Fiji - Cicia (FJCC48)

surveyed 2013-06-19



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 (15 of the 20 frames on file), the author's sampling sheet, and the expedition's survey records, not a second survey.

HARD CORAL COVER
47%
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
31.1 m

WATER TEMP. (SURVEY)
26.2°C
-1.5°C vs the 2013 mean sea temperature (27.7°C)

PHOTOGRAPHS
17 in the gallery · 20 on file

POSITION
-17.7498, -179.3841
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A mixed coral community: a terrace crowded with colorful branching and table *Acropora*, massive mounds, and brain corals. Its standout feature is an overhanging buttress built almost entirely of pale-green plating corals, and cover is 47%. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na isoqosoqo ni lase vakawaki: e dua na vanua raraba (terrace) e vonu kina na *Acropora* vakatabataba kei na vakatepeli e roka vakaidina, na lase levu vakavatu (massive), kei na lase vakamona (brain corals). Na ka e duatani duadua kina e dua na ivakatudei e dremo tu, e buli vakalevu ga mai na lase vakaiteba (plating) e drokadroka vulavula, ka 47% na ubi ni lase (coral cover). *AI translation of this summary; the English is authoritative. (low confidence)*





CV model comparison (hard coral cover, %): Transect mean (all transects) 46.5 · CoralSCOP edited 38.1* · Claude (edited photos) 38.9* The two computer-vision methods agree within 0.8 pp (38.1–38.9%) and read 7.6–8.4 pp below the in-water transect (46.5%); the headline is the in-water transect because a diver transect is independent of the photographs. *Based on only 14 reef-habitat photos; this estimate is less certain.

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 17 in the gallery · 20 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-cicia-fjcc48.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.