Fiji - Totoya (FJTO05)

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 5 transects — a diver measurement, not an estimate read off photographs. The written account of the site is a review of its photographs (20 of the 29 frames on file) and of the author's dive notes, not a second survey.

HARD CORAL COVER
46%
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

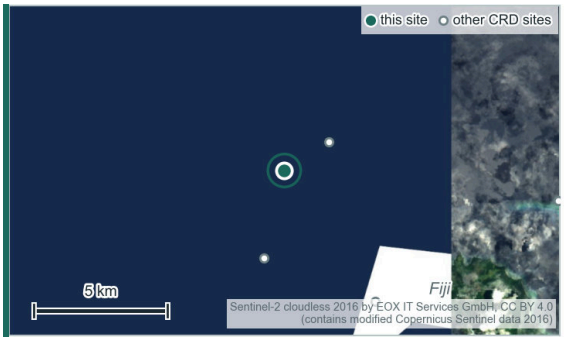
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
21.3 m
dive-log maximum

WATER TEMP. (SURVEY)
27.1°C
CTD-cast midpoint; the cast read 27.1°C throughout
-0.2°C vs the 2013 mean sea temperature (27.3°C)

PHOTOGRAPHS
20 in the gallery · 29 on file

POSITION
-18.8981, -179.8836
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A well-built fore-reef crest off Totoya with big table *Acropora* over a meter across and continuous staghorn thickets full of small planktivores, crossed by a school of yellow-striped snapper. Chunky golden *Pocillopora eydouxi* and a purple pocilloporid are among the colonies Anderson photographed and labeled, at 46% cover. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na dakuna ni yasana i tuba ni cakau (fore-reef crest) e buli vinaka mai Totoya, e tu kina na lase tepeli levu ni *Acropora* e sivia na dua na mita na kena raba kei na veikau ni staghorn e tomani tiko ka vonu ena ika lalai e kania na plankton (planktivores), ka qalo sivita e dua na ilawalawa ni ika (yellow-striped snapper). Na *Pocillopora eydouxi* levu ka roka koula kei na dua na pocilloporid e roka (purple) e okati ena lase a taba ka vakaiyacataka ko Anderson, ka 46% 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; 20 in the gallery · 29 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-totoya-fjto05.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.