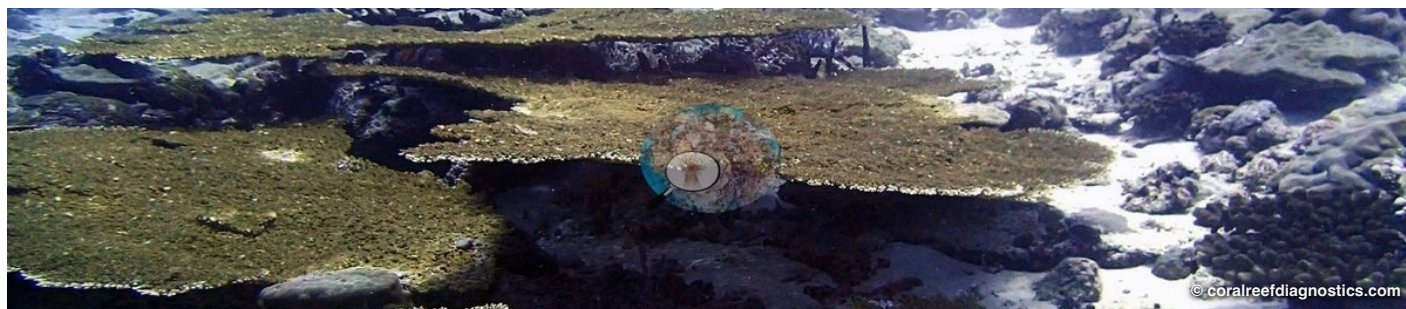


Chagos Archipelago - Great Chagos Bank West (BITB45)

Three Brothers · surveyed 2015-03-23



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. The written account of the site is a review of its photographs, not a second survey.

HARD CORAL COVER

46%

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

25.7 m

dive-log maximum

WATER TEMP. (SURVEY)

29.9°C

+1.0°C vs the 2015 mean sea temperature (28.9°C)

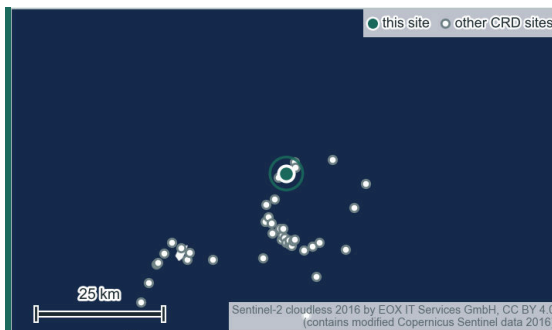
PHOTOGRAPHS

13

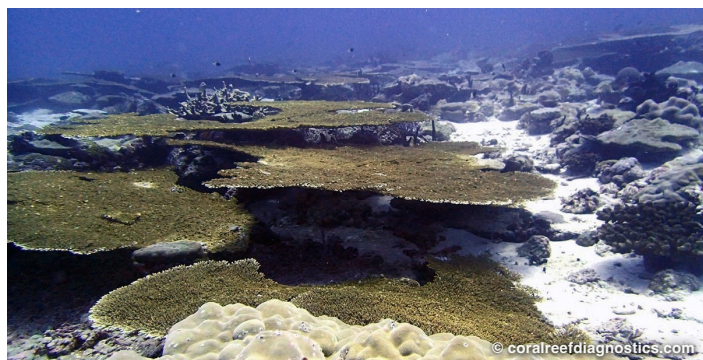
on file for this site

POSITION

-6.0508, 71.5350



A sheltered lagoon reef at about 26 m inside Three Brothers where *Acropora* thickets and plate stands sit on white carbonate sand, with almost no fleshy algae. Unusually for Chagos, *Acropora* becomes more dominant with depth; one large table shows pale mottling but no clear bleaching event. Surveyed on the [Living Oceans Foundation's Global Reef Expedition](#).



CV model comparison (hard-coral cover, %): Transect (published) 45.6 · [CoralNet](#) 44.5 · In-house DINOv3 39.2 · CoralSCOP edited 36.1 · Claude 33.3

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 13 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/gre-chagos-archipelago-gcb-west-bitb45.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.