Tonga - Ha'apai (TOHA11)

surveyed 2013-09-15

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 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.

HARD CORAL COVER

50%

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 (TEAM DIVE LOG)

14.3 m

expedition team log maximum (not Anderson's own dive)

WATER TEMP. (SURVEY)

24.4°C

CTD-cast midpoint of 24.4–24.5°C

-2.3°C vs the 2013 mean sea temperature (26.7°C)

PHOTOGRAPHS

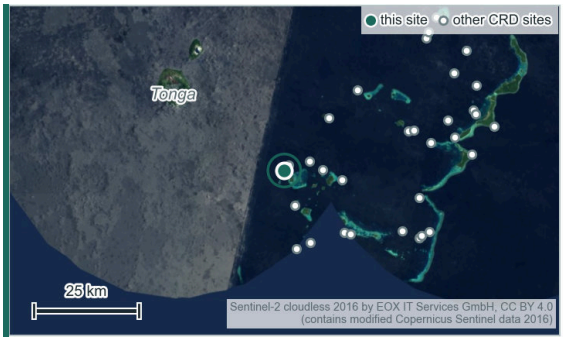
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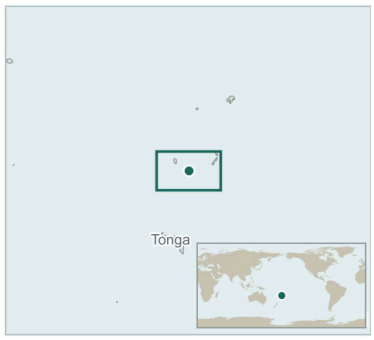
none on file

POSITION

-19.9271, -174.8158

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





Anderson did not dive this site; the survey team describes terraces and wide spurs dropping to a vertical wall from 12 to 40 m, with cover climbing to 80% at 10-15 m among staghorn, table, and bottlebrush *Acropora* and big plating corals 3-4 m across. The deeper wall faces carried heavy *Caulerpa* algae. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Na‘e ‘ikai uku ‘a Anderson ‘i he potu ni; ‘oku fakamatala‘i ‘e he timi savea ‘a e ngaahi tu‘unga (terraces) mo e ngaahi spurs fālahi ‘oku tō hifo ki ha holisi tu‘u hangatonu mei he 12 ki he 40 m, mo e ‘ufi‘ufi ‘oku a‘u ki he 80% ‘i he 10-15 m ‘i he lotolotonga ‘o e *Acropora* staghorn, fakatēpile (table), mo fakapulumu (bottlebrush) mo e ngaahi feo fakapaleti (plating) lalahi ‘oku 3-4 m hono fālahi. Na‘e ‘i ai ‘a e limu *Caulerpa* lahi ‘i he ngaahi mata ‘o e holisi loloto ange. *AI translation of this summary; the English is authoritative. (low confidence)*

Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-ha-apai-toha11.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.