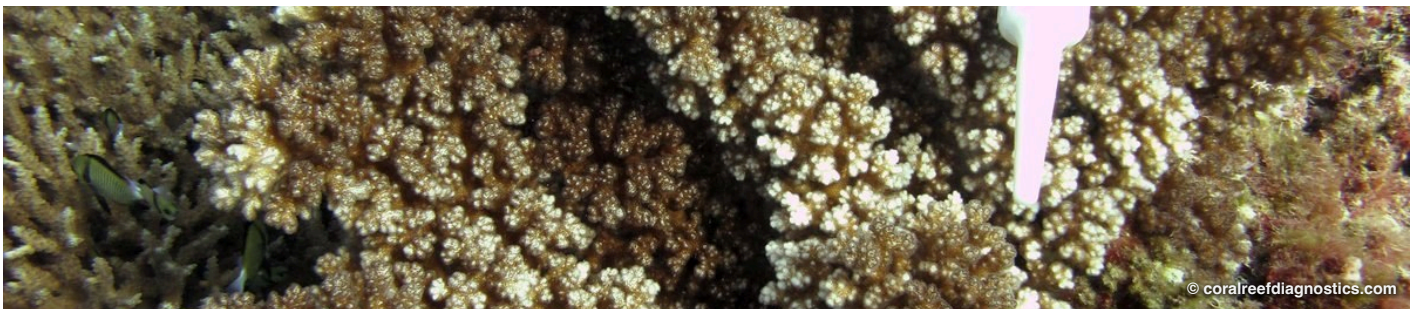
Fiji - Totoya (FJTO01)

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 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
28%
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

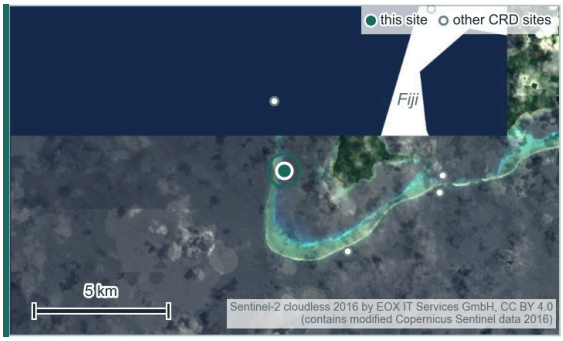
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
19.5 m
dive-log maximum

WATER TEMP. (SURVEY)
27.1°C
CTD-cast midpoint of 26.9–27.2°C
-0.2°C vs the 2013 mean sea temperature (27.3°C)

PHOTOGRAPHS
6 in the gallery · 6 on file

POSITION
-18.9960, -179.9032
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A Totoya physiology sampling station photographed mid-dive: tagged colonies, sample vials, and an instrument plate of temperature and light loggers cable-tied to the reef. The surrounding bottom is heavily turfed old framework with small corals (28% cover), and the sampled colonies looked intact. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vanua ni taura ivakaraitaki vakayago (physiology sampling station) e Totoya a taba ena loma ni nunu: na lase e vakatakilakilataki (tagged), na tavaya ni ivakaraitaki, kei na dua na veleti ni iyaya ni volai ni katakata kei na rarama (temperature and light loggers) e vauci ena cable-tie ki na cakau. Na botoni e wavokita e ivakatudei makawa e ubi vakalevu ena lumi lekaleka (turf) kei na lase lalai (28% na ubi ni lase), ka rairai bula vinaka na lase a taura kina na ivakaraitaki. *AI translation of this summary; the English is authoritative. (low confidence)*





Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 6 in the gallery · 6 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-totoya-fjto01.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.