

Foreign Fisheries Market Reports Available from NTIS

The Division of Foreign Fisheries Analysis, National Marine Fisheries Service, NOAA, continuously receives reports on fisheries from the two U.S.

Regional Fishery Attaches and various U.S. diplomatic posts. The Division sends the most interesting reports to the Department of Commerce for dis-

tribution through the National Technical Information Service (NTIS).

Some of these reports, as well as materials prepared independently by the Division and the NMFS Southeast Regional Office, are published as *Foreign Fishery Leaflets* or as international fishery reports. There are currently 191 reports available on 74 countries and regions. Fishery reports available as of 15 April 1982, are listed below and may be ordered from NTIS, U.S. Department of Commerce, Springfield, VA 22161.

Country/ Region	Title	Pages	Order no.	Price	Country/ Region	Title	Pages	Order no.	Price
World ¹	"Responses and Adjustments of Foreign Fleets to Controls Imposed by Coastal States, 1978"	49	DIB 79-03-034	\$ 6.50	Colombia	"Market Assessment, 1980"	7	ITA 81-11-037	\$ 5.00
	"Atlantic Salmon" ^{1,2}	27	DIB 80-03-024	6.50	Denmark	"Fisheries, 1974" ^{3,4}	12	DIB 78-01-038	5.00
Africa	"New Global Fishing Regime: Impact and Response"	7	PB 80-928004	6.50		"Fisheries, 1975" ^{3,4}	7	DIB 77-08-042	5.00
	"Possibilities of Expanding Exports of Fishery Products by Air 1977"	6	DIB 78-02-029	5.00	Djibouti	"Fisheries, 1976" ⁴	22	DIB 77-10-027	5.00
	"Government and Industry Fishery Organizations, 1979"	116	DIB 80-04-006	11.00		"Small Scale Fisheries Development, 1978"	97	DIB 79-10-500	10.00
	"African Markets for Southeastern Fish Species, 1979" ⁴	18	DIB 80-07-014	5.00	Ecuador	"Fisheries, 1975"	14	DIB 76-11-014	5.00
	"Recent Developments, 1980"	7	DIB 80-07-024	5.00		"Fisheries, 1977"	49	DIB 77-12-038	6.50
	"Argentine-Spanish Joint Fishing Ventures, 1979" ²	11	DIB 80-04-007	5.00		"Fisheries, 1978"	40	DIB 79-03-006	6.50
Argentina	"Fishing Industry"	9	DIB 80-11-002	5.00		"Fisheries, 1979"	11	DIB 80-03-010	5.00
	"Fishing Industry Crisis, 1980" ³	9	DIB 81-01-012	5.00		"Market Study: Commercial Fishing Equipment, 1980"	29	DIB 80-10-002	6.50
	"Fishing Industry, 1980"	52	ITA 81-11-036	8.00		"Fisheries, 1979-80"	17	DIB 81-01-015	5.00
						"Shrimp Fishery 1980-81" ²	16	ITA 81-11-046	5.00
Asia	"Handbook for Exporting Seafoods to the Orient, 1979" ⁵	60	DIB 80-07-016	8.00		"Fisheries, 1981"	41	ITA 82-03-033	5.00
	"Buyer Contacts Made at USDA Red Meat, Poultry, and Fish Exhibit held in Japan, Korea (ROK), and Hong Kong" ⁵	15	DIB 80-07-402	5.00		"Shrimp Fishery, 1980-81"	16	ITA 81-11-046	5.00
	"Gateway to Oriental Markets" ⁵	74	DIB 80-10-011	8.00		"Fisheries, 1981"	41	ITA 82-03-033	5.00
Australia	"Market Research Concerning Fishing and Fish Processing Sector, 1978"	52	DIB 78-11-014	8.00	Egypt	"Fisheries Status Report, 1976" ²	10	DIB 77-11-033	5.00
	"Fishing Industry, 1980"	16	ITA 81-08-006	5.00		"Fisheries, 1977"	50	DIB 78-07-029	6.50
Belgium	"Market for Fishery Products, 1978"	12	DIB 79-10-005	5.00	El Salvador	"Market for Processed Fish and Shellfish, 1977"	26	DIB 78-01-034	6.50
Belize	"Fisheries, 1980" ⁴	14	ITA 81-08-008	5.00		"Fisheries of Equatorial Guinea and Cameroon, 1980"	9	ITA 81-11-047	5.00
Brazil	"The Fishing Industry in Brazil, 1976"	16	DIB 77-03-004	5.00	Ethiopia	"Fisheries, 1978"	3	DIB 79-10-009	5.00
	"The Brazilian Lobster Industry, 1976" ³	20	DIB 79-03-005	5.00	Gabon	"Fishing Industry, 1979"	4	DIB 80-03-012	5.00
	"The Fishing Industry, 1977"	19	DIB 78-06-006	5.00	Gambia	"Fisheries, 1977" ^{3,4}	8	DIB 78-07-027	5.00
	"The Fishing Industry, 1978"	16	DIB 79-03-004	5.00	Germany (FRG)	"German Squid Market, 1976"	5	DIB 77-03-032	5.00
	"The Fishing Industry, 1979"	12	DIB 80-03-013	5.00		"Fishery Policy and Catches, 1977-78"	6	DIB 78-12-031	5.00
	"The Fishing Industry, 1980"	37	DIB 81-03-090	6.50		"Food Buyer Contacts Made at ANUGA, World Food Market, 1979" ⁵	50	DIB 80-07-400	7.00
	"The Fishing Industry, 1980"	25	ITA 81-08-041	5.00	Ghana	"Fisheries, 1976" ³	28	DIB 78-06-008	6.50
	"The Fishing Industry, 1981"	37	ITA 82-03-012	5.00	Greece	"Potential for Increasing Exports of U.S. Fishery Products to Greece, 1981" ⁵	25	ITA 82-03-003	5.00
Burundi	"Fishing Industry, 1975" ²	3	DIB 77-02-025	5.00		"Fisheries, 1980" ²	6	DIB 80-07-022	5.00
Cameroon	"Fisheries of Cameroon and Equatorial Guinea, 1980"	9	ITA 81-11-047	5.00	Guyana	"Fish Imports and Consumption, 1975"	3	DIB 77-08-005	5.00
Canada	"Fishery Resources in the Atlantic Region, 1978"	10	DIB 78-10-028	5.00	Haiti	"Fisheries, 1980" ⁴	10	ITA 81-11-040	5.00
	"Canadian Subsidies to the Fishing Industry, 1978"	9	DIB 79-03-026	5.00	Honduras	"Fisheries, 1978" ⁴	25	DIB 79-10-008	5.00
	"Fisheries in British Columbia, 1978"	8	DIB 79-10-003	5.00	Hong Kong	"Gateway to Oriental Markets" ⁵	74	DIB 80-10-011	5.00
Canary Islands	"Fishing Port at Santa Cruz de Tenerife, 1975" ⁴	10	DIB 77-12-040	5.00	Iceland	"Fishing Industry, 1976" ⁴	8	DIB 77-08-009	5.00
Caribbean	"7th Annual Carib-USA Food Exhibit"	10	ITA 81-11-038	5.00		"Fishing Industry, 1977"	4	DIB 78-12-032	5.00
Chile	"Fishing Industry, 1979"	31	DIB 80-03-030	6.50	India	"Indian Fisheries: Problems and Prospects, 1977"	16	DIB 78-03-019	5.00
						"Market Research: Ships, Ports, Fish, Fish Processing, and Oceanographic Equipment, 1979"	127	DIB 80-03-502	10.00
						"Fisheries: Problems and Prospects, 1980"	10	ITA 81-11-034	5.00
					Indonesia	"Fishing Industry Report, 1979"	25	DIB 80-05-004	5.00
					Ireland	"Fishery Developments, 1978"	13	DIB 79-10-004	5.00
					Ivory Coast	"Prospects for Fisheries, 1976"	7	DIB 77-11-031	5.00
					Japan	"Direction of Technological Development" (Hatcheries and			

Country/ Region	Title	Pages	Order no.	Price	Country/ Region	Title	Pages	Order no.	Price
	Stock Preservation)	21	DIB 76-06-012	\$ 5.00		"Fishing Industry, 1979"	8	DIB 81-01-014	\$ 5.00
	"Fisheries, 1975" ³	59	DIB 78-01-039	8.00		"Fishing Industry, 1980"	7	DIB 81-03-061	5.00
	"Marketing Consumer Products in Japan, 1976"	18	DIB 76-06-025	5.00	Panama	"Fishing Industry, 1973" ³	23	PB 246-597	5.00
	"Market Survey for Oceanographic, Offshore, Marine, Shipboard, Port, and Dockside Equipment in Japan, 1977"	124	DIB 78-02-505	10.00		"Fishing Industry, 1975"	26	DIB 76-09-027	6.50
	"Ocean Development, 1977"	33	DIB 78-04-038	6.50		"Fishing Industry, 1976"	54	DIB 77-10-019	8.00
	"Market for U.S. Fishery Products, 1978"	4	DIB 79-04-004	5.00		"Fishing Industry, 1977"	7	DIB 78-09-017	5.00
	"Market for Blackfin Tuna, 1980" ⁵	10	DIB 80-07-021	5.00		"Fishing Industry, 1978"	16	DIB 80-03-011	5.00
	"Gateway to Oriental Markets" ⁵	74	DIB 80-10-011	8.00		"Fishing Industry, 1979-80"	28	DIB 81-01-008	6.50
	"Fisheries, 1975" ⁴	23	DIB 78-06-009	5.00		"Fishing Equipment and Supplies, 1980"	45	ITA 81-10-043	6.50
Kenya	"Market Brief: Fishing Equipment, 1978"	9	DIB 78-11-012	5.00	Peru	"Fishing Industry, 1981"	25	ITA 82-01-012	5.00
Korea (ROK)	"Recent Trends in Fisheries, 1978"	10	DIB 79-03-007	5.00		"Fisheries Expansion, 1978" ²	7	DIB 80-03-021	5.00
	"Harbor, Dockside, and Marine Equipment, 1979"	31	DIB 80-05-504	10.00		"Reduction Fishing Restrictions, 1979" ²	8	DIB 80-03-022	5.00
	"Gateway to Oriental Markets" ⁵	74	DIB 80-10-011	8.00		"Fishery Developments, 1980" ²	5	DIB 80-07-023	5.00
Kuwait	"Special Fisheries Report, 1980" ⁵	21	DIB 80-07-018	5.00		"Fishing Industry, 1980" ²	6	DIB 81-01-013	5.00
Latin America	"Government and Industry Organization, 1971"	176	DIB 78-11-015	15.50		"Fishing Industry, 1979-80" ²	5	DIB 81-01-007	5.00
	"Fishery Developments, 1979-80"	26	DIB 80-09-004	6.50	Philippines	"Fishing Industry Developments, 1976" ²	5	DIB 77-03-002	5.00
	"Foreign Fishery Policies"	8	ITA 81-11-042	5.00		"Fisheries, 1978" ⁴	24	DIB 79-10-006	5.00
Liberia	"Fisheries, 1976" ⁴	21	DIB 77-12-041	5.00		"Fisheries, 1979"	19	DIB 80-10-010	5.00
Madagascar	"Fisheries, 1974" ^{3,4}	25	DIB 77-08-043	5.00		"Fishing Industry, 1979-80"	6	DIB 80-12-012	5.00
Malaysia	"Fisheries, 1976-77" ⁴	14	DIB 78-08-031	5.00	Poland	"Current State of Polish Fishing Industry, 1980"	5	ITA 81-11-032	5.00
Mauritania	"Fishing Companies, 1974" ⁴	20	PB 261-862	5.00		"Fishing Industry, 1980"	10	DIB 81-03-056	5.00
	"Fisheries, 1974" ^{3,4}	37	DIB 77-08-044	6.50	Portugal	"Fishing Industry, 1980"	10	DIB 81-03-056	5.00
	"International Fishery Relations" ^{3,4}	9	DIB 77-08-039	5.00	Saudi Arabia	"Fishing Industry, 1978"	8	DIB 79-04-011	5.00
Mexico	"Fisheries Development Plan, 1977" ²	4	DIB 77-11-034	5.00	Senegal	"Lobster Fishery, 1976" ²	6	DIB 77-11-037	5.00
	"Latest Developments in Fisheries, 1977" ²	9	DIB 77-11-036	5.00		"Fisheries, 1975-76" ³	10	DIB 78-10-029	5.00
	"Fishing Industry Equipment, 1979"	12	DIB 79-10-002	5.00		"Industry Market Study, 1980"	27	ITA 81-08-005	5.00
	"Fisheries Policy and the Underdevelopment of Inshore Pacific Mexico, 1979"	45	PB297-160/AS	6.50	Sierra Leone	"Fisheries, 1976" ⁴	32	DIB 77-08-008	6.50
	"Fishery Development, 1979" ²	46	DIB 80-07-017	6.50	Singapore	"Fisheries, 1976-77" ⁴	8	DIB 78-08-030	5.00
	"Market Survey for Commercial Fishing Equipment, 1980"	162	DIB 80-08-506	10.00	S. Africa	"Fishing Industry, 1975-76"	15	DIB 77-08-041	5.00
	"Fishing Industry, 1979-80" ⁴	7	DIB 80-10-009	5.00		"Lobster Fisheries in South Africa and Namibia, 1975-76"	24	DIB 78-02-027	5.00
	"Fisheries, 1980"	9	ITA 81-11-041	5.00		"Fisheries, 1977"	7	DIB 78-04-035	5.00
	"Fishery Importers, 1981"	10	ITA 81-11-045	5.00		"Fisheries, 1979"	5	DIB 80-11-001	5.00
	"The Fishing Industry, 1980" ⁴	26	PB 81-207003	6.50		"Fisheries, 1980"	10	ITA 81-11-035	5.00
	"Fishery Cooperatives"	80	ITA 82-01-013	5.00		"Fisheries, 1981"	10	ITA 82-03-011	5.00
	"The Fishing Industry, 1981" ⁴	13	ITA 82-03-034	5.00	S. Pacific	"Eighth South Pacific Forum Documents, 1977"	13	DIB 77-11-038	5.00
Middle East	"Government and Industry Fishery Organizations, 1977"	176	DIB 78-11-015	15.50		"Fishing Industry, 1975"	3	DIB 76-02-002	5.00
Morocco	"Fisheries, 1975" ⁴	144	DIB 77-08-010	12.50	Sweden	"Fishing Industry, 1976"	7	DIB 76-09-017	5.00
	"International Fishery Relations, 1977" ⁴	6	DIB 77-11-030	5.00		"Fish and Fish Products, 1974-76"	7	DIB 77-05-015	5.00
	"Fisheries, 1979"	8	DIB 80-08-009	5.00		"Shrimp Fishery, 1977"	8	DIB 78-11-011	5.00
Netherlands	"Food Buyers Contacts made at ROKA, Holland's Biennial Food Show, 1980" ⁵	25	DIB 80-07-401	5.00		"Fishing Industry, 1978"	15	DIB 79-10-015	5.00
	"Fisheries in the Netherlands, 1979"	18	DIB 80-09-003	5.00		"Fishing Industry, 1980"	17	PB 81-226-318	5.00
Netherland	"Fisheries, 1980-81"	8	ITA 82-05-015	5.00		"Fishing Industry, 1975"	8	DIB 77-02-031	5.00
Antilles	"Lobster Fishery, 1975"	7	DIB 77-08-045	5.00	Taiwan	"Fishing Production, 1976"	11	DIB 77-09-026	5.00
New Zealand	"Commercial Fishing Equipment: Possibilities for Sales"	1	DIB 77-08-017	5.00		"Fishing Industry, 1977"	5	DIB 78-03-012	5.00
Nicaragua	"Fish and Fish Products, 1977"	14	DIB 78-02-028	5.00		"Catch for Jan.-Oct. 1977 and Recent Fishery Developments"	13	DIB 78-04-036	5.00
	"Fisheries, 1980" ⁴	9	ITA 81-11-044	5.00		"Indebtedness and General Financial Situation, 1977"	3	DIB 78-09-022	5.00
Nigeria	"Marketing Survey: Fish, 1980"	10	DIB 78-10-027	5.00		"Fishery Catches, January-June 1978"	10	DIB 78-12-010	5.00
	"Annual Fisheries Report, 1980"	24	ITA 81-11-033	5.00		"Fishing Industry, 1980"	15	ITA 81-08-010	5.00
	"Annual Fisheries Report, 1981"	24	ITA 82-01-014	5.00		"Recent Developments in Fisheries, 1978"	8	DIB 79-04-012	5.00
Norway	"Annual Outlook: Fishing Industry, 1976"	11	DIB 77-09-021	5.00		"Fishing Industry, 1980"	14	DIB 81-03-004	5.00
					Thailand	"Commercial Fisheries, 1976"	5	DIB 77-10-026	5.00
						"Commercial Fisheries, 1977"	3	DIB 78-09-021	5.00
						"Fisheries, 1978" ⁴	31	DIB 79-10-007	6.50
					Togo	"Fisheries, 1975" ⁴	30	DIB 78-01-035	6.50
					Trinidad and Tobago	"Fisheries, 1980" ⁴	9	ITA 81-11-043	5.00
					Tunisia	"Fisheries Assessment, 1977"	15	DIB 78-04-037	5.00
						"Fisheries, 1976" ^{3,4}	17	DIB 78-06-010	5.00
					Uruguay	"Fisheries, 1975" ³	19	DIB 77-08-040	5.00
						"The Fishing Industry, 1981"	35	ITA 82-01-007	5.00
					USSR	"Whaling Industry, 1970-1977"	9	DIB 78-07-028	5.00
					Venezuela	"Fishing Industry, 1975"	13	DIB 77-11-032	5.00
						"Fishing Industry, 1976"	16	DIB 78-01-036	5.00
						"Fishing Industry, 1977"	8	DIB 78-08-029	5.00
						"Fishing Industry, 1978-79"	17	DIB 80-06-017	5.00
						"Fishery Trade Mission, 1980" ⁵	21	DIB 80-07-015	5.00
						"U.S. Food Show, 1980"	15	ITA 81-11-039	5.00
						"The Fishing Industry, 1981"	19	ITA 82-03-013	5.00

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

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

³Previously released as a *Foreign Fishery Leaflet*.

⁴Prepared by the Regional Fishery Attache.

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

Resource Management and Public Information

Natural resource management has long been viewed as 10 percent resource management and 90 percent public management. "**Public Relations and Communications for Natural Resource Managers**," by James R. Fazio and the late Douglas L. Gilbert, should then be the "bible" for natural resource managers. In fact, it is too rarely consulted, even though more and more natural resource decisions are made contingent on public feelings and input.

Obviously the time to employ this book is before a problem begins, for it is a thorough guide to how an effective natural resource public communications program can and should be run.

Indeed, it provides sound advice on how resource professionals can give the public the best information available so that good decisions can be made. The authors point out that honesty in natural resource communications is the best policy.

The authors review public relations problems in natural resource agencies and the history of resource management. They provide seven basic and time-tested principles of public relations, tell how to identify and work with the various publics, the many user and interest groups. The tools of public relations are well covered as are each of the vital communication techniques: Personal contacts, the

print media, electronic media, and exhibits, special events, and photography.

Sound planning is also detailed—issue analysis, goals and objectives, communications channels, timing, evaluation, public involvement, etc. A chapter is also devoted to government structure and the legislative process and to special emergency information services, as well as a look at the future of people and natural resource management.

Each chapter provides suggested additional references and the book contains a bibliography of cited references. Indexed, the 375-page hardbound volume is available from the publisher, Kendall/Hunt Publishing Company, 2460 Kerper Blvd., Dubuque, Iowa 52001 for \$19.95.

Techniques of Warmwater Fish Culture: Israel's Methods and Results

"**Commercial Fish Farming**," subtitled "With Special Reference to Fish Culture in Israel," has been published by John Wiley & Sons, Inc., One Wiley Drive, Somerset, NJ 08873. Authors are Balfour Hopher and Yoel Pruginin, respectively senior research scientist at the Fish and Aquaculture Station, Dor, Israel, and chief extension officer on aquaculture in the Israeli Ministry of Agriculture.

Fish culture techniques developed and refined over the last 40 years in Israel have raised average fish production there from 1.5 tons/hectare to almost 4.0 tons/hectare. The best fish farms produce over 7 tons/hectare. This volume thoroughly and clearly describes the principles and practices that sustain such warmwater production and which are, of course, applicable in many other parts of the world.

After a brief introduction on fish farm development in Israel, the authors describe site selection (soil and topography) and such necessities as the quantity, quality, and temperature of water, along with planning the farm

unit and its layout and water supply. Pond construction basics (size, shape, depth, etc.) are also detailed.

Species cultured (common carp, Chinese carp, tilapia, and gray mullet) are reviewed, along with the biological and economic considerations in culture methods. Proper planning and record-keeping are stressed. Techniques and equipment are discussed for routine work through feeding, sampling, harvesting, weed control, etc. A chapter is devoted to chemical fertilization, manuring, culturing ducks with fish, and use of wastewater in fish ponds. Other chapters are devoted to nutrition

and feeding, hazards and diseases, and fish farming economics.

Fish reproduction techniques, selection of broodstock, induced spawning, collecting fry from natural habitats, and hatchery breeding, are reviewed. Both polyculture and monoculture are discussed.

Thorough and well-illustrated, the volume will likely be useful to not only managers of fish farms, but to biologists, students, and professors of aquaculture. Indexed, and with extensive references, the 261-page hardbound volume is available from the publisher for \$32.50 plus \$0.86 postage.

Induced Fish Breeding: A Workshop Report

Publication of "**Induced Fish Breeding in Southeast Asia**" has been announced by the International Development Research Center. Edited by F. Brian Davy and Amy Chouinard, it is the report of a workshop held in Singapore on 25-28 November 1980, where participants gave state-of-the-art reports from a variety of countries. This small volume summarizes those presentations, reviewing gonadal maturation, induced spawning, storage

of fish gametes, and larval rearing and makes recommendations for further progress in each area. Appendices list finfish production in south and southeast Asia, and institutions involved in induced fish breeding research. A bibliography is provided.

The small (6½ × 9¾") 48-page paperbound volume is available in the United States from UNIPUB, 345 Park Avenue South, New York, NY 10010 for \$4.50; elsewhere it is available from the IDRC Communications Division, P.O. Box 8500, Ottawa, Canada K1G 3H9.