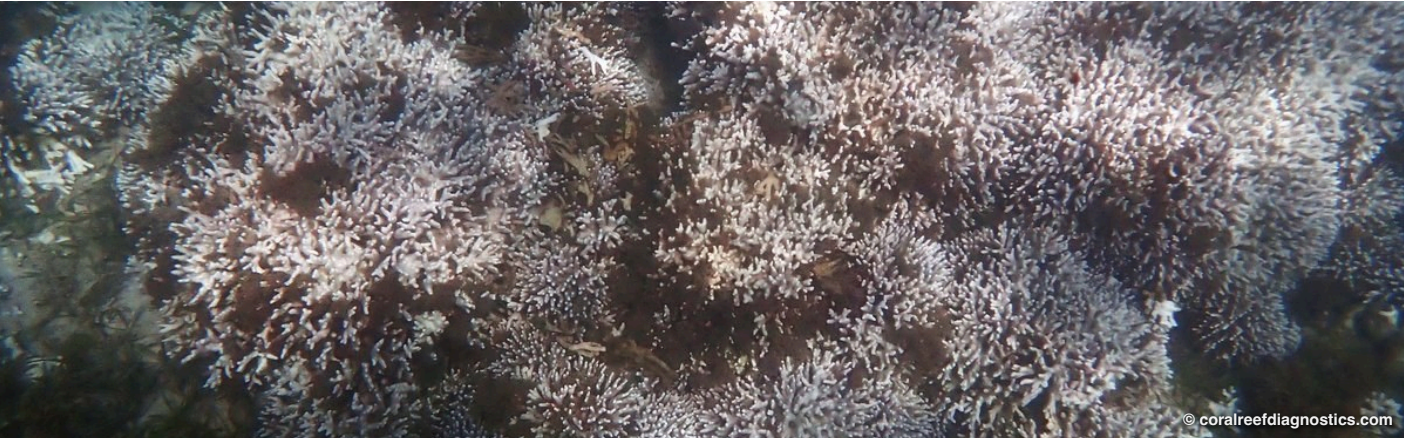


Kenya - Lower Mpunguti-site 2 (Kisite National Park)

 REEFOLUTION

Kisite National Park · surveyed 2024-03-21



What was done. The figure is the author's own manual point count, annotated by hand over 27 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 (27 frames), not a second survey. Fieldwork with REEFolution.

HARD CORAL COVER

34%

manual point count (27 photos) · other methods on the site page

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

0.5 m

WATER TEMP. (SURVEY)

32.1°C

+3.9°C vs the 2024 mean sea temperature (28.2°C)

PHOTOGRAPHS

4

on file for this site

POSITION

-4.6849, 39.3951



● this site ● other CRD sites

Sentinel-2 cloudless 2016 by EOX IT Services GmbH, CC BY 4.0 (contains modified Copernicus Sentinel data 2016)



Kenya

Lower Mpunguti-site 2 is a densely covered reef flat where nearly everything was found bleached at once - continuous corymbose *Acropora* thickets gone bone-white to the branch tips, and even massive *Porites* domes (normally the growth form that holds on best) whitened over their entire surface. A mound of ruffled leather soft corals was found paling too, alongside two giant clams set into the rock. Published cover was 34%, above the Kenya-wide average, with 81.9% of coral tissue bleached, also above the 77.1% survey mean.

Kiswahili. Mwamba wa nane na wa mwisho wa mkondo wa Shimoni, uliopigwa picha kwa dakika 22 mwanzo hadi mwisho mara tu baada ya Lower Mpunguti eneo la 1. Picha nne mfululizo zinaonyesha kichaka kinachoendelea cha *Acropora* ya umbo la kishada kilichopauka takriban kabisa, na vitobo vya *Porites* makubwa navyo vimepauka kwa ukamilifu. *Tafsiri ya muhtasari huu kwa AI; Kiingereza ndicho kinachotumika rasmi.*

CV model comparison (hard-coral cover, %): Manual (published) 34.2 · CoralNet 34.2 · In-house DINOv3 42.6 · CoralSCOP unedited 16.9

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 1 of 4 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/kenya-lower-mpunguti-site-2-kisite-national-park.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-