

Elasmobranch Fisheries Management Techniques

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**APEC Fisheries
Working Group**



Elasmobranch Fisheries Management Techniques

**Edited by
John A. Musick
Ramón Bonfil**

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THE EDITORS

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Ramón Bonfil, Ph.D. is a marine biologist and fisheries scientist with the New York-based Wildlife Conservation Society who has studied sharks since 1984. He initiated his career at the National Fisheries Institute in his native country, Mexico, studying the commercial shark fisheries of Yucatán. Ramón left this position to obtain an M.S. in Fisheries Biology and Management at the University of North Wales, UK, and a Ph.D. in Resource Management Science at the University of British Columbia in Canada. His work has covered several areas of knowledge about sharks including taxonomy, determination of age and growth, reproduction, worldwide fisheries, the benefit of Marine Protected Areas as management tools, population dynamics modeling, mathematical evaluation of stock assessment models, ecosystem modeling, and others. Dr Bonfil has been invited as visiting scientist by the Far Seas Fisheries Research Institute of Japan and by the United Nations Food and Agriculture Organization (FAO). With FAO, he published the first comprehensive review of shark fisheries of the world, has served as scientific and technical editor for the ongoing second version of the worldwide catalogue of sharks and other FAO publications, and is currently writing an identification guide for sharks and rays of the Red Sea. His current work includes stock assessment analyses for Atlantic Ocean sharks, ecosystem-based fisheries management, and a conservation research project using satellite technology to track great white sharks off South Africa. Dr Bonfil also participates in shark related work within International Commission for the Conservation of Atlantic Tunas (ICCAT) and International Council for the Exploration of the Sea (ICES). Dr Bonfil's expertise has been recognized nationally and internationally; he is a member of the Shark Specialist Group of IUCN since 1992, a member of the Conservation Committee of the American Elasmobranch Society, serves in the Advisory Panel for Highly Migratory Fishes of NMFS, has been invited to numerous international specialist meetings, and has served as referee for several scientific journals.

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DEDICATION

This book is dedicated to the shark fishers and fishery managers. May they have the wisdom and will to achieve and maintain sustainable shark fisheries.

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