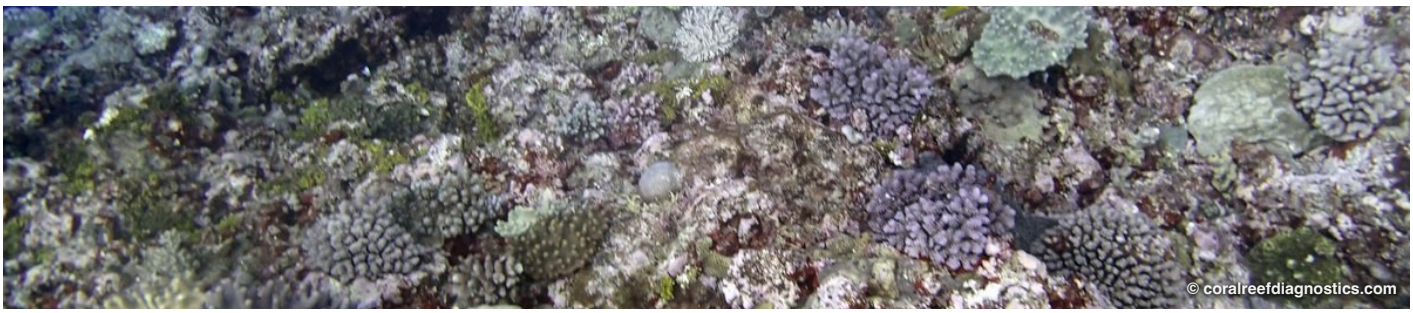
Tonga - Vava'u (TOVA49)

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

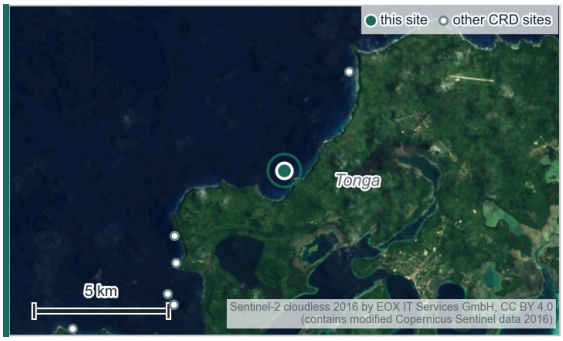
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.1°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
30.2 m
dive-log maximum

WATER TEMP. (SURVEY)
26.1°C
CTD-cast midpoint of 25.6–26.6°C
-1.1°C vs the 2013 mean sea temperature (27.2°C)

PHOTOGRAPHS
5 in the gallery · 5 on file

POSITION
-18.6162, -174.0286
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).

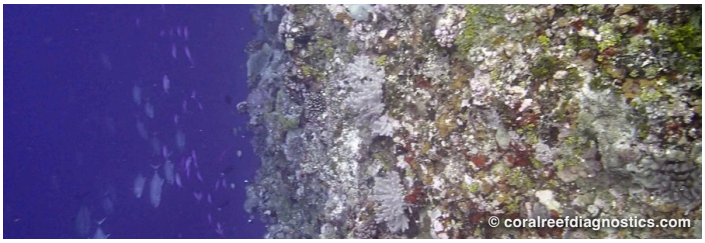




A steep wall on a submerged fore-reef pinnacle off Vava'u, where crustose coralline algae and turf cover most of the benthos and coral cover is 22%, nearly half of it *Pocillopora*. Anderson photographed the wall dropping into open blue water and a giant clam wedged into the reef. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

lea faka-Tonga. Ko ha holisi tu'u (steep wall) 'i ha tumutumu hakau kuo melemo (submerged fore-reef pinnacle) 'i Vava'u, 'oku 'ufi'ufi ai 'a e lahi taha 'o e takele tahi (benthos) 'e he limu feo pipiki (crustose coralline algae) mo e limu nounou (turf) pea ko e 'ufi'ufi 'e he feo (coral cover) ko e 22%, 'a ia ko e meimei vaeua ko e *Pocillopora*. Na'e faitaa'i 'e Anderson 'a e holisi 'oku tō hifo ki he tahi lanu pulū 'atā mo ha vāsuva (giant clam) kuo pipiki ki he hakau.
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 · 5 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-vava-u-tova49.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.