Tonga - Ha'apai (TOHA05)

surveyed 2013-09-12

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 4 transects — a diver measurement, not an estimate read off photographs. The written account of the site is drawn from the author's sampling sheet and the expedition's survey records, not a second survey.

HARD CORAL COVER

35%

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

17.4 m

dive-log maximum

WATER TEMP. (SURVEY)

24.3°C

CTD-cast midpoint of 24.2–24.3°C

-2.3°C vs the 2013 mean sea temperature (26.6°C)

PHOTOGRAPHS

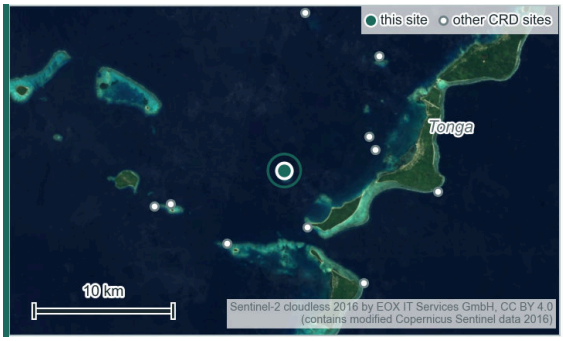
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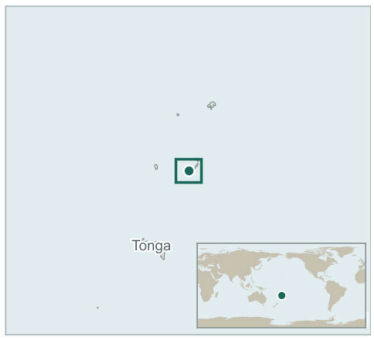
none on file

POSITION

-19.8198, -174.4426

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





TOHA05, a leeward lagoonal pinnacle reef in Tonga's Ha'apai group, recorded 35% coral cover; no photographs survive from this dive. The written field notes describe a high cover of branching acroporids, thickets of bottlebrush *Acropora*, and *Pocillopora* on the shallow mounds, but also numerous recently eaten corals, especially bottlebrush *Acropora*, and six crown-of-thorns starfish plus two *Culcita* cushion stars found on the reef. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Ko TOHA05, ko ha hakau tumutumu (pinnacle reef) ʻi he namo ʻi he tafaʻaki maluʻi mei he matangi (leeward) ʻi he ʻotu motu Haʻapai ʻo Tonga, naʻe lēkooti ai ʻa e ʻufiʻufi ʻe he feo (coral cover) ʻo e 35%; ʻoku ʻikai ha tā ʻe taha mei he uku ni. ʻOku fakamatalaʻi ʻe he ngaahi nouti tohi ʻo e feituʻu ʻa e ʻufiʻufi lahi ʻe he ngaahi acroporid fakavaʻavaʻa, ngaahi vao ʻo e *Acropora* fakapulumu (bottlebrush), mo e *Pocillopora* ʻi he ngaahi puke mamaha, ka ʻoku toe lahi foki ʻa e ngaahi feo naʻe toki kai, tautautefito ki he *Acropora* fakapulumu, pea naʻe ʻilo ʻi he hakau ha ʻalamea (crown-of-thorns starfish) ʻe ono mo e *Culcita* (cushion stars) ʻe ua. *AI translation of this summary; the English is authoritative. (low confidence)*

Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-ha-apai-toha05.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.