

Raja Ampat - Shadow Reef

Pulau Misool · 2 visits, 2018-10-18 – 2018-10-20



What was done. No diver transect was run at this site. The figure is a blind Claude computer-vision point classification of 85 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 17% Claude computer vision (85 edited photos)	TODAY'S HEAT LOAD 29.9°C 1.4°C-weeks 16 Sep 2026 · -0.2°C vs the annual mean (30.1 °C) · NOAA Bleaching Watch	HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW) 10.1°C-weeks NOAA annual peaks averaging 8–12 °C-weeks
MAX. DEPTH 33.2 m deepest of 2 logged dives	WATER TEMP. (SURVEY) 27.0°C -1.9°C vs the 2018 mean sea temperature (28.9°C)	PHOTOGRAPHS 45 on file for this site
POSITION -2.0500, 130.5500 Approximate position: no GPS fix was logged for this dive.		

Shadow Reef's second dive is defined by extraordinary fish biomass - giant trevally, tuna, large batfish schools, and a sleeping shark under a table coral - over a site where soft coral generally outweighs hard coral, though a 5 m *Acropora* table and *Porites* bommies stand out at 12-14 m. A blind Claude computer-vision point count puts coral cover around 17%.

Bahasa Indonesia. Penyelaman kedua Shadow Reef dicirikan oleh biomassa ikan yang luar biasa — ikan kuwe raksasa, tuna, gerombolan ikan kelelawar besar, dan seekor hiu yang tidur di bawah karang meja — pada lokasi yang secara umum karang lunaknya melebihi karang keras, meskipun satu meja *Acropora* selebar 5 m dan gundukan *Porites* menonjol pada kedalaman 12-14 m. Penghitungan titik buta visi komputer Claude memperkirakan tutupan karang sekitar 17%. *Terjemahan ringkasan ini oleh AI; versi bahasa Inggris yang berlaku.*

CV model comparison (hard-coral cover, %): In-house DINOv3 17.6 · CoralSCOP edited 18.2 · **Claude (edited photos) 16.9**

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 1 of 45 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/raja-ampat-shadow-reef.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 (West Papua) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.