ISSN 0429-9329

MARINE FISHERIES AND THE LAW OF THE SEA: A DECADE OF CHANGE

Special chapter (revised) of The State of Food and Agriculture 1992



MARINE FISHERIES AND THE LAW OF THE SEA: A DECADE OF CHANGE

Special chapter (revised) of The State of Food and Agriculture 1992

FAO Fisheries Department

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS Rome, 1993

The designations employed and the presentation of material in this publication do not imply the expression of any opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying or otherwise, without the prior permission of the copyright owner. Applications for such permission, with a statement of the purpose and extent of the reproduction, should be addressed to the Director, Publications Division, Food and Agriculture Organization of the United Nations, Viale delle Terme di Caracalla, 00100 Rome, Italy.

© FAO 1993

This document was prepared by the FAO Fisheries Department with the assistance of Francis T. Christy, Jr.

FAO Fisheries Department.

Marine fisheries and the law of the sea: a decade of change Special chapter (revised) of *The State of Food and Agriculture 1992.* FAO Fisheries Circular No. 853. Rome, FAO. 1993. 66 pp.

ABSTRACT

Ten years after the signing of the United Nations Convention on the Law of the Sea, which marked the end of an era of freedom of the seas, this paper examines the changes that have occurred in marine fisheries and the adjustment made in the redistribution of benefits from the seas. While a few coastal states have gained large benefits and a few distant-water fishing nations have incurred large losses, there has been continued investment in large-scale vessels and a significant growth in fishing effort on the high seas beyond the 200-mile limits. The difficulty of improving the management of domestic fisheries and the required improvements in the competence of nations to exercise their newly gained authority are noted. While the 1980s might be considered a period of adjustment to the dramatic changes in the law of the sea, environmental issues have gained increasing significance during the decade and are posing difficult challenges particularly to the smallscale fishing communities in the coastal zones. Before the benefits from the ocean's fisheries can be fully realized, many tasks have to be completed, including concerted national and international efforts for better fisheries management.

PREPARATION OF THIS DOCUMENT

Since 1957, The State of Food and Agriculture annual review has included one or more special studies of problems of longer-term interest. This present document is a revision of the special chapter from The State of Food and Agriculture 1992. Twelve years ago the 1980 special chapter, entitled "Marine fisheries in the new era of national jurisdiction", analysed the problems and opportunities for fisheries in the era following the United Nations Conference on the Law of the Sea (UNCLOS). This document reconsiders the state of world fisheries ten years after the signing of the 1982 UN Convention on the Law of the Sea. Whereas the 1980 edition was optimistic for improvements in the management of fishery resources as a result of extensions in national jurisdiction, this document shows that, within the decade, progress has been slow.

The issues and problems of both national and high sea fisheries would appear not to have changed significantly from those covered in the first special chapter on fisheries in *The State of Food and Agriculture 1967*, "The management of fishery resources". In that chapter, the difficulties experienced by international fishery commissions, the problems of excessive fishing effort, subsidies, enforcement and the need to reduce costs of fishing were discussed. Some 25 years later, it would now appear that, although understanding of the problems is almost universal, practical solutions are relatively few. The problems that then existed for the North Atlantic and the North Pacific have now expanded worldwide and primarily concern the difficulties of rational exploitation of common property resources.

Contents

MARINE FISHERIES AND THE LAW		Resource effects 3		
OF THE SEA: A DECADE OF CHANG	GE	Supply increases	32	
I. Introduction	1	Supply shifts		
II. The decade's developments	4	Effects of demand	36	
FISHERY RESOURCES	4	HIGH SEA FISHING	37	
Marine catch and changes in production patterns	4	High sea pelagic fishing	37	
Catch by major fishing areas	7	Extended continental shelves and straddling stocks	39	
Developments among regions and main fishing countries	10	High sea areas beyond narrow limits of jurisdiction	40	
Fish resources distribution during the 1980s	11	The international regime of the high seas	40	
Coastal states	16	ENVIRONMENT	42	
FISHING COSTS AND REVENUES	17	SMALL-SCALE FISHERIES	44	
Fishing costs	17		46	
Revenue	19	FISHERIES MANAGEMENT		
Prices	24	IV. Appendix 1	50	
International trade	26	FISHING COST METHODOLOGY	50	
LEGAL, INSTITUTIONALAND ENVIRONMENTAL DEVELOPMENTS	28	V. Appendix 2	54	
The law of the sea	28	FISHERIES STATISTICS	54	
International arrangements	28			
Environment	29			
III. Current and future issues	31			
THEFUNDAMENTAL PROBLEM OF OPEN ACCESS	31			
SUPPLY AND DEMAND	32			

PART III MARINE FISHERIES AND THE LAW OF THE SEA: A DECADE OF CHANGE

I. Introduction
II. The decade's developments
III. Current and future issues
IV. Appendix 1
V. Appendix 2

