

Chagos Archipelago - Great Chagos Bank West (BIDI08)

Danger Island · surveyed 2015-03-12



Coral Health Index: 3.50/5

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

59%

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

16.4 m

dive-log maximum

WATER TEMP. (SURVEY)

28.4°C

-0.5°C vs the 2015 mean sea temperature (28.9°C)

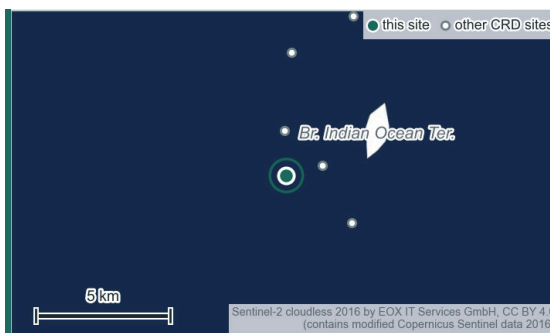
PHOTOGRAPHS

39

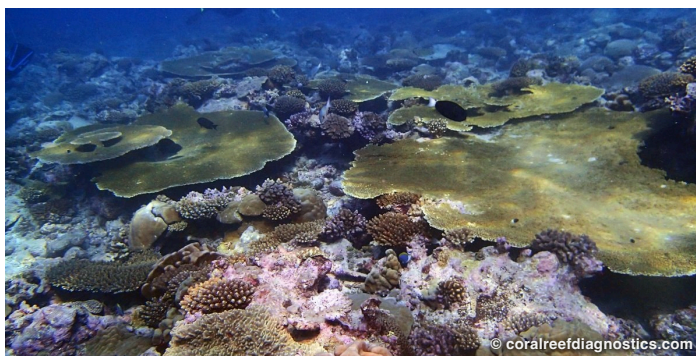
on file for this site

POSITION

-6.3942, 71.2341



BIDI08, at Danger Island, has an unusually high 59% coral cover carried by large tabular plates over well-consolidated crustose coralline pavement, plus a deployed underwater instrument logger left in place on the reef. Bleaching was essentially absent, and the site is known for large fusilier schools, whitetip reef sharks, and a deep purple-black giant clam. Surveyed on the [Living Oceans Foundation's Global Reef Expedition](#).



CV model comparison (hard-coral cover, %): Transect (published) 59.0 · [CoralNet](#) 36.4 · In-house DINOv3 29.1 · CoralSCOP edited 38.9 · Claude 35.2

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 39 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/gre-chagos-archipelago-gcb-west-bidi08.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.