

Indonesia - Halmahera: Lelay Utara (north)

Halmahera (North Maluku) · surveyed 2026-08-16



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 174 photographs by the author, read without sight of any other method's result; other computer-vision methods are compared on the site page. The written account of the site is a review of its photographs, not a second survey.

HARD CORAL COVER

48%

Claude computer vision (174 photos)

TODAY'S HEAT LOAD

28.7°C

0.0°C-weeks

16 Sep 2026 · -0.9°C vs the annual mean (29.6 °C)

· NOAA No heat stress

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

5.1°C-weeks

NOAA annual peaks averaging 4–8 °C-weeks

MAX. DEPTH

29.0 m

dive-log maximum

WATER TEMP. (SURVEY)

—

not logged

PHOTOGRAPHS

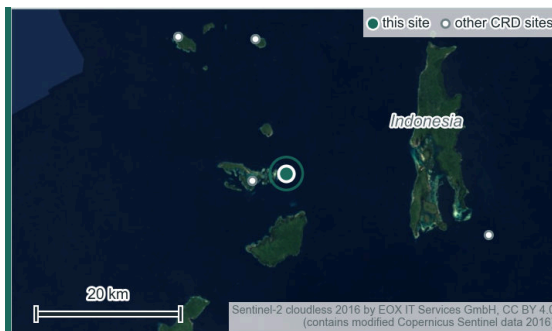
55

on file for this site

POSITION

-0.0241, 127.2481

Position placed on the dive site.



Lelay Utara splits sharply between a deep sand plain with isolated coral mounds and a shallow plateau of near-continuous branching coral. A section of that shallow plateau shows real, active partial bleaching - discrete colonies bone-white against normally pigmented tan and olive neighbors under the same light - not yet a completed mortality event. A blind Claude computer-vision point count puts coral cover around 48%.

Bahasa Indonesia. Lelay Utara terbelah tajam antara dataran pasir dalam dengan gundukan karang yang terpisah-pisah dan dataran dangkal berisi karang bercabang yang hampir menyambung. Satu bagian dataran dangkal itu memperlihatkan pemutihan sebagian yang nyata dan aktif — koloni-koloni tertentu berwarna putih tulang di antara tetangganya yang berpigmen cokelat dan zaitun normal di bawah cahaya yang sama — dan belum merupakan peristiwa kematian yang tuntas. Penghitungan titik buta visi komputer Claude memperkirakan tutupan karang sekitar 48%. *Terjemahan ringkasan ini oleh AI; versi bahasa Inggris yang berlaku.*

CV model comparison (hard-coral cover, %): In-house DINOv3 31.1 · CoralSCOP unedited 30.1 · Claude 47.8

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 1 of 55 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/indonesia-halmahera-lelay-utara-north.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 (North Maluku) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.