

Oman - Daymaniyat Site 1

surveyed 2024-05-25



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سلطنة عمان
SULTANATE OF OMAN
هيئة البيئة
ENVIRONMENT AUTHORITY



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Coral Health Index: TBD

What was done. The figure is the author's own manual point count, annotated by hand over 79 photographs. 7 further methods were run on the same frames and are reported on the site page.

HARD CORAL COVER

42%

manual point count (79 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)
· [NOAA Alert Level 1](#)

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

11.0°C-weeks

[NOAA](#) annual peaks averaging 8–12 °C-weeks

MAX. DEPTH

—

not logged

WATER TEMP. (SURVEY)

—

not logged

PHOTOGRAPHS

19

on file for this site

POSITION

23.8573, 58.1014



Daymaniyat Site 1 is a shallow, strongly zoned reef complex - near-monospecific meadows of tabular *Acropora* and dense *Pocillopora* fields separated by white sand channels and *Porites* bommies, with sea turtles photographed repeatedly and a stingray resting on the sand plain. Published hard coral cover is 51%, but photo review found a classifier error scoring live tabular *Acropora* as soft coral, putting effective hard coral cover closer to 79%; no bleaching was seen, though a heat event arrived just six to eight weeks after these photographs were taken, and a reef this dominated by two heat-sensitive genera has little redundancy if it does.

العربية. الموقع 1 في جزر الديمانيات (Daymaniyat) عبارة عن مجمع شعاب مرجانية ضحل وشديد التمايز - مروج شبه أحادية النوع من مرجان *Acropora* الطاولي وحقول كثيفة من *Pocillopora* يفصل بينها قنوات رملية بيضاء وكتل صخرية من *Porites*، مع سلاحف بحرية تم تصويرها مرارًا وسمة رأي لاسعة مستريحة على السهل الرمل. ترجمة هذا الملخص بالذكاء الاصطناعي: النص الإنجليزي هو المعتمد.

CV model comparison (hard-coral cover, %): Manual (published) 41.7 · [CoralNet](#) 41.7 · In-house DINOv3 34.4 · CoralSCOP unedited 23.2 · CoralSCOP edited 24.6 · Claude 51.2

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 1 of 19 on file; watermarked · Full site record: <https://api.coralreediagnosics.com/site-pages/oman-daymaniyat-site-1.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.