Fiji - Moala (FJML21)

surveyed 2013-06-10



0 — 5

Coral Health Index: TBD

Outlier score: 4.50/5 (Moala, n = 10 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 a review of its photographs (38 of the 43 frames on file), 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
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

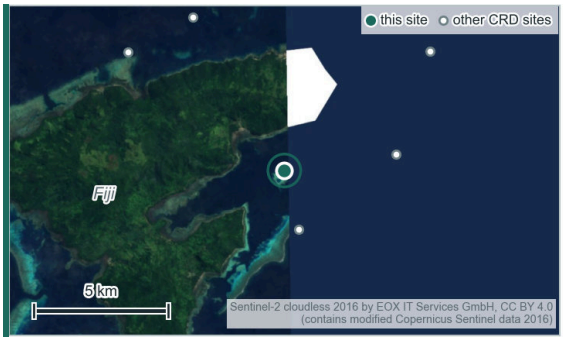
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

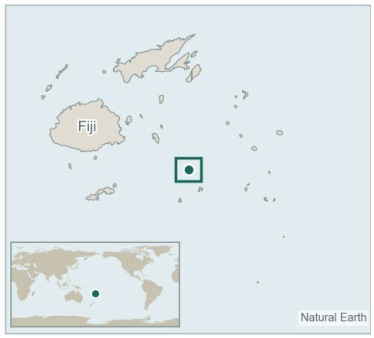
MAX. DEPTH
17.4 m
dive-log maximum

WATER TEMP. (SURVEY)
26.9°C
CTD-cast midpoint of 26.9–27.0°C
-0.5°C vs the 2013 mean sea temperature (27.4°C)

PHOTOGRAPHS
31 in the gallery · 43 on file

POSITION
-18.5972, 179.9337
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A Moala lagoon pinnacle crowned by large *Acropora* tables and big massive coral heads, with shoals of electric-blue chromis sheltering in the branching corals. Encrusting sponges compete for space with the corals, and one *Pocillopora damicornis* Anderson recorded as bleaching stood stark white beside a pale massive colony. Cover is 22%. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vatu ni lase e tubu cake (pinnacle) ena loma ni cakau (lagoon) i Moala, e dakuna na lase tepeli levu ni *Acropora* kei na ulu levu ni lase (massive coral), kei na ilawalawa ni ika lalai karakarawa (electric-blue chromis) era vakaruru tiko ena lase vakatabataba. Na sponge e kabita na vatu e veisaqasaqa kei na lase me baleta na vanua, ka dua na *Pocillopora damicornis* e vola ko Anderson ni vulavula tiko (bleaching) e tu vulavula vakadua ena yasana ni dua na lase levu (massive) e vulavula vakalailai (pale). Na ubi ni lase (coral cover) e 22%. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 31 in the gallery · 43 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-moala-fjml21.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.