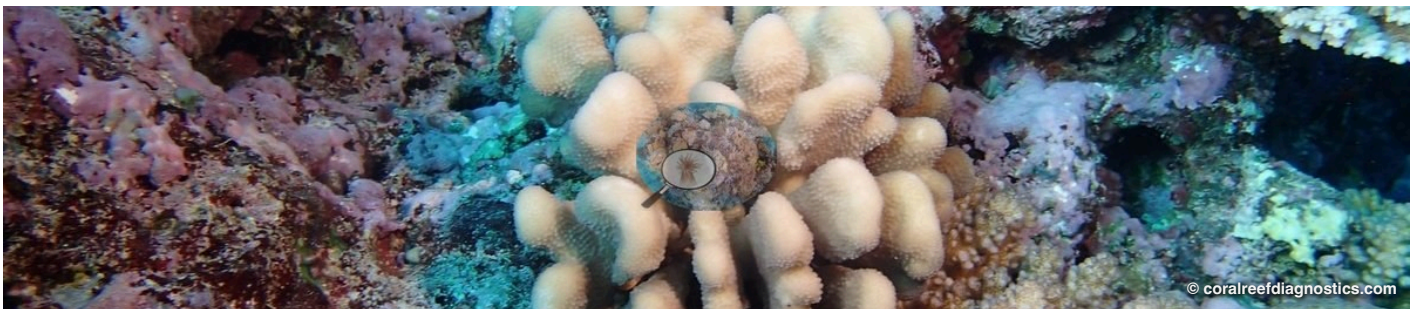
Fiji - Totoya (FJTO04)

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 (26 frames), the author's sampling sheet, and the expedition's survey records, not a second survey.

HARD CORAL COVER

25%

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

23.8 m

dive-log maximum

WATER TEMP. (SURVEY)

27.0°C

-0.3°C vs the 2013 mean sea temperature (27.3°C)

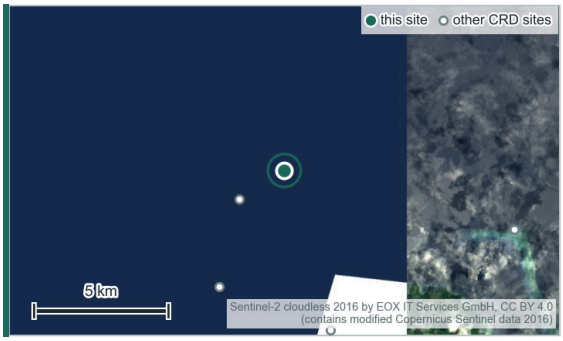
PHOTOGRAPHS

24 in the gallery · 26 on file

POSITION

-18.8886, -179.8677

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

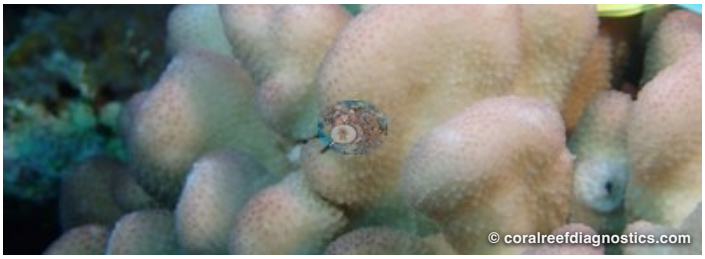




A Totoya station whose photos mostly document the physiology sampling work, with tagged colonies (Anderson's sampling sheet records one sampled colony here) and divers at work. The reef itself ranges from a densely occupied coral wall of small colonies over pink coralline framework to a flatter, rubbly reef top with scattered corals, at 25% cover. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na vanua ni vakadidike e Totoya ka levu na kena itaba e vakaraitaka na cakacaka ni taura ivakaraitaki vakayago (physiology sampling), kei na lase e vakatakilakilataki (tagged) (na ivola ni ivakaraitaki nei Anderson e vola e dua na lase a taura kina na ivakaraitaki eke) kei na dau nunu ena nodra cakacaka. Na cakau e veitalia mai na dua na bati ni lase (coral wall) e vonu ena lase lalai ena dela ni ivakatudei ni lumi vakalase (coralline) e roka (pink) ki na dakuna ni cakau e savasava cake ka levu na tikitiki ni lase mate (rubble) kei na vica na lase veitawasei, ka 25% 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; 24 in the gallery · 26 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-totoya-fjto04.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.