

RECENT FISHERY PUBLICATIONS

Recent publications of interest to the commercial fishing industry are listed below.

FISH AND WILDLIFE SERVICE PUBLICATIONS

THESE PUBLICATIONS ARE AVAILABLE FREE FROM THE DIVISION OF INFORMATION, FISH AND WILDLIFE SERVICE, DEPARTMENT OF THE INTERIOR, WASHINGTON 25, D. C. TYPES OF PUBLICATIONS ARE DESIGNATED AS FOLLOWS:

CFS - CURRENT FISHERY STATISTICS OF THE UNITED STATES AND ALASKA.
 FL - FISHERY LEAFLETS.
 MDL - MARKET DEVELOPMENT SECTION LISTS OF DEALERS, LOCKER PLANTS, ASSOCIATIONS, ETC.
 SL - STATISTICAL SECTION LISTS OF DEALERS IN AND PRODUCERS OF FISHERY PRODUCTS AND BYPRODUCTS.
 SEP. - SEPARATES (REPRINTS) FROM COMMERCIAL FISHERIES REVIEW.

Number	Title
CFS-426	- Fish Meal and Oil, July 1948
CFS-427	- Maine Landings, July 1948
SL-101 (Revised)	- Firms Canning Salmon, 1947
SL-102 (Revised)	- Firms Canning Sardines, 1947
SL-103 (Revised)	- Firms Canning Tuna and Tuna-Like Fishes, 1947
SL-104 (Revised)	- Firms Canning Mackerel, 1947
Sep. 217	- Current Haddock Situation on Georges Bank
Sep. 218	- Fat in Fish Meal
Sep. 219	- Gulf Coast Shrimp Fisheries, January-June, 1948

ARTICLES BY FISH AND WILDLIFE SERVICE AUTHORS IN OTHER PUBLICATIONS

"Chemical Composition of Some Canned Fishery Products," by Ray Treichler, Charles F. Lee, and Norman D. Jarvis, Fishing Gazette, August 1948, p. 62, 73, 101. (Available from Fish and Wildlife Service as Fishery Leaflet 295.)

MISCELLANEOUS PUBLICATIONS

THE FOLLOWING PUBLICATIONS MAY BE OBTAINED, IN MOST INSTANCES, FROM THE AGENCIES ISSUING THEM.

Age and Length Composition of the Sardine Catch off the Pacific Coast of the United States and Canada, 1941-42 through 1946-47, by Frances E. Felin and Julius B. Phillips, Fish Bulletin No. 69, 126 p. and tables. Bureau of Marine Fisheries, Division of Fish and Game, California Department of Natural Resources, Sacramento, Calif., 1948. Starting with the 1941-42 season in California, a comprehensive program for scale collecting and age reading was undertaken jointly by the U. S. Fish and Wildlife Service and the California Division of Fish and Game. The Fisheries Research Board of Canada, the Washington State Department of Fisheries, and the Fish Commission of Oregon participated in the work of adding the collection of scales from sardines in northern waters, which were included in the age-reading project. This report deals with the first six seasons of age determinations and presents the age composition of catch without interpretation of the data. Except for 5 pages of introduction, the entire report consists of 100 tables. Tables 1-37 show, by seasons, the length composition of each age group in the samples for different areas along the coast in British Columbia, Washington, and Oregon; Tables 38-87 show, similarly, the same data for California by ports together with the Pacific Northwest summary, and a summary for the entire coast. Tables 88-93

give age composition of the catch in terms of numbers of fish caught in each port in California and in each separate political subdivision of the Pacific Northwest; Tables 94-99 show, by seasons, the mean length and standard error of the mean, and the number of fish upon which these are based for each year-class in each of the major regional subdivisions; and Table 100 shows calendar dates of lunar months for seasons 1941-42 through 1946-47.

"All the Fishes in the Sea," article, by J. Rodger Darling, *Fauna*, March 1948, vol. 10, no. 1, p. 3-8. The Zoological Society of Philadelphia, Philadelphia, Pa.

Catastrophic Mass Mortality of Marine Animals and Coincident Phytoplankton Bloom on the West Coast of Florida, November 1946 to August 1947, by Gordon Gunter, R. H. Williams, C. C. Davis, and F. G. Walton Smith, Contribution No. 14, 25 p. with figures and tables, printed, Marine Laboratory, The University of Miami, Coral Gables, Florida. Reprinted from Ecological Monographs, 18: 309-324, July 1948. Contains the observations, discussion, and summary of certain observations made by members of the staff of the Marine Laboratory of the University of Miami throughout the 1946-47 sequence of outbreaks of mortality of fishes and other marine animals on the lower west coast of Florida.

"The California Sea Lion Census for 1947," by Paul Bonnot and Wm. E. Ripley, article, California Fish and Game, July 1948, vol. 34, no. 3, p. 89-92, free, Division of Fish and Game, California Department of Natural Resources, San Francisco, Calif.

Common Marine Fishes of California, by Phil M. Roedel, Fish Bulletin No. 68, 154 p. with photos. Bureau of Marine Fisheries, Division of Fish and Game, California Department of Natural Resources, Sacramento, Calif., 1948. This bulletin is designed to provide authorized names for the more common marine fishes of California, and as a ready reference from which the fisherman or buyer can identify those species seen most often in the California commercial and the sport fisheries catch. It contains those species appearing with reasonable frequency in either the sport or the commercial catch giving for each species the official common name, unauthorized names, photo, relationship, distinguishing characteristics, distribution, fishing season, importance, and fishing gear used. In addition, the bulletin contains a list of official common names, notes on fishing gear, and a key for identifying the more common marine fishes found in the sport and commercial catch of California.

Current Fisheries Market Review and Outlook, 21 p. processed. Canadian Department of Fisheries, Ottawa, Canada, October 1948. Published for the information of the fishing industry, this booklet is a comprehensive analysis of the available information affecting markets for Canadian fishery products. It includes the following articles: "The Economic Situation in World Markets," "The World Food Situation," and "The Marketing of Canadian Fish." Similar reviews will be issued periodically.

European Programs of Agricultural Reconstruction and Development. Food and Agriculture Organization of the United Nations, Washington - Geneva, June 1948, 60 pages with tables, printed, price \$1.00. The purpose of this report is to delineate the general lines of the present programs of European nations for further agricultural reconstruction and development up to about 1950-51, to appraise some of the problems and difficulties which may arise in carrying these programs through, and to indicate fields in which action might be taken on national, European, and world levels to deal with these problems. The report mentions, only incidentally, the outlook for fisheries and the problems of the fishing industry.

Fish Commission Research Briefs, No. 1, Vol. 1, 23 p.; printed. Fish Commission of Oregon, Portland, Ore., April 1948, free. Short reports intended to inform public, industry, and other interested parties of the current studies of the Fish Commission and the basis for Oregon's conservation measures. Will be published three or four times a year when studies are sufficiently complete to provide reliable biological evidence for conclusions upon which regulations are based. This booklet contains brief articles outlining the Biological Research Program of the Oregon Fish Commission; the Winter Steelhead Run of the Umpqua River, 1946-1947; Vitamin A Content of Hake Livers and Viscera; and Size of the Willamette River Spring Chinook Salmon Run, 1947.

Foreign Market Notes--Fish and Fish Products (Arthur M. Sandberg Reports on the Market Situation in France, the United Kingdom, and Ireland), Foreign Agriculture Circular, October 25, 1948, 4 p., mimeographed. Office of Foreign Agricultural Relations, U.S. Department of Agriculture, Washington, D. C., free. Preliminary report of a study of foreign market outlets for and competition with United States fish and fish products, conducted under the provisions of the Research and Marketing Act.

Fourth Annual Report 1947, 204 p., illus, with photos and tables, printed. Maryland Board of Natural Resources, State Office Building, Annapolis, Md., December 1947. Presents the operations of the various Maryland conservation departments associated with the Board of Natural Resources for the fiscal year 1947, and includes those departments concerned with commercial and sport fishing. This report gives the background of and the Maryland legislation affecting commercial fishes, the crab fishery, the oyster fishery, and the Potomac River fishery. In addition, it contains a report on the oyster problem in the Chesapeake Bay. Investigations conducted on fish, oysters, crabs, diatoms, and fresh-water algae are also reported upon. Statistics and catch records of the fish and shellfish produced or landed in the State of Maryland, by species and by gear, are given for the year 1946, except for oysters which are for the fiscal year 1947.

The International Trade Organization, report by Hon. James G. Fulton, Pennsylvania and Hon. Jacob K. Javits, New York, 120 p., printed. For the use of the Committee on Foreign Affairs, 80th Congress, 2nd Session. It is an appraisal of the Havana Charter in relation to the United States Foreign Policy, with a definitive study of its provisions, and attempts to give assistance regarding the complex problems involved in developing a better pattern for world trade. The first section relates the essential facts of the sequence of events in the development of the charter of the proposed International Trade Organization; the second, states briefly the provisions of the charter in relation to its main aims and in relation to current practices of the U. S. Government; and the third, evaluates the charter in relation to the objectives of United States foreign policy. In addition, the appendix contains the text of the charter. Among other items, the Charter covers regulations and policies on tariffs, imports, exports, and inter-Governmental commodity agreements to be observed by member countries.

Light List Atlantic and Gulf Coasts of the United States, CG-158, 844 p., printed. United States Coast Guard, Treasury Department, Washington, D. C., 1948. This list, published annually and corrected to January 1, 1948, describes all aids to navigation maintained by or under authority of the U. S. Coast Guard, on the Atlantic and Gulf Coasts of the United States, from St. Croix River, Maine, to the Rio Grande and including the U. S. West Indian Islands. Unlighted buoys and daybeacons are given at the end of this list. For sale by the Superintendent of Documents, Washington 25, D. C., \$2.25.

Light List Great Lakes, United States, and Canada, CG-159, 306 p., printed. United States Coast Guard, Treasury Department, Washington, D. C., 1948. This list, published annually and corrected to March 1, 1948, describes all aids to navigation and fog signals maintained by or under the authority of the U. S. Coast Guard and the Dominion of Canada on the Great Lakes and the St. Lawrence River above St. Regis River. In addition, it includes, at the end, a list of unlighted buoys and daybeacons in the U. S. waters. For sale by the Superintendent of Documents, Washington 25, D. C., \$1.00.

Light List Intracoastal Waterway of the United States, CG-135, 235 p. printed. United States Coast Guard, Treasury Department, Washington, D. C., 1948. This list, published annually and corrected to June 1, 1948, describes all aids to navigation maintained by or under authority of the United States Coast Guard on the Intracoastal Waterway and inside waters on the Atlantic and Gulf Coasts of the United States, from Norfolk, Va. to the Rio Grande. For sale by the Superintendent of Documents, Washington 25, D. C., 60 cents.

Light List Pacific Coast of the United States, CG-162, 444 p., printed. United States Coast Guard, Treasury Department, Washington, D. C., 1948. This list, published annually and corrected to January 1, 1948, describes all aids to navigation and fog signals maintained by or under authority of the U. S. Coast Guard on the Pacific Coast of the United States, and on the coasts of Alaska and the Hawaiian and outlying Pacific islands. Unlighted buoys and daybeacons in U. S. waters are at the

end of this list. It also includes the lighted aids to navigation on the coast of British Columbia, maintained by the Canadian Government. For sale by the Superintendent of Documents, Washington 25, D. C., \$1.00.

1947 Annual Bulletin, Bulletin No. 47, 150 p., illus.-photos., graphs, tables; printed. Washington Department of Fisheries, Seattle, Wash., August 1948. Includes report of the Technology, Biology, Hatchery, Stream Improvement, and other divisions. The investigations on the Puget Sound salmon, oysters, razor clams, crabs, and Columbia River are presented and discussed. Statistics on fishery production for Puget Sound, Columbia River, Grays Harbor, and Willapa Harbor districts are given combined and individually. A summary of orders of the Director of Fisheries promulgated since January 1, 1947, and a list of recommendations, are also included.

A Preliminary Population Study of the Yellowfin Tuna and the Albacore, by H. C. Godsil, Fish Bulletin No. 70, 94 p. with figures and tables, printed. Bureau of Marine Fisheries, Division of Fish and Game, California Department of Natural Resources, Sacramento, Calif., 1948. Although the two species of tuna reported in this bulletin are discussed separately, the introductory remarks and necessary explanations are for both species since the problems for both are so similar and the method of investigation identical. The report contains a brief description of the scope of the two investigations; the methods used and the reasons governing their selection; the results of the two individual studies; and an appendix which presents miscellaneous data which may be of interest to other workers.

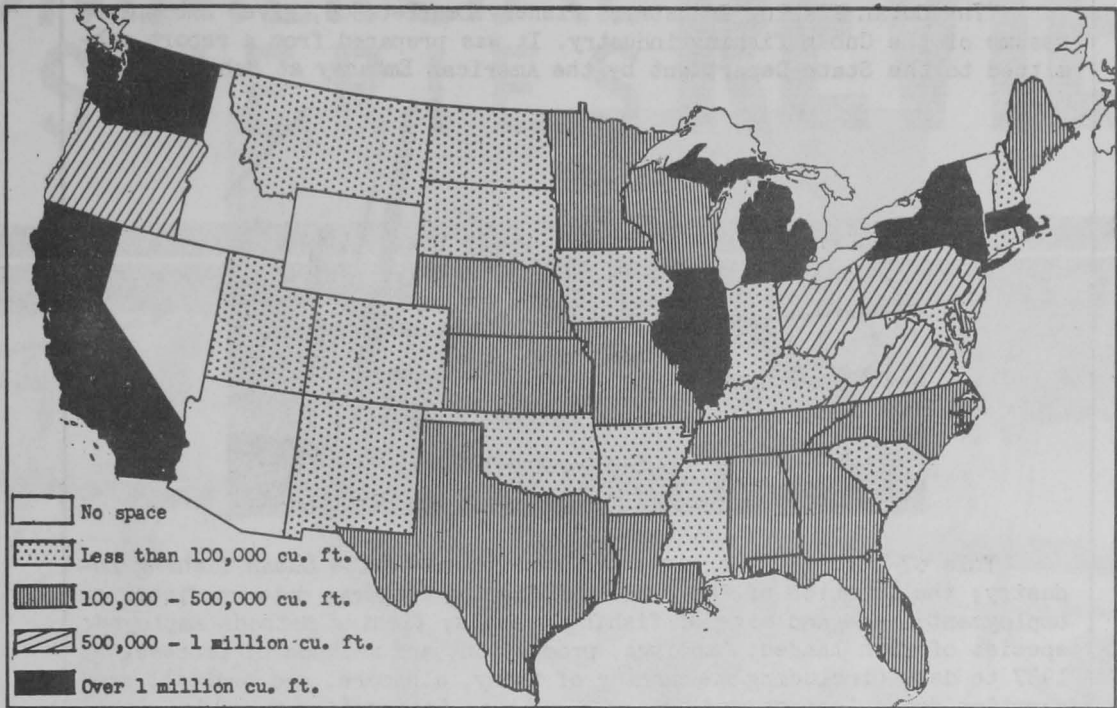
Regulation and Investigation of the Pacific Halibut Fishery in 1947, No. 13, 35 p., printed. Report of the International Fisheries Commission, Seattle, Wash., 1948. A general review of conditions and events in the Pacific halibut fishery and of the Commission's regulatory and investigational activities in 1947. Since the Commission has not heretofore published annual reports, this report includes some background material. In addition, it contains an appendix which gives the Pacific halibut fishery regulations, effective as of March 17, 1947.

The State of Food and Agriculture--1948 (A Survey of World Conditions and Prospects) C/48/8, 216 p. with tables and charts, printed. Food and Agriculture Organization of the United Nations, Washington, D. C., September 1948. A report prepared by the FAO at the request of member governments as a basic document for the intergovernmental consultations on plans and programs at the Fourth Session of the FAO Conference in November in Washington, but it is also addressed to the general public. It contains a chapter on fisheries products as well as a tabulation of the per capita consumption of fishery products in European countries, Australia, New Zealand, Canada, and the United States. Whaling statistics are found in the section covering fats and oils as well as in the chapter on fisheries products. This publication may be obtained for \$2.00 from the Food and Agriculture Organization, Longfellow Building, Washington, D.C.

Supplement 1 to United States Import Duties (1948), Miscellaneous Series TC 1.10: Im. 7/4/48 Supp. 1, 16 p., August 1, 1948, printed. U. S. Tariff Commission. Contains all changes in duty since June 15, 1948, up to and including August 1, 1948. Lists fish and fishery products among other items. Most of the new changes in duties result from Presidential proclamations making effective additional tariff concessions made by the United States provided for in the General Agreement on Tariffs and Trade negotiated last year at Geneva. Persons who already have the original document can obtain copies of the supplement without cost on request. New purchasers of the original document, United States Import Duties (1948), from the Government Printing Office, Washington 25, D. C., price \$2.00, will receive a copy of the supplement without additional charge.

"Surveys of World Fisheries," Fisheries Bulletin, September 1948, vol. 1, no. 2, p. 46-52. Food and Agriculture Organization of the United Nations, Washington, D. C. This article covers the British West African Colonies, Protectorates, and Trust Territories--Gambia, Sierra Leone, Gold Coast, Togoland, Nigeria, and British Cameroons. In future issues of the Fisheries Bulletin, similar surveys will be undertaken. In the beginning, attention will be mainly focused on those areas about which relatively little information has yet been made available.

DISTRIBUTION OF NET COLD STORAGE SPACE SUITABLE FOR STORING FISH,
BY STATES, OCTOBER 1, 1947



COLD STORAGE SPACE IN WAREHOUSES HANDLING FISH,
OCTOBER 1, 1947

State or Region	No. of firms	Freezer	Cooler
		29° F. and below 1,000 cu. ft.	Above 29 through 50° F. 1,000 cu. ft.
Maine	4	169	-
Massachusetts	16	1,341	468
Other States	2	10	4
New England	22	1,520	478
New York	22	1,604	502
New Jersey	9	768	83
Pennsylvania	19	644	106
Middle Atlantic	50	3,016	691
Ohio	15	571	6
Indiana	5	77	2
Illinois	7	862	235
Michigan	10	686	429
Wisconsin	6	168	40
E. North Central	43	2,364	712
Minnesota	6	342	39
Iowa	5	44	-
Missouri	5	239	-
Nebraska	4	121	3
Other States	5	117	4
W. North Central	25	863	46
Maryland	3	65	-

State or Region	No. of firms	Freezer	Cooler
		29° F. and below 1,000 cu. ft.	Above 29 through 50° F. 1,000 cu. ft.
Virginia	6	413	138
Georgia	6	100	1
Florida	6	140	-
Other States	6	171	202
South Atlantic	27	889	335
Tennessee	10	221	2
Alabama	4	103	-
Other States	4	50	104
E. South Central	18	374	106
Louisiana	5	112	-
Texas	13	127	4
Other States	2	25	-
W. South Central	20	264	4
Colorado	3	33	25
Other States	6	45	2
Mountain	9	78	27
Washington	13	938	491
Oregon	7	577	55
California	21	1,409	85
Pacific	41	2,924	629
U. S. Total	255	12,292	3,022

This refrigerated space survey does not cover (1) storage space occupied by lockers of 25 cubic feet or less; (2) space owned by wholesale and retail distributors who do not store food for a period of thirty days or longer; (3) space in a plant operated as a part of a retail food business, hotel, or other establishment where persons are housed or fed; (4) space in plants owned and operated by the Armed Services.

Source: Production and Marketing Administration, U. S. Department of Agriculture

Processing -- Miscellaneous Service Division

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Compositors -- Margaret C. Harris and Norma D. Loeffel