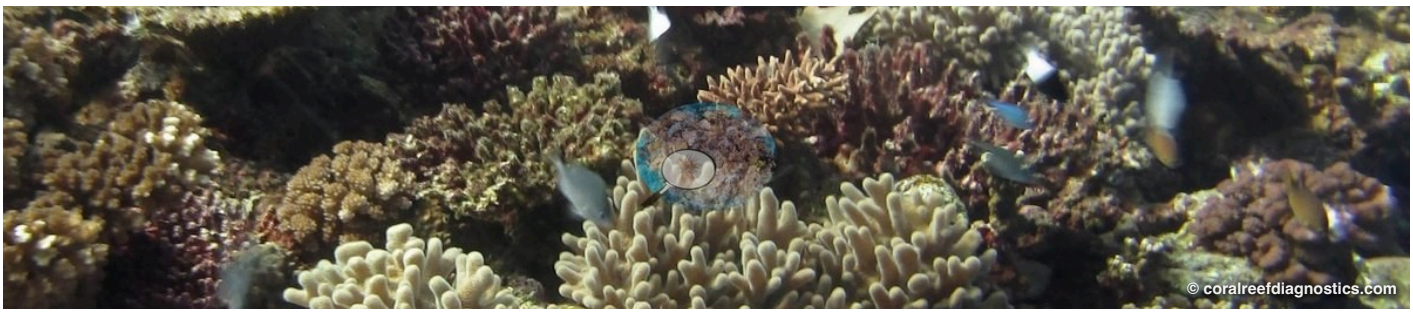
Fiji - Moala (FJML18)

surveyed 2013-06-09



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, the author's sampling sheet, and the expedition's survey records, not a second survey.

HARD CORAL COVER
40%
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
15.5 m
dive-log maximum

WATER TEMP. (SURVEY)
27.1°C
CTD-cast midpoint of 27.1–27.2°C
-0.3°C vs the 2013 mean sea temperature (27.4°C)

PHOTOGRAPHS
20 in the gallery · 29 on file

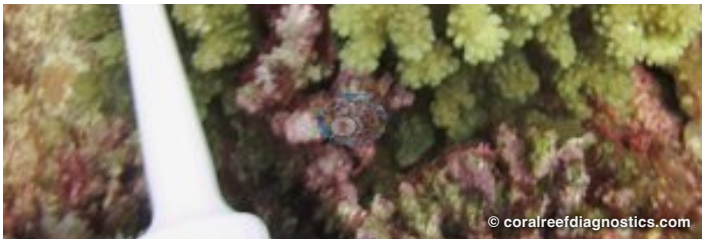
POSITION
-18.5461, 179.9013
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).

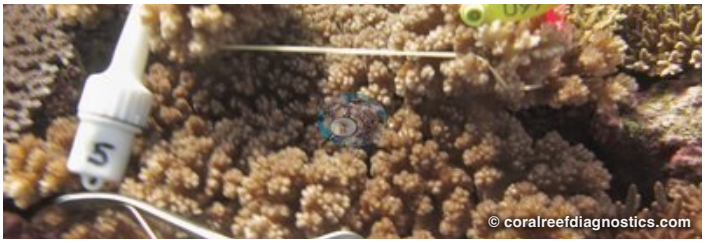




A Moala fore-reef station whose narrow crevices and coral-covered ridges on the island's northwest side are carpeted with acroporids, foliose plates, and coralline crusts, at 40% cover. Of the four coral colonies here with an outlier score, one was flagged as a physiological outlier. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vanua ni vakadidike ena yasana i tuba ni cakau (fore reef) e Moala, ka na kena qara lalai kei na dela e ubi ena lase ena yasana i vualiku-i-ra ni yanuyanu e vonu ena acroporid, na lase vakaiteba vakadrau ni kau (foliose plates), kei na lumi vakalase (coralline crusts), ka 40% na ubi ni lase (coral cover). Ena loma ni va na lase eke e tiko na nodra naba ni duidui (outlier score), e dua e vakaraitaki me duatani vakayago (physiological outlier). *AI translation of this summary; the English is authoritative. (low confidence)*





CV model comparison (hard coral cover, %): Transect mean (all transects) 40.4 · CoralSCOP edited 37.9* · Claude (edited photos) 23.7* The two computer-vision methods disagree by 14.2 pp (23.7–37.9%) and read 2.5–16.7 pp below the in-water transect (40.4%); the headline is the in-water transect because a diver transect is independent of the photographs. *Based on only 10 reef-habitat photos; this estimate is less certain.

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 20 in the gallery · 29 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-moala-fjml18.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.