Fiji - Totoya (FJTO03)

surveyed 2013-06-03



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, the author's sampling sheet, and the expedition's survey records, not a second survey.

HARD CORAL COVER
33%
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
21.6 m
dive-log maximum

WATER TEMP. (SURVEY)
27.2°C
CTD-cast midpoint; the cast read 27.2°C throughout
-0.1°C vs the 2013 mean sea temperature (27.3°C)

PHOTOGRAPHS
1 in the gallery · 2 on file

POSITION
-18.9273, -179.8907
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A Totoya fore reef where the survey team reported large spur-and-groove ridges with sediment-filled grooves, big *Acropora* tables around 20-22 m, and large *Diploastrea* at 30 m, at 33% cover. The one colony Anderson sampled here was recorded as pale and small, not bleached. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na yasana i tuba ni cakau (fore reef) e Totoya ka vola kina na ilawalawa ni vakadidike na spur-and-groove levu kei na groove e vonu ena soso (sediment), na lase tepeli levu ni *Acropora* ena rauta ni 20-22 m, kei na *Diploastrea* levu ena 30 m, ka 33% na ubi ni lase (coral cover). Na dua ga na lase a taura kina na ivakaraitaki ko Anderson eke a volai ni vulavula vakalailai (pale) ka lailai, ia e sega ni vulavula (bleached). *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 · 2 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-totoya-fjto03.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.