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World Atlas Of Coral Reefs



World Atlas of Coral Reefs

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Synopsis

Coral reefs are one of the most biologically diverse habitats in the world, host to an extraordinary variety of marine plants and animals. They are also one of the world's most fragile and endangered ecosystems. The growth of mass tourism, combined with the boom in popularity of scuba diving, has brought these spectacular ecosystems to public attention across the planet. Coral reefs provide essential fish habitat, support endangered and threatened species, and harbor protected marine mammals and turtles. They are a significant source of food, provide income and employment through tourism and marine recreation, and offer countless other benefits to humans, including supplying compounds for pharmaceuticals. Yet coral reefs around the world are rapidly being degraded by a number of human activities, such as overfishing, coastal development, and the introduction of sewage, fertilizer, and sediment. *World Atlas of Coral Reefs* provides the first detailed and definitive account of the current state of our planet's coral reefs. With its wealth of authoritative and up-to-date information, the finest maps available, and detailed descriptive texts and images by leading experts, this full-color volume will be a critical resource for anyone interested in these vital environments. *World Atlas of Coral Reefs* contains eighty-four full-page newly researched and drawn color maps, together with more than two hundred color photos illustrating reefs, reef animals, and images taken from space by NASA astronauts during the 2000 and 2001 space shuttle flights. The authors provide a wealth of information on the geography, biodiversity, and human uses of coral reefs, as well as details about the threats to their existence. Prepared at the UNEP–World Conservation Monitoring Centre in Cambridge, England--the United Nations office responsible for providing authoritative information on the condition of global biodiversity--the *Atlas* will be a critical tool for scientists, students, policymakers, and planners at local, national, and international levels alike. Publication of the *World Atlas of Coral Reefs* is supported by international institutions including the United Nations Environment Programme; The Marine Aquarium Council, The International Coral Reef Initiative; ICLARM--The World Fish Center; the Professional Association of Diving Instructors, and the Aventis Foundation.

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Customer Reviews

Adult/High School-Unique in scope, this atlas provides cleanly rendered maps, colorful photos, and lots of solid information. Part one is devoted to background material on such topics as coral-reef evolution, species diversity, environmental concerns, and even reef mapping techniques. Content is detailed enough to satisfy adults with a scientific background, yet remains accessible to high school students. The section on types of coral reefs is accompanied by excellent illustrations. Photos liberally sprinkled throughout range from super-macroscopic space views to the microscopic. The bulk of the book looks at each global region. Maps show reefs and the areas surrounding them. Included are natural features such as forests and human constructs such as dive centers, settlements, and protected underwater sites. Instead of making dramatic, emotion-laden speeches for preservation, the book defends the value of this wondrous ecosystem rationally, providing plenty of factual backup and pointing out cases where sensible and sustainable management is possible. This atlas covers all bases, making it a great resource for students and teachers alike. Sheila Shoup, Fairfax County Public Library, VA
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While coral reefs cover less than two percent of Earth's continental shelf area, they are the most biologically diverse marine habitats in the world. Prepared at the UN Environment Programme (UNEP)-World Conservation Monitoring Center, this reference best described as an "atlas plus" provides a comprehensive and detailed account of all the world's coral reefs. Each area of the world's reefs has its own chapter, with sections for each country; coverage includes location, description, maps, photographs, health assessment, and legal protection status. Also included are several excellent introductory chapters on the definition of coral reefs, biodiversity, ecological threats and responses, and reef mapping. An extensive bibliography is included with each chapter, along with information on the sources for the chapter maps. While this atlas will serve as a valuable reference for scientists (one of our biologists has already recommended it to our library), it is also accessible to lay readers and students interested in ecology, scuba diving, marine biology,

geography, or just good photographs. A number of other books treat coral reefs (almost all of them listed in the chapter bibliographies), but none is as comprehensive and as current as this work. Highly recommended for all public, high school, and academic libraries. Margaret Rioux, Woods Hole Oceanographic Inst. Lib., MA Copyright 2002 Cahners Business Information, Inc.

Whether you teach marine biology or are planning the long-awaited diving trip to a tropical location, this book is the comprehensive guide to coral reefs world-wide. For each area, information is provided on locations of reefs with special reference to threats to their survival. This is not a species identification guide but rather an ecological treatment. The book is most suited to the reader who already has some knowledge of the biology of corals.

Having purchased Green and Short's "World Atlas of Seagrasses", also from California Press, I was quite excited to find this volume. Green and Short describe nearly all of the world's seagrasses, complete with line drawings and species comparisons, and map their distribution. They also include info on preservation, destruction, etc. It is an invaluable resource for anyone needing to identify or locate seagrasses. I was disappointed, however, when I received "World Atlas of Coral Reefs". The entire text is devoted to describing areas where reefs are found, but rarely mentions anything about the corals themselves! I saw listed more often than any coral genus! If you want to learn about the per capita fish consumption of Mauritius or phosphate mining on the atoll of Nauru, this is the book for you. If, however, you are interested in corals and the reefs that they construct (which is probably why you are reading this) you should move on to another book.

A truly beautiful book, although I expected the pictures to be larger. There is not one full page photo in the book unfortunately. It would really enhance the book to have some of those lovely photos blown up full page.

There are plenty of specific and detailed marine flora and fauna books out there and then there are even more books dedicated to diving around the world; but no book, (reference) like this one. As one reviewer called it; "groundbreaking" seems to fit here. This book provides a comprehensive overview of the world's reefs, location, general health, future prognosis and so forth. It is not meant to be a travel guide, nor a encyclopedia of every coral species, it is the current, (as of printing) world - wide status of coral reefs in general. A must for any serious diver, hobbyist, researcher or naturalist as a great, indespensable reference. The only potential negative issue would be the ever

changing environmental conditions over time, vs. a fixed publication.

very fast, receive it next day. just OK . he love it, Received as described. This product has great balance and weighting to it. I was impressed with the packaging and the product itself is impressive, especially given the price. I would absolutely recommend purchasing this product to others.

As the author of books about the ocean, I've read a lot of other books and articles about coral reefs. This is by far the best and most thorough book of its kind. Want to know what conditions are like on the Great Barrier Reef system? Around the Red Sea? Off Sulawesi? This is the place to go for answers. With wonderful maps and easy-to-understand text, it's destined to become the standard reference for divers, marine biologists and armchair adventurers who just want to learn more about this precious and fascinating ecosystem.

I bought this for my daughter, a graduating Biologist, but it was so fascinating that I'm afraid she got a slightly used book. It covers all coral reefs anywhere in the world. The maps are superb, as are the color photographs of the reefs. Each reef had a discussion of conditions in the reef, and the life that grows there. It's a huge book but one starts wishing for more; more maps, more photos, more detail. Maybe in the next edition, but meanwhile we can enjoy this superb book just as it.

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