowman, R.E., and<br>J.T. Towns.           |
| 81-32 | Scotian shelf, Gulf of Maine, and Georges Bank pollock stock status.   | Clark, S.H., L. O'Brien,<br>and R. Mayo.   |
| 81-33 | Assessment and current status of offshore surf clam, <i>Spisula solidissima</i> populations off the Middle Atlantic coast of the United States.      | Murawski, S.A.                             |
| 81-34 | Life histories of seven fish species that inhabit the Hudson River Estuary.  | Boreman, J.                                |
| 81-35 | River herring stocks along the Atlantic coast.   | Boreman, J.                                |
| 81-36 | Status of the silver hake resource off the Northeast coast of the United States - 1981.  | Almeida, F., and<br>E.D. Anderson.         |
| 81-37 | Status of the red hake resource off the Northeast coast of the United States - 1981.   | Almeida, F., and E.D.<br>Anderson.         |
| 81-38 | Status of the Northwest Atlantic mackerel stock - 1981.  | Anderson, E.D.                             |
| 81-39 | Preliminary investigations of laboratory growth studies of the squid <i>Loligo pealei</i> (LeSuerer).  | Lange, A.M.T.,<br>F. Nichy and<br>C. Demo. |

- 81-40 American shad stocks along the Atlantic coast. Boreman, J.
- 81-41 Implication of variability in recruitment for fishery management in the waters off the Northeastern coast of the United States. Brown, B.E., and J.E. Palmer.
- 81-42 NMFS/NEFC cruise summaries and equipment list 1981. Patanjo, D.
- 81-43 Ichthyoplankton studies of Cape Cod and Massachusetts Bays, 1976-77. Lux, F.E., and G.F. Kelly.
- 81-44 Population identification of silver hake (*Merluccius bilinearis*) using isoelectric focusing. Schenck, R.

National Marine Fisheries Service  
Northeast Fisheries Center Library  
Woods Hole, MA 02543

WOODS HOLE LABORATORY REFERENCE DOCUMENTS

1981: 81-01 to 81-11

81-01	NMFS/NEFC cruise summaries and equipment list, 1980.	Patanjo, Dan
81-02	Distribution and abundance of the juveniles of fifteen selected fish species caught in the northwest Atlantic, 1975-1979.	Bowman, Ray E.
81-03	A preliminary analysis of the status of the tilefish population in the southern New England-Middle Atlantic region.	Anderson, Emory D., Stephen C. Turner, Stuart J. Wilk
81-04	Entrainment impact of Vienna Unit No. 9 on the striped bass population in the Nanticoke River, Maryland.	Boreman, John
81-05	Georges Bank and Gulf of Maine haddock stock status - 1981.	Clark, Stephen H., Ralph K. Mayo, Erika Faulk
81-06	Assessment and status of the Georges Bank and Gulf of Maine Atlantic cod stocks - 1981.	Serchuk, Frederick M., Paul W. Wood, Jr.
81-07	Catch statistics of Atlantic herring and stock options for assessment considerations in 1981.	Waring, Gordon, Vaughn Anthony
81-08	Ichthyoplankton distribution and abundance for species collected on ICNAF larval herring surveys, September 1971 - February 1977.	Bolz, G., and R. G. Lough
81-09	Implications of the 1981 Georges Bank and Gulf of Maine cod and haddock assessments for future management strategies.	Serchuk, Frederick M., Stephen H. Clark, and Bradford E. Brown
81-10	Yellowtail flounder stock status - 1981.	Clark, Stephen H., Loretta O'Brien, and Ralph Mayo
81-11	Temperature structure and surface salinity in the Gulf of Maine during 1980.	Wright, R. H.

National Marine Fisheries Service  
Northeast Fisheries Center Library  
Woods Hole, MA 02543

WOODS HOLE LABORATORY REFERENCE DOCUMENTS

1981: 81-12 to 81-28

- 81-12 Catches of larval lobsters in Buzzards Bay and Vineyard Sound, Mass. in Spring and Summer 1980. Wheeler, C., F.E. Lux and G. Kelly.
- 81-13 Northwestern Atlantic Shelf and Slope water volumes and surface areas by one degree square and by water mass. Bush, K.
- 81-14 Stomach contents of twenty-four species of fish caught in Cape Cod Bay and/or Massachusetts Bay during the period 1972-1978--DATA REPORT. Bowman, R.
- 81-15 Distribution of biomass and density of macrobenthic invertebrates on the U.S. continental shelf off Martha's Vineyard, Massachusetts. Maurer, D., Wigley, R.L.
- 81-16 Species similarity of otter trawl catches off the northeast coast of the United States. Murawski, S.A., A.M. Lange, R.K. Mayo, M.P. Sissenwine, and B.E. Brown.
- 81-17 Fishery trends off the Northeastern coast of the United States, 1964-1980. Lange, A.M.T., S. Murawski, M. Sissenwine, R. Mayo, B. Brown.
- 81-18 Estimation of discards in mixed trawl fisheries off the Northeast coast of the United States, based on bottom trawl survey catches. Mayo, R.K., A.M.T. Lange, S.A. Murawski, M.P. Sissenwine, and B.E. Brown.
- 81-19 Larval fish trophodynamic studies on Georges Bank. Lough, R.G.
- 81-20 Status of herring stocks of the Gulf of Maine Area for 1981. Anthony, V., G. Waring, M. Fogarty.
- 81-21 The use of particle counters in zooplankton research.
- 81-22 Yield and recruitment simulations for Atlantic herring. Fogarty, M.J., V.C. Anthony, and G. Waring.

- 81-23 Examination of known and potential causes of variation in fish feeding studies. Bowman, R.E.
- 81-24 Striped bass: an indexed bibliography. Boreman, J. and D. Green.
- 81-25 Review and assessment of the summer flounder (*Paralichthys dentatus*) fishery in the Northwest Atlantic. Fogarty, M. J.
- 81-26 A critique of BENTHOS - a simulation model by J. R. Albanese. Hahm, W., and T.M. Leschine.
- 81-27 Status of the Northwestern Atlantic butterfish stock. Waring, G.T., and E. D. Anderson.
- 81-28 Summary of status of the stocks - 1981. Resource Assessment Division.

National Marine Fisheries Service  
Northeast Fisheries Center Library  
Woods Hole, MA 02543

WOODS HOLE LABORATORY REFERENCE DOCUMENTS

1981: 81-29 to 81-44

- 81-29 Stock status and estimates of potential yields of Squid (*Loligo pealei* and *Illex illecebrosus*) populations off the Northeastern USA. Lange, A.M.T.
- 81-30 Marking studies on the red crab, *Geryon quinquedens* Smith, off Southern New England. Lux, F.E., A.R. Ganz, W.F. Rathjen.
- 81-31 Comparison of the stomach contents of fish and squid collected in waters off Cape Ann, Cape Cod, and Nantucket, Mass. Bowman, R.E., and J.T. Towns.
- 81-32 Scotian shelf, Gulf of Maine, and Georges Bank pollock stock status. Clark, S.H., L. O'Brien, and R. Mayo.
- 81-33 Assessment and current status of offshore surf clam, *Spisula solidissima* populations off the Middle Atlantic coast of the United States. Murawski, S.A.
- 81-34 Life histories of seven fish species that inhabit the Hudson River Estuary. Boreman, J.
- 81-35 River herring stocks along the Atlantic coast. Boreman, J.
- 81-36 Status of the silver hake resource off the Northeast coast of the United States - 1981. ( Not Included). Almeida, F., and E.D. Anderson.
- 81-37 Status of the red hake resource off the Northeast coast of the United States - 1981. ( Not Included). Almeida, F., and E.D. Anderson.
- 81-38 Status of the Northwest Atlantic mackerel stock - 1981. Anderson, E.D.
- 81-39 Preliminary investigations of laboratory growth studies of the squid *Loligo pealei* (LeSuerer). Lange, A.M.T., F. Nichy and C. Demo.

- 81-40 American shad stocks along the Atlantic coast. Boreman, J.
- 81-41 Implication of variability in recruitment for fishery management in the waters off the Northeastern coast of the United States. Brown, B.E., and J.E. Palmer.
- 81-42 NMFS/NEFC cruise summaries and equipment list 1981. Patanjo, D.
- 81-43 Ichthyoplankton studies of Cape Cod and Massachusetts Bays, 1976-77. Lux, F.E., and G.F. Kelly.
- 81-44 Population identification of silver hake (*Merluccius bilinearis*) using isoelectric focusing. Schenck, R.

REVISION

- 79-39 Laboratory and data processing methods recommended for larval fish gut content and condition factor analysis studies using larval Atlantic herring (Clupea Harengus L.) as a prototype. Cohen, R. E., and R. Gregory Lough.