Fiji - Moala (FJML20)

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
37%
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
13.1 m
dive-log maximum

WATER TEMP. (SURVEY)
27.2°C
CTD-cast midpoint of 27.1–27.2°C
-0.2°C vs the 2013 mean sea temperature (27.4°C)

PHOTOGRAPHS
18 in the gallery · 37 on file

POSITION
-18.5577, 179.8785
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A fore-reef slope on Moala's west side, dived the same day as FJML19, at 37% cover. The survey team reported coral build-ups on the terrace carrying branching corals, *Porites rus* plates and staghorn down the slope, coral continuing past 40 m, and feeding scars on table and plate corals likely from *Culcita* cushion stars. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na baba ni yasana i tuba ni cakau (fore-reef slope) ena yasana i ra i Moala, a nunu kina ena siga vata kei na FJML19, ka 37% na ubi ni lase (coral cover). Na ilawalawa ni vakadidike e vola na lase e vakasoqoni (build-ups) ena vanua raraba (terrace) e tu kina na lase vakatabataba, na lase vakaiteba ni *Porites rus* kei na staghorn e sobu ki na baba, na lase e se tomana tiko ka sivia na 40 m, kei na mavoa ni kana ena lase tepeli kei na lase vakaiteba ka rairai vakavuna na basaga *Culcita* (cushion stars).
AI translation of this summary; the English is authoritative. (low confidence)





CV model comparison (hard coral cover, %): Transect mean (all transects) 36.8 · CoralSCOP edited 54.1* · Claude (edited photos) 50.7* The two computer-vision methods agree within 3.4 pp (50.7–54.1%) and read 13.9–17.3 pp above the in-water transect (36.8%); the headline is the in-water transect because a diver transect is independent of the photographs. *Based on only 13 reef-habitat photos; this estimate is less certain.

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 18 in the gallery · 37 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-moala-fjml20.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.