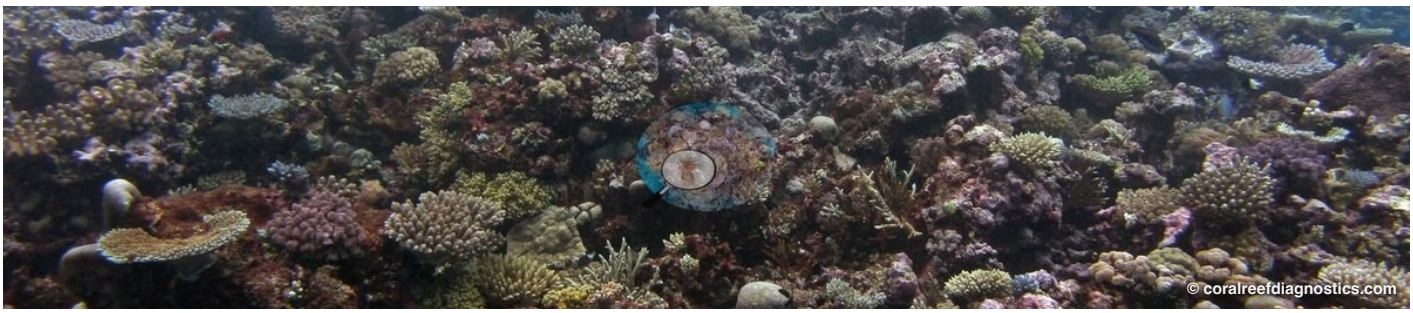
Fiji - Matuku (FJMT13)

surveyed 2013-06-07



0 — 5

Coral Health Index: TBD

Outlier score: 4.44/5 (Matuku, n = 9 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 4 transects — a diver measurement, not an estimate read off photographs. The written account of the site is a review of its photographs and of the author's dive notes, not a second survey.

HARD CORAL COVER
26%
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
15.8 m
dive-log maximum

WATER TEMP. (SURVEY)
26.8°C
CTD-cast midpoint of 26.8–26.9°C
-0.4°C vs the 2013 mean sea temperature (27.2°C)

PHOTOGRAPHS
6 in the gallery · 13 on file

POSITION
-19.1172, 179.7783
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A broad, coral-crowded ridge on Matuku's fore reef, dived to 15.8 m, where the framework looks dense but the living coral is patchy (26% cover), with pink coralline algae sheeting old rubble between small table *Acropora* and *Pocillopora*. The slope drops away as a near-vertical wall; none of the six photographs shows disease or crown-of-thorns, but two of the six colonies Anderson sampled were partly bleached, one about 80%. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na dela raraba e vonu ena lase ena yasana i tuba ni cakau (fore reef) i Matuku, a nunu kina ki na 15.8 m, ka rairai vonu na ivakatudei (framework) ia na lase bula e veitawasei tu (26% na ubi ni lase), ka ubia na lumi vakalase (coralline algae) e roka (pink) na tikitiki ni lase mate (rubble) makawa ena maliwa ni *Acropora* vakatepeli lalai kei na *Pocillopora*. Na baba e lutu sobu me vaka e dua na bati e voleka ni tu dodonu; e sega ni laurai e dua na mate se bula (crown-of-thorns) ena ono na itaba (six photographs), ia e rua vei ira na ono na lase a taura kina na ivakaraitaki ko Anderson e vulavula vakalailai (partly bleached), e dua e rauta ni 80%. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 6 in the gallery · 13 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-matuku-fjmt13.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.