

St. Lucia - Pigeon Island

Gros Islet / Rodney Bay · surveyed 2022-06-30



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 41 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

13%

Claude computer vision (41 edited photos) · median 10%

TODAY'S HEAT LOAD

29.6°C

5.0°C-weeks

3 Oct 2026 · +1.3°C vs the annual mean (28.3 °C) · NOAA Alert Level 1

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

14.3°C-weeks

NOAA annual peaks averaging 12–16 °C-weeks

MAX. DEPTH

—

not logged

WATER TEMP. (SURVEY)

—

not logged

PHOTOGRAPHS

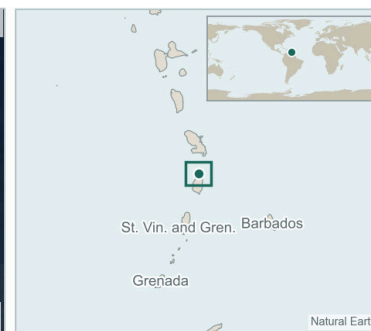
42

on file for this site

POSITION

14.0926, -60.9646

Published island coordinate; the exact entry point was not recorded.



Pigeon Island is a nearshore rocky reef where live coral is real but scattered among turf, sediment, and abundant sponge - finger-coral stands and an intact brain coral are the healthiest patches, though some massive colonies show pale patches of recent partial mortality. A blind Claude computer-vision point count puts coral cover around 13%.



CV model comparison (hard-coral cover, %): CoralSCOP edited 28.3 · Claude (edited photos) 12.5

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 42 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/st-lucia-pigeon-island.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 (Windward Caribbean Islands) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.