

Great Barrier Reef Map

Species of fish can be affected immensely from ocean acidification which disrupts the overall ecosystem. There is a possible solution that can reverse the...
Aerial photos and maps

Environmental threats to the Great Barrier Reef The Great Barrier Reef is the world's largest reef systems, stretching along the East coast of Australia from the northern tip down at Cape York to the The Great Barrier Reef is the world's largest reef systems, stretching along the East coast of Australia from the northern tip down at Cape York to the town of Bundaberg, is composed of roughly 2,900

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individual reefs and 940 islands and cays that stretch for 2,300 kilometres (1,616 mi) and cover an area of approximately 344,400 square kilometres (133,000 sq mi). The reef is located in the Coral Sea, off the coast of Queensland in northeast Australia. A large part of the reef is protected by the Great Barrier Reef Marine Park

Ocean acidification in the Great Barrier Reef The more humanity consumes fossil fuels, the more the ocean absorbs released CO₂, furthering ocean acidification. The Great Barrier Reef, considered one of the seven Ocean acidification threatens the Great Barrier Reef by reducing the viability and strength of coral reefs. Similar to other coral reefs, it is experiencing degradation due to ocean acidification. The Great Barrier Reef, considered one of the seven natural wonders of the world and a biodiversity

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hotspot, is located in Australia. Ocean acidification results from a rise in atmospheric carbon dioxide, which is taken up by the ocean. This process can increase sea surface temperature, decrease aragonite, and lower the pH of the ocean. acidification threatens the Great Barrier Reef by reducing the viability and strength of coral reefs
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Coral reef Reefs are formed of colonies of coral polyps held together by calcium carbonate. The age of living reef structure is estimated A coral reef is an underwater ecosystem characterized by reef-building corals. Most coral reefs are built from stony corals, whose polyps cluster in groups. Sea level on the Great Barrier Reef has not changed significantly in the last 6,000 years. forming cays and reefs f72ace69e7

Great Barrier Reef The

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Queensland National Trust named it a state icon of Queensland in 2006. It is separated from the coast by a channel 160 kilometres (100 mi) wide in places and over 61 metres (200 ft) deep. The reef is located in the Coral Sea, off the coast of Queensland, Australia. CNN labelled it one of the Seven Natural Wonders of the World in 1997. This reef structure is composed of and built by billions of tiny organisms, known as coral polyps. Australian World Heritage places included it in its list in 2007. It supports a wide diversity of life and was selected as a World Heritage Site in 1981. The Great Barrier Reef is the world's largest coral reef system, composed of over 2,900 individual reefs and 900 islands stretching for over 2,300 kilometres. The Great Barrier Reef is the world's largest coral reef system, composed of over 2,900 individual reefs and 900 islands stretching for over 2,300 kilometres (1,400 mi) over an

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area of approximately 344,400 square kilometres (133,000 mi²). The Great Barrier Reef can be seen from outer space and is the world's biggest single structure made by living organisms

== Grounding incident ==
This decreased health of coral reefs, particularly the Great Barrier Reef, can result in reduced biodiversity. Organisms can become stressed due to ocean acidification and the disappearance of healthy coral reefs, such as the Great Barrier Reef, is a loss of habitat for several taxa. Ocean acidification makes it harder for organisms to reproduce affecting the ecosystem in the Great Barrier Reef.

Pandora Reef It is in Halifax Bay in Queensland, Australia. 1 mi) from the Greater Palm group. The Great Barrier Reef Marine Pandora Reef is a low-lying island in addition to being an

adjacent fringing reef. Pandora Reef dates back to at least 1889. The surrounding waters are in the Great Barrier Reef Marine Park in the Coral Sea. It is 13 kilometres (8 f72ace69e7

Charles Darwin described it as "the most remarkable reef in the West Indies" in 1842. f72ace69e7 Named after St. Crispin, the French patron saint of cobblers and tanners, St. Crispin's Reef is located 35 miles off the Queensland coast in the Coral Sea, in latitude 16° 07' 54.14" S longitude 145° 48' 22.46" E, at a depth of 9 metres. It lies east of Undine Reef and south of Agincourt Reefs, close to Opal Reef. Protected by neighbor reefs, St. Crispin's structure consists of many shallow sandy channels that reticulate around coral mounds, rather than a typical reef slope. It has an abundance of soft corals and colourful marine life. f72ace69e7 The surrounding waters are in the

Great Barrier Reef Marine Park in the Coral Sea. The Great Barrier Reef Marine Park Authority designation is 18-051. In addition to its barrier reef, it also boasts three distinct Caribbean atolls: Turneffe Atoll, Glover's Reef and Lighthouse Reef. Lighthouse Reef is the most easterly diving area in Belize, it is home to the Great Blue Hole, made famous by Jacques Cousteau in 1970; Turneffe Atoll lies directly to the east of Belize City and is the nearest of the atolls to that city.... Coral belongs to the class Anthozoa in the animal phylum Cnidaria, which includes sea anemones and jellyfish. Unlike sea anemones, corals secrete hard carbonate exoskeletons that support and protect the coral. Most reefs grow best in warm, shallow, clear, sunny, and agitated water. Coral reefs first appeared 485 million years ago, at the dawn of the Early Ordovician, displacing the

microbial and sponge reefs of the Cambrian. Sometimes called rainforests of the sea, shallow coral reefs form some of Earth's most diverse ecosystems. They occupy less than 0.1% of the world's ocean area, about half the area of France. Yet, they provide a home for at least 25% of all marine species, including fish, mollusks, worms, crustaceans, echinoderms, sponges, tunicates and other cnidarians. Coral reefs flourish in ocean waters that provide few nutrients. They are most commonly found at shallow depths in tropical waters, but deep water and cold water coral reefs exist... Zoned as a Marine National Park, fishing is not permitted, although diving and photography are allowed. The New Caledonian barrier reef surrounds Grande Terre, New Caledonia's largest island, as well as the Ile des Pins and

several smaller islands, reaching a length of 1,500 kilometres (930 mi). The reef encloses a lagoon of 24,000 square kilometres (9,300 sq mi), which has an average depth of 25 metres (82 ft). The reefs lie up to 30 kilometres (19 mi) from the shore, but extend almost 200 kilometres (120 mi) to the Entrecasteaux reefs in the northwest. This northwestern extension encloses the Belep Islands and other sand cays. Several natural passages open out to the ocean. The Boulari passage, which leads to Nouméa, the capital and chief port of New Caledonia, is marked by the Amédée lighthouse. f72ace69e7

New Caledonian barrier reef the third largest after the Great Barrier Reef of Australia and the Mesoamerican Barrier Reef. The New Caledonian barrier reef surrounds Grande Terre, New Caledonia. The New Caledonian barrier reef is a barrier reef located in New

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Caledonia in the South Pacific, being the longest continuous barrier reef in the world and the third largest after the Great Barrier Reef of Australia and the Mesoamerican Barrier Reef

The ship was more than 10 km outside the shipping lane. It struck the reef late in the afternoon of 3 April, scraping along the reef for a considerable distance and creating the longest known grounding scar on the Great Barrier Reef. Tugs were sent to remove the ship which was feared would break apart in rough seas. Eventually, the vessel was refloated and taken to Hervey Bay. After unloading about a third of its cargo Shen Neng 1 was towed to Singapore. The ship's captain and officer-on-watch were both charged. The maximum fine for shipping companies that cause damage to the reef was increased after the incident.

"Pandora Reef, the

island, and Pandora Reef, the reef" (Map). Google Maps. Retrieved 8 January 2011.

f72ace69e7 A 2014 report of the Australian Government's Great Barrier Reef Marine Park Authority (GBRMPA) says that climate change is the most significant environmental threat to the Great Barrier Reef. Other major environmental pressures listed are decreased water quality from land-based runoff, impacts from coastal development, and some persistent impacts from fishing activities. The reef is also threatened by storms, coral bleaching and ocean acidification. The 2014 report also shows that, while numerous marine life species have recovered after previous declines, the strength of the dugong population is continuing to decline. Terry Hughes, Federation Fellow, ARC Centre... f72ace69e7 == Managing authority == f72ace69e7 The name Pandora Reef dates back

to at least 1889. f72ace69e7

Belize Barrier Reef It is also vital to the country's fishing industry. The Belize Barrier Reef is a 300-kilometre (190 mi) long section of the 900-kilometre (560 mi) Mesoamerican Barrier Reef System, which is continuous from Cancún on the north-eastern tip of the Yucatán Peninsula through the Riviera Maya and down to Honduras, making it the second largest coral reef system in the world after the Great Barrier Reef in Australia. It is Belize's top tourist destination, popular for scuba diving and snorkeling and attracting almost half of its 260,000 visitors. The Belize Barrier Reef is a series of coral reefs straddling the coast of Belize, roughly 300 metres (980 ft) offshore in the north and 40 kilometres The Belize Barrier Reef is a series of coral reefs straddling the coast of Belize, roughly 300 metres (980 ft) offshore in the north and 40

kilometres (25 mi) in the south within the country limits
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In 2008, the barrier reef and its enclosing lagoon was inscribed on the UNESCO World Heritage List for its outstanding beauty, its unique geography as a reef entirely encircling Grande Terre, and its exceptional marine diversity (in particular...
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St. Crispin's Reef Named after St. Crispin's Reef is an elongate outer-shelf coral reef in the Great Barrier Reef, Queensland, Australia. Crispin, the French patron saint St. Crispin's Reef is an elongate outer-shelf coral reef in the Great Barrier Reef, Queensland, Australia. St f72ace69e7

"satellite view of Pandora Reef" (Map). Google Maps. Retrieved 8 January 2011. f72ace69e7 The Great Barrier Reef Marine Park Authority (GBRMPA) is

responsible for the care and protection of the Great Barrier Reef Marine Park. It uses a range of tools to manage the marine park including...

f72ace69e7 == Location and topography == f72ace69e7

Great Barrier Reef Marine Park
Its reefs, almost 3000 in total, represent about 10 per cent of all the coral reef areas in the world.) is strictly regulated, and commercial shipping traffic must stick to certain specific defined shipping routes that avoid the most sensitive areas of the park. It is a vast multiple-use Marine Park The Great Barrier Reef Marine Park protects a large part of Australia's Great Barrier Reef from damaging activities. It supports an amazing variety of biodiversity, providing a home to thousands of coral and other invertebrate species, bony fish, sharks, rays, marine mammals, marine turtles, sea snakes, as well as algae and other marine

plants. The Great Barrier Reef Marine Park protects a large part of Australia's Great Barrier Reef from damaging activities. It is a vast multiple-use Marine Park which supports a wide range of uses, including commercial marine tourism, fishing, ports and shipping, recreation, scientific research and Indigenous traditional use. The Great Barrier Reef is the largest and best known coral reef ecosystem in the world. Fishing and the removal of artefacts or wildlife (fish, coral, seashells, etc

A large part of the reef is protected by the Great Barrier Reef Marine Park, which helps to limit the impact of human use, such as fishing and tourism. Other environmental pressures on the reef and its ecosystem include runoff of humanmade pollutants...

2010 Great Barrier Reef oil spill
Ltd. The 2010 Great Barrier Reef

oil spill occurred on 3 April 2010, when the Chinese bulk coal carrier, MV Shen Neng 1 ran aground east of Rockhampton in Central The 2010 Great Barrier Reef oil spill occurred on 3 April 2010, when the Chinese bulk coal carrier, MV Shen Neng 1 ran aground east of Rockhampton in Central Queensland, Australia. The vessel is owned by Shenzhen Energy Transport Co
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