

Saudi Red Sea - Bhadur Reef (Jeddah)

Jeddah · surveyed 2024-09-07



What was done. The figure is the author's own manual point count, annotated by hand over 222 photographs. 2 further methods were run on the same frames and are reported on the site page. The written account of the site is a review of its photographs, not a second survey.

HARD CORAL COVER 21% manual point count (222 photos) · other methods on the site page	TODAY'S HEAT LOAD 33.4°C 3.6°C-weeks 16 Sep 2026 · +2.9°C vs the annual mean (30.5 °C) · NOAA Bleaching Warning	HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW) 14.3°C-weeks 🔥 NOAA annual peaks averaging 12–16 °C-weeks
MAX. DEPTH — not logged	WATER TEMP. (SURVEY) 31.0°C +1.7°C vs the 2024 mean sea temperature (29.3°C) Note: NOAA 's regional station series averages 1.9°C warmer than the satellite pixel nearest this site (3.5 km away), which is used here instead.	PHOTOGRAPHS 4 on file for this site
POSITION 21.7559, 39.0519		

Bhadur Reef sits directly off the Jeddah waterfront - Anderson captioned one frame 'diving downtown Jeddah' - and was surveyed at the highest accumulated heat stress of any site in this set (22.3 DHW). The bleaching here hit the whole community at once, not just hard corals: massive *Porites*, soft corals, and anemones were all found bleached together, with roughly six in ten corals affected (61.8% of tissue), even as the reef kept functioning as habitat for nudibranchs, a blue-spotted ray, and anemonefish.

العربية. تقع شعبة بحدّر مباشرة قبالة واجهة جدة البحرية — وقد علّق أندرسون على إحدى الصور بعبارة "الغوص في وسط جدة" — وقد مُسحت عند أعلى إجهاد حراري متراكم بين مواقع هذه المجموعة (DHW 22.3). ترجمة هذا الملخص بالذكاء الاصطناعي؛ النص الإنجليزي هو المعتمد.

CV model comparison (hard-coral cover, %): Manual (published) 21.3 · In-house DINOv3 34.9 · Claude 27.3

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 1 of 4 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/saudi-red-sea-bhadur-reef-jeddah.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 (Makkah-Madine Saudi Arabia) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.