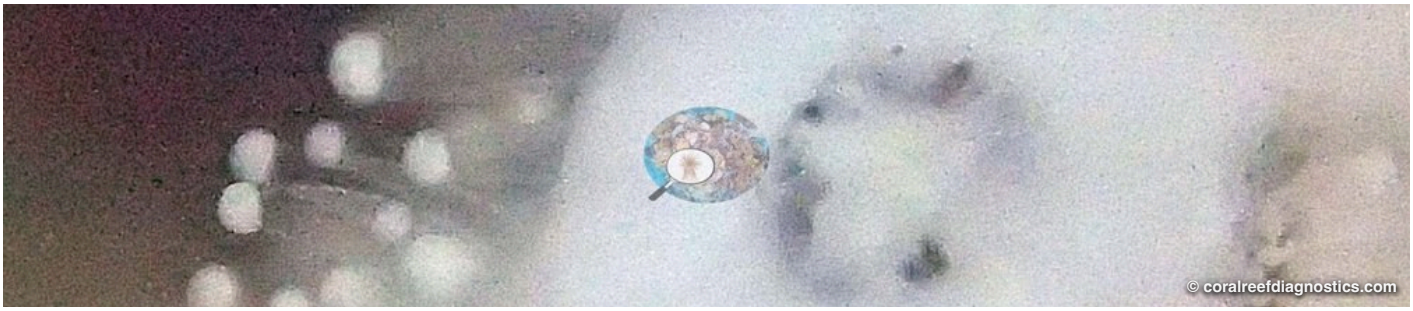
Tonga - Vava'u (TOVA35)

2 visits, 2013-09-22 – 2013-09-25



0 — 5

Coral Health Index: 1.50/5

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 drawn from the Global Reef Expedition's survey records and field reports; the page also shows the author's photographs of colonies sampled there and the author's dive notes.

HARD CORAL COVER
41%
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

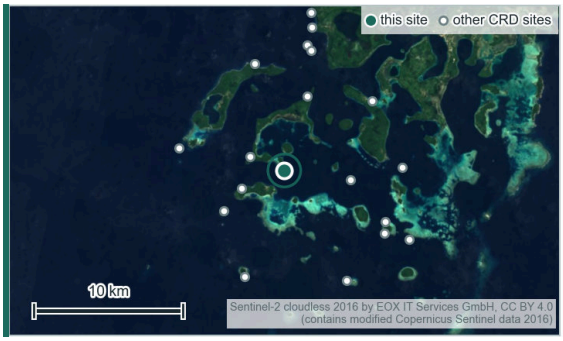
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.1°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
14.0 m
dive-log maximum

WATER TEMP. (SURVEY)
26.0°C
CTD-cast midpoint of 25.8–26.2°C
-1.2°C vs the 2013 mean sea temperature (27.2°C)

PHOTOGRAPHS
24 in the gallery · 24 on file

POSITION
-18.7328, -174.0845
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).

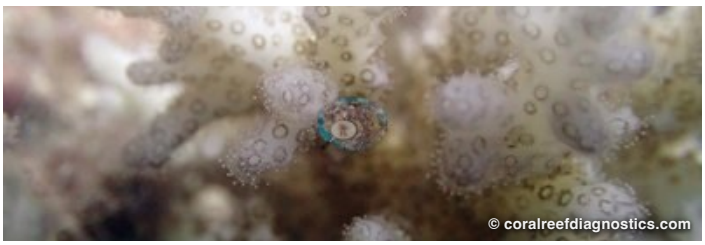




Known as the Aquarium, this Vava'u lagoon patch reef has an extensive stand of massive *Porites* colonies up to 5 m across and 3 m tall, ringed by large staghorn thickets. Despite 41% cover, its Coral Health Index of 1.50 out of 5 marks it as stressed, with large dead patches taken over by damselfish algal lawns. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Iea faka-Tonga. ‘Oku ‘iloa ko e Aquarium, ko e ki‘i hakau ‘i he namo (lagoon patch reef) ko ‘eni ‘i Vava‘u ‘oku ‘i ai ha vao fālahi ‘o e ngaahi kulupu *Porites* lalahi (massive) ‘oku a‘u ki he 5 m hono fālahi mo e 3 m hono mā‘olunga, ‘oku takatakai‘i ‘e he ngaahi vao staghorn lalahi. Neongo ‘a e ‘ufi‘ufi ‘o e 41%, ‘oku fakahā ‘e hono Coral Health Index ‘o e 1.50 mei he 5 ‘oku ‘i he faingata‘a (stressed), mo e ngaahi konga mate lalahi kuo pule‘i ‘e he ngaahi ngoue limu ‘a e damselfish. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 24 in the gallery · 24 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-tonga-vava-u-tova35.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.