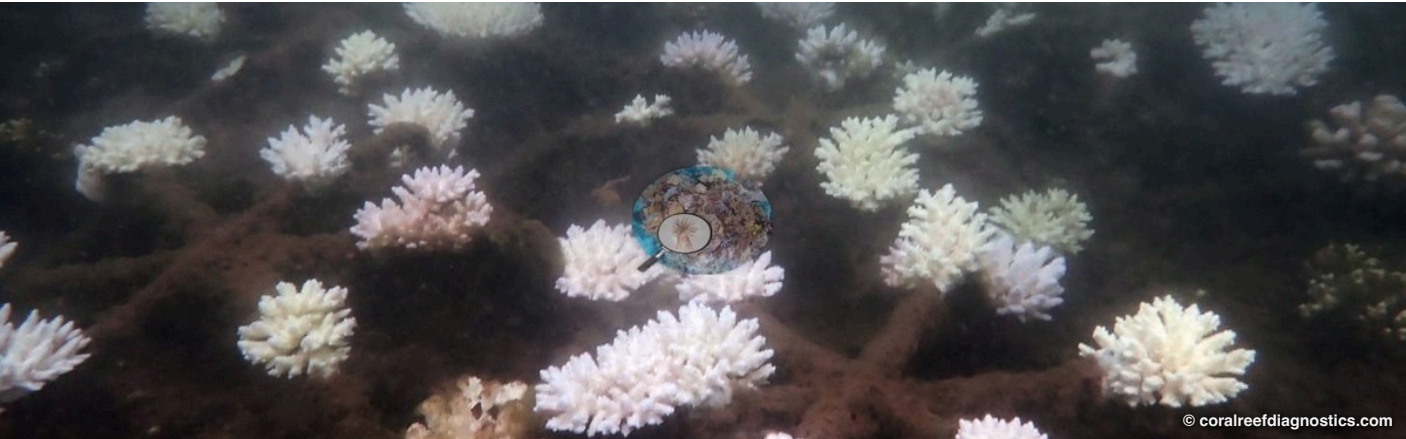


Kenya - Ocean Trust Nursery (Pate [Lamu])

Pate (Lamu) · surveyed 2024-04-03



What was done. The figure is the author's own manual point count, annotated by hand over 62 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 (55 frames), not a second survey. Fieldwork with PMCC / [Northern Rangelands Trust](#).

HARD CORAL COVER 29% manual point count (62 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 2 m	WATER TEMP. (SURVEY) 32.0°C +3.8°C vs the 2024 mean sea temperature (28.2°C)	PHOTOGRAPHS 4 on file for this site
POSITION -2.2140, 41.0177		

Ocean Trust Nursery, the final and worst-hit site of the 2024 Kenya survey, combines MARS-style restoration hardware (hexagonal reef stars, rope lines, a rebar frame) with an older, richer natural reef built on large stacked plate-coral stands. Nearly everything here was bleached (95.4% of tissue, the highest figure of any Kenya site), though one striking frame captured a natural branching thicket showing the full gradient at once - bone-white, cream, tan, and deep wine-red pigmented branches touching each other - the clearest evidence that the response was colony-specific rather than uniform. Published cover was 29%, though as a stocked restoration plot this figure shouldn't be compared directly with natural-reef sites.

Kiswahili. Eneo la mwisho la utafiti wa Kenya wa 2024 na lililoathirika vibaya zaidi kati ya ishirini: usakinishaji wa urejeshaji uliowekwa juu na kando ya mwamba wa asili nje ya Kisiwa cha Pate. Vipandikizi juu ya aina zote tatu za miundo kwa wingi ni vyeupe kama mfupa, na rangi ya kahawia hapa haionyeshi kwa uhakika tishu hai. *Tafsiri ya muhtasari huu kwa AI; Kiingereza ndicho kinachotumika rasmi.*

CV model comparison (hard-coral cover, %): Manual (published) 28.9 · [CoralNet](#) 28.1 · In-house DINOv3 40.3 · CoralSCOP unedited 10.9 · Claude 26.7

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 1 of 4 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/kenya-ocean-trust-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.