Fiji - Moala (FJML22)

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

HARD CORAL COVER
29%
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

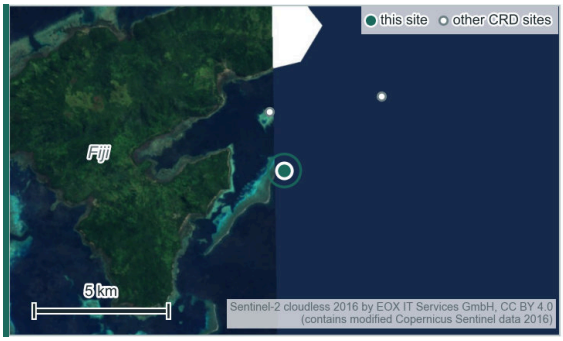
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
28.9 m
dive-log maximum

WATER TEMP. (SURVEY)
27.0°C
-0.4°C vs the 2013 mean sea temperature (27.4°C)

PHOTOGRAPHS
11 in the gallery · 19 on file

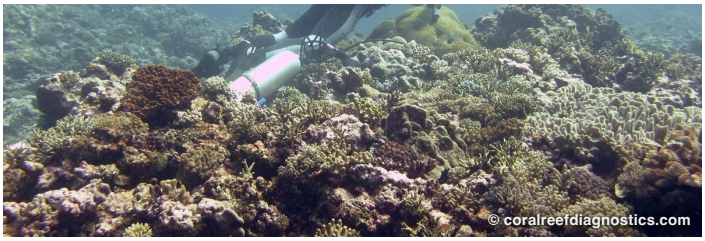
POSITION
-18.6168, 179.9389
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A fore-reef slope station on Moala's east side whose few wide frames show a coralline-crusted reef top carpeted with small branching, digitate, and encrusting colonies, at 29% cover. Nine of Anderson's 19 frames from the dive document the colonies Joao sampled. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vanua ni vakadidike ena baba ni yasana i tuba ni cakau (fore-reef slope) ena yasana i tokalau i Moala, ka na vica ga na itaba raraba e vakaraitaka e dua na dakuna ni cakau e ubi ena lumi vakalase (coralline) ka vonu ena lase lalai vakatabataba, vakaiqaqalo (digitate), kei na lase e kabita na vatu (encrusting), ka 29% na ubi ni lase (coral cover). E ciwa vei ira na 19 na itaba nei Anderson mai na nunu oqo e vakaraitaka na lase a taura kina na ivakaraitaki ko Joao. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 11 in the gallery · 19 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-moala-fjml22.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.