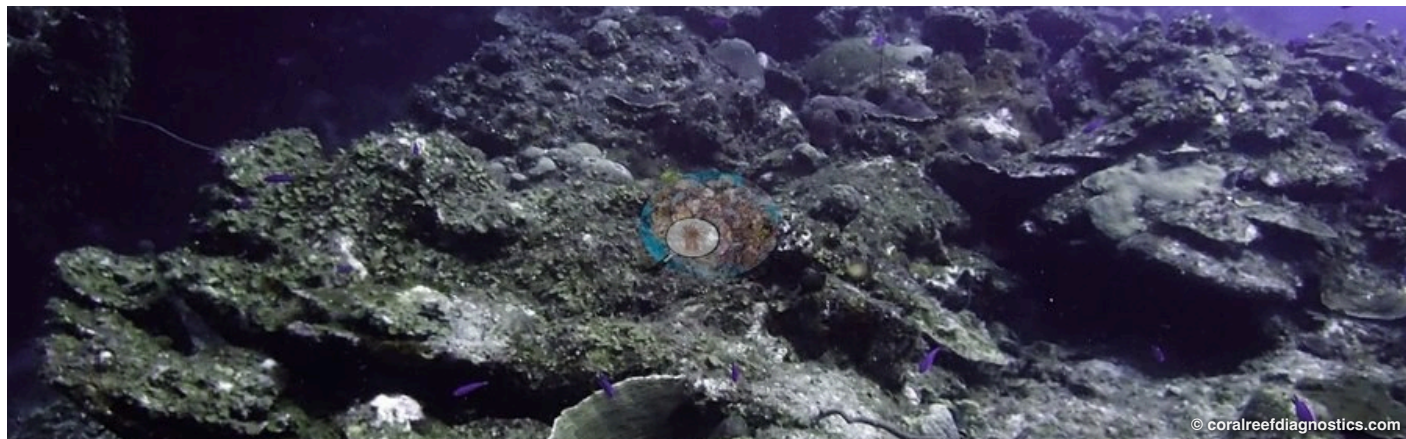


Turks and Caicos - Shark Hotel

surveyed 2022-07-31



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 44 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

16%

Claude computer vision (44 edited photos) · median 11%

55%, 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

28.0 m

deepest of 3 logged dives

WATER TEMP. (SURVEY)

28.3°C

+0.6°C vs the 2022 mean sea temperature (27.7°C)

PHOTOGRAPHS

55

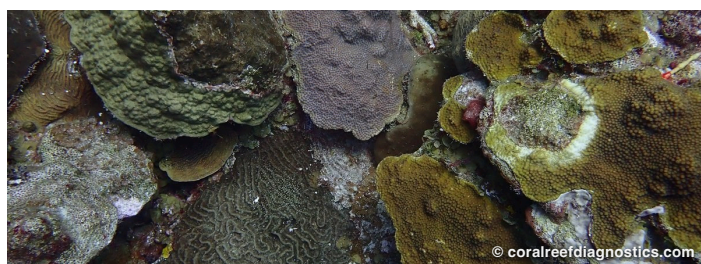
on file for this site

POSITION

21.8443, -72.3418



A wall dive with a chimney swim-through from about 40 ft to 130 ft, with plate corals on the upper wall and a sand terrace below where Caribbean reef sharks, southern stingrays, and barracuda cruise. Active tissue loss was widespread, with about a dozen frames of fresh white lesions on star corals and one shot of ten or more small colonies each carrying its own lesion.



CV model comparison (hard-coral cover, %): CoralSCOP edited 19.0 · Claude (edited photos) 15.5 · Reef Check 2007 (same site) 10.0

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 55 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/turks-and-caicos-shark-hotel.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.