Fiji - Totoya (FJTO08)

surveyed 2013-06-05



0 — 5

Coral Health Index: TBD

Outlier score: 3.89/5 (Totoya, n = 9 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 6 transects — a diver measurement, not an estimate read off photographs. The written account of the site is a review of its photographs (11 frames), the author's sampling sheet, and the expedition's survey records, not a second survey.

HARD CORAL COVER
36%
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

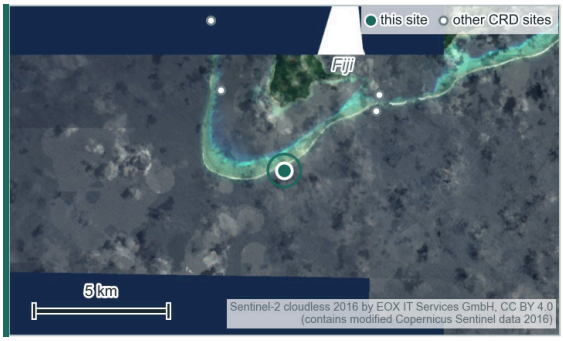
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
16.8 m
dive-log maximum

WATER TEMP. (SURVEY)
27.4°C
CTD-cast midpoint of 27.3–27.5°C
+0.2°C vs the 2013 mean sea temperature (27.2°C)

PHOTOGRAPHS
11 in the gallery · 11 on file

POSITION
-19.0230, -179.8808
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).

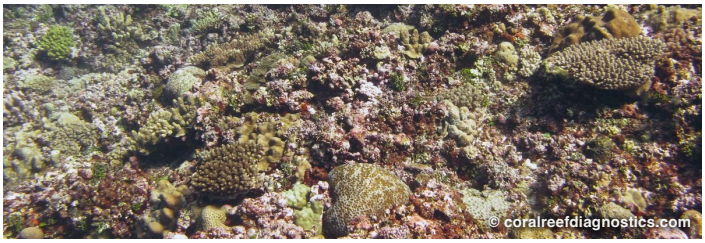




A broad, flat, low-relief terrace off Totoya with no spurs or build-ups, just low plating, encrusting, and brain corals set into pink coralline pavement, with life everywhere, as Anderson noted. The standout is a large golden-tan brain coral, and cover is 36%. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vanua raraba (terrace) e savasava ka sega ni cecere mai Totoya, e sega ni dua na spur se build-up, e tu ga kina na lase vakaiteba (plating) e sega ni cecere, na lase e kabita na vatu (encrusting), kei na lase vakamona (brain corals) e vakatikori ena vatu raraba ni lumi vakalase (coralline pavement) e roka (pink), ka vola ko Anderson ni levu na bula ena veivanua kece. Na ka e duatani duadua e dua na lase vakamona (brain coral) levu e roka (golden-tan), ka 36% na ubi ni lase (coral cover). *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 11 in the gallery · 11 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-totoya-fjto08.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.