

## Announcement

**HEAT STRESS LEVELS  
PERSISTING IN  
OCTOBER IN THE  
LESSER ANTILLES,  
SOUTHERN BELIZE,  
HONDURAS, AND  
NICARAGUA, IS NOW  
DISSIPATING.**

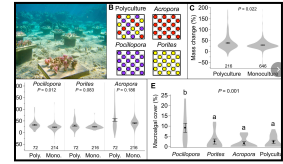


**REPORT CORAL  
BLEACHING  
OBSERVATIONS**

**Census of heat tolerance among Florida's  
threatened staghorn corals finds resilient  
individuals throughout existing nursery  
populations**

Ross Curnutt<sup>1,2</sup>, Katherine E. Parker, Kelley Johnson-Sapp, Richard F. Kora,  
Alexander D. Weir, Olivia M. Williamson, Erich Bartels, Martine D'Alessandro,  
David D. Gillen, Grace Hansen, Jessica Levy, Diego Lirman, Kerry Maxwell,  
Wyatt C. Miller, Alison L. Neundorfer, Amanda Moura, Erin M. Muller, Ken Neundorfer,  
Brian Reckert, Ruben van Hooidonk, Craig Dahlgren, Carly Kerkel, John E. Parkinson  
and Andrew C. Baker (see how authors...)  
Published 20 October 2021 <https://doi.org/10.1098/rspb.2021.1613>

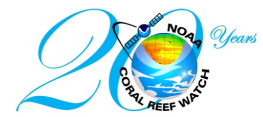
**LARGE-SCALE CENSUS OF  
CORAL HEAT TOLERANCE  
IN FLORIDA'S  
THREATENED STAGHORN  
CORALS**



**BIODIVERSITY HAS A  
POSITIVE BUT SATURATING  
EFFECT ON IMPERILED  
CORAL REEFS**

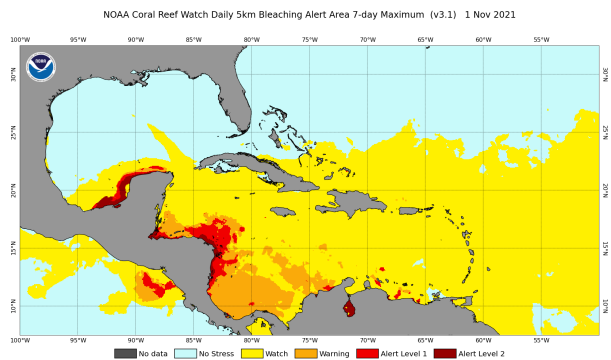


# CARIBBEAN CORAL REEF WATCH



## Notable Observations

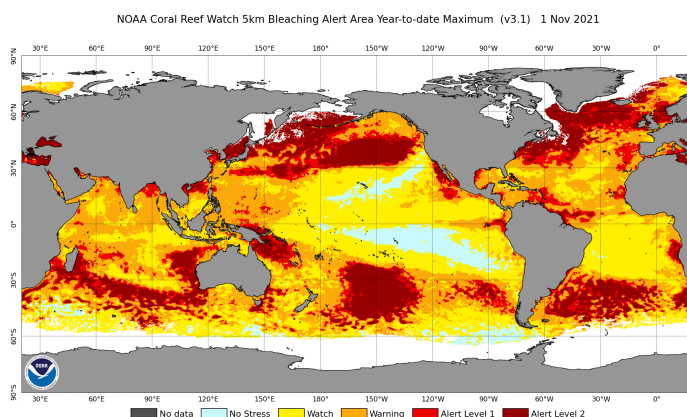
- ▶ The majority of the region is currently under Watch Alert Level conditions. S. Belize under Alert Level 2.
- ▶ The figure of Degree Heating weeks, [see here](#), suggest that even though things are cooling off, the accumulation of heat stress still poses a threat of coral reefs in the region, particularly in Belize, C. Bahamas, E. Coasts of the Leeward islands, Windward islands, and Trinidad and Tobago.



[Click here to track current conditions](#)

## Current Global Conditions

- ▶ Bleaching watch and warning alerts persist mainly throughout the Coral Triangle in southeast Asia, with patches around Australia and in the Pacific.
- ▶ Western FSM (Micronesia), Papua New Guinea, West Papua, and northern Sulawesi (Coral Triangle) under Alert Level 1. eastern FSM under Alert Level 2.

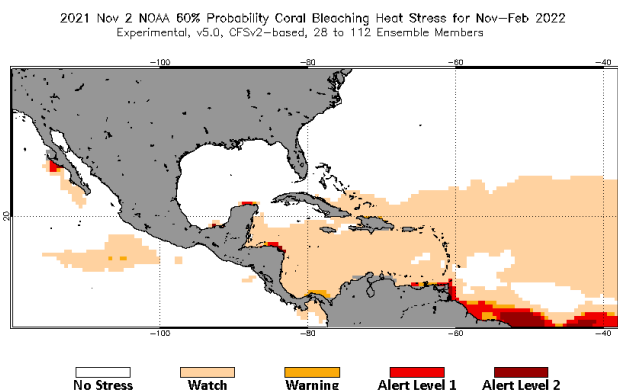


## Alert Level Guide

Alert Level	Interpretation
No Stress	No Thermal Stress
Watch	Low-level thermal stress
Warning	Thermal stress is accumulating
Alert level 1	Bleaching expected
Alert level 2	Widespread bleaching and some mortality expected

## Current Outlook (November-February 2021)

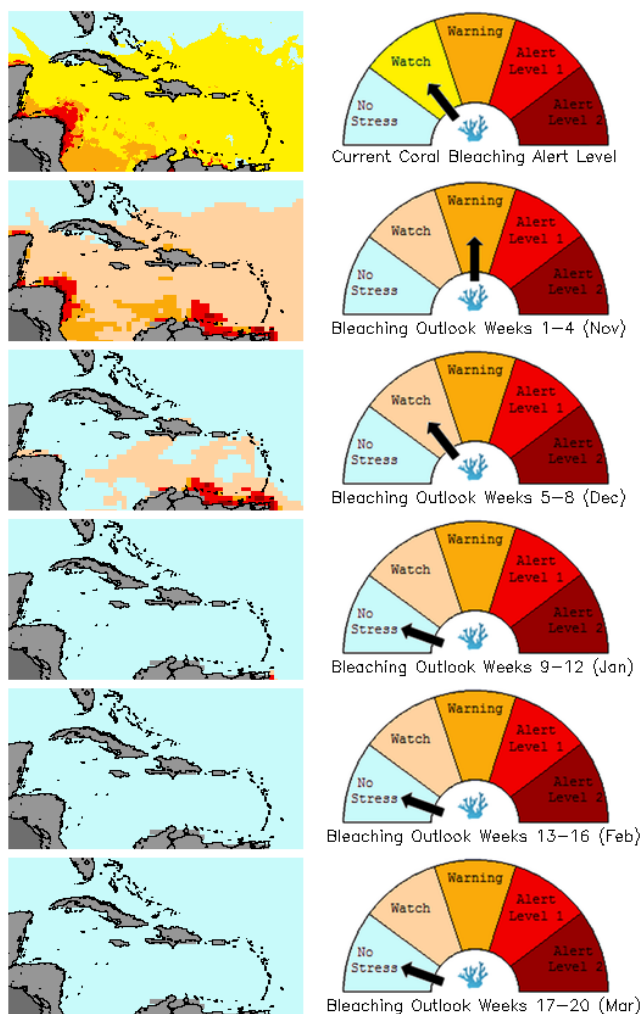
- 4-Month Outlook predicts that there will be no longer any heat stress in the region from January.



[Click here to track the 4-month bleaching outlook](#)

## Bleaching Alert Area and Outlook

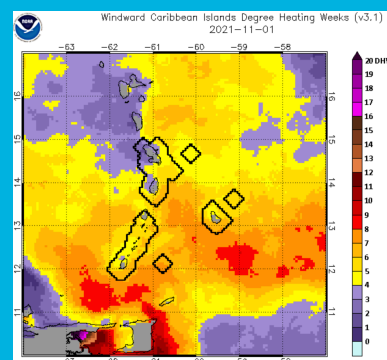
Caribbean Satellite Bleaching Alert Area and Outlook  
2021–10–31



## Caribbean Bleaching Outlook

The bleaching alert outlook for the Caribbean suggests that the Leeward Antilles could experience patches of Alert Level 1 conditions. Most of the Caribbean however, predicted to be under Watch Alert Level conditions up until December and then No Stress in January through March.

[View all 5-km Regional Virtual Stations here](#)



[Degree Heating Weeks for the Windward Islands](#)

[Click here for more information about the NOAA Coral Reef Watch methodology](#)

For more information contact:

Adrian Trotman  
atrotman@cimh.edu.bb

Courtney Forde  
cforde@cimh.edu.bb

Shontelle Stoute  
sstoute@cimh.edu.bb