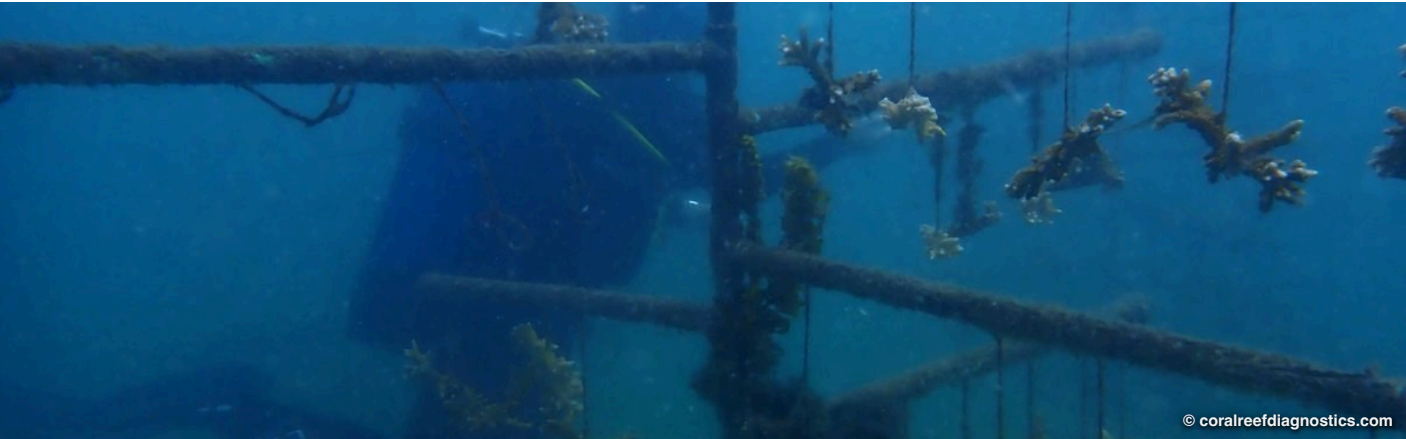


Kenya - Reefolution nursery (Shimoni-Wasini)

Shimoni-Wasini · surveyed 2024-03-20



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What was done. The figure is the author's own manual point count, annotated by hand over 258 photographs. 5 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 (206 frames), not a second survey. Fieldwork with REEFolution.

HARD CORAL COVER

40%

manual point count (258 photos) · other methods on the site page

57%, 2019–2024

TODAY'S HEAT LOAD

26.8°C0.0°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

5 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

-4.6594, 39.3822



This REEFolution restoration site in the Shimoni-Wasini channel pairs an engineered coral nursery - rope trees, rebar frames, and concrete modules bearing outplanted *Acropora* fragments - with the natural fringing reef around it, heavily overgrown with fleshy macroalgae. Bleaching on the nursery stock was patchy, with pigmented and stark-white fragments hanging side by side on the same structure, while on the natural reef massive *Porites* domes largely held their color even as brain corals went mostly bone-white and branching *Acropora* and *Pocillopora* took the worst damage, some already dead and turf-covered. Published cover was 40% with 72.7% of hard coral tissue bleached.

Kiswahili. Eneo la urejeshaji wa matumbawe la REEFolution katika mkondo wa Shimoni-Wasini, lililopigwa picha kama vitu viwili kwa wakati mmoja: mpangilio uliobuniwa wa miti ya kamba, fremu za nondo na moduli za saruji, pamoja na mwamba wa asili unaouzunguka. Vipandikizi vingi vya kitalu vina rangi badala ya kupauka na viko katika hali bora kuliko mwamba wa asili ulio jirani, ingawa... *Tafsiri ya muhtasari huu kwa AI; Kiingereza ndicho kinachotumika rasmi.*

CV model comparison (hard-coral cover, %): Manual (published) 40.2 · CoralNet 39.6 · In-house DINOv3 43.8 · CoralSCOP unedited 16.3

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