



NOAA Technical Report NMFS Circular 437
**Fishery Publication Index,
1975-79**

Lee C. Thorson

May 1981

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service

NOAA TECHNICAL REPORTS

National Marine Fisheries Service, Circulars

The major responsibilities of the National Marine Fisheries Service (NMFS) are to monitor and assess the abundance and geographic distribution of fishery resources, to understand and predict fluctuations in the quantity and distribution of these resources, and to establish levels for optimum use of the resources. NMFS is also charged with the development and implementation of policies for managing national fishing grounds, development and enforcement of domestic fisheries regulations, surveillance of foreign fishing off United States coastal waters, and the development and enforcement of international fishery agreements and policies. NMFS also assists the fishing industry through marketing service and economic analysis programs, and mortgage insurance and vessel construction subsidies. It collects, analyzes, and publishes statistics on various phases of the industry.

The NOAA Technical Report NMFS Circular series continues a series that has been in existence since 1941. The Circulars are technical publications of general interest intended to aid conservation and management. Publications that review in considerable detail and at a high technical level certain broad areas of research appear in this series. Technical papers originating in economics studies and from management investigations appear in the Circular series.

NOAA Technical Report NMFS Circulars are available free in limited numbers to governmental agencies, both Federal and State. They are also available in exchange for other scientific and technical publications in the marine sciences. Individual copies may be obtained (unless otherwise noted) from D822, User Services Branch, Environmental Science Information Center, NOAA, Rockville, MD 20852. Recent Circulars are:

418. Annotated bibliography of four Atlantic scombrids: *Scomberomorus brasiliensis*, *S. cavalla*, *S. maculatus*, and *S. regalis*. By Charles S. Manooch III, Eugene L. Nakamura, and Ann Bowman Hall. December 1978, iii + 166 p.
419. Marine flora and fauna of the northeastern United States. Protozoa: Sarcodina: Amoeboae. By Eugene C. Bovee and Thomas K. Sawyer. January 1979, iii + 56 p., 77 figs. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 003-017-00433-3.
420. Preliminary keys to otoliths of some adult fishes of the Gulf of Alaska, Bering Sea, and Beaufort Sea. By James E. Morrow. February 1979, iii + 32 p., 9 pl.
421. Larval development of shallow water barnacles of the Carolinas (Cirripedia: Thoracica) with keys to naupliar stages. By William H. Lang. February 1979, iv + 39 p., 36 figs., 17 tables.
422. A revision of the catsharks, family Scyliorhinidae. By Stewart Springer. April 1979, v + 142 p., 97 figs. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 003-020-00147-5.
423. Marine flora and fauna of the northeastern United States. Crustacea: Cumacea. By Les Watling. April 1979, iii + 23 p., 35 figs. For sale by the Superintendent of Documents, Washington, D.C. 20402, Stock No. 003-017-00446-5.
424. Guide to the leptocephali (Elopiiformes, Anguilliformes, and Notacanthiformes). By David G. Smith. July 1979, iv + 39 p., 54 figs.
425. Marine flora and fauna of the northeastern United States. Arthropoda: Cirripedia. By Victor A. Zullo. April 1979, iii + 29 p., 40 figs. For sale by the Superintendent of Documents, Washington, D.C. 20402, Stock No. 003-017-00453-8.
426. Synopsis of biological data on the rock crab, *Cancer irroratus* Say. By Thomas E. Bigford. May 1979, v + 26 p., 11 figs., 21 tables.
427. Ocean variability in the U.S. Fishery Conservation Zone, 1976. By Julien R. Goulet, Jr., and Elizabeth D. Haynes, editors. July 1979, iii + 362 p.
- (427.) Introduction. By Julien R. Goulet, Jr. July 1979, p. 1-2.
- (427.) Summary. By Julien R. Goulet, Jr. July 1979, p. 3-10.
- (427.) Atmospheric circulation in 1976. By Elizabeth D. Haynes. July 1979, p. 11-18, 2 figs.
- (427.) Atmospheric climatology and its effect on sea surface temperature—1976. By Robert R. Dickson and Jerome Namias. July 1979, p. 19-33, 6 figs.
- (427.) Eastern Pacific sea surface conditions in 1976. By Elizabeth D. Haynes. July 1979, p. 35-42.
- (427.) Sea surface conditions in the western North Atlantic in 1976. By Julien R. Goulet, Jr., and Elizabeth D. Haynes. July 1976, p. 43-50.
- (427.) Anomalies of monthly mean sea level along the west coasts of North and South America. By Dale E. Bretschneider and Douglas R. McLain. July 1979, p. 51-64, 6 figs.
- (427.) Coastal upwelling off western North America, 1976. By Craig S. Nelson. July 1979, p. 65-75, 2 figs., 2 tables.
- (427.) Oceanic conditions during 1976 between San Francisco and Honolulu as observed from Ships of Opportunity. By J. F. T. Saur and D. R. McLain. July 1979, p. 77-92, 5 figs., 2 tables.
- (427.) The 1976 El Nino and recent progress in monitoring and prediction. By William H. Quinn. July 1979, p. 93-110, 7 figs., 4 tables.
- (427.) Sea surface temperature anomalies. By Douglas R. McLain. July 1979, p. 111-149, app. 1.
- (427.) Fluctuations of sea surface temperature and density at coastal stations during 1976. By Douglas R. McLain. July 1979, p. 151-166, 7 figs., app. 1.
- (427.) Data on cold weather conditions along the Atlantic and Gulf coasts during the fall and winter of 1976-77. By J. Lockwood Chamberlin and Reed S. Armstrong. July 1979, p. 167-174, 1 fig., 1 table.
- (427.) Wind driven transport Atlantic coast and Gulf of Mexico. By Merton C. Ingraham. July 1979, p. 175-208, 4 figs., 1 table, app. 1.
- (427.) Sea surface temperature distribution from Cape Cod, Massachusetts, to Miami, Florida - 1976. By Joseph W. Deaver III. July 1979, p. 209-229, 3 figs., 2 tables, app. 1.
- (427.) Water column thermal structure across the shelf and slope southeast of Sandy Hook, New Jersey, in 1976. By Steven K. Cook. July 1979, p. 231-257, 19 figs.
- (427.) Anticyclonic Gulf Stream eddies off the Northeastern United States during 1976. By David Mizenko and J. Lockwood Chamberlin. July 1979, p. 259-280, 16 figs., 2 tables.
- (427.) River runoff along the Middle Atlantic coast in 1976. By Elizabeth D. Haynes. July 1979, p. 281-287, 1 fig., 1 table, app. 1.
- (427.) Climatic conditions related to the fish kill and anoxia off New Jersey during the summer of 1976. By Reed S. Armstrong. July 1979, p. 289-300, 5 figs.
- (427.) Variations in the position of the shelf water front off the Atlantic coast between Georges Bank and Cape Romain in 1976. By John T. Gunn. July 1979, p. 301-314, 8 figs., 1 table.
- (427.) Temperature structure on the continental shelf and slope south of New England during 1976. By R. Wylie Crist and J. Lockwood Chamberlin. July 1979, p. 315-335, 2 figs., app. 1.
- (427.) Continuous plankton records: Zooplankton and net phytoplankton in the Mid-Atlantic Bight, 1976. By Daniel E. Smith and Jack W. Jossi. July 1979, p. 337-348, 7 figs.
- (427.) Siphonophore ("lipo") swarming in New England coastal waters—update, 1976. By Carolyn A. Rogers. July 1979, p. 349-352, 1 fig.
- (427.) Bottom-water temperatures in the Gulf of Maine and on Georges Bank during spring and autumn, 1976. By Clarence W. Davis. July 1979, p. 353-362, 6 figs., 3 tables.



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U.S. DEPARTMENT OF COMMERCE

Malcolm Baldrige, Secretary

National Oceanic and Atmospheric Administration

National Marine Fisheries Service

Terry Leitzell, Assistant Administrator for Fisheries

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Fishery Publication Index, 1975-79

LEE C. THORSON¹

ABSTRACT

The following series of fishery publications put out by the Scientific Publications Office of the National Marine Fisheries Service (National Oceanic and Atmospheric Administration) in calendar years 1975-79 are listed numerically and indexed by author and subject: Circular, Data Report, Fishery Bulletin, Marine Fisheries Review, and Special Scientific Report—Fisheries.

INTRODUCTION

This index includes those publication series put out by the Scientific Publications Office of the National Marine Fisheries Service, NOAA, issued from 1975 through 1979.

The index comprises a list of each publication series in numerical order and alphabetical indexes of authors and subjects.

This index is a continuation of the following: Fishery Publication Index, 1965-74, NOAA Technical Report NMFS Circular 400; Fishery Publication Index 1955-64, U.S. Fish and Wildlife Service Circular 296; Fishery Publication Index 1920-54, U.S. Fish and Wildlife Service Circular 36; and Publications of the United States Bureau of Fisheries 1871-1940, U.S. Fish and Wildlife Service Special Scientific Report—Fisheries 284.

PUBLICATION DISTRIBUTION

Copies of these publications, when available, may be obtained from D822, User Services Branch, Environmental Science Information Center, NOAA, Rockville, MD 20852.

Most publications are distributed free to libraries that have been designated depository libraries for Government publications; a list of depository libraries may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

REFERENCE SYMBOLS

The series are abbreviated as follows:

Circular	C
Data Report	D
Fishery Bulletin	FB
Marine Fisheries Review	MFR
Special Scientific Report—Fisheries	S

¹Scientific Publications Office, National Marine Fisheries Service, NOAA, 1700 Westlake Ave. N., Room 336, Seattle, WA 98109.

PUBLICATION SERIES

Circular

Popular and semitechnical publications of general and regional interest intended to aid conservation and management. They are distributed free to libraries, research institutions both in this country and in foreign countries, and Federal and State agencies.

Circular

330. EASTROPAC atlas. Volume 9—Physical oceanographic and meteorological data from principal participating ships, third survey cruise, February-March 1968, by Cuthbert M. Love (editor). February 1975, vii + 95 p., 132 figs.
330. EASTROPAC atlas. Volume 10—Biological and nutrient chemistry data from principal participating ships, third survey cruise, February-March 1968, by Cuthbert M. Love and Roy M. Allen (editors). December 1975, viii + 80 p., 144 figs.
330. EASTROPAC atlas. Volume 11—Physical oceanographic and meteorological data from Latin American ships and ships of opportunity, February 1967—March 1968, by Cuthbert M. Love and Roy M. Allen (editors). July 1977, xv + 129 p., 402 figs.
- 331-390. Published prior to 1975.

NOAA Technical Report NMFS CIRC

391. Calanoid copepods of the genera *Spinocalanus* and *Mimocalanus* from the central Arctic Ocean, with a review of the Spinocalanidae, by David M. Damkaer. June 1975, x + 88 p., 225 figs., 4 tables.
392. Fishery publications, calendar year 1974: Lists and indexes, by Lee C. Thorson and Mary Ellen Engett. June 1975, iv + 27 p., 1 fig.
393. Cooperative Gulf of Mexico estuarine inventory and study—Texas: Area description, by Richard A. Diener. September 1975, vi + 129 p., 55 figs., 66 tables.
394. Marine flora and fauna of the northeastern United States. Tardigrada, by Leland W. Pollock. May 1976, iii + 25 p., 1 fig.

395. Report of a colloquium on larval fish mortality studies and their relation to fishery research, January 1975, by John R. Hunter (editor). May 1976, iii + 5 p.
396. Whales, dolphins, and porpoises of the western North Atlantic. A guide to their identification, by Stephen Leatherwood, David K. Caldwell, and Howard E. Winn. August 1976, iv + 176 p., 168 figs., 1 table, 14 app. figs.
397. Marine flora and fauna of the northeastern United States. Cnidaria: Scyphozoa, by Ronald J. Larson. August 1976, iii + 18 p., 28 figs.
398. Marine flora and fauna of the northeastern United States. Higher fungi: Ascomycetes, Deuteromycetes, and Basidiomycetes, by A. R. Cavaliere. March 1977, iii + 49 p., 24 figs.
399. Marine flora and fauna of the northeastern United States. Copepoda: Harpacticoida, by Bruce C. Coull. March 1977, iii + 48 p., 100 figs.
400. Fishery publication index, 1965-74, by Mary Ellen Engett and Lee C. Thorson. March 1977, iii + 220 p.
401. Fisheries and fishery resources of New York Bight, by J. L. McHugh. March 1977, v + 50 p., 43 figs., 49 tables.
402. Guide to the identification of scorpionfish larvae (Family Scorpaenidae) in the eastern Pacific with comparative notes on species of *Sebastes* and *Helicolenus* from other oceans, by H. Geoffrey Moser, Elbert H. Ahlstrom, and Elaine M. Sandknop. April 1977, v + 71 p., 40 figs., 38 tables.
403. Marine flora and fauna of the northeastern United States. Sipuncula, by Edward B. Cutler. July 1977, iii + 7 p., 6 figs.
404. Revision of the sea basses of the genus *Diplectrum* (Pisces: Serranidae), by Stephen A. Bortone. September 1977, v + 49 p., 15 figs., 9 tables.
405. Marine flora and fauna of the northeastern United States. Echinodermata: Holothuroidea, by David L. Pawson. September 1977, iii + 15 p., 3 figs.
406. Marine flora and fauna of the northeastern United States. Copepoda: Lernaepodidae and Sphyrriidae, by Ju-Shey Ho. December 1977, iii + 14 p., 16 figs.
407. Distribution of decapod Crustacea off northeastern United States based on specimens at the Northeast Fisheries Center, Woods Hole, Massachusetts, by Austin B. Williams and Roland L. Wigley. December 1977, iii + 44 p., 2 figs., 1 table, 57 unnumbered figs.
408. Collection of tuna baitfish papers, by Richard S. Shomura (editor). December 1977, iii + 167 p.
- (408.) A summary of the tuna baitfish workshop, by Richard S. Shomura. December 1977, p. 1-7.
- (408.) A review on the use of live baitfishes to capture skipjack tuna, *Katsuwonus pelamis*, in the tropical Pacific Ocean with emphasis on their behavior, survival, and availability, by Wayne J. Baldwin. December 1977, p. 8-35.
- (408.) The Pacific tuna pole-and-line and live-bait fisheries, by Howard O. Yoshida, Richard N. Uchida, and Tamio Otsu. December 1977, p. 36-51.
- (408.) Desired characteristics of a bait for skipjack tuna, *Katsuwonus pelamis*, by Heeny S. H. Yuen. December 1977, p. 52-54.
- (408.) Estimates of the amount of nehu, *Stolephorus purpureus*, per bucket of bait in the Hawaiian fishery for skipjack tuna, *Katsuwonus pelamis*, by Thomas S. Hida and Jerry A. Wetherall. December 1977, p. 55-56.
- (408.) The fishery for nehu, *Stolephorus purpureus*, a live bait used for skipjack tuna, *Katsuwonus pelamis*, fishing in Hawaii, by Richard N. Uchida. December 1977, p. 57-62.
- (408.) Biology of the baitfishes *Herklotsichthys punctatus* and *Pranesus pinguis* in Majuro, Marshall Islands, by Thomas S. Hida and James H. Uchiyama. December 1977, p. 63-68.
- (408.) Observations of tuna bait species and their habitats in the Palau Islands, by Peter T. Wilson. December 1977, p. 69-74.
- (408.) Ponape live-bait observations, by Peter T. Wilson. December 1977, p. 75-80.
- (408.) Japanese skipjack tuna, *Katsuwonus pelamis*, baitfish surveys in the western and southwestern Pacific Ocean, by Shoji Kikawa. December 1977, p. 81-88.
- (408.) Distribution and abundance of baitfish resources in Papua New Guinea waters, by A. D. Lewis. December 1977, p. 89-94.
- (408.) Appraisal of the live-bait potential and handling characteristics of the common tuna bait species in Papua New Guinea, by B. R. Smith. December 1977, p. 95-103.
- (408.) Relationships amongst skipjack tuna, *Katsuwonus pelamis*, catch, bait catch, and the lunar cycle in Papua New Guinea skipjack tuna fishery, by R. E. Kearney. December 1977, p. 104-113.
- (408.) Catch statistics and abundance of nehu, *Stolephorus purpureus*, in Kaneohe Bay, by Jerry A. Wetherall. December 1977, p. 114-118.
- (408.) Some aspects of the population biology of *Stolephorus heterolobus* from Palau, by Robert G. Muller. December 1977, p. 119-126.
- (408.) Capture, transportation, and pumping of threadfin shad, *Dorosoma petenense*, by Robert T. B. Iversen and Jay O. Puffinburger. December 1977, p. 127-136.
- (408.) A commercial tilapia, *Tilapia mossambica*, hatchery for Hawaiian skipjack tuna, *Katsuwonus pelamis*, fishery—cost analysis and problematical study, by Bruce L. Crumley. December 1977, p. 137-148.
- (408.) Suitability of cultured topminnow *Poecilia vittata*, family Poeciliidae, as a live baitfish for skipjack tuna, *Katsuwonus pelamis*, in the tropical Pacific, by Wayne J. Baldwin. December 1977, p. 149-155.
- (408.) Some economic and technological aspects related to commercial production of the topminnow *Poecilia vittata*, by Samuel F. Herrick, Jr. December 1977, p. 156-159.
- (408.) Evaluation of bait substitution schemes in Hawaiian fishery for skipjack tuna, *Katsuwonus pelamis*, by Jerry A. Wetherall. December 1977, p. 160-167.
409. Marine flora and fauna of the northeastern United States. Copepoda: Cyclopoids parasitic on fishes, by Ju-Shey Ho. February 1978, iii + 12 p., 17 figs.
410. The 1976 *Ceratium tripos* bloom in the New York Bight: Causes and consequences, by Thomas C. Malone. May 1978, iv + 14 p., 17 figs., 1 table.
411. Systematics and biology of the tilefishes (Perciformes: Branchiostegidae and Malacanthidae), with descriptions of two new species, by James K. Dooley. April 1978, v + 78 p., 44 figs., 26 tables.
412. Synopsis of biological data on the red porgy, *Pagrus pagrus* (Linnaeus), by Charles S. Manooch III and William W. Hassler. May 1978, iii + 19 p., 12 figs., 7 tables.

413. Marine flora and fauna of the northeastern United States. Crustacea: Branchiura, by Roger F. Cressey. May 1978, iii + 10 p., 15 figs.
414. Synopsis of biological data for the winter flounder, *Pseudopleuronectes americanus* (Walbaum), by Grace Klein-MacPhee. November 1978, iii + 43 p., 21 figs., 28 tables.
415. A basis for classifying western Atlantic Sciaenidae (Teleostei: Perciformes), by Labbish Ning Chao. September 1978, v + 64 p., 41 figs., 1 table.
416. Ocean variability: Effects on U.S. marine fishery resources — 1975, by Julien R. Goulet, Jr. and Elizabeth D. Haynes (editors). December 1978, iii + 350 p.
- (416.) Summary, by Julien R. Goulet, Jr. December 1978, p. 3-87.
- (416.) Atmospheric climatology and its effect on sea surface temperature — 1975, by Robert R. Dickson and Jerome Namias. December 1978, p. 89-101.
- (416.) Climatic change in the Pacific Ocean—an update through 1975, by James H. Johnson, Douglas R. McLain, and Craig S. Nelson. December 1978, p. 103-125.
- (416.) Anomalies of coastal sea surface temperatures along the west coast of North America, by Douglas R. McLain. December 1978, p. 127-140.
- (416.) Coastal upwelling off western North America, 1975, by Andrew Bakun. December 1978, p. 141-149.
- (416.) Oceanic conditions between the Hawaiian Islands and the U.S. west coast as monitored by ships of opportunity — 1975, by J. F. T. Saur. December 1978, p. 151-168.
- (416.) The tuna fishery in the eastern tropical Pacific and its relationship to sea surface temperatures during 1975, by Forrest R. Miller. December 1978, p. 169-178.
- (416.) Equatorial Pacific anomalies and El Nino, by William H. Quinn. December 1978, p. 179-190.
- (416.) Sunspot activity and oceanic conditions in the northern North Pacific Ocean, by Felix Favorite and W. James Ingraham, Jr. December 1978, p. 191-196.
- (416.) A single-layer hydrodynamical-numerical model of the eastern Bering Sea shelf, by James R. Hastings. December 1978, p. 197-212.
- (416.) Variations in the position of the shelf water front off the Atlantic coast between Cape Romain and Georges Bank in 1975, by John T. Gunn. December 1978, p. 213-228.
- (416.) Wind-driven transport in 1975, Atlantic coast and Gulf of Mexico, by John T. Gunn. December 1978, p. 229-239.
- (416.) Spring and autumn bottom-water temperatures in the Gulf of Maine and Georges Bank, 1968-75, by Clarence W. Davis. December 1978, p. 241-256.
- (416.) Initiation of monthly temperature transects across the northern Gulf of Maine, by J. Lockwood Chamberlin, John J. Kosmark, and Steven K. Cook. December 1978, p. 257-269.
- (416.) Temperature structure on the continental shelf and slope south of New England during 1975, by J. Lockwood Chamberlin. December 1978, p. 271-292.
- (416.) Passage of anticyclonic Gulf Stream eddies through Deepwater Dumpsite 106 during 1974 and 1975, by James J. Bisagni. December 1978, p. 293-298.
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- (416.) The distribution and abundance, growth, and mortality of Georges Bank-Nantucket Shoals herring larvae during the 1975-76 winter period, by R. Gregory Lough. December 1978, p. 309-331.
- (416.) Impact of autumn-winter swarming of a siphonophore ("Lipo") on fishing in coastal waters of New England, by Carolyn A. Rogers. December 1978, p. 333-350.
417. Guide to the identification of genera of the fish order Ophidiiformes with a tentative classification of the order, by Daniel M. Cohen and Jørgen G. Nielsen. December 1978, vii + 72 p., 103 figs., 2 tables.
418. Annotated bibliography of four Atlantic scombrids: *Scomberomorus brasiliensis*, *S. cavalla*, *S. maculatus*, and *S. regalis*, by Charles S. Manooch III, Eugene L. Nakamura, and Ann Bowman Hall. December 1978, iii + 166 p.
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- (427.) Sea surface temperature anomalies, by Douglas R. McLain. July 1979, p. 111-149.
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- (427.) Siphonophore ("Lipo") swarming in New England coastal waters—update, 1976, by Carolyn A. Rogers. July 1979, p. 349-352.
- (427.) Bottom-water temperatures in the Gulf of Maine and on Georges Bank during spring and autumn, 1976, by Clarence W. Davis. July 1979, p. 353-362.
428. Morphological comparisons of North American sea bass larvae (Pisces: Serranidae), by Arthur W. Kendall, Jr. August 1979, iv + 50 p., 43 figs., 9 tables.
429. Synopsis of biological data on tunas of the genus *Euthynnus*, by Howard O. Yoshida. October 1979, iv + 57 p., 40 figs., 30 tables.

Data Report

Reports that include compilations of unanalyzed or partially analyzed data collected during biological, limnological, or oceanographic investigations. The reports are printed on microfiches and are distributed free to a restricted mailing list of laboratories, libraries, State fishery agencies, research institutions, and research scientists. This series was terminated after number 102.

98. Trawl catches and oceanographic data from NMFS surveys of the Gulf of Alaska pandalid shrimp resources, 1973, by Duane H. Petersen. February 1975, 206 p. on 3 microfiches.

99. Raritan Bay macrobenthos survey, 1957-1960, by David Dean. February 1975, 51 p. on 1 microfiche.
100. Distribution and abundance of macroinvertebrate species of six phyla in Tampa Bay, Florida, 1963-64 and 1969, by John R. Hall and Carl H. Saloman. March 1975, 505 p. on 8 microfiches.
101. Releases of anadromous salmon and trout from Pacific Coast rearing facilities, 1960 to 1973, by Roy J. Wahle, William D. Parente, Paula J. Jurich, and Robert R. Vreeland. April 1975, 443 p. on 7 microfiches.
102. Concentration of dissolved gases in the Willamette, Cowlitz, and Boise rivers, 1970-72, by Bruce H. Monk, Earl Dawley, and Kirk Beiningen. June 1975, 19 p. on 1 microfiche.

Fishery Bulletin

This series includes original research reports and technical notes on investigations in fishery science, engineering, and economics. Beginning in 1963 with volume 63, papers were bound together in a single issue of the bulletin instead of being issued individually. Beginning with volume 70, number 1, January 1972, the *Fishery Bulletin* became a periodical, issued quarterly.

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