

Turks and Caicos - Thunderdome

surveyed 2022-08-01



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 54 photographs by the author, read without sight of any other method's result; other computer-vision methods are compared on the site page.

HARD CORAL COVER

8.6%

Claude computer vision (54 edited photos) · median 5.0%
↘ 49%, 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)

28.8°C

+1.1°C vs the 2022 mean sea temperature (27.7°C)

PHOTOGRAPHS

54

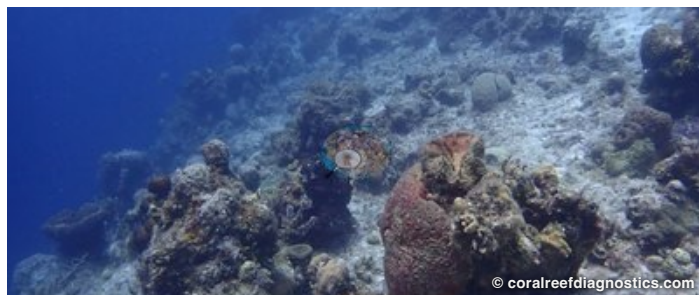
on file for this site

POSITION

21.8371, -72.3410



Thunderdome is the collapsed, rusting metal dome of a 1980s French TV game show set, sitting on sand in about 12 m off Providenciales and now crusted with sponges and golden sun corals. Horse-eye jacks and Caribbean reef sharks circle it, making it a favorite freediving and night-dive site; one finger coral nearby had a single fully bleached branch.



CV model comparison (hard-coral cover, %): CoralSCOP edited 17.3 · **Claude (edited photos) 8.6** · Reef Check 2005 (same site) 6.2

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 54 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/turks-and-caicos-thunderdome.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.