Fiji - Vanua Balavu (FJVB70)

surveyed 2013-06-26

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

17%

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)

15.8 m

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

WATER TEMP. (SURVEY)

26.8°C

CTD-cast midpoint; the cast read 26.8°C throughout

-1.1°C vs the 2013 mean sea temperature (27.9°C)

PHOTOGRAPHS

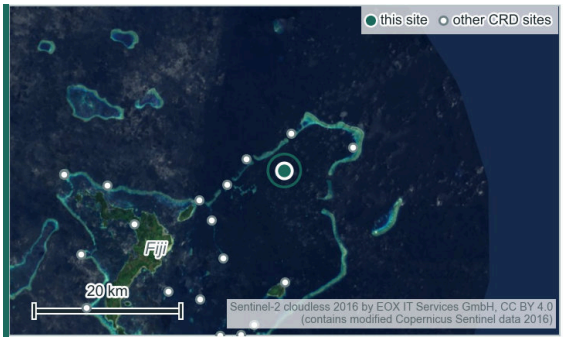
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none on file

POSITION

-17.1352, -178.7775

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





The last Vanua Balavu station of the Fiji trip, where the survey team dived to 15.8 m and algae covered nearly five times as much ground as live coral (17%). The expedition's notes place it on a lagoonal pinnacle and record extensive mortality on several large *Porites lobata* and *Diploastrea* colonies. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. Na vanua ni vakadidike i muri duadua e Vanua Balavu ena ilakolako i Viti, a nunu kina na ilawalawa ni vakadidike ki na 15.8 m ka ubia na lumi e voleka ni vakalima na levu ni vanua ni vakatauvatani kei na lase bula (17%). Na ivola ni ilakolako e kaya ni tiko ena dua na vatu ni lase e tubu cake (pinnacle) ena loma ni cakau (lagoon) ka vola na mate levu ena vica na lase levu ni *Porites lobata* kei na *Diploastrea*. *AI translation of this summary; the English is authoritative. (low confidence)*

Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-vanua-balavu-fjvb70.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.