

Foreign Fisheries Market Reports Available

The NMFS Branch of Foreign Fisheries Analysis continuously receives reports on fisheries from the two U.S. Regional Fishery Attaches and various U.S. diplomatic posts. The Branch sends the most interesting reports to the Department of Commerce for distribution through its National Technical Information Service (NTIS), Springfield, VA 22161.

Some of these reports, as well as materials prepared independently by the Branch and the NMFS Southeast Regional Office, are published as Foreign Fishery Leaflets or as International Fishery Reports. Reports are currently available on over 70 countries and regions. Some of these are described below. About half of all those available through NTIS (Africa-Morocco), as of 3 January 1983, are listed thereafter in Table 1; the remainder will be printed in the *Marine Fisheries Review* next month.

Exporting Products to Japan

The U.S. Embassy in Tokyo has prepared a 43-page handbook entitled "Exporting U.S. Fishery Products to Japan." The booklet includes background information on the Japanese fisheries market and suggested business practices, types of packaging, financing, and shipping. Also included in the handbook as appendices are lists of import quotas, tariff rates, Japanese names for fish and shellfish species, and business contacts. U.S. companies can obtain a copy of the report for \$5.00 by requesting report number ITA-82-11-029 from NTIS.

Japan's Fish Market

The U.S. Regional Fisheries At-

tache in Tokyo, Robert Iversen, has prepared a 22-page report entitled "The Japanese Market and Import of Fishery Products-1980." The report contains 7 pages of text and 14 pages of tables, and includes sections describing the Japanese catch, imports, the import quota system, import regulations, and Japanese consumption of fishery products. The report examines the Japanese salmon market since salmon is the most important U.S. fishery export to Japan and the Japanese are attempting to increase domestic production. A copy may be obtained by sending \$6.00 to NTIS and requesting report number ITA-82-06-007.

A Seafood Trade Mission to Japan

The National Marine Fisheries Service and the Gulf and South Atlantic Fisheries Development Foundation conducted a seafood trade mission to Japan on 15-26 March 1982 to assess the market for fish caught in the Gulf of Mexico and the South Atlantic. Fishery exhibitions were held in Tokyo, Kobe, and Fukuoka.

NMFS International Trade Specialist, E. Moret Smith, has prepared a 51-page report on these exhibitions with pertinent information on exporting U.S. fishery products to Japan. Part one includes information on Japanese wholesale markets, major Japanese wholesale purchasers, Japanese packaging methods, and Japanese agents for U.S. exporters. Part two includes information on marketing and sales prospects in Japan for such individual species and products as crevalle, croakers, moon-

fish, black mullet, blue runners, sheepshead, blackfin tuna, clams, clam juice and powder, conches, shrimp, flounder, porgies, redfish drums, red snapper, catfish, sea urchin, scallops, king mackerel, fish meal, bluefish, little tunny, sharks, and others. U.S. companies can obtain a copy of the report entitled "Foodex '82 and Trade Mission (Japan, USA)" for \$5.00 by requesting report number ITA-82-11-031 from NTIS.

Hokkaido Fisheries

Fishermen from Hokkaido, Japan's northernmost island, took over 15 percent of Japan's total fisheries catch in 1981. Hokkaido's fishing industry employs about 42,500 workers directly and an additional 80,000 indirectly in processing and storing industries and equipment-manufacturing. Hokkaido is a net importer of fishery products with imports from the United States totaling \$100 million in 1981.

The fishing industry on Hokkaido has been affected by the international events of the past 10 years, especially the implementation of a 200-mile zone by coastal countries. The many small, independent fishing vessel owners and fishery processors have had difficulty obtaining catch quotas in the zones of neighboring countries where they have fished traditionally. The island has been forced to purchase increasing amounts of fishery products on the world market as its access to traditional fishing grounds has diminished. The widely fluctuating prices on the world fisheries markets have often had a detrimental effect on the island's economy because of its increasing dependence upon these markets.

The U.S. Consulate in Sapporo, Japan, has prepared a 7-page report titled "Hokkaido Fishing: Under Pressure for Change in the 1980's." The report includes background information and an analysis of the problems faced by the island's fishing industry. U.S. companies can obtain a copy of the report for \$5.00 by requesting report number ITA-82-10-023 from NTIS.

Table 1.—Foreign Fishery reports available from NTIS (Africa-Morocco).

Country/ Region	Title	Pages	Order no.	Price	Country/ Region	Title	Pages	Order no.	Price
World	"Responses and adjustments of Foreign Fleets to Controls Imposed by Coastal States, 1978"	49	DIB 79-03-034	\$ 8.50	Indonesia	"Fishing Industry Report, 1979"	25	DIB 80-05-004	7.00
	"Atlantic Salmon ..2	25	DIB 80-03-024	8.50	Ireland	"Fishery Developments, 1978"	13	DIB 79-10-004	7.00
Africa	"Possibilities of Expanding Exports of Fishery Products by Air 1977"	6	DIB 78-02-029	7.00	Ivory Coast	"Prospects for Fisheries, 1976"	7	DIB 77-11-031	7.00
	"Government and Industry Fishery Organizations, 1979"	116	DIB 80-04-006	13.00	Japan	"Direction of Technological Development" (Hatcheries and Stock Preservation)	21	DIB 76-06-012	7.00
	"African Markets for South-eastern Fish Species, 1979" ⁴	18	DIB 80-07-014	7.00		"Fisheries, 1975" ³	59	DIB 78-01-039	10.00
	"Recent Developments, 1980"	7	DIB 80-07-204	7.00		"Marketing Consumer Products in Japan, 1976"	18	DIB 76-06-025	7.00
Angola	"Fisheries, 1974-76"	17	DIB 78-06-011	7.00		"Market Survey for Oceanographic, Offshore, Marine, Shipboard, Port, and Dockside Equipment in Japan, 1977"	124	DIB 78-02-505	11.00
Argentina	"Argentine-Spanish Joint Fishing Ventures, 1979" ^{1,2}	11	DIB 80-04-007	7.00		"Ocean Development, 1977"	33	DIB 78-04-038	8.50
	"Fishing Industry"	9	DIB 80-11-002	7.00		"Market for U.S. Fishery Products, 1978"	4	DIB 79-04-004	7.00
	"Fishing Industry Crisis in 1980" ²	9	DIB 81-01-012	7.00		"Market for Blackfin Tuna, 1980" ⁵	10	DIB 80-07-021	7.00
	"Fishing Industry, 1980"	52	ITA 81-11-036	6.00		"Gateway to Oriental Markets" ⁵	74	DIB 80-10-011	10.00
	"Fishing Industry, 1981"	11	ITA 82-11-027	6.00		"Market and Import of Fishery Products" ⁴	23	ITA 82-06-007	6.00
Asia	"Handbook for Exporting Seafoods to the Orient, 1979" ⁵	60	DIB 80-07-016	10.00		"Market Report" ⁵	43	ITA 82-11-029	6.00
	"Buyer Contacts Made at USDA Red Meat, Poultry, and Fish Exhibit in Japan, Korea (ROK), and Hong Kong" ⁵	15	DIB 80-07-402	7.00	Kenya	"Foodex '82"	51	ITA 82-11-031	6.00
	"Gateway to Oriental Markets" ⁵	74	DIB 80-10-011	10.00	Korea (ROK)	"Fisheries, 1975" ^{1,4}	23	DIB 78-06-009	7.00
Ecuador	"Fisheries, 1975"	14	DIB 76-11-014	7.00		"Market Brief: Fishing Equipment, 1978"	9	DIB 78-11-012	7.00
	"Fisheries, 1977"	49	DIB 77-12-038	8.50		"Recent Trends in Fisheries, 1978"	10	DIB 79-03-007	7.00
	"Fisheries, 1978"	40	DIB 79-03-006	8.50		"Harbor, Dockside, and Marine Equipment, 1979"	31	DIB 80-05-504	11.00
	"Fisheries, 1979"	11	DIB 80-03-010	7.00		"Gateway to Oriental Markets" ⁵	74	DIB 80-10-011	10.00
	"Market Study: Commercial Fishing Equipment, 1980"	29	DIB 80-10-002	8.50	Kuwait	"Special Fisheries Report, 1980" ⁵	21	DIB 80-07-018	7.00
	"Fisheries, 1979-80"	16	DIB 81-01-015	7.00		"Government and Industry Organization, 1978" ^{1,2}	176	DIB 78-11-015	17.50
	"Shrimp Fishery 1980-81" ^{1,2}	16	ITA 81-11-046	6.00	Latin America	"Fishery Developments, 1979-80" ²	26	DIB 80-09-004	8.50
	"Fisheries, 1981"	37	ITA 82-03-033	6.00		"Foreign Fishery Policies" ²	8	ITA 81-11-042	6.00
Egypt	"Fisheries Status Report, 1976" ²	10	DIB 77-11-033	7.00		"Fisheries, 1976" ^{1,4}	21	DIB 77-12-041	7.00
	"Fisheries, 1977"	47	DIB 78-07-029	8.50		"Fisheries, 1974" ^{3,4}	25	DIB 77-08-043	7.00
El Salvador	"Market for Processed Fish and Shellfish, 1977"	26	DIB 78-01-034	8.50		"Fisheries, 1976-77" ⁴	14	DIB 78-08-031	7.00
Equatorial Guinea	"Fisheries of Equatorial Guinea and Cameroon, 1980"	9	ITA 81-11-047	6.00	Liberia	"An Assessment of Seafood Markets in Guadeloupe and Martinique, 1982"	13	ITA 82-09-002	7.00
Ethiopia	"Fisheries, 1978"	3	DIB 79-10-009	7.00	Madagascar	"Fishing Companies, 1974" ^{1,4}	20	PB 261-862	7.00
Gabon	"Fishing Industry, 1979"	4	DIB 80-03-012	7.00	Malaysia	"Fisheries, 1974" ^{3,4}	37	DIB 77-08-044	8.50
Gambia	"Fisheries, 1977" ^{3,4}	8	DIB 78-07-027	7.00	Martinique	"International Fishery Relations" ^{3,4}	9	DIB 77-08-039	7.00
Germany (FRG)	"German Squid Market, 1976"	5	DIB 77-03-032	7.00	Mauritania	"Fisheries, 1981"	10	ITA 82-10-002	6.00
	"Fishery Policy and Catches, 1977-78"	6	DIB 78-12-031	7.00		"Fisheries Development Plan, 1977" ²	4	DIB 77-11-034	7.00
	"Food Buyer Contacts Made at ANGUA, World Food Market, 1979" ⁵	50	DIB 80-07-400	8.50	Mexico	"Latest Developments in Fisheries, 1977" ²	9	DIB 77-11-036	7.00
Ghana	"Fisheries, 1976" ^{1,3}	28	DIB 78-06-008	8.50		"Fishing Industry Equipment, 1979"	12	DIB 79-10-002	7.00
Greece	"Potential for Increasing Exports of U.S. Fishery Products to Greece, 1981" ⁵	25	ITA 82-03-003	6.00		"Fisheries Policy and the Underdevelopment of Inshore Pacific Mexico, 1979"	45	PB 297-160/AS	8.50
Guadeloupe	"An Assessment of Seafood Markets in Guadeloupe and Martinique, 1982"	13	ITA 82-09-002	6.00		"Fishery Development, 1979" ²	46	DIB 80-07-017	8.50
Guyana	"Fisheries, 1980" ²	6	DIB 80-07-022	7.00		"Market Survey for Commercial Fishing Equipment, 1980"	162	DIB 80-08-506	11.00
Haiti	"Fish Imports and Consumption 1975"	3	DIB 77-08-005	7.00		"Fishing Industry, 1979-80" ^{1,4}	7	DIB 80-10-009	7.00
Honduras	"Fisheries, 1980" ^{1,4}	10	ITA 81-11-040	6.00		"Fisheries, 1980" ^{1,2}	9	ITA 81-11-041	6.00
Hong Kong	"Fisheries, 1978" ^{1,4}	25	DIB 79-10-008	7.00		"Fishery Importers, 1981"	10	ITA 81-11-045	6.00
	"Gateway to Oriental Markets" ⁵	74	DIB 80-10-011	7.00		"The Fishing Industry, 1980" ⁴	25	ITA 82-01-012	6.00
Iceland	"Fishing Industry, 1976" ^{1,4}	8	DIB 77-08-009	7.00		"Fishery Cooperatives"	80	ITA 82-01-013	6.00
	"Fishing Industry, 1977"	4	DIB 78-12-032	7.00		"The Fishing Industry, 1981" ^{1,4}	11	ITA 82-03-034	6.00
	"Fishing Industry, 1981-82"	25	ITA 82-09-001	7.00		"Expansion of the Mexican Tuna Fleet, 1982" ^{1,2}	12	ITA 82-07-004	6.00
India	"Indian Fisheries: Problems and Prospects, 1977"	16	DIB 78-03-019	7.00	Middle East	"Government and Industry Fishery Organizations, 1979"	26	PB 207-003	8.50
	"Market Research: Ships, Ports, Fish, Fish Processing, and Oceanographic Equipment, 1979"	127	DIB 80-03-502	11.00	Morocco	"Fisheries, 1975" ^{1,4}	144	DIB 77-08-010	14.50
	"Fisheries: Problems and Prospects, 1980"	10	ITA 81-11-034	6.00		"International Fishery Relations, 1977" ^{1,4}	6	DIB 77-11-030	7.00
	"Fishing Industry, 1982"	11	ITA 82-10-021	6.00		"Fisheries, 1979"	8	DIB 80-08-009	7.00

¹See also regional listings for Africa, Asia, Caribbean, Latin America, and the Middle East.

²Previously released as an "International Fishery Report" by the Branch of Foreign Fisheries Analysis, NMFS.

³Previously released as a "Foreign Fishery Leaflet."

⁴Prepared by the Regional Fishery Attache.

⁵Prepared by the Commercial Development Services Branch in the NMFS Southeast Regional Office.

NOTE: NTIS prices are subject to change without notice. For current price information call (703) 487-4650.

A Guide to the Fish of Minnesota

With over 12,000 lakes and 15,000 linear miles of streams (plus a large portion of Lake Superior), Minnesota's variety of freshwater habitats provide a wide diversity of fishes with sport, commercial, esthetic, and scientific values. A new book, "**Fishes of the Minnesota Region**" by Gary L. Phillips, William D. Schmid, and James C. Underhill, published by the University of Minnesota Press, Minneapolis, MN 55414, provides an excellent and handy guide to the state's 149 fishes (135 native and 14 introduced), giving brief discussions of their classification, distribution, and life histories. Eighty-eight are illustrated in a series of outstanding photographs made from live specimens in a fish tank. Schmid and Underhill are biology professors at the University of Minnesota; Phillips, a science editor and ichthyologist, received his doctorate in zoology from the University.

A key allows the reader to identify fish as a member of one of the 26 families represented: Acipenseridae, Amiidae, Anguillidae, Aphredoderidae, Atherinidae, Catostomidae, Centrarchidae, Clupeidae, Cottidae, Cyprinidae, Cyprinodontidae, Esocidae, Gadidae, Gasterosteidae, Hyodontidae, Ictaluridae, Lepisosteidae, Osmeridae, Percichthyidae, Percidae, Percopsidae, Petromyzontidae, Polyodontidae, Salmonidae, Sciaenidae, and Umbridae. An aid to identification helps guide nontechnical readers through the key.

The origin of the scientific name is given for each species, as is its general description, biology, range, and use. In addition, other noteworthy data such as historical notes, usual foods, angling tips, record sizes, etc. are often included. A glossary is provided as are selected references. Additional information is provided on fish conservation, using fish as food, habitat changes, introduced fishes, and photographic techniques used.

Very well written and illustrated with excellent photographs, this authoritative guide will be useful to anyone interested in the fish of this

region. The 248-page volume is available from the publisher at \$25 (hardbound) or \$12.95 (paperback).

Research, Conservation Manual for Sea Turtles Is in Second Printing

The "Sea Turtle Manual of Research and Conservation Techniques" has been prepared for the Western Atlantic Turtle Symposium (WATS) which is scheduled for 17-22 July 1983 in San Jose, Costa Rica. The manual is authored by Peter C. H. Pritchard, Peter R. Bacon, Frederick H. Berry (Secretary for WATS), John Fletemeyer, Archie Carr, Robert M. Gallagher, Robert R. Lankford (Administrator for WATS), Rene Marquez M., Larry H. Ogren, William G. Pringle, Jr., Henry M. Reichart, and Ross Witham.

With supplies of the first edition nearly exhausted, a second edition has been prepared by editors Karen Bjorndal and George Balazs and the 12 authors and is scheduled for publication before or during July 1983, in both English and Spanish editions. It will cost US\$7.00 and announcements of final cost and publishing date will be mailed to all who write: WATS Sea Turtle Manual, c/o National Marine Fisheries Service, 75 Virginia Beach Drive, Miami, FL 33149.

Wild Pacific Salmon and Their Problems

"**Mountain in the Clouds,**" by Bruce Brown and published by Simon and Schuster, 1230 Avenue of the Americas, New York, NY 10020, is subtitled "A Search for the Wild Salmon." Rather than a detailed analysis, it mostly relates the author's personal journalistic investigations into the lives and problems of the Pacific salmon, *Oncorhynchus* spp., in the State of Washington. Utilizing old newspaper and government records and archives and interviews with environmentalists, Indian leaders, and biologists, the author sketches a history of the exploitation

of Washington's salmon resource, the exploitation and degradation of its habitats, and efforts at propagation, protection, management, etc. Some of it is straight narrative, some historical notes, and some speculation.

A newspaper writer, the author goes into some detail on Indian treaties and salmon (via the Boldt Decision), hatchery efforts at restoration (which he considers failures), and effects of lumbering and dam construction on salmon. He seems to have little regard for State or Federal officials, politicians, or private industry, and longs for commonly owned land and salmon. The book does, however, illustrate the ease in pointing fingers at people and problems and the difficulty in producing good, workable solutions. Unindexed, the 239-page hardbound volume is available from the publisher for \$12.95.

South African Fisheries Results Mixed in 1981

South Africa's 1981 fishing season showed mixed results. It was a poor year for the demersal fishery, but the pelagic catch was satisfactory. The rock lobster catch was sharply lower and the catch quota reduced by 19 percent to protect the stocks. The total catch was the same as in 1980, but the catch of several of the most important species declined. Several members of South Africa's Parliament complained that the Government's fishery management program was inadequate in light of these declines. The South African Government claims that the management program is sound, but that both foreign and domestic fishermen have been violating fishing regulations. The Government announced that it plans to intensify its enforcement of fishery regulations.

The U.S. Consulate General in Cape Town has prepared a 12-page report discussing South African fisheries in 1981-82. U.S. companies can obtain a copy of this report for \$5.00 by ordering report number ITA-82-09-004 from NTIS, Department of Commerce, Springfield, VA 22161.