Fiji - Vanua Balavu (FJVB59)

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 — 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

10%

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

CTD STATION DEPTH

4.0 m

no logged dive; no surveys were done beyond 35 m

WATER TEMP. (SURVEY)

27.2°C

-0.6°C vs the 2013 mean sea temperature (27.8°C)

PHOTOGRAPHS

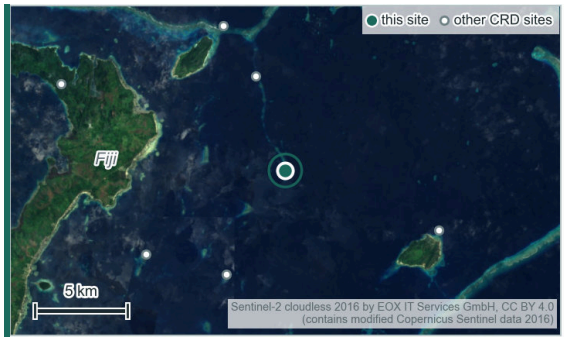
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none on file

POSITION

-17.2419, -178.8556

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





A lagoonal pinnacle station at Vanua Balavu (station CTD cast to 4 m) where the transect recorded 10% live coral; no algae figure was logged. The expedition's notes describe these pinnacles as massive framework build-ups with branching and tabular corals on their tops and sides, and Cyclone Winston passed over Vanua Balavu in 2016, after this survey. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vanua ni vakadidike ena vatu ni lase e tubu cake (pinnacle) ena loma ni cakau (lagoon) e Vanua Balavu (CTD cast ni vanua ni vakadidike ki na 4 m) ka vola kina na transect e 10% na lase bula; e sega ni volai e dua na iwiliwili ni lumi. Na ivola ni ilakolako e vakamacalataka na vatu oqo me ivakatudei levu e vakasoqoni (build-ups) e tu kina na lase vakatabataba kei na vakatepeli ena kedra dakuna kei na yasana, ka sivita o Vanua Balavu na Cagilaba o Winston ena 2016, ni oti na vakadidike oqo. *AI translation of this summary; the English is authoritative. (low confidence)*

Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-vanua-balavu-fjvb59.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.