NOAA - MacArthur Causeway South (Urban Corals), Miami

Florida reef tract - Urban Corals · surveyed 2019-06-26



0 — 5

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 13 photographs by the author, read without sight of any other method's result. 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

19%*

Claude computer vision (13 edited photos) · median 20%

*Based on only 13 reef-habitat photos; this estimate is less certain.

MOST RECENT HEAT LOAD RECORD

28.6°C **9.6°C-weeks**

26 Oct 2026 · +0.5°C vs the past-365-day mean (28.1°C) · NOAA alert that day: no stress (water now below the bleaching threshold; 9.6°C-weeks built up over the last 12 weeks)

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

9.4°C-weeks

NOAA annual peaks averaging 8–12°C-weeks

MAX. DEPTH

3.7 m

WATER TEMP. (SURVEY)

32.2°C

+4.8°C vs the 2019 mean sea temperature (27.4°C)

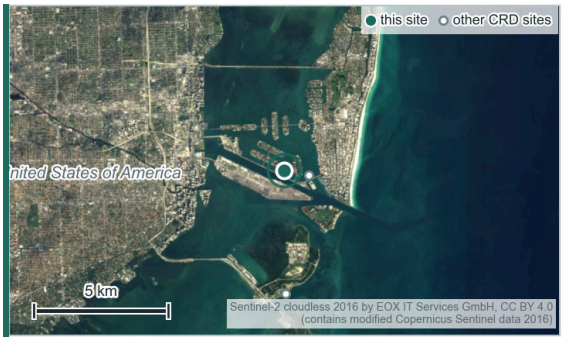
PHOTOGRAPHS

5 in the gallery · 41 on file

POSITION

25.7760, -80.1555

Approximate position: no GPS fix was logged for this dive.





Miami's urban reef in miniature: hazy, sediment-draped hard-bottom at the foot of MacArthur Causeway, where Anderson sampled 10 silt-dusted *Pseudodiploria strigosa* brain corals on 26 June 2019 (the sample sheet) among mustard-yellow mounding corals. The Urban Corals study (Rubin et al. 2021) reports a separate collection of 10 colonies here on 14 February 2020.





CV model comparison (hard coral cover, %): Claude (edited photos) 18.7* *Based on only 13 reef-habitat photos; this estimate is less certain.

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 5 in the gallery · 41 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/noaa-macarthur-causeway-south-urban-corals-miami.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 (Southeast Florida) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.