

St. Eustatius - STENAPA Reef

surveyed 2026-02-24



Coral Health Index: TBD

What was done. No diver transect was run at this site. The figure is a blind Claude computer-vision point classification of 103 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

4.6%

Claude computer vision (103 photos)

TODAY'S HEAT LOAD

29.5°C

4.7°C-weeks

16 Sep 2026 · +1.3°C vs the annual mean (28.2 °C)
· [NOAA Alert Level 1](#)

HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)

13.9°C-weeks

[NOAA](#) annual peaks averaging 12–16 °C-weeks

MAX. DEPTH

21.9 m

dive-log maximum

WATER TEMP. (SURVEY)

—

not logged

PHOTOGRAPHS

50

on file for this site

POSITION

17.4842, -62.9972



A purpose-built artificial reef in St. Eustatius National Marine Park: concrete rings, arches, slabs, and steel hoops laid across a volcanic sand plain, now covered mainly by sponges, with small young coral colonies settling on the structures. Grunts, squirrelfish, spiny lobsters, and invasive lionfish crowd the compartments, and invasive orange cup coral is also present. Wreck and artificial-structure site: this cover value counts coral growing on man-made structure (steel, concrete, wreck debris) and the bottom around it, so it isn't comparable with natural-reef cover or with regional averages.



CV model comparison (hard-coral cover, %): In-house DINOv3 18.0 · CoralSCOP unedited 21.2 · **Claude 4.6**

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 50 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/st-eustatius-stenapa-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 (Leeward Caribbean Islands) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.