Fiji - Totoya (FJTO07)

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 5 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
42%
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

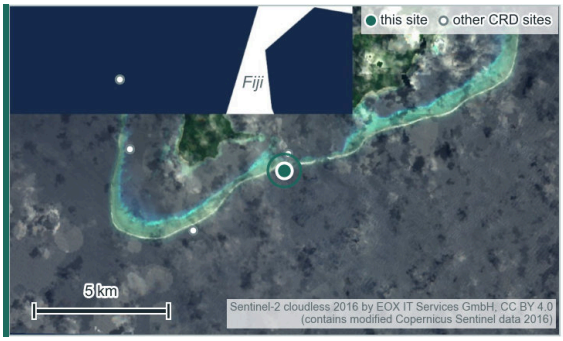
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
25.3 m
dive-log maximum

WATER TEMP. (SURVEY)
27.2°C
CTD-cast midpoint of 27.2–27.3°C
+0.0°C vs the 2013 mean sea temperature (27.2°C)

PHOTOGRAPHS
1 in the gallery · 5 on file

POSITION
-19.0032, -179.8485
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A Totoya slope (dived to 25.3 m), known from a single photo, that is continuously covered with table, branching, foliose, and massive corals over pink coralline framework, with no sand or bare rock in view. The survey measured 42% coral cover. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na baba e Totoya (a nunu kina ki na 25.3 m), e kilai ga mai na dua na itaba, e ubi vakadua ena lase vakatepeli, vakatabataba, vakadrau ni kau (foliose), kei na lase levu vakavatu (massive) ena dela ni ivakatudei ni lumi vakalase (coralline) e roka (pink), ka sega ni laurai e dua na nuku se vatu lala. Na vakadidike e vakatagedegedetaka na ubi ni lase (coral cover) me 42%. *AI translation of this summary; the English is authoritative. (low confidence)*

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 1 on this card; 1 in the gallery · 5 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-totoya-fjto07.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.