Fiji - Nayau (FJNA40)

surveyed 2013-06-16



0 — 5

Coral Health Index: TBD

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 and of the author's dive notes, not a second survey.

HARD CORAL COVER

44%

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)

27.2°C

CTD-cast midpoint of 27.1–27.2°C

-0.5°C vs the 2013 mean sea temperature (27.7°C)

PHOTOGRAPHS

20 in the gallery · 21 on file

POSITION

-17.9651, -179.0789

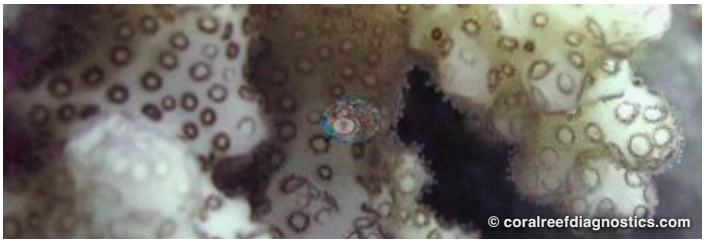
Coordinate from the supporting data of Mayfield et al. (2017, PLoS ONE).





A shallow fore-reef slope on Nayau's northwest side whose framework is packed with small branching colonies, at 44% cover. Anderson photographed a bleached pocilloporid and another pocilloporid with pale, partly bleached tissue between brown polyps. Surveyed on the Living Oceans Foundation's Global Reef Expedition.

Vosa Vakaviti. E dua na baba ni yasana i tuba ni cakau (fore-reef slope) e sega ni titobu ena yasana i vualiku-i-ra i Nayau, ka na kena ivakatudei e vonu ena lase lalai vakatabataba, ka 44% na ubi ni lase (coral cover). A taba ko Anderson e dua na pocilloporid vulavula (bleached) kei na dua tale na pocilloporid e vulavula vakalailai (pale) na yagona, e vulavula vakalailai (partly bleached) ena maliwa ni polyp e roka (brown). *AI translation of this summary; the English is authoritative. (low confidence)*





CV model comparison (hard coral cover, %): Transect mean (all transects) 43.5 · CoralSCOP edited 31.4* · Claude (edited photos) 27.8* The two computer-vision methods agree within 3.6 pp (27.8–31.4%) and read 12.1–15.7 pp below the in-water transect (43.5%); the headline is the in-water transect because a diver transect is independent of the photographs. *Based on only 15 reef-habitat photos; this estimate is less certain.

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 20 in the gallery · 21 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/gre-fiji-nayau-fjna40.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.