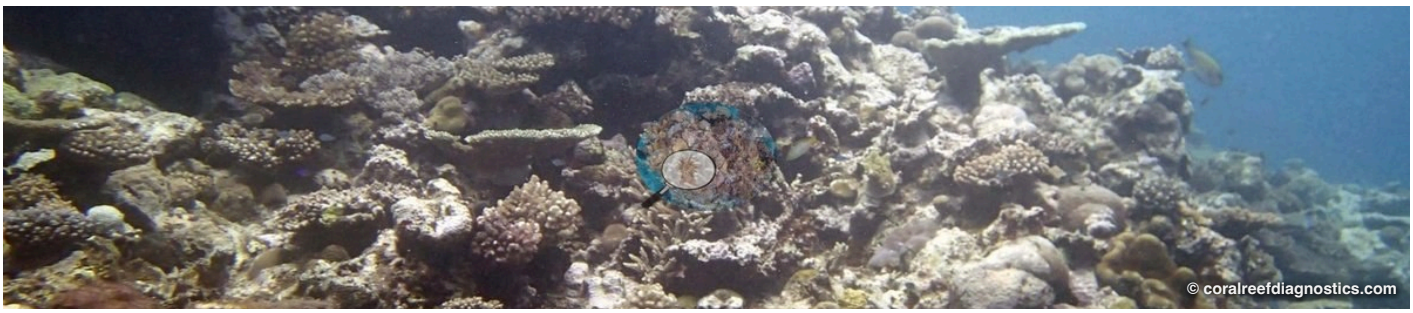
Tonga - Ha'apai (TOHA01)

surveyed 2013-09-11



0 — 5

Coral Health Index: 1.13/5

Scored from two colonies only.

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 4 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

30%

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

24.7 m

dive-log maximum

WATER TEMP. (SURVEY)

23.8°C

CTD-cast midpoint of 23.7–23.8°C

-2.8°C vs the 2013 mean sea temperature (26.6°C)

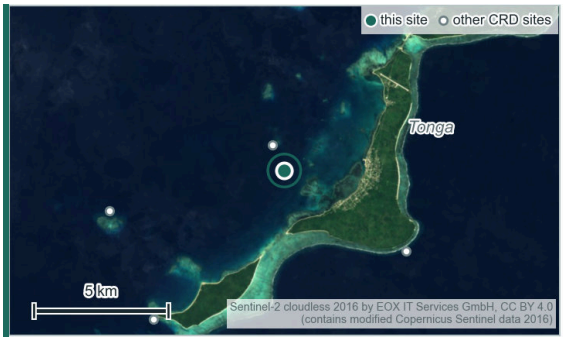
PHOTOGRAPHS

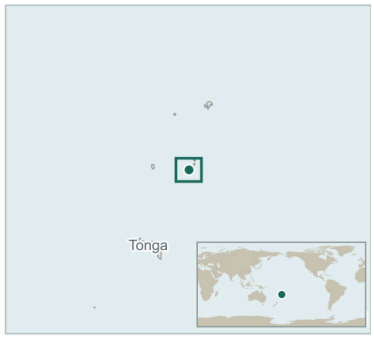
8 in the gallery · 26 on file

POSITION

-19.8064, -174.3803

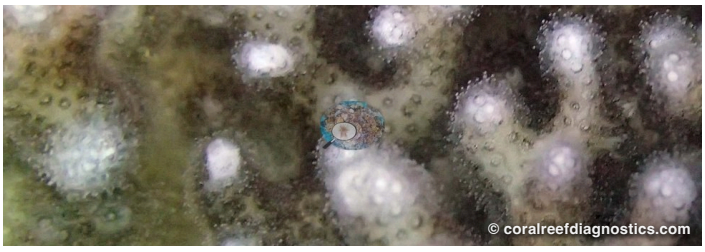
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





TOHA01, a lagoonal patch reef in Tonga's Ha'apai group, carried 30% coral cover on the survey transect; the survey notes put the shallows (5-10 m) at 20-30% and the mid-to-deep slope at 20-80%, where large table and bottlebrush *Acropora*, *Porites rus*, and huge mounding *Porites lobata* (2-3 m) dominate. Despite the respectable cover, the Coral Health Index here was a very low 1.13, and the reef showed low-level corallivory (*Drupella* snails, *Culcita* cushion stars with freshly eaten corals) and a few isolated disease cases, a reef with a fair amount of coral that scored poorly once condition was weighed. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Ko TOHA01, ko ha ki'i hakau ‘i he namo (lagoonal patch reef) ‘i he ‘otu motu Ha‘apai ‘o Tonga, na‘e 30% ‘a e ‘ufi‘ufi ‘e he feo (coral cover) ‘i he transect ‘o e savea; ‘oku fakahā ‘e he ngaahi nouti ‘o e savea ko e feitu‘u mamaha (5-10 m) na‘e 20-30% pea ko e tafa‘aki loto mo loloto na‘e 20-80%, ‘a ia ‘oku pule‘i ai ‘e he *Acropora* fakatēpile (table) mo fakapulumu (bottlebrush) lalahi, *Porites rus*, mo e *Porites lobata* fakapuke lalahi ‘aupito (2-3 m). Neongo ‘a e ‘ufi‘ufi lelei ko ia, na‘e mā‘ulalo ‘aupito ‘a e Coral Health Index heni ‘i he 1.13, pea na‘e hā ‘i he hakau ha kai feo si‘isi‘i (corallivory) (ko e ‘elele *Drupella*, mo e *Culcita* (cushion stars) mo e ngaahi feo na‘e toki kai) mo ha ngaahi mahaki si‘i pē ‘i ha ngaahi feitu‘u mavahevahe, ko ha hakau ‘oku fe‘unga hono lahi ‘o e feo ka na‘e mā‘ulalo hono maaka ‘i he taimi na‘e fakakaukau‘i ai hono tu‘unga. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 8 in the gallery · 26 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-ha-apai-toha01.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.