

Kenya - Pilot Nursery (Pate [Lamu])

Pate (Lamu) · surveyed 2024-04-03



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What was done. The figure is the author's own manual point count, annotated by hand over 21 photographs. 7 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 (33 frames), not a second survey. Fieldwork with PMCC / [Northern Rangelands Trust](#).

HARD CORAL COVER 14% manual point count (21 photos) · other methods on the site page	TODAY'S HEAT LOAD 26.8°C 0.0°C-weeks 16 Sep 2026 · -1.0°C vs the annual mean (27.8 °C) · NOAA No heat stress	HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW) 4.9°C-weeks NOAA annual peaks averaging 4–8 °C-weeks
MAX. DEPTH 6 m	WATER TEMP. (SURVEY) 32.0°C +3.7°C vs the 2024 mean sea temperature (28.3°C)	PHOTOGRAPHS 4 on file for this site
POSITION -2.1660, 41.0390		

Pilot Nursery, off Pate Island, pairs empty rusting rebar restoration tables with stocked concrete beams carrying small outplanted *Acropora* and *Pocillopora* fragments - a genuine mix of pigmented and bleached nubbins rather than a uniform outcome. The natural reef here is continuous nodular *Porites* pavement rather than scattered heads, and it was found extensively bleached and heavily overrun by fleshy macroalgae, which grows up through the empty nursery tables. Published cover was 14% with 93.6% of coral tissue bleached, among the highest bleaching figures in the Kenya survey; large schools of blackspotted sweetlips and a lionfish were recorded.

Kiswahili. Eneo la majaribio la urejeshaji nje ya Kisiwa cha Pate katika maji ya kijani yenye tope chini ya tandiko lililosimama la mwani mnene. Meza za chuma zilizounganishwa kweli ni tupu, lakini nguzo za saruji zinabeba zaidi ya vipandikizi ishirini vilivyogandishwa, na vipande hivyo viko katika hali bora kuliko *Porites* ya asili iliyo jirani iliyopauka karibu kwa usawa. *Tafsiri ya muhtasari huu kwa AI; Kiingereza ndicho kinachotumika rasmi.*

CV model comparison (hard-coral cover, %): Manual (published) 14.0 · [CoralNet](#) 19.0 · In-house DINOv3 32.6 · [CoralSCOP](#) unedited 11.2 · Claude 10.0

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 1 of 4 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/kenya-pilot-nursery-pate-lamu.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 (Kenya) — a five-year heat history for the station's waters. not a measurement at this site on the dive date.