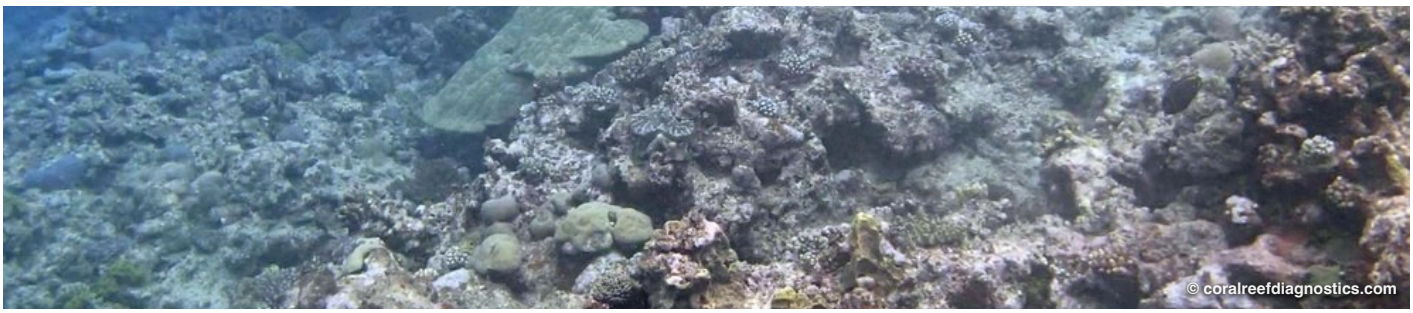
Tonga - Vava'u (TOVA48)

surveyed 2013-09-27



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 a review of its photographs, the author's sampling sheet, and the expedition's survey records, not a second survey.

HARD CORAL COVER

22%

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

27.7 m

dive-log maximum

WATER TEMP. (SURVEY)

26.0°C

CTD-cast midpoint of 25.6–26.4°C

-1.2°C vs the 2013 mean sea temperature (27.2°C)

PHOTOGRAPHS

5 in the gallery · 6 on file

POSITION

-18.5830, -174.0057

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

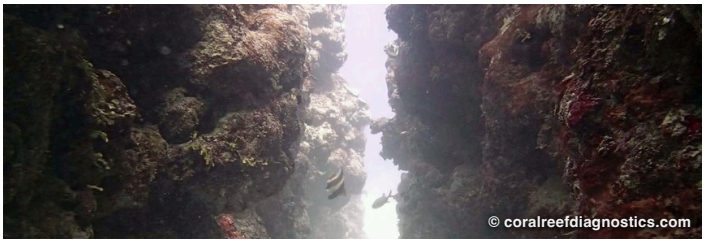




Off Vava'u, on a dive to 27.7 m, this reef reads more like a rubble-strewn pavement than a coral wall, with turf and coralline algae covering most of the benthos. Its main feature is broad, long-lived massive coral domes rising like boulders from the rubble, beside a sunlit crevice with a sandy floor. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. ‘I Vava‘u, ‘i ha uku ki he 27.7 m, ‘oku hangē ange ‘a e hakau ni ha tu‘unga maka (pavement) ‘oku mafola ai ‘a e maka momoa (rubble) ‘i ha holisi feo, mo e limu nounou (turf) mo e limu feo (coralline algae) ‘oku ‘ufi‘ufi ‘a e lahi taha ‘o e takele tahi (benthos). Ko hono me‘a tefito ko e ngaahi tumutumu feo lalahi (massive coral) fālahi mo mo‘ui fuoloa ‘oku hake hangē ha ngaahi maka lalahi mei he maka momoa, ‘i he ve‘e ha ki‘i ava ‘oku ulo ki ai ‘a e la‘ā pea ‘one‘one hono takele. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 5 in the gallery · 6 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-vava-u-tova48.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.