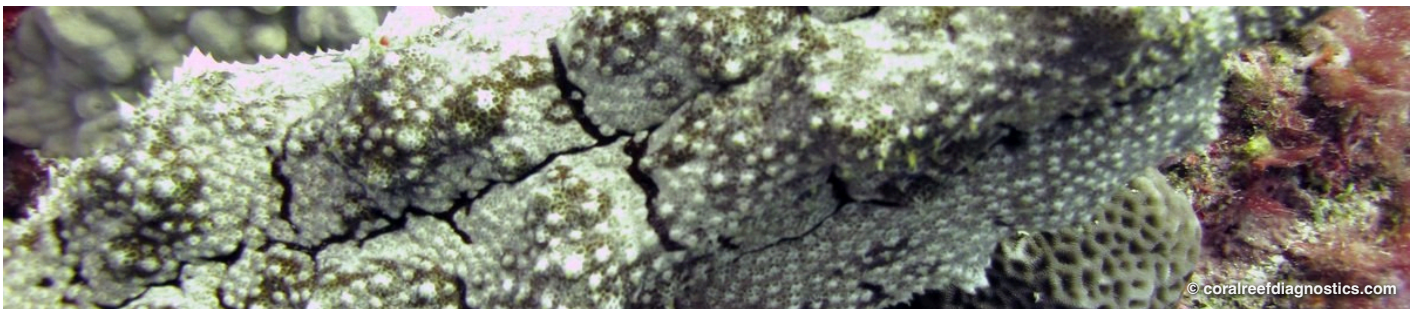
Fiji - Totoya (FJTO09)

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 4 transects — a diver measurement, not an estimate read off photographs. The written account of the site is a review of its photographs (21 of the 22 frames on file) and of the author's dive notes, not a second survey.

HARD CORAL COVER
29%
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

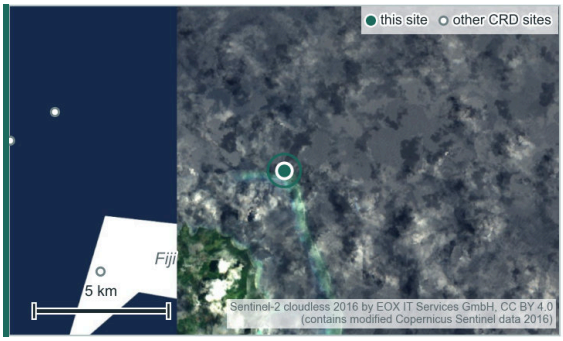
HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)
8.9°C-weeks
NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH
29.6 m
dive-log maximum

WATER TEMP. (SURVEY)
27.4°C
CTD-cast midpoint of 27.1–27.7°C
+0.1°C vs the 2013 mean sea temperature (27.3°C)

PHOTOGRAPHS
19 in the gallery · 22 on file

POSITION
-18.9082, -179.7864
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).

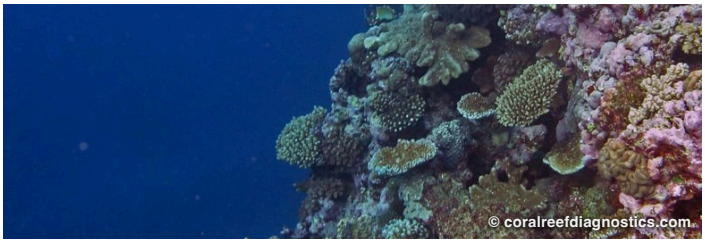




A Totoya reef of steep spurs, walls, and a large overhung cave passage, its faces covered in a close mosaic of many small branching, plating, and massive colonies over pink and lilac coralline crust. Several of the photographs record the survey team at work, including a diver framed in a coral archway. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na cakau e Totoya ni spur titobu, na bati, kei na dua na qara levu e dremo e rawa ni curu kina (cave passage), ka na kena bati e ubi ena dua na veiwaki voleka ni lase lalai vakatabataba, vakaiteba (plating), kei na lase levu (massive) e levu sara ena dela ni lumi vakalase (coralline crust) e roka (pink, lilac). E vica na itaba e vakaraitaka na ilawalawa ni vakadidike ena nodra cakacaka, okati kina e dua na dau nunu e tu ena loma ni dua na matamata ni lase (coral archway). *AI translation of this summary; the English is authoritative. (low confidence)*





CV model comparison (hard coral cover, %): Transect mean (all transects) 28.8 · CoralSCOP edited 24.7* · Claude (edited photos) 18.4* The two computer-vision methods agree within 6.3 pp (18.4–24.7%) and read 4.1–10.4 pp below the in-water transect (28.8%); the headline is the in-water transect because a diver transect is independent of the photographs. *Based on only 13 reef-habitat photos; this estimate is less certain.

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 19 in the gallery · 22 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-totoya-fjto09.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.