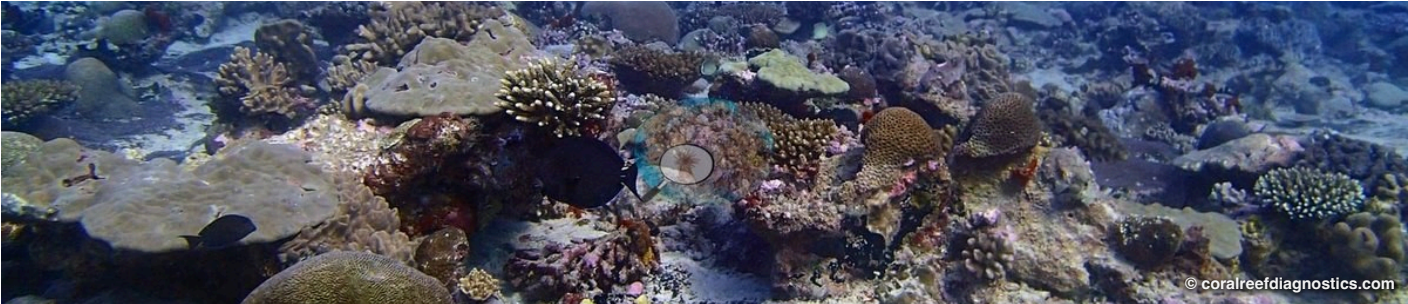


Chagos Archipelago - Great Chagos Bank West (BIEA18)

Eagle Island · surveyed 2015-03-15



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

21%

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

25.3 m

dive-log maximum

WATER TEMP. (SURVEY)

29.3°C

+0.4°C vs the 2015 mean sea temperature (28.9°C)

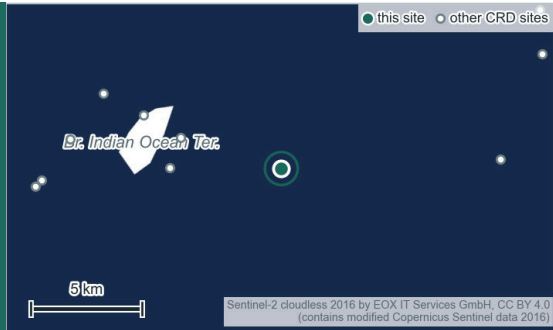
PHOTOGRAPHS

43

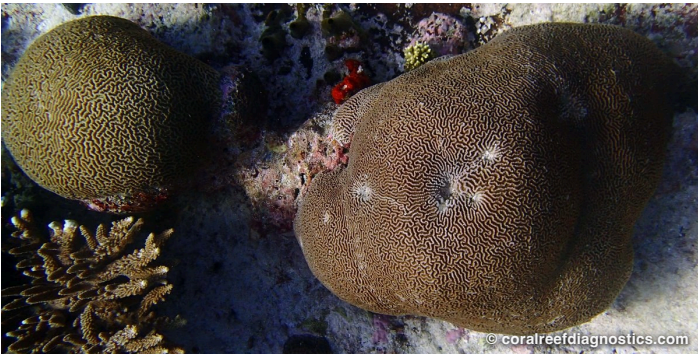
on file for this site

POSITION

-6.2024, 71.4042



BIEA18 has 21% coral cover and hosts a rich fish assemblage - bluefin trevally, an emperor angelfish, a whitetip reef shark - plus a tight aggregation of long-spined *Diadema* urchins and a painted spiny lobster photographed sheltering under a ledge across seven consecutive frames. A brown massive *Porites* nearby showed sharply-edged patches of recent partial mortality. Surveyed on the [Living Oceans Foundation's Global Reef Expedition](#).



CV model comparison (hard-coral cover, %): Transect (published) 20.7 · [CoralNet](#) 22.3 · In-house DINOv3 14.6 · CoralSCOP edited 28.1 · Claude 17.7

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 43 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/gre-chagos-archipelago-gcb-west-biea18.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.