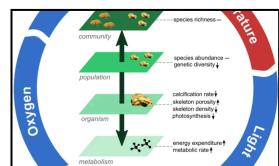


Announcement

SIGNIFICANT AND WIDESPREAD CORAL BLEACHING AND MORTALITY EXPECTED OVER THE FOLLOWING 2-3 MONTHS DUE TO EXTENSIVE AND EXTREME HEAT STRESS ACROSS THE REGION.



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



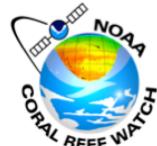
THE ROLE AND RISKS OF SELECTIVE ADAPTATION IN EXTREME CORAL HABITATS



BUILDING ENDURANCE TO BEAT THE HEAT: NEW STUDY PREPS CORALS FOR WARMING WATERS

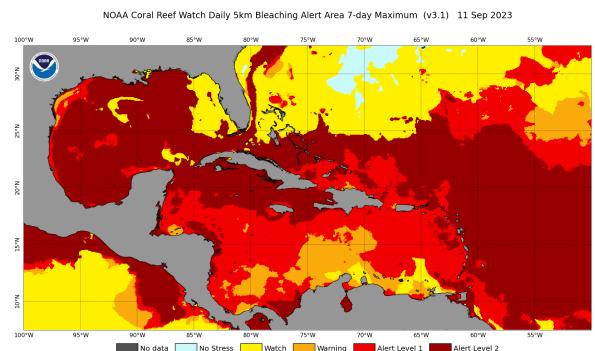


CARIBBEAN CORAL REEF WATCH



Notable Observations (As of Sep. 11)

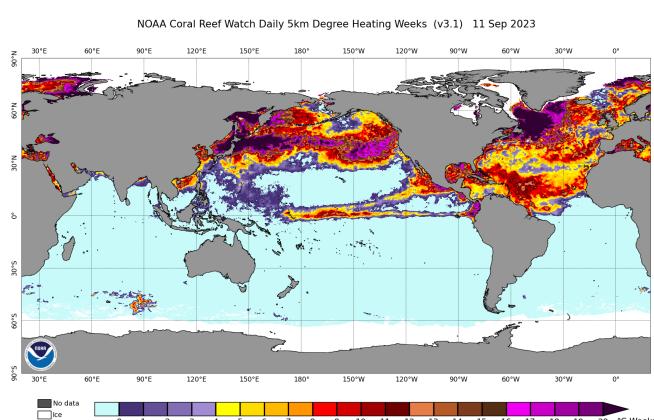
- Heat stress continues intensify and expand across the Caribbean basin. Alert Level 1 and 2 conditions are concentrated in the Gulf of Mexico, and around the Caribbean coasts of Central America, Central and Southern Bahamas, Cuba, Jamaica, the Cayman Is., Hispaniola, Puerto Rico, the Turks and Caicos, the US and British Virgin Is., the Leeward Is., the Windward Is., Barbados, and Trinidad and Tobago.
- ENSO Alert System Status: **El Niño Advisory!** El Niño is anticipated to continue through the Northern Hemisphere winter (with greater than 95% chance through December 2023 -February 2024). [Read more...](#)



[Click here to track current conditions](#)

Current Global Conditions

- Alert Level 1 and 2 (mostly Alert level 2) conditions persist along the coasts of most countries and territories in the Greater Caribbean (except for the N. Bahamas and Bermuda), as well as in the N. Atlantic; NW portion of the South China Sea; the Ogasawara Is.; the equatorial central Pacific; the E. Tropical Pacific, from Equator through S. Mexico; the N. Pacific; and the Red Sea and Persian Gulf
- 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 E. Tropical Pacific, from Ecuador through S. Mexico, and in Florida, SW Gulf of Mexico, C. and S. Bahamas, and S. Cuba.

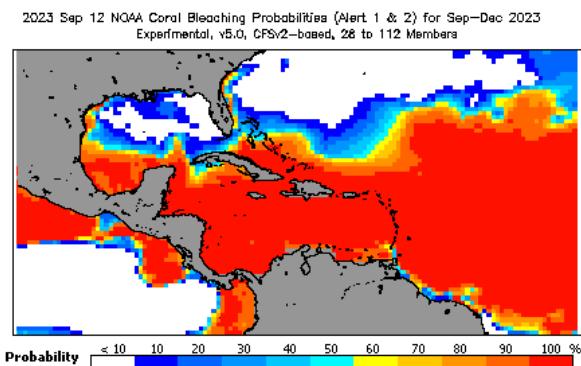


Alert Level Guide

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

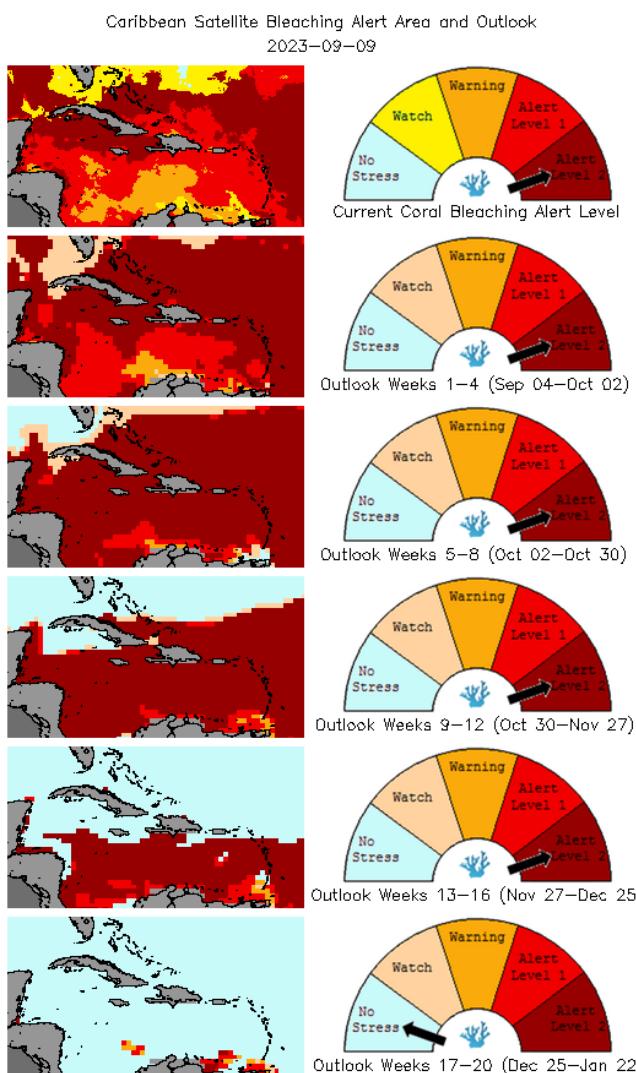
Current Outlook (September-December 2023)

- ▶ Four-Month Outlook of Sep 11, 2023 indicates a high probability Bleaching Alert Level 1 and 2 conditions will be reached throughout most of the Caribbean basin.



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

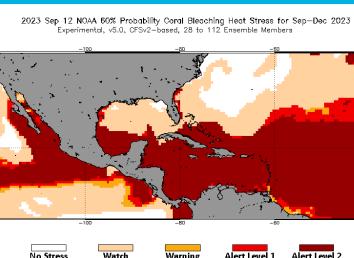
Bleaching Alert Area and Outlook



Caribbean Bleaching Outlook

The latest near real-time Outlook indicates extensive Alert Level 2 conditions are expected throughout the Greater Caribbean, from mid-September into November, and possibly early December 2023.

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



[2023 Sep 12 NOAA 60% Probability Coral Bleaching Heat Stress for Sep-Dec 2023](#)

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

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