Fiji - Moala (FJML15)

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 5 transects — a diver measurement, not an estimate read off photographs. The written account of the site is drawn from the Global Reef Expedition's survey records and field reports.

HARD CORAL COVER

23%

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

29.0 m

dive-log maximum

WATER TEMP. (SURVEY)

27.2°C

CTD-cast midpoint of 27.2–27.3°C

-0.2°C vs the 2013 mean sea temperature (27.4°C)

PHOTOGRAPHS

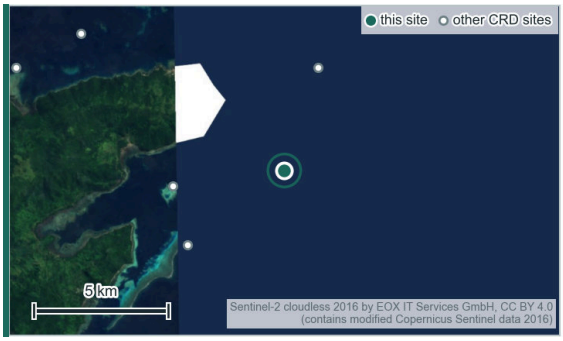
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none on file

POSITION

-18.5919, 179.9731

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





An exposed fore-reef slope on Moala's east side, where large *Porites* and *Diploastrea* colonies line the slope and small *Platygyra*, *Lobophyllia*, and *Echinopora* colonies are common, at 23% coral cover. Coralline algae is abundant, and cyanobacteria covered a notable 13% of the transects. 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) e laurai vakalevu ena yasana i tokalau i Moala, e tu kina na *Porites* kei na *Diploastrea* levu ena baba, ka levu na *Platygyra*, *Lobophyllia*, kei na *Echinopora* lalai, ka 23% na ubi ni lase (coral cover). E levu na lumi vakalase (coralline algae), ka ubia na cyanobacteria e 13% ni transect, e dua na iwiliwili e bibi. *AI translation of this summary; the English is authoritative. (low confidence)*

Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-moala-fjml15.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.