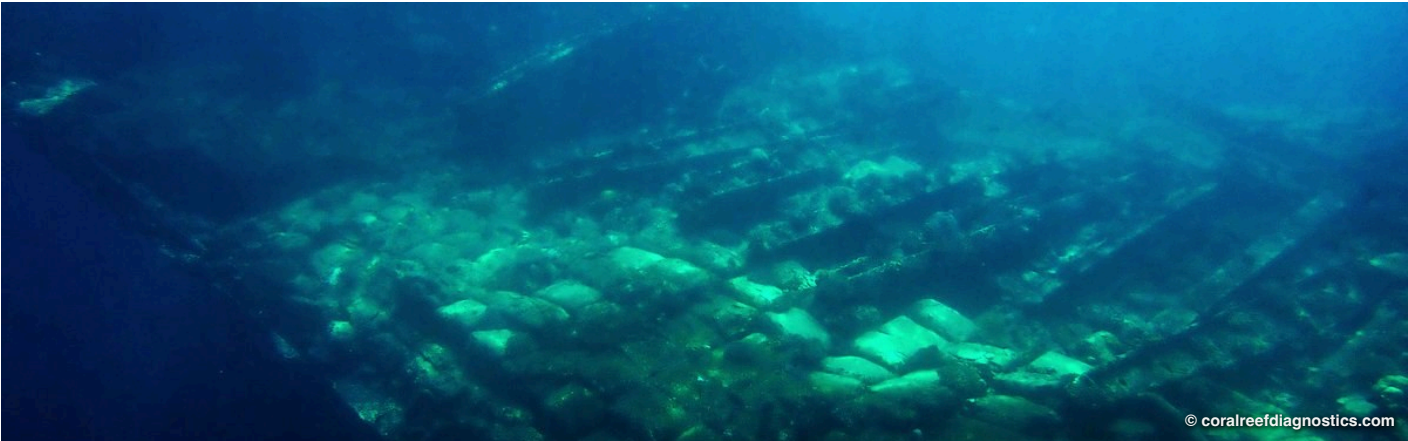


Saudi Red Sea - Cement Wreck (Thuwal)

Thuwal · 3 visits, 2023-09-08 – 2024-07-26



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What was done. The figure is the author's own manual point count, annotated by hand over 383 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 13% manual point count (383 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 14.0 m	WATER TEMP. (SURVEY) — not logged	PHOTOGRAPHS 9 on file for this site
POSITION 22.4000, 38.8000		

Cement Wreck pairs a low-cover steel shipwreck - its hull colonized only patchily by coralline algae, sponges, and scattered small corals - with a steeper natural reef slope beside it carrying *Porites* boulders, a large *Diploastrea heliopora* colony (a third of its surface long dead and recolonized, not fresh damage), and tabulate *Acropora*. Across three visits (Sept 2023, April 2024, July 2024) cover ran 10-16% with bleaching from 18.7% to 32.0% of coral tissue, tracking the site's exposure to Red Sea thermal-stress events; a blue-spotted ribbontail ray sheltering under the hull was a fauna highlight.

العربية. يجمع موقع حطام الأسمنت بين حطام سفينة فولاذية منخفضة الغطاء — لم تستوطن هيكله سوى الطحالب المرجانية والإسفنجيات ومرجانيات صغيرة منفردة — ومنحدر شعبة طبيعية أشد انحداراً بجانبه يحمل كتلاً من *Porites*، ومستعمرة كبيرة من *Diploastrea heliopora* (ثلث سطحها ميت منذ زمن وأعيد استيطانه، وليس ضرراً حديثاً)، ومرجان *Acropora* الطولي. ترجمة هذا الملخص بالنكاء الاصطناعي: النص الإنجليزي هو المعتمد.

CV model comparison (hard-coral cover, %): Manual (published) 12.8 · In-house DINOv3 47.5 · Claude 23.9

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 1 of 9 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/saudi-red-sea-cement-wreck-thuwal.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.