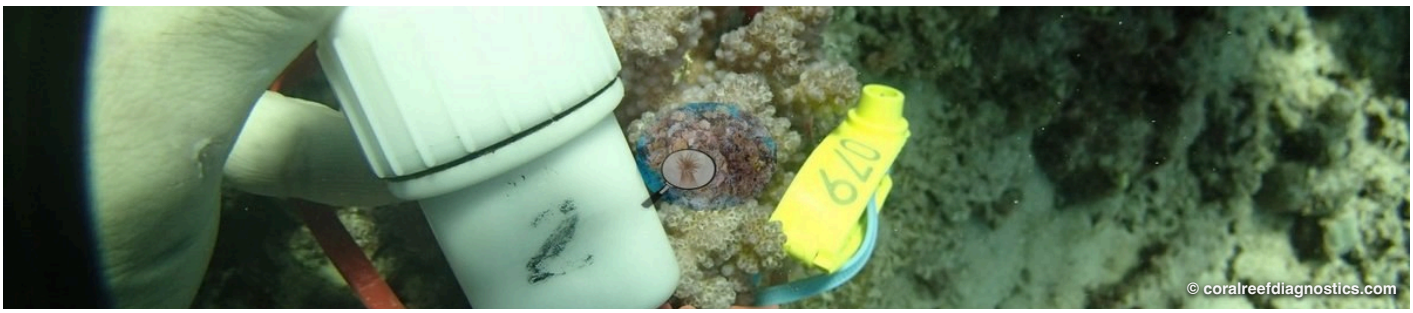
Tonga - Ha'apai (TOHA07)

surveyed 2013-09-13



0 — 5

Coral Health Index: 3.03/5

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 5 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

16%

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

13.1 m

dive-log maximum

WATER TEMP. (SURVEY)

24.2°C

CTD-cast midpoint of 24.2–24.3°C

-2.3°C vs the 2013 mean sea temperature (26.5°C)

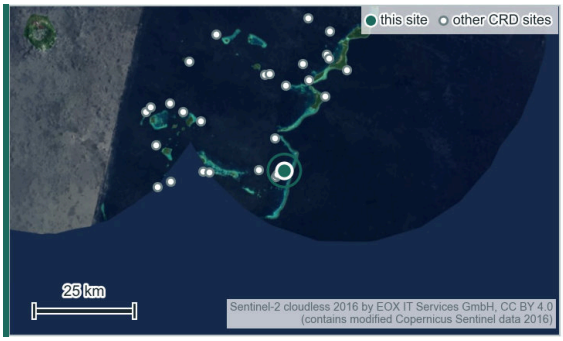
PHOTOGRAPHS

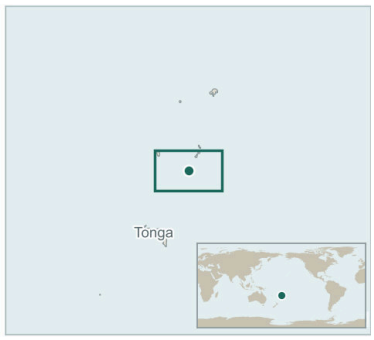
19 in the gallery · 19 on file

POSITION

-20.0581, -174.4856

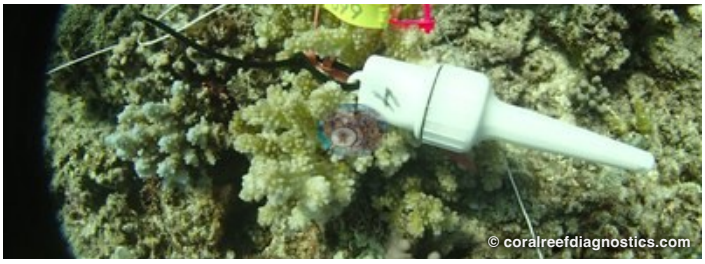
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A low-relief lagoon patch reef in Ha'apai: sand from 8 to 25 m scattered with coral bommies up to 20 m wide, some dominated by *Lobophyllia*, with 2-3 m *Diploastrea* at the deep end and unusual species such as *Euphyllia* and foliose *Pachyseris* mounds. The photographs are close-ups of three tagged *Pocillopora* colonies sampled for research, not a view of the wider reef. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Ko ha ki'i hakau mā'ulalo 'i he namo (lagoon patch reef) 'i Ha'apai: ko e 'one'one mei he 8 ki he 25 m 'oku mafola ai 'a e ngaahi bommie feo 'o a'u ki he 20 m hono fālahi, ko e ni'ihi 'oku pule'i 'e he *Lobophyllia*, mo e *Diploastrea* 'o e 2-3 m 'i he tafa'aki loloto, mo ha ngaahi fa'ahinga ta'e-angamaheni hangē ko e *Euphyllia* mo e ngaahi puke 'o e *Pachyseris* fakala'ā (foliose). Ko e ngaahi tā ko e ngaahi tā ofi pē 'o ha kulupu *Pocillopora* 'e tolu na'e faka'ilonga'i (tagged) pea to'o sīpinga mei ai ki he fakatotolo, 'o 'ikai ko ha vakai ki he hakau kotoa. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 19 in the gallery · 19 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-ha-apai-toha07.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.