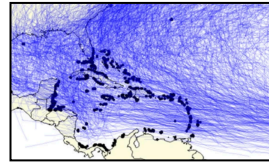


Announcement

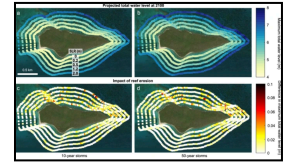
**ENTIRE REGION
EXPERIENCING ALERT
LEVEL 2 CONDITIONS.
ACCUMULATED HEAT
STRESS HAS REACHED
LEVEL ASSOCIATED WITH
WIDESPREAD BLEACHING
AND CORAL MORTALITY**



**PLEASE HELP NOAA
UNDERSTAND THE OCEAN
HEAT STRESS IMPACTS
CARIBBEAN WIDE BY
REPORTING CORAL
BLEACHING OBSERVATIONS**



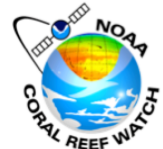
**DISTURBANCE
INTENSIFICATION IS ALTERING
THE TRAIT COMPOSITION OF
CARIBBEAN REEFS, LOCKING
THEM INTO A LOW
FUNCTIONING STATE**



**THE POTENTIAL FOR CORAL
REEF RESTORATION TO
MITIGATE COASTAL
FLOODING AS SEA LEVELS
RISE**

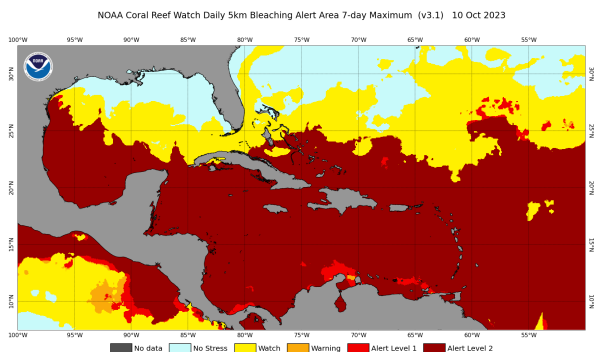


CARIBBEAN CORAL REEF WATCH



Notable Observations (As of Oct. 10)

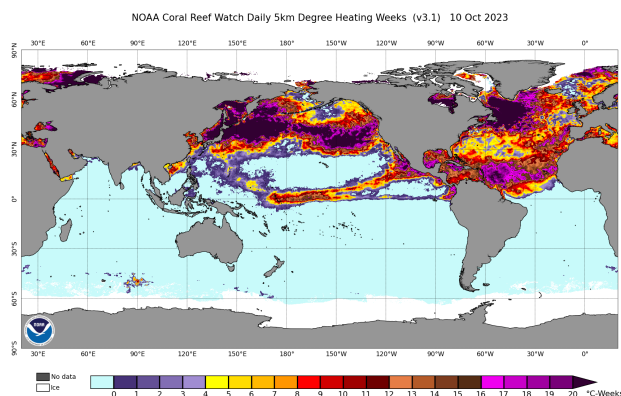
- Heat stress across the Caribbean basin has resulted in widespread Alert Level 2 conditions. In the Caribbean and NW. Atlantic, excluding Florida, the Flower Garden Banks (Texas), Bermuda, and the N. Bahamas, the entire region is under Alert Level 2. Severe Degree Heating Week (DHW) values of 12°C-weeks or greater are present across most of the Caribbean.
- ENSO Alert System Status: **El Niño Advisory!** El Niño is anticipated to continue through the Northern Hemisphere winter (with greater than 95% chance through January - March 2024). [Read more...](#)



Current Global Conditions

[Click here to track current conditions](#)

- Alert Level 2 conditions now present in the SW Gulf of Mexico, entire Caribbean basin (excluding Bermuda and the N. Bahamas), E. Pacific around Central America, Cape Verde Is., N. Line Is., Howland and Baker, Kiribati, Dongsha (Taiwan), Hong Kong, Hainan Is., Parcel Is., N. Vietnam, Yemen, Gulf of Tadjoura, Djibouti, Eritrea, Saudi Arabia, Sudan, and Al Madinah and Makkah.
- In the tropical coral reef regions, extremely high accumulated heat stress, with Degree Heating Week values of 16°C-weeks or greater, is present in the SW Gulf of Mexico, S. Cuba, Jamaica, Cayman Is., along the E. Coasts of multiple Leeward and Windward Is., in the E. Tropical Pacific around C. America, and in parts of the Red Sea and NW Persian Gulf, among others.

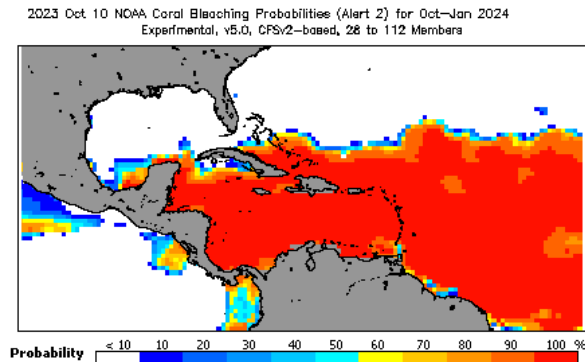


Alert Level Guide

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

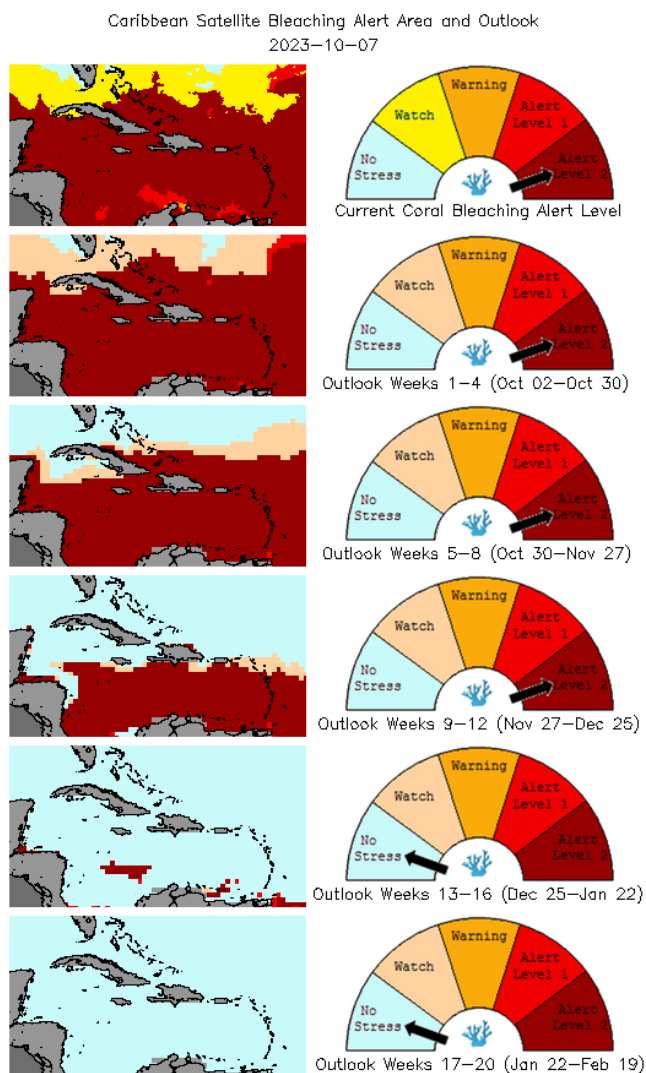
Current Outlook (October '23-January '24)

- Four-Month Outlook of Oct 10, 2023 indicates a high probability Bleaching Alert Level 2 conditions will continue throughout most of the Caribbean basin.



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

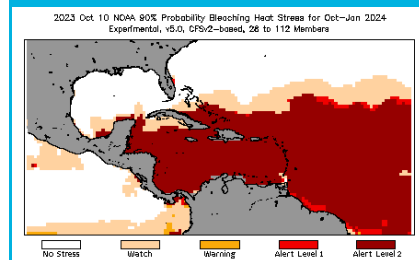
Bleaching Alert Area and Outlook



Caribbean Bleaching Outlook

The latest near real-time Outlook indicates the extensive Alert Level 2 conditions currently being experienced throughout the Greater Caribbean are expected to persist into November, and possibly early December 2023.

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



[2023 Oct 3 NOAA 90% Probability Coral Bleaching Heat Stress for Oct 2023-Jan 2024](#)

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

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