



The Great Barrier Reef

James Woodford



The Great Barrier Reef:

The Great Barrier Reef Pat Hutchings, Michael Kingsford, Ove Hoegh-Guldberg, 2019-02-01 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.

Where Is the Great Barrier Reef? Nico Medina, Who HQ, 2016-09-06 In this *Where Is* title, kids can explore the Great Barrier Reef, big enough to be seen from space but made up of billions of tiny living organisms. The Great Barrier Reef off the coast of Australia is the world's largest coral reef system. Stretching more than 1,400 miles, it provides a home to a wide diversity of creatures. Designated a World Heritage Site, the reef is suffering from the effects of climate change, but this fascinating book shows this spectacular part of our planet.

The Great Barrier Reef Ben Daley, 2014-07-17 The Great Barrier Reef is located along the coast of Queensland in north-east Australia and is the world's largest coral reef ecosystem. Designated a World Heritage Area, it has been subject to increasing pressures from tourism, fishing, pollution, and climate change and is now protected as a marine park. This book provides an original account of the environmental history of the Great Barrier Reef based on extensive archival and oral history research. It documents and explains the main human impacts on the Great Barrier Reef since European settlement in the region, focusing particularly on the century from 1860 to 1960, which has not previously been fully documented, yet which was a period of unprecedented exploitation of the ecosystem and its resources. The book describes the main changes in coral reefs, islands, and marine wildlife that resulted from those impacts. In more recent decades, human impacts on the Great Barrier Reef have spread, accelerated, and intensified, with implications for current management and conservation practices. There is now better scientific understanding of the threats faced by the ecosystem, yet these modern challenges occur against a background of historical levels of exploitation that is little known and that has reduced the ecosystem's resilience. The author provides a compelling narrative of how one of the world's most iconic and vulnerable ecosystems has been exploited and degraded, but also how some early conservation practices emerged.

The Great Barrier Reef Charles River Charles River Editors, 2017-01-26 Includes pictures. Includes accounts of the reef and animals written by explorers. Includes a bibliography for further reading. Includes a table of contents. Coral is a very beautiful and unusual animal. Each coral head consists of thousands of individual polyps. These polyps are continually budding and branching into genetically identical neighbors. Antony Garrett List: People have always loved to build things, whether it's a feat of engineering in an underground subway or the

construction of the world's tallest skyscraper. Thus it's somewhat ironic that the largest structure ever built was not made by humans but by incredibly tiny organisms known as coral polyps. Over the course of tens of thousands of years, these small organisms have put together a collection of nearly 3,000 reefs that form a collective stretching across 130,000 square miles. It is often mistakenly claimed that the Great Wall of China can be seen in space, but it's absolutely true that the enormous Great Barrier Reef is visible. The sheer size of the Great Barrier Reef is mind-boggling, but its importance extends far past its physical extent. Put simply, the Great Barrier Reef is one of the most beautiful spots on the planet, offering kaleidoscopic colors thanks to the coral and the species that call it home. This is understandable because a staggering number of species inhabit the Great Barrier Reef, ranging from starfish and turtles to alligators and birds. Scientists have counted about 1,500 different fish species using the reef, and it's estimated that even 1.5 million birds use the site. In designating it a World Heritage Site, UNESCO wrote of the Great Barrier Reef: "The Great Barrier Reef is a site of remarkable variety and beauty on the north-east coast of Australia. It contains the world's largest collection of coral reefs with 400 types of coral, 1,500 species of fish and 4,000 types of mollusc. It also holds great scientific interest as the habitat of species such as the dugong, sea cow and the large green turtle, which are threatened with extinction. Unfortunately, an ecosystem as complex as the Great Barrier Reef is also vulnerable to a host of threats, whether it's fishing, oil spills or climate change." J.E.N. Veron, former chief scientist of the Australian Institute of Marine Science, described watching how coral was affected during what's known as a mass bleaching event. "And then I saw a whammy, a mass bleaching event where everything turns white and dies. Sometimes it's only the fast-growing branching corals, but some of the others are horrible to see, corals that are four, five, six hundred years old, they die too. It's real day in, day out, and I work on this day in, day out. It's like seeing a house on fire in slow motion. There's a fire to end all fires, and you're watching it in slow motion, and you have been for years. In fact, scientists fear that the Great Barrier Reef has lost most of its coral cover in the last 30 years, which poses a danger to the species that inhabit it, some of which are already endangered." *The Great Barrier Reef: The History of the World's Largest Coral Reef* looks at the history of the reef and describes it in vivid detail. Along with pictures of important people, places and events, you will learn about the Great Barrier Reef like never before, in no time at all. [A Reef in Time](#) J.E.N. Veron, 2010-03-30 Veron presents the geological history of the Great Barrier Reef, the biology of coral reef ecosystems and a primer on what we know about climate change. He concludes that most coral reefs will be dead from mass bleaching and irreversible acidification within the coming century unless greenhouse gas emissions are curbed. *The Great Barrier Reef* Rebecca Kraft Rector, 2018-01-01 Explore the past, present and future of the Great Barrier Reef. Beautiful photos, fact-filled text and engaging infographics help readers learn all about this natural wonder and how to protect it long into the future. *20 Fun Facts About the Great Barrier Reef* Emily Mahoney, 2019-07-15 The Great Barrier Reef is one of the most diverse and amazing natural wonders to see in the ocean, and there are many plant and animal species that call it home. Readers take a journey to this interesting place through

engaging information vivid images and helpful graphic organizers Young readers everywhere delight in learning about the reef the waters surrounding it and what can be done to protect it for future generations Even developing readers will enjoy the science and travel content in our patented fun fact format *The Great Barrier Reef* James Woodford,2010-10-01 The real Great Barrier Reef is not just a single clown fish or a colony of branching stag horn coral It is not simply the crystal clear water cocktails and beautiful bodies of the tourist ads Nor is it just the stage for murders mishaps shipwrecks shark attacks crocodile death rolls or gropers that swallow men s heads whole and only sometimes spit them back out The real Great Barrier Reef is a living thing a 2300 kilometre long untamed organism made up of trillions of animals It is the magnificent and terrifying home to the wild things of nightmares and hallucinations James Woodford wanted to understand the real reef in all its complexity and along its entire extraordinary length For a year he worked and dived with marine biologists exploring it from the coral outpost of Lord Howe Island in the south to the crocodile haunted waters at the reef s northern boundary in Cape York The Great Barrier Reef is a thrilling study of the reef of its beauty mystery and terror as it faces its greatest threat rising sea temperatures that stem from global warming Part science part history part travel and wholly adventurous Woodford s book is as captivating grand and magical as the reef itself *The Great Barrier Reef* Erinn Banting,2019-08-01 The spectacular Great Barrier Reef is the largest coral reef in the world There are more than 10 000 different species of animals living within it Discover more in *The Great Barrier Reef* one of the titles in the Natural Wonders of the World series *The Great Barrier Reef* Ove Hoegh-Guldberg,2009 This book gives readers a broad overview of biological and physical attributes of the Great Barrier Reef and where relevant other reefs of the world Contemporary pressing reef issues such as coral bleaching coral disease and the challenges of coral reef fisheries are discussed by world research leaders

The Great Barrier Reef Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the power of words has be much more evident than ever. They have the ability to inspire, provoke, and ignite change. Such is the essence of the book **The Great Barrier Reef**, a literary masterpiece that delves deep in to the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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