Fiji - Vanua Balavu (FJVB60)

surveyed 2013-06-23



0 — 5

Coral Health Index: TBD

Outlier score: 3.89/5 (Vanua Balavu, n = 18 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
15%
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

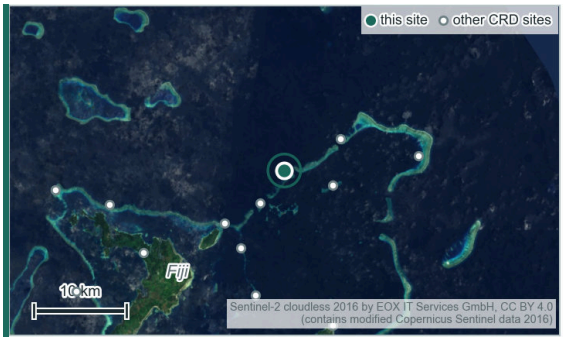
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
30.5 m
dive-log maximum

WATER TEMP. (SURVEY)
27.0°C
CTD-cast midpoint; the cast read 27.0°C throughout
-0.9°C vs the 2013 mean sea temperature (27.9°C)

PHOTOGRAPHS
4 in the gallery · 4 on file

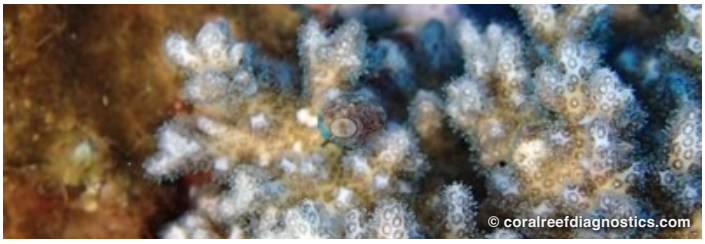
POSITION
-17.1206, -178.8265
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A Vanua Balavu fore reef (dived to 30.5 m) where algae covered about three and a half times as much ground as coral (15%), and the transects also logged 13% dead coral. Neither colony with an outlier score was a physiological outlier, though Anderson's sample sheet records one sampled colony as 90% bleached on its exterior. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na yasana i tuba ni cakau (fore reef) e Vanua Balavu (a nunu kina ki na 30.5 m) ka ubia na lumi e rauta ni vakatolu ka veimama na levu ni vanua ni vakatauvatani kei na lase (15%), ka vola tale ga na transect e 13% na lase mate. E sega ni duatani vakayago (physiological outlier) e dua vei rau na rua na lase e tiko na nodrau naba ni duidui (outlier score), ia na ivola ni ivakaraitaki nei Anderson e vola ni dua na lase a taura kina na ivakaraitaki e 90% na kena vulavula (bleached) ena kena yasana i tuba (exterior). *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 4 in the gallery · 4 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-vanua-balavu-fjvb60.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.