Tonga - Ha'apai (TOHA24)

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 7 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
26%
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

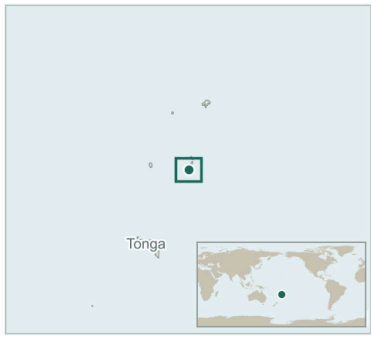
MAX. DEPTH
30.5 m
dive-log maximum

WATER TEMP. (SURVEY)
24.3°C
CTD-cast midpoint of 24.2–24.4°C
-2.3°C vs the 2013 mean sea temperature (26.6°C)

PHOTOGRAPHS
5 in the gallery · 5 on file

POSITION
-19.8334, -174.3369
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A scoured, low-relief windward reef in Ha'apai where the most striking feature is a dense carpet of green anemones spreading over several square meters of pink coralline pavement. The stony corals are small and low-lying, and a school of several dozen barracuda passed overhead, and none of the five photographs shows bleaching or disease. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Ko ha hakau kuo tafi‘i mo mā‘ulalo ‘i he tafa‘aki ki he matangi (windward) ‘i Ha‘apai, ko hono me‘a fakaofo taha ko ha falikiliki fefu‘ifu‘i ‘o e ‘anemone lanu mata (green anemones) ‘oku mafola ‘i ha ngaahi mita sikuea ‘e ni‘ihi ‘o e tu‘unga feo lanu piliki (pink coralline pavement). ‘Oku tkiiki mo mā‘ulalo ‘a e ngaahi feo fefeka, pea na‘e ‘alu atu ‘i ‘olunga ha kulupu ‘o e ono (barracuda) ‘e hongofulu tupu, 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 · 5 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-ha-apai-toha24.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.