

# 'Now or never' to save Barrier Reef: scientists

May 19 2016

---



The marine life on the Great Barrier Reef in Queensland is under pressure from not only climate change, but farming run-off, development and the coral-eating crown-of-thorns starfish

Australia's Great Barrier Reef could be beyond saving in five years without "now or never" funding to improve water quality as climate change ravages the World Heritage-listed site, scientists warned Thursday.

The world's biggest coral [reef ecosystem](#) is under pressure from not only climate change, but farming run-off, development and the coral-eating

crown-of-thorns starfish.

The biodiverse side off the Queensland state coast is also suffering its worst bleaching in recorded history with 93 percent of corals affected due to warming sea temperatures.

"The current management regime for catchment pollutant run-off and climate change is clearly inadequate to prevent further decline," James Cook University researchers Jon Brodie and Richard Pearson wrote in a paper published in the *Estuarine, Coastal and Shelf Science* journal.

They added in a statement Thursday that without government funding of Aus\$10 billion (US\$7.2 billion) over the next decade to improve [water quality](#), "the Great Barrier Reef will be in a terminal condition within five years".

"What's happening is we're seeing climate change ramp up much more quickly than most scientists... believed," Bodie told AFP.

"One thing we can do is fixing water quality for the reef. For water quality management, I think it is now or never because we have to do the management now to give us some resilience against [climate change](#)."



Australia's Great Barrier Reef could be beyond saving in five years without "now or never" funding to improve water quality as climate change ravages the World Heritage-listed site, scientists warn

Bodie said the poor water quality was due mainly to sediment from grazing lands, which causes water to be cloudy and affects the growth of coral and seagrass.

Fertiliser run-off, particularly nitrogen, from the sugarcane industry was also causing crown of thorns outbreaks as the nutrients were fuelling the growth of the predatory coral-feeding starfish, he added.

The funding would go on programmes such as planting trees along stream banks to stop erosion, the scientists said.

A spokesman for Environment Minister Greg Hunt said the government

was doing "more than ever before" to protect the reef for future generations.

Citation: 'Now or never' to save Barrier Reef: scientists (2016, May 19) retrieved 3 May 2024 from <https://phys.org/news/2016-05-barrier-reef-scientists.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.