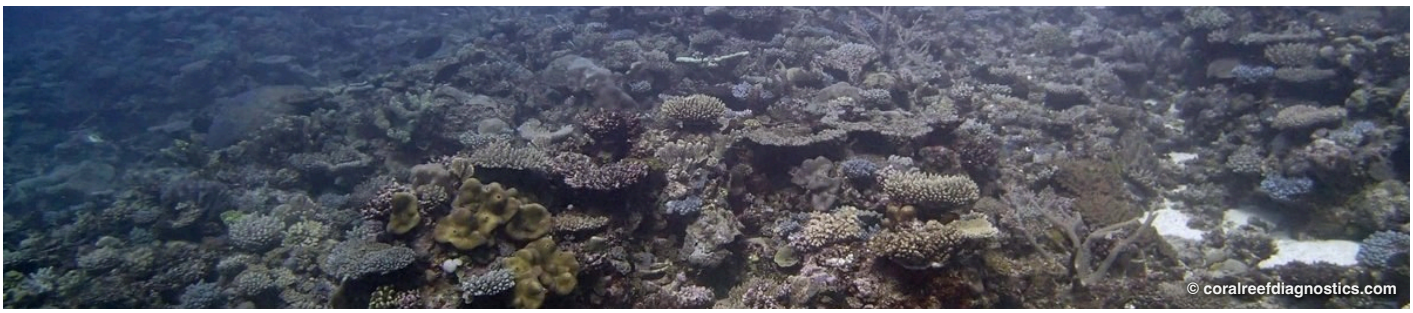
Tonga - Vava'u (TOVA47)

surveyed 2013-09-26



0 — 5

Coral Health Index: 3.71/5

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
44%
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

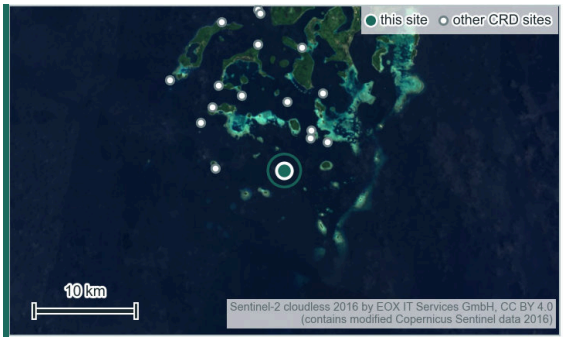
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.1°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
21.6 m
dive-log maximum

WATER TEMP. (SURVEY)
26.3°C
CTD-cast midpoint of 25.8–26.7°C
-0.8°C vs the 2013 mean sea temperature (27.1°C)

PHOTOGRAPHS
3 in the gallery · 45 on file

POSITION
-18.7989, -174.0451
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A leeward fringing reef in Vava'u whose 3-8 m shallows carry dense 50-80% cover of branching and table acroporids, most in excellent condition, although Anderson's sampling sheet records four of the eight *Pocillopora* colonies sampled as 60-95% bleached. The steep slope below is more broken, with overturned corals but a diverse assemblage, and several large giant clams and many sea cucumbers were seen. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Ko ha hakau matafonua (fringing reef) ʻi he tafaʻaki maluʻi mei he matangi (leeward) ʻi Vavaʻu ʻoku ʻi hono feituʻu mamaha ʻo e 3-8 m ʻa e ʻufiʻufi fefuʻifuʻi ʻo e 50-80% ʻe he ngaahi acroporid fakavaʻavaʻa mo fakatēpile (table), ko e lahi taha ʻoku lelei ʻaupito hono tuʻunga, neongo ʻoku lēkooti ʻe he pepa sampling ʻa Anderson ko e kulupu ʻe fā ʻi he kulupu *Pocillopora* ʻe valu naʻe toʻo sīpinga mei ai naʻe hinehina ʻaki ʻa e 60-95%. Ko e tafaʻaki tuʻu ʻi lalo ʻoku fasifasi ange, mo e ngaahi feo kuo fulihi ka ko ha kulupu kehekehe, pea naʻe sio ki ha ngaahi vāsuva (giant clams) lalahi mo e ngaahi loli (sea cucumbers) lahi. *AI translation of this summary; the English is authoritative. (low confidence)*



Photographs: Anderson Mayfield/Coral Reef Diagnostics — 2 on this card; 3 in the gallery · 45 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-vava-u-tova47.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.