Fiji - Moala (FJML17)

surveyed 2013-06-08



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 4 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
33%
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

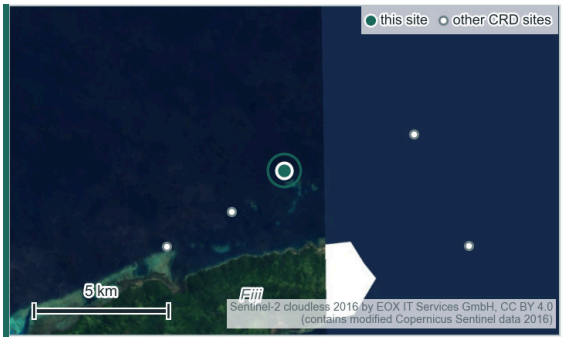
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

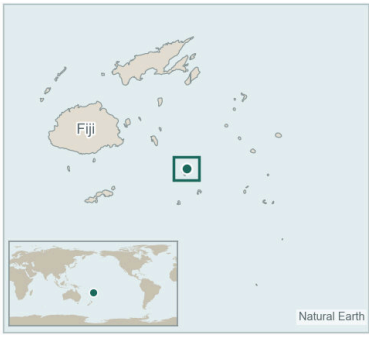
MAX. DEPTH
12.5 m
dive-log maximum

WATER TEMP. (SURVEY)
27.2°C
CTD-cast midpoint; the cast read 27.2°C throughout
-0.2°C vs the 2013 mean sea temperature (27.4°C)

PHOTOGRAPHS
9 in the gallery · 13 on file

POSITION
-18.5325, 179.9200
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A shallow fore-reef station on Moala's northwest side, where pale tables, plating acroporids, corymbose acroporids, and pocilloporid clusters stand over mauve-pink coralline pavement, at 33% cover. The 2017 molecular screen flagged neither of the two colonies here with an outlier score as physiologically atypical, though Anderson's sampling sheet records three of the five sampled as about 10% bleached. 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 sega ni titobu ena yasana i vualiku-i-ra i Moala, e tu kina na lase tepeli vulavula vakalailai, na acroporid vakaiteba (plating), na acroporid vakaveitabaki (corymbose), kei na isoqosoqo ni pocilloporid ena dela ni vatu raraba ni lumi vakalase (coralline pavement) e roka (mauve-pink), ka 33% na ubi ni lase (coral cover). Na vakadidike vakamolecular ni 2017 e sega ni vakaraitaka e dua vei rau na rua na lase eke e tiko na nodrau naba ni duidui (outlier score) me duatani vakayago (physiologically atypical), ia na ivola ni ivakaraitaki nei Anderson e vola ni tolu vei ira na lima a taura kina na ivakaraitaki e rauta ni 10% na kena vulavula (bleached). *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 9 in the gallery · 13 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-moala-fjml17.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.