

Turks and Caicos - Boat Cove

surveyed 2022-08-04



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 74 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, not a second survey.

HARD CORAL COVER

11%

Claude computer vision (74 edited photos) · median 5.6%

↘ 33%, 2007–2022

TODAY'S HEAT LOAD

30.2°C

12.1°C-weeks

3 Oct 2026 · +1.8°C vs the annual mean (28.4 °C) · NOAA Alert Level 2

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

11.0°C-weeks

NOAA annual peaks averaging 8–12 °C-weeks

MAX. DEPTH

29.0 m

WATER TEMP. (SURVEY)

28.3°C

+0.5°C vs the 2022 mean sea temperature (27.8°C)

PHOTOGRAPHS

74

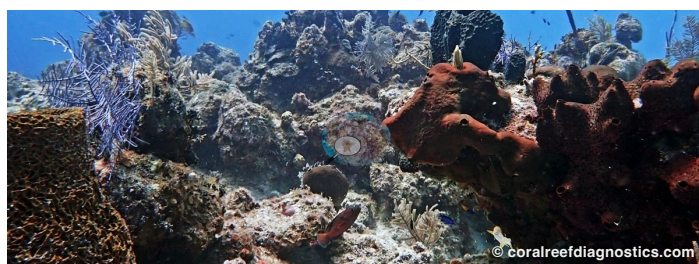
48 on the site page

POSITION

21.6728, -72.4692



Boat Cove, off West Caicos, is a set of coral-and-sponge mounds separated by white sand channels, with big boulder star corals, barrel and elephant-ear sponges, and schools of grunts. A Caribbean reef shark, spiny lobster, flounder, and yellowhead jawfish were seen; many large colonies have dead, turf-covered centers, though no bleaching was evident.



CV model comparison (hard-coral cover, %): CoralSCOP edited 24.6 · Claude (edited photos) 11.3 · Reef Check 2007 (same site) 16.9

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 74 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/turks-and-caicos-boat-cove.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 (Turks and Caicos) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.