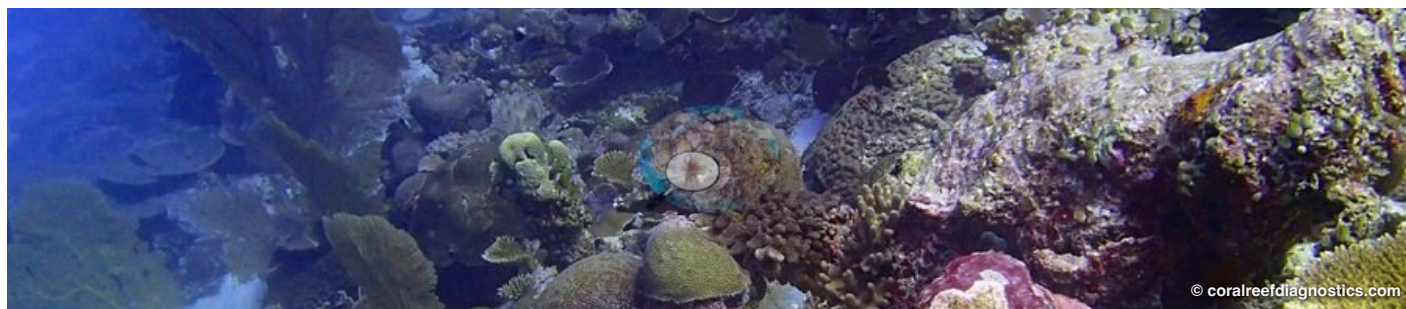


Chagos Archipelago - Great Chagos Bank West (BITB30)

Redemption Rock · surveyed 2015-03-18



Coral Health Index: TBD

What was done. Coral cover here was measured on in-situ benthic transects run by divers on the [Living Oceans Foundation Global Reef Expedition](#) — a diver measurement, not an estimate read off photographs.

HARD CORAL COVER

43%

Benthic surveys

TODAY'S HEAT LOAD

28.9°C

0.0°C-weeks

16 Sep 2026 · -0.1°C vs the annual mean (29.0 °C)
· [NOAA](#) No heat stress

HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)

4.4°C-weeks

[NOAA](#) annual peaks averaging 4–8 °C-weeks

MAX. DEPTH

26.5 m

dive-log maximum

WATER TEMP. (SURVEY)

29.6°C

+0.7°C vs the 2015 mean sea temperature (28.9°C)

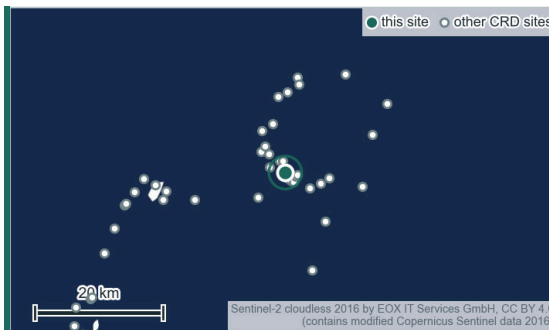
PHOTOGRAPHS

33

on file for this site

POSITION

-6.1640, 71.5321



A Great Chagos Bank reef where the ground between table corals is a fine mosaic of tiny coral colonies, sea squirts, and pink coralline algae, patrolled by a clown triggerfish. Unusually for Chagos, both of the survey's target cauliflower-type corals (*P. acuta/damicornis* and *Seriatopora*) were recorded here, and the only dead coral is old. Surveyed on the [Living Oceans Foundation's Global Reef Expedition](#).



CV model comparison (hard-coral cover, %): Transect (published) 42.5 · [CoralNet](#) 29.9 · In-house DINOv3 18.3 · CoralSCOP edited 30.3 · Claude 14.0

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 33 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/gre-chagos-archipelago-gcb-west-bitb30.html> · Heat stress is the mean of the latest five annual maxima of [NOAA Coral Reef Watch](#) degree-heating weeks for this reef's [NOAA CRW](#) virtual station (Chagos) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.