Fiji - Tuvuca (FJTV43)

surveyed 2013-06-17

0 — 5

Coral Health Index: TBD

Outlier score: 5.00/5 (Tuvuca, n = 8 corals with an outlier score). The share of those corals whose molecular stress profile was an outlier, rescaled to 0-5 (5 = no outliers); an island-level measure (Mayfield et al. 2017), not a Coral Health Index.

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.

HARD CORAL COVER

41%

Benthic transects+photo-quadrats

MOST RECENT HEAT LOAD RECORD

25.8°C **0.0°C-weeks**

26 Oct 2026 · -1.9°C vs the past-365-day mean (27.7°C) · NOAA No heat stress

HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)

8.9°C-weeks

NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH (TEAM DIVE LOG)

12.8 m

expedition team log maximum (not Anderson's own dive)

WATER TEMP. (SURVEY)

26.8°C

CTD-cast midpoint; the cast read 26.8°C throughout

-0.9°C vs the 2013 mean sea temperature (27.7°C)

PHOTOGRAPHS

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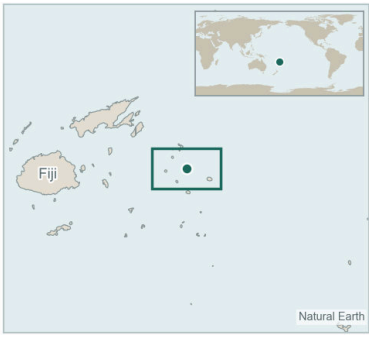
none on file

POSITION

-17.6935, -178.8325

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





A station off Tuvuca, a raised limestone island in northern Lau, where the survey team dived to 12.8 m and coral (41%) outweighs algae (34%). The survey team noted more dead tabular acroporids here than at neighboring Tuvuca sites, with older dead skeleton on smaller colonies now covered in algae. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vanua ni vakadidike mai Tuvuca, e dua na yanuyanu ni vatu ni lase e cecere ena yasana i vualiku i Lau, a nunu kina na ilawalawa ni vakadidike ki na 12.8 m ka levu cake na lase (41%) mai na lumi (34%). E vola na ilawalawa ni vakadidike ni levu cake na acroporid vakatepeli mate eke mai na veivanua ni vakadidike e veiyakavi kei Tuvuca, kei na sui ni lase mate makawa ena lase lalai sa ubia oqo na lumi. *AI translation of this summary; the English is authoritative. (low confidence)*

Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-tuvuca-fjtv43.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 (Fiji) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.