

Oman - Cat Island (Muscat)

surveyed 2024-05-21



What was done. The figure is the author's own manual point count, annotated by hand over 81 photographs. 7 further methods were run on the same frames and are reported on the site page.

HARD CORAL COVER 25% manual point count (81 photos) · other methods on the site page	TODAY'S HEAT LOAD 30.4°C 4.6°C-weeks 16 Sep 2026 · +1.9°C vs the annual mean (28.5 °C) · <u>NOAA</u> Alert Level 1	HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW) 11.0°C-weeks <u>NOAA</u> annual peaks averaging 8–12 °C-weeks
MAX. DEPTH — not logged	WATER TEMP. (SURVEY) — not logged	PHOTOGRAPHS 28 on file for this site
POSITION 23.5859, 58.6093		

Cat Island is a rocky islet reef off Muscat where hard coral, soft coral, and turf split the bottom almost evenly (32.9%/22.6%/25.9% by point count), with compact branching colonies packed shoulder to shoulder on boulder tops giving way to leather-coral stands and dense corallimorph carpets lower down. A crown-of-thorns starfish and a buried stingray are on record for this site from an earlier review, though neither appears in the reviewed photographs, which instead feature a pair of orange-spotted nudibranchs and two well-camouflaged scorpionfish.

العربية. الصور الأربع على هذا الموقع لقطات قريبة، وما تُظهره هو النصف الرخو المنخفض التضاريس من قاع تقسمه الإحصاءات المنشورة بالتساوي تقريباً بين المرجان الصلب والمرجان الرخو والطحالب الخيطية. ترجمة هذا الملخص بالذكاء الاصطناعي؛ النص الإنجليزي هو المعتمد.



CV model comparison (hard-coral cover, %): Manual (published) 24.9 · CoralNet 24.9 · In-house DINOv3 24.9 · CoralSCOP unedited 33.3 · CoralSCOP edited 36.5 · Claude 36.1

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 28 on file; Watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/oman-cat-island-muscat.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 (Gulf of Oman) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.