Fiji - Cicia (FJCC45)

surveyed 2013-06-18



0 — 5

Coral Health Index: TBD

Outlier score: 5.00/5 (Cicia, n = 8 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 (28 of the 29 frames on file) and of the author's dive notes, not a second survey.

HARD CORAL COVER
50%
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
14.0 m
dive-log maximum

WATER TEMP. (SURVEY)
27.2°C
CTD-cast midpoint; the cast read 27.2°C throughout
-0.5°C vs the 2013 mean sea temperature (27.7°C)

PHOTOGRAPHS
29 in the gallery · 29 on file

POSITION
-17.7238, -179.3386
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A flat-topped coral mound off Cicia whose entire upper surface is paved with table *Acropora* stacked like shingles, in cream, sea-green, olive, mauve, and salmon, under clouds of anthias and fusiliers. Coral cover is about 50%, with no bleaching, disease, or crown-of-thorns seen. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na ulu ni lase (coral mound) e savasava na dakuna mai Cicia, ka na kena yasana i cake taucoko e vakaubitaki ena *Acropora* vakatepeli e veitabaki vaka na kau ni vale, e roka (cream, sea-green, olive, mauve, kei na salmon), e ra ni ilawalawa levu ni ika anthias kei na fusilier. Na ubi ni lase (coral cover) e rauta ni 50%, ka sega ni raici e dua na vulavula, mate, se bula (crown-of-thorns). *AI translation of this summary; the English is authoritative. (low confidence)*





CV model comparison (hard coral cover, %): Transect mean (all transects) 49.8 · CoralSCOP edited 41.4* · Claude (edited photos) 41.0* The two computer-vision methods agree within 0.4 pp (41.0–41.4%) and read 8.4–8.8 pp below the in-water transect (49.8%); the headline is the in-water transect because a diver transect is independent of the photographs. *Based on only 18 reef-habitat photos; this estimate is less certain.

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 29 in the gallery · 29 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-cicia-fjcc45.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.