Tonga - Ha'apai (TOHA23)

surveyed 2013-09-18

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 8 transects — a diver measurement, not an estimate read off photographs. The written account of the site is from the author's dive notes, not a second survey.

HARD CORAL COVER

37%

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

25.3 m

dive-log maximum

WATER TEMP. (SURVEY)

25.6°C

CTD-cast midpoint of 25.5–25.6°C

-1.0°C vs the 2013 mean sea temperature (26.6°C)

PHOTOGRAPHS

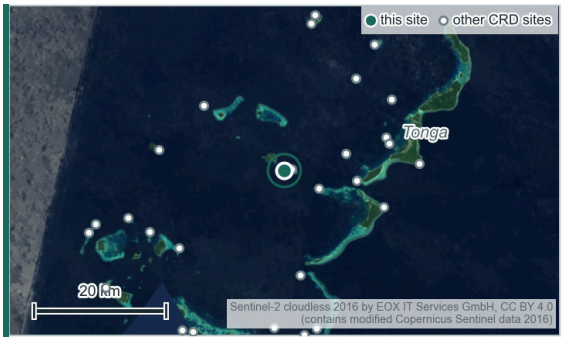
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none on file

POSITION

-19.8429, -174.5321

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





Anderson dived this lagoonal pinnacle reef but took no photographs (the sampling sheet notes that Joao photographed the sampled colonies), so the account comes from the survey team's records and Anderson's own sampling sheet and dive log: an outer reef rising to 5-7 m before dropping steeply past 40 m, its crest dominated by dense bottlebrush and staghorn *Acropora*. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Na‘e uku ‘a Anderson ‘i he hakau tumutumu ko ‘eni ‘i he namo (lagoonal pinnacle reef) ka na‘e ‘ikai ha‘ane tā ‘a‘ana (‘oku fakahā ‘e he pepa sampling na‘e faitaa‘i ‘e Joao ‘a e ngaahi kulupu na‘e to‘o sīpinga mei ai), ko ia ‘oku ha‘u ‘a e fakamatala mei he ngaahi lēkooti ‘a e timi savea pea mo e pepa sampling mo e tohi uku (dive log) ‘a Anderson tonu: ko ha hakau ‘i tu‘a ‘oku hake ki he 5-7 m kimu‘a pea tō hifo fakafokifā ‘o laka hake ‘i he 40 m, ‘oku pule‘i hono tumutumu ‘e he *Acropora* fakapulumu (bottlebrush) mo e staghorn fefu‘ifu‘i. *AI translation of this summary; the English is authoritative. (low confidence)*

Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-ha-apai-toha23.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.