

Goulding Cay (New Providence)

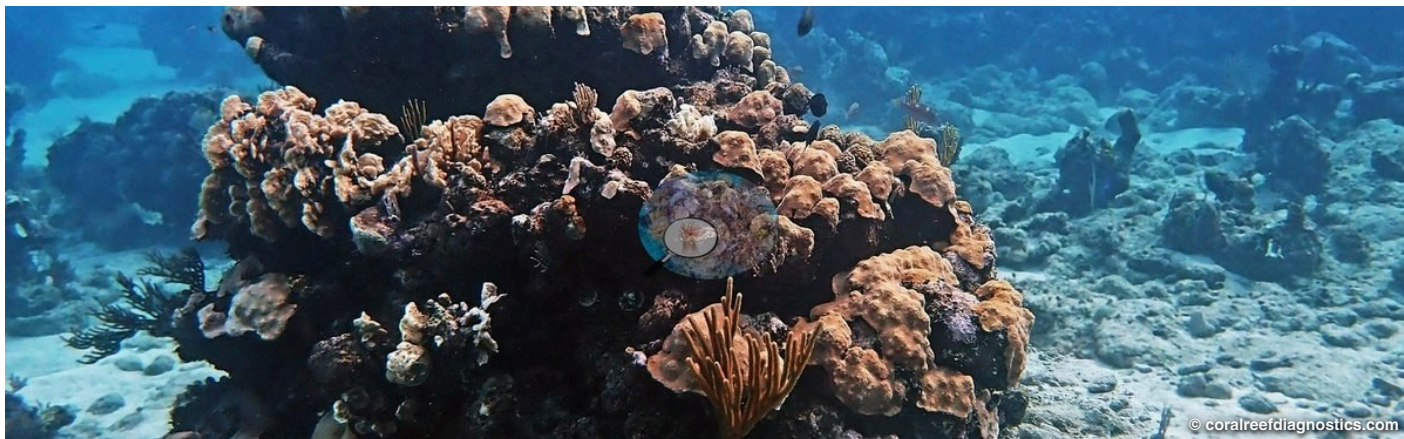
surveyed 2022-10-13



AGRR Atlantic and Gulf Rapid Reef Assessment



Reef Check



Coral Health Index: TBD

What was done. No diver transect was run at this site. The figure is a blind Claude computer-vision point classification of 117 photographs by the author, read without sight of any other method's result; other computer-vision methods are compared on the site page. The written account of the site is a review of its photographs (121 frames), not a second survey.

HARD CORAL COVER

7.9%

Claude computer vision (117 edited photos) · median 5.9%

TODAY'S HEAT LOAD

29.8°C

18.1°C-weeks

3 Oct 2026 · +1.4°C vs the annual mean (28.4 °C) · NOAA Alert Level 2

HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)

13.5°C-weeks

NOAA annual peaks averaging 12–16 °C-weeks

MAX. DEPTH

11.0 m

WATER TEMP. (SURVEY)

28.9°C

+1.5°C vs the 2022 mean sea temperature (27.4°C)

PHOTOGRAPHS

119

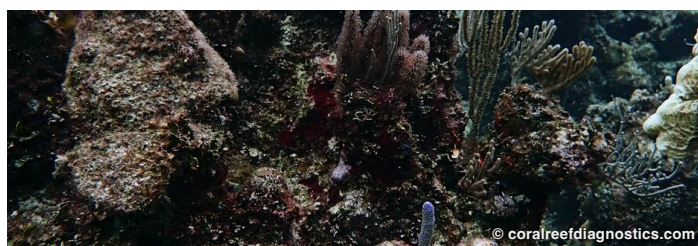
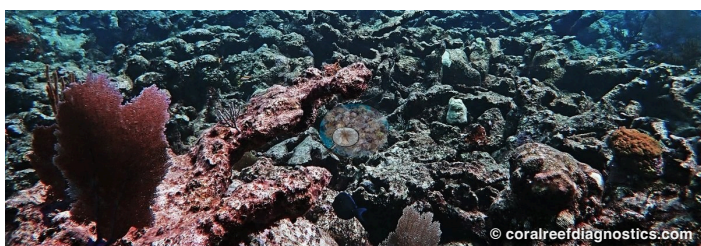
on file for this site

POSITION

25.0203, -77.5589



Goulding Cay, off the western tip of New Providence, is a shallow spur-and-groove reef in bright white sand whose signature is a graveyard of dead elkhorn coral framework, now crusted in coralline algae and dotted with small new coral colonies. Brain corals, star corals, sea fans, and sponges make up the living reef, but bleached or partly white colonies turn up throughout the dive, including colonies Anderson himself labeled as bleached or diseased.



CV model comparison (hard-coral cover, %): CoralSCOP edited 19.5 · Claude (edited photos) 7.9

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 119 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/goulding-cay-new-providence.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 (Central Bahamas) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.