Neptune Memorial Reef

Florida Keys / South Florida · surveyed 2022-04-16



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 35 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 (55 of the 61 frames on file) and of the author's dive notes, not a second survey.

HARD CORAL COVER

1.6%

Claude computer vision (35 edited photos) · median 0.0%

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

13.7 m

WATER TEMP. (SURVEY)

26.4°C

-1.1°C vs the 2022 mean sea temperature (27.5°C)

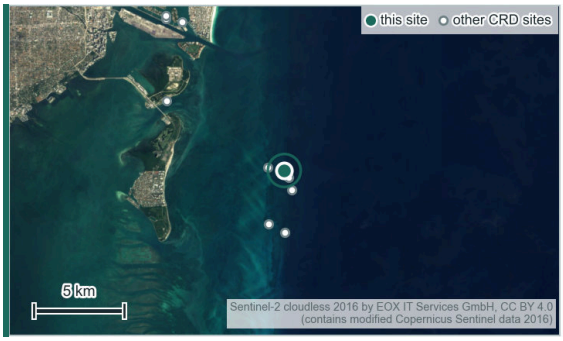
PHOTOGRAPHS

50 in the gallery · 61 on file

POSITION

25.7006, -80.0902

Recorded site position.





Neptune Memorial Reef is an underwater cemetery off Key Biscayne, where concrete columns, archways, sculptures such as a lion, and memorial plaques stand on open sand. The structures are crusted with algae, coralline, and sponges plus a few small coral recruits, and they draw a lot of fish, especially barracuda.





CV model comparison (hard coral cover, %): Claude (edited photos) 1.6

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 on this card; 50 in the gallery · 61 on file; watermarked · Full site record: https://api.coralreefdiagnostics.com/site-pages/neptune-memorial-reef.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.