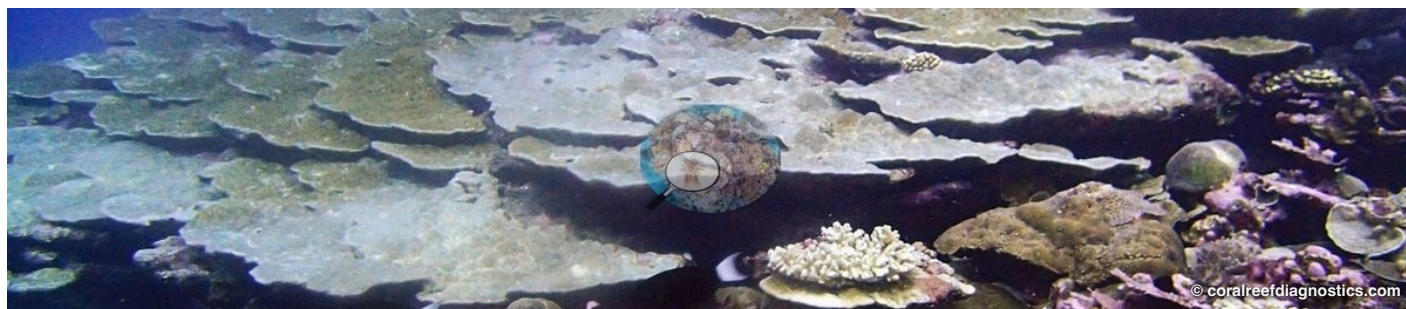


Chagos Archipelago - Great Chagos Bank North (BINI77)

Nelson Island · surveyed 2015-04-20



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

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

25.2 m

dive-log maximum

WATER TEMP. (SURVEY)

29.5°C

+0.5°C vs the 2015 mean sea temperature (29.0°C)

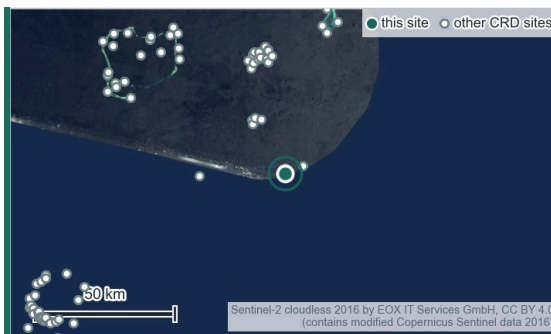
PHOTOGRAPHS

11

on file for this site

POSITION

-5.7059, 72.3241



A sheltered patch reef about 22 m down inside Nelson Island's lagoon, where 43% coral cover shifts from *Acropora* in the shallows to *Porites* at depth over clean, coralline-crusts rock rather than silt. Stark white tables and branching colonies back up a published 16% bleaching figure, and much of the table-coral framework appears to be standing dead. Surveyed on the [Living Oceans Foundation's Global Reef Expedition](#).



CV model comparison (hard-coral cover, %): Transect (published) 43.0 · [CoralNet](#) 29.8 · In-house DINOv3 26.1 · CoralSCOP edited 33.5 · Claude 25.7

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 11 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/gre-chagos-archipelago-gcb-north-bini77.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.