Tonga - Ha'apai (TOHA25)

surveyed 2013-09-19



0 — 5

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 over 6 transects — a diver measurement, not an estimate read off photographs. The written account of the site is a review of its photographs, the author's sampling sheet, and the expedition's survey records, not a second survey.

HARD CORAL COVER
8.6%
Benthic transects+photo-quadrats

MOST RECENT HEAT LOAD RECORD
24.3°C **0.0°C-weeks**
26 Oct 2026 · -2.5°C vs the past-365-day mean (26.8°C) · NOAA No heat stress

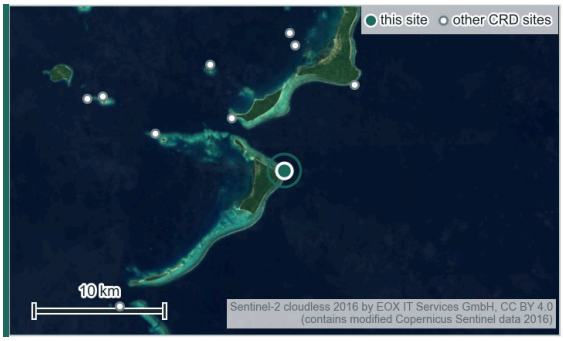
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.1°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

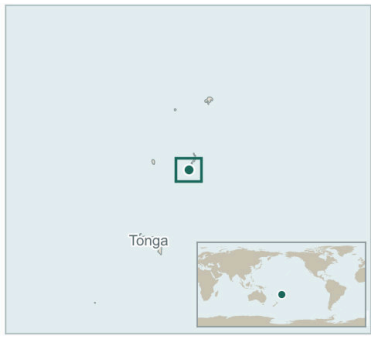
MAX. DEPTH
31.4 m
dive-log maximum

WATER TEMP. (SURVEY)
24.7°C
CTD-cast midpoint of 24.6–24.7°C
-1.9°C vs the 2013 mean sea temperature (26.6°C)

PHOTOGRAPHS
5 in the gallery · 6 on file

POSITION
-19.8923, -174.3881
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).

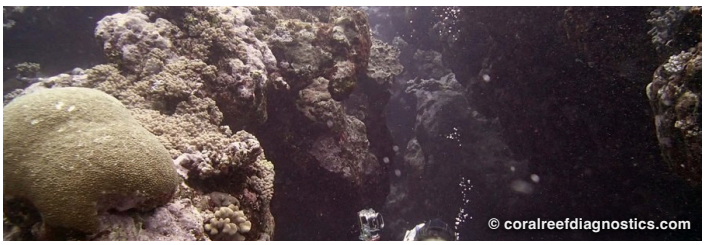




Cover here is 8.6%: a cave between undercut walls of blackened rock opening onto white sand, with only small, low-lying corals on the coralline-crusted pavement. A giant clam with an intricately gold-spotted black mantle was the standout, and none of the five photographs shows bleaching or disease. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Ko e ‘ufi‘ufi heni ko e 8.6%: ko ha ‘ana ‘i he vaha‘a ‘o e ngaahi holisi kuo keli ‘i lalo ‘o e maka ‘uli‘uli ‘oku hū atu ki he ‘one‘one hinehina, mo e ngaahi ki‘i feo mā‘ulalo pē ‘i he tu‘unga kuo ‘ufi‘ufi ‘e he limu feo (coralline-crusted pavement). Ko e me‘a mahu‘inga taha ko ha vāsuva (giant clam) ‘oku ‘uli‘uli hono kili (mantle) mo e ngaahi pulepule koula faka‘ofo‘ofa, pea ‘oku ‘ikai hā ha hinehina (bleaching) pe mahaki ‘i ha taha ‘o e ngaahi tā (photographs) ‘e nima. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 5 in the gallery · 6 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-ha-apai-toha25.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 (Southern Tonga) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.