

Chagos Archipelago - Salomons Island (BISA94)

Salomon · surveyed 2015-04-25



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

40%

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

18.6 m

dive-log maximum

WATER TEMP. (SURVEY)

29.9°C

+0.8°C vs the 2015 mean sea temperature (29.1°C)

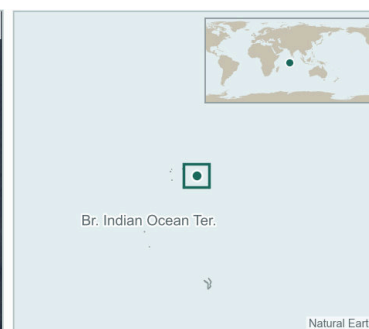
PHOTOGRAPHS

2

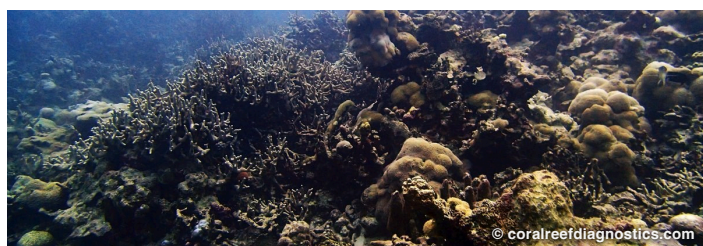
on file for this site

POSITION

-5.3504, 72.2200



A sheltered lagoon patch reef at 19 m inside Salomon where fleshy turf and macroalgae compete with a *Porites*- and *Goniopora*-dominated coral community, with *Acropora* almost completely absent, an extreme for Chagos. Coral collapses from 63% in the shallows to under 11% at depth, and only two photos exist, so condition is hard to assess. Surveyed on the [Living Oceans Foundation's Global Reef Expedition](#).



CV model comparison (hard-coral cover, %): Transect (published) 40.3 · [CoralNet](#) 47.4 · In-house DINOv3 56.7 · CoralSCOP edited 21.4 · Claude 23.1

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 2 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/gre-chagos-archipelago-salomons-island-bisa94.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.