

Calls for climate action over Great Barrier Reef bleaching

March 21 2016



Bleaching occurs when abnormal environmental conditions, such as warmer sea temperatures, cause corals to expel tiny photosynthetic algae, draining them of their colour

Environmental groups on Monday urged greater action on climate change after the government declared the highest alert level over an epidemic of coral bleaching in the pristine northern reaches of



Australia's Great Barrier Reef.

The Australian government said Sunday that corals had turned white and grey in parts of the World Heritage-listed marine park, with the <u>bleaching</u> "severe" in northern areas.

Environmental group WWF said large sections of coral near Lizard Island were drained of all colour and fighting for survival.

"The <u>reef</u> can recover but we must speed up the shift to clean, renewable energy and we must build reef resilience by reducing runoff pollution from farms and land clearing," WWF spokesperson Richard Leck said.

Bleaching occurs when abnormal environmental conditions, such as warmer sea temperatures, cause corals to expel tiny photosynthetic algae, draining them of their colour.

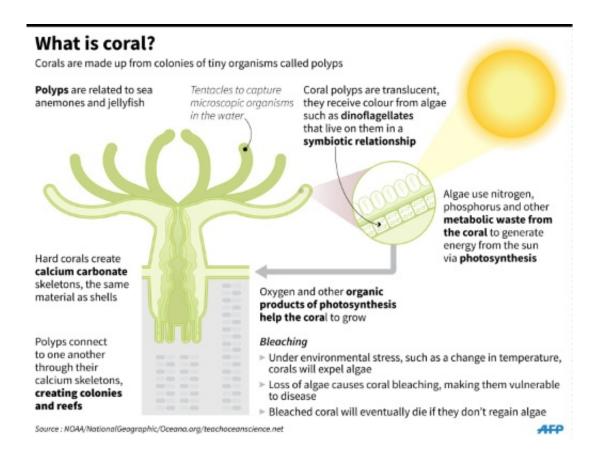
Corals can recover if the water temperature drops and the algae are able to recolonise them.

"The pictures we're seeing coming out of the northern Great Barrier Reef are devastating," Greenpeace Australia Pacific's Shani Tager said.

"The Queensland and federal governments must see this as a red alert and act accordingly."

She called on the government to reconsider coal mining, saying the burning of the fuel was "driving <u>climate change</u>, warming our waters and bleaching the life and colour out of our reef".





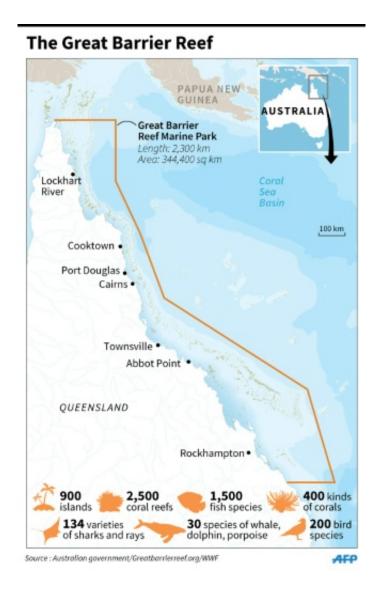
Factfile on corals and coral bleaching

Environment Minister Greg Hunt, who inspected the area by air on Sunday, said three-quarters of the reef was experiencing "minor to moderate bleaching".

He said while the bleaching was nowhere near as bad as in 1998 or 2002, in the top quarter, north of Lizard Island, it was severe.

Jodie Rummer, a senior research fellow at James Cook University, said after spending 40 or so days at Lizard Island the situation was "not good at all".





Australia's Great Barrier Reef

She said while the northern parts of the reef were among its most beautiful and pristine, they had also been hard hit by cyclones in recent years which had caused structural damage to the coral.

"Certain areas that are typically 100 percent coral cover—which is a really healthy reef—are almost 100 percent bleached now; so it's quite disturbing," she told AFP.



"And it's quite sobering as well to think that this is the wake up call that we're getting to take better care of our environment."

Rummer said researchers needed more time to know the full extent of the bleaching and the damage to the reef and its marine life.

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