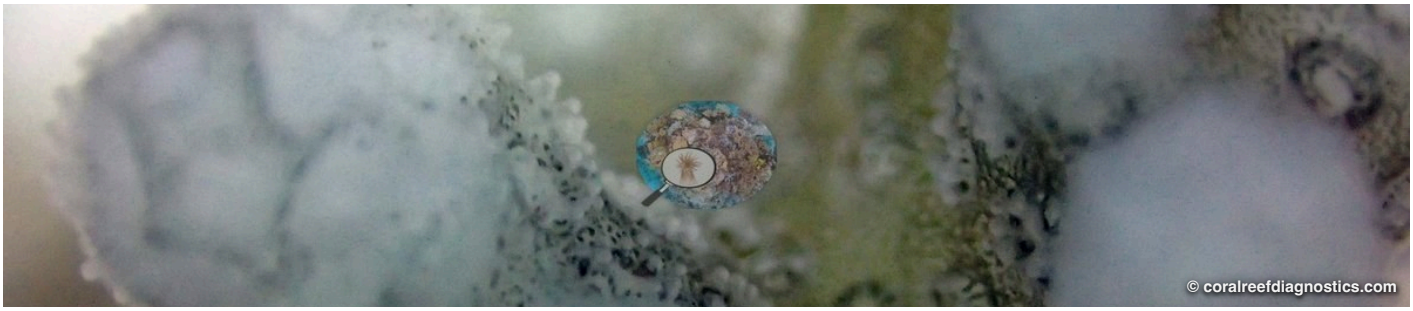
Tonga - Ha'apai (TOHA09)

surveyed 2013-09-14



0 — 5

Coral Health Index: 2.00/5

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 5 transects — a diver measurement, not an estimate read off photographs. The written account of the site is drawn from the Global Reef Expedition's survey records and field reports; the page also shows the author's photographs of colonies sampled there and the author's dive notes.

HARD CORAL COVER
25%
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

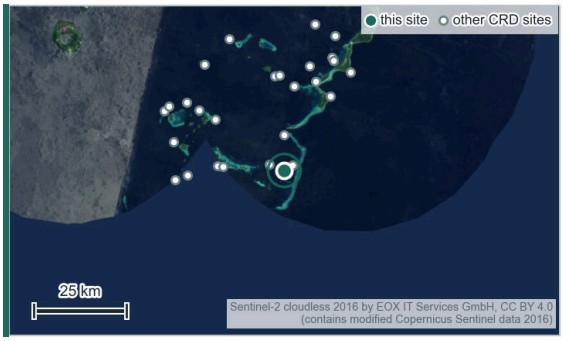
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.1°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

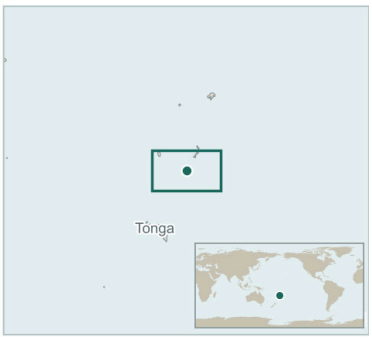
MAX. DEPTH
21.3 m
dive-log maximum

WATER TEMP. (SURVEY)
24.1°C
CTD-cast midpoint of 24.1–24.2°C
-2.4°C vs the 2013 mean sea temperature (26.5°C)

PHOTOGRAPHS
50 in the gallery · 51 on file

POSITION
-20.0714, -174.5074
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).

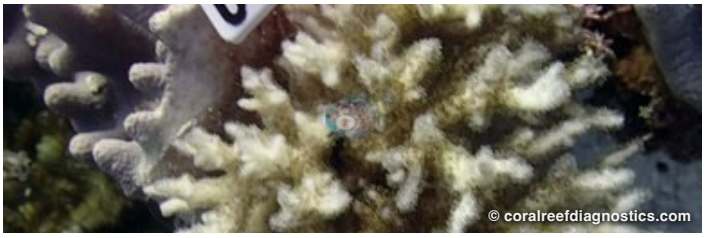




A lagoon patch reef in Ha'apai where the shallows are carpeted with turf, soft corals, and zoanthids, and coral cover peaks at 30-40% around 20 m with table *Acropora* and plating corals some 3-4 m across. About 2-5% of the table corals and *Pocillopora* showed signs of white syndrome, and turf algae covered much of the mid and deeper reef. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Ko ha ki'i hakau 'i he namo (lagoon patch reef) 'i Ha'apai, 'oku 'ufi'ufi ai 'a e feitu'u mamaha 'e he limu nounou (turf), feo molū (soft corals), mo e zoanthid, pea 'oku mā'olunga taha 'a e 'ufi'ufi 'e he feo (coral cover) 'i he 30-40% 'i he meimei 20 m, mo e *Acropora* fakatēpile (table) mo e ngaahi feo fakapaleti (plating) 'oku meimei 3-4 m hono fālahi. Na'e hā 'i he meimei 2-5% 'o e ngaahi feo fakatēpile mo e *Pocillopora* 'a e ngaahi faka'ilonga 'o e mahaki white syndrome, pea na'e 'ufi'ufi 'e he limu nounou (turf algae) 'a e lahi 'o e hakau loto mo loloto. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 50 in the gallery · 51 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-ha-apai-toha09.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.