Fiji - Vanua Balavu (FJVB57)

surveyed 2013-06-22

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 drawn from the Global Reef Expedition's survey records and field reports.

HARD CORAL COVER

13%

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 (TEAM DIVE LOG)

12.5 m

expedition team log maximum (not Anderson's own dive)

WATER TEMP. (SURVEY)

27.2°C

CTD-cast midpoint; the cast read 27.2°C throughout

-0.7°C vs the 2013 mean sea temperature (27.9°C)

PHOTOGRAPHS

—

none on file

POSITION

-17.1715, -178.8871

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





A Vanua Balavu station where algae covered nearly six times as much of the benthos as live coral (13%); the survey team dived it to 12.5 m. These 2013 figures are a baseline from before Cyclone Winston passed over Vanua Balavu in 2016. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vanua ni vakadidike e Vanua Balavu ka ubia na lumi e voleka ni vakaono na levu ni botoni ni waitui (benthos) ni vakatauvatani kei na lase bula (13%); a nunu kina na ilawalawa ni vakadidike ki na 12.5 m. Na iwiliwili oqo ni 2013 e dua na ivakatagedegede taumada (baseline) mai na gauna ni bera ni sivita o Vanua Balavu na Cagilaba o Winston ena 2016. *AI translation of this summary; the English is authoritative. (low confidence)*

Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-vanua-balavu-fjvb57.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.