Fiji - Totoya (FJTO06)

surveyed 2013-06-04



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 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
12%
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

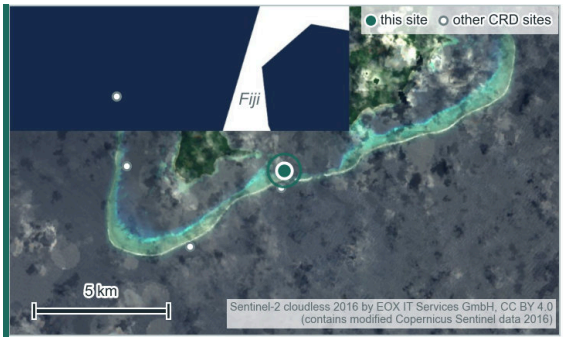
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
14.6 m
dive-log maximum

WATER TEMP. (SURVEY)
27.3°C
CTD-cast midpoint of 27.1–27.5°C
+0.0°C vs the 2013 mean sea temperature (27.3°C)

PHOTOGRAPHS
2 in the gallery · 9 on file

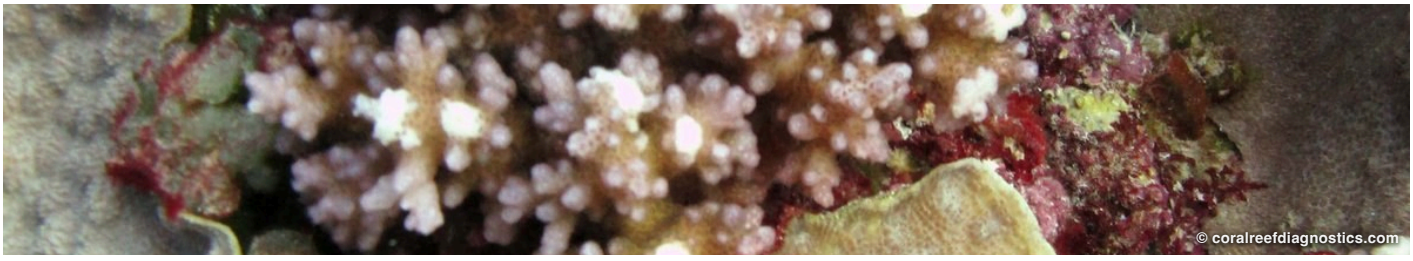
POSITION
-18.9976, -179.8473
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A lagoon channel and patch-reef station on Totoya (Anderson's sample sheet), photographed down a steep face and dived to 14.6 m, where knobby old framework is sheeted in mauve and rust algae and live coral is reduced to small scattered pieces, at just 12% cover against roughly three-quarters algae. Anderson tissue-sampled five *Pocillopora* colonies here; the one with an outlier score was not a physiological outlier. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vanua ni vakadidike ena sala ni wai (channel) ni loma ni cakau (lagoon) kei na cakau lalai (patch reef) e Totoya (na ivola ni ivakaraitaki nei Anderson), a taba sobu ena dua na bati titobu ka nunu kina ki na 14.6 m, ka na ivakatudei makawa vakaibulubulu e ubi ena lumi e roka (mauve, rust) ka sa lailai ga na lase bula me tikitiki lalai e veitawasei, e 12% ga na ubi ni lase (coral cover) ni vakatauvatani kei na rauta ni tolu na kena ikava na lumi. A taura ko Anderson na ivakaraitaki ni yago ni lima na *Pocillopora* eke; na dua e tiko na nona naba ni duidui (outlier score) e sega ni duatani vakayago (physiological outlier). *AI translation of this summary; the English is authoritative. (low confidence)*



Photographs: Anderson Mayfield/Coral Reef Diagnostics — 2 on this card; 2 in the gallery · 9 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-totoya-fjto06.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.