Fiji - Matuku (FJMT12)

surveyed 2013-06-06

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 drawn from the Global Reef Expedition's survey records and field reports.

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 (TEAM DIVE LOG)

18.3 m

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

WATER TEMP. (SURVEY)

26.9°C

CTD-cast midpoint of 26.9–27.0°C

-0.3°C vs the 2013 mean sea temperature (27.2°C)

PHOTOGRAPHS

—

none on file

POSITION

-19.1534, 179.7401

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





A murky channel reef off Matuku's west side, near a barren lagoon floor, where large single-species stands of *Pavona clavus* and *Porites rus* cover nearly 20 m of bottom alongside several kinds of leather coral. Coral cover was 26%. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na cakau ena dua na sala ni wai (channel) e veidrukai ena yasana i ra i Matuku, voleka ina dua na botoni ni loma ni cakau (lagoon) e lala, e tu kina na isoqosoqo levu ni mataqali lase duadua ga, na *Pavona clavus* kei na *Porites rus*, e ubia e voleka ni 20 m ni botoni, vata kei na vica na mataqali lase malumu vakakuli (leather coral). Na ubi ni lase (coral cover) e 26%. *AI translation of this summary; the English is authoritative. (low confidence)*

Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-matuku-fjmt12.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.