

The Great Barrier Reef

Biology, Environment and Management
Second Edition

► Pat Hutchings, Michael Kingsford, Ove Hoegh-Guldberg (Eds)

Describes the animals, plants and other organisms of the reef, and the biological, chemical and physical processes that influence them.

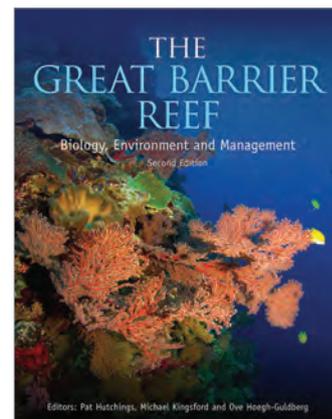
The iconic and beautiful Great Barrier Reef Marine Park is home to one of the most diverse ecosystems in the world.

With contributions from international experts, this timely and fully updated second edition of *The Great Barrier Reef* describes the animals, plants and other organisms of the reef, as well as the biological, chemical and physical processes that influence them. It contains new chapters on shelf slopes and fisheries and addresses pressing issues such as climate change, ocean acidification, coral bleaching and disease, and invasive species.

The Great Barrier Reef is a must-read for the interested reef tourist, student, researcher and environmental manager. While it has an Australian focus, it can equally be used as a reference text for most Indo-Pacific coral reefs.

FEATURES

- Up-to-date and accessible account of the issues that face the world's most complex marine ecosystem
- Examines the diversity, physiology, ecology and conservation of the reef, as well as its role in monitoring global warming
- Written by leading authorities on the biodiversity of the Great Barrier Reef and highly illustrated throughout



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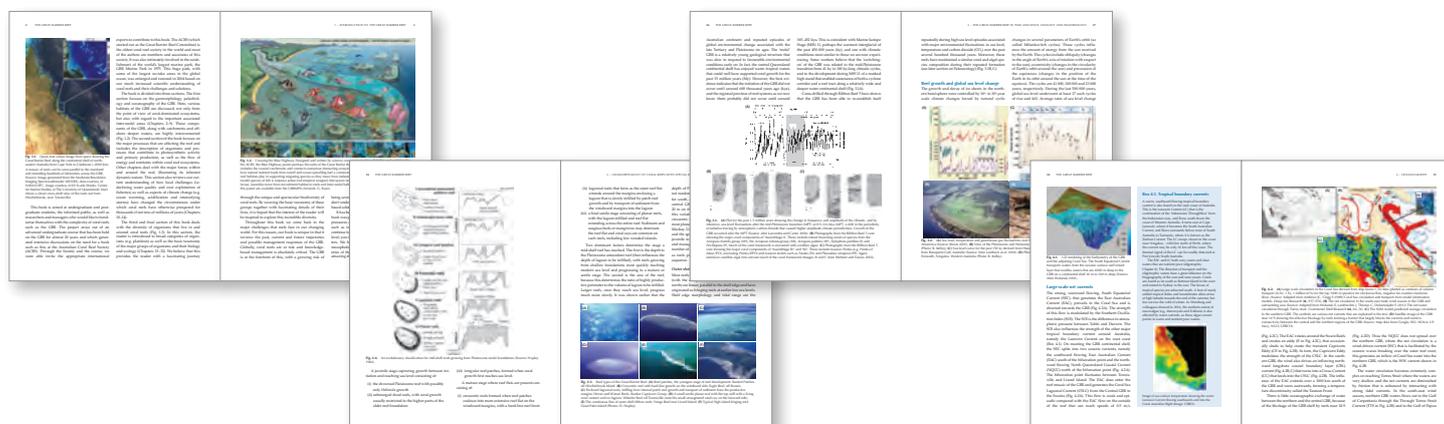
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ABOUT THE EDITORS

Pat Hutchings is a Senior Fellow at the Australian Museum Research Institute, having retired in 2016 as a Senior Principal Research Scientist at the Australian Museum. She has spent her research career working on the systematics and ecology of polychaetes, especially on coral reefs. Her contributions were recognised by the Australian Coral Reef Society with honorary life membership.

Mike Kingsford is a Distinguished Professor in the Marine Biology and Aquaculture group of the College of Science and Engineering at James Cook University, and has over 30 years' research experience on the Great Barrier Reef. He is also a Chief Investigator with the ARC Centre of Excellence for Innovative Coral Reef Studies.

Ove Hoegh-Guldberg is Professor of Marine Science and Director of the Global Change Institute at the University of Queensland. An internationally recognised expert in his field, he has received numerous prizes including a Eureka Prize, Thomson Reuters Citation Award, an Australian Research Council Laureate Fellowship and the Climate Change Prize from HSH Prince Albert II of Monaco.

EXCERPT FROM THE FOREWORD

"In its second edition, this book on the Reef builds on the tradition of the first edition and has expanded the already amazing array of authors and expertise to tackle a number of new and current issues to do with the Reef. Stretching from the geology, biology and oceanography of the Reef, to modern issues such as water quality, climate change and socio-economics of the Reef, this book enables the reader to get a total insight to how the world's largest coral reef functions."

Honourable Robert Hill AC – Former Minister for the Environment and for Defence, Ambassador for Australia to the United Nations

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