Fiji - Mago (FJMG50)

surveyed 2013-06-20



0 — 5

Coral Health Index: TBD

Outlier score: 4.29/5 (Mago, n = 7 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 7 transects — a diver measurement, not an estimate read off photographs. The written account of the site is a review of its photographs (12 of the 22 frames on file) and of the author's dive notes, not a second survey.

HARD CORAL COVER

42%

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

30.5 m

dive-log maximum

WATER TEMP. (SURVEY)

27.1°C

CTD-cast midpoint; the cast read 27.1°C throughout

-0.7°C vs the 2013 mean sea temperature (27.8°C)

PHOTOGRAPHS

21 in the gallery · 22 on file

POSITION

-17.4639, -179.1877

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





A Mago spur-and-groove reef where a coral-dense upper terrace of table and branching *Acropora* gives way to a steep, hazier deep face with black coral. Two big table corals look pale under a blue cast, and the survey notes record crown-of-thorns predation with large areas of white coral, plus several tables flipped over, possibly by storms. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na cakau vakaivakarau ni spur-and-groove e Mago, ka na vanua raraba i cake e vonu ena lase, na *Acropora* vakatepeli kei na vakatabataba, e veisau ki na bati e titobu ka tu dodonu, e kabukabu cake kina na wai, kei na lase loaloa (black coral). E rua na lase tepeli levu e rairai vulavula vakalailai (pale) ena rarama karakarawa ni wai, ka na ivola ni vakadidike e vola na kana ni bula (crown-of-thorns) kei na vanua levu ni lase vulavula, kei na vica na lase tepeli e vuki tu, ka rairai vakavuna na draki ca (storms). *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 21 in the gallery · 22 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-mago-fjmg50.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.