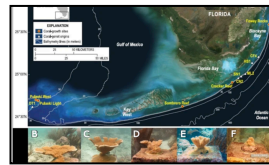


Announcement

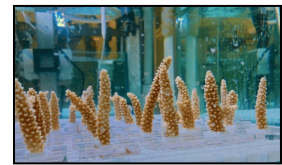
**SIGNIFICANT WARMING
THROUGHOUT THE
REGION WITH EL NIÑO
PRESENT AND EXPECTED
TO STRENGTHEN!
WIDESPREAD BLEACHING
AND MORTALITY
EXPECTED IN OCTOBER
AND NOVEMBER.**



REPORT CORAL BLEACHING OBSERVATIONS



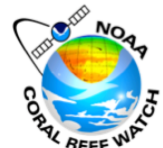
HETEROTROPHY, MICROBIOME, AND LOCATION EFFECTS ON RESTORATION EFFICACY OF ACROPORA PALMATA



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

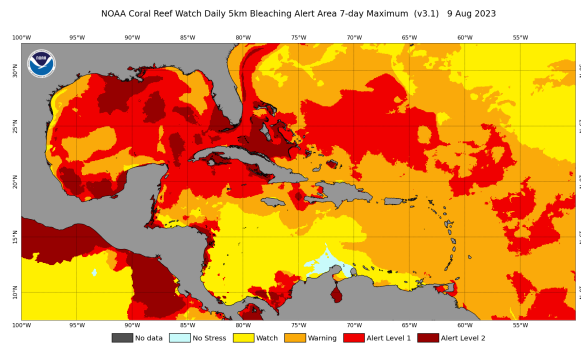


CARIBBEAN CORAL REEF WATCH



Notable Observations (As of Aug. 9)

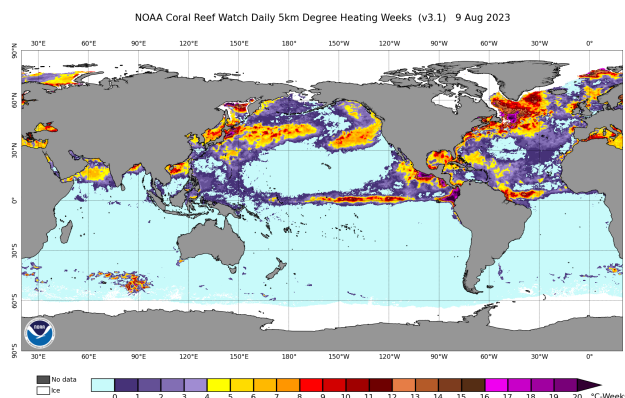
- Heat stress continues to range from Bleaching Watch to Alert Level 2 throughout the basin. Bahamas, Costa Rica, and Nicaragua, join Belize, Cuba, Colombia and Panama in experiencing Alert Level 2 conditions, while SW Hispaniola, Turks and Caicos, Cayman Islands, and Trinidad and Tobago are experiencing Alert Level 1 conditions.
- 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). There is confidence in a “strong” El Niño event, with roughly 2 in 3 odds of an event reaching or exceeding 1.5°C for the November-January seasonal average. [Read more...](#)



Current Global Conditions

[Click here to track current conditions](#)

- The highest degree heating weeks (DWHs) (>20°C-weeks) are concentrated in the Eastern Tropical Pacific, in conjunction with the strengthening El Niño and persistently higher-than-average SSTs in the region. In the Gulf of Mexico and Caribbean, DHWs around 16°C-weeks and greater are concentrated the W. Yucatan, W. Cuba
- Flower Garden Banks (Texas), Panama Pacific W., Northern Line Islands, Ogasawara Islands, Brunei Darussaleem, Sabah, W. Persian Gulf, W. Yemen, Eritrea, Al Madinah and Makkah, Gulf of Aqaba, and Gulf of Suez under Alert Level 1. Florida, most of Central America, Dongsha (Taiwan), China, N. Vietnam, Gulf of Oman, Gulf of Tadjoura (Djibouti), Tabuk (Saudi Arabia), and Egypt are at Alert Level 2.

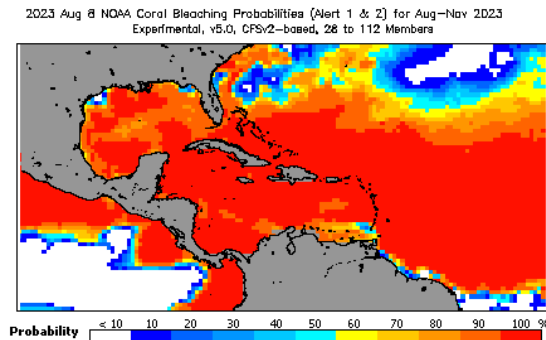


Alert Level Guide

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 (August-November 2023)

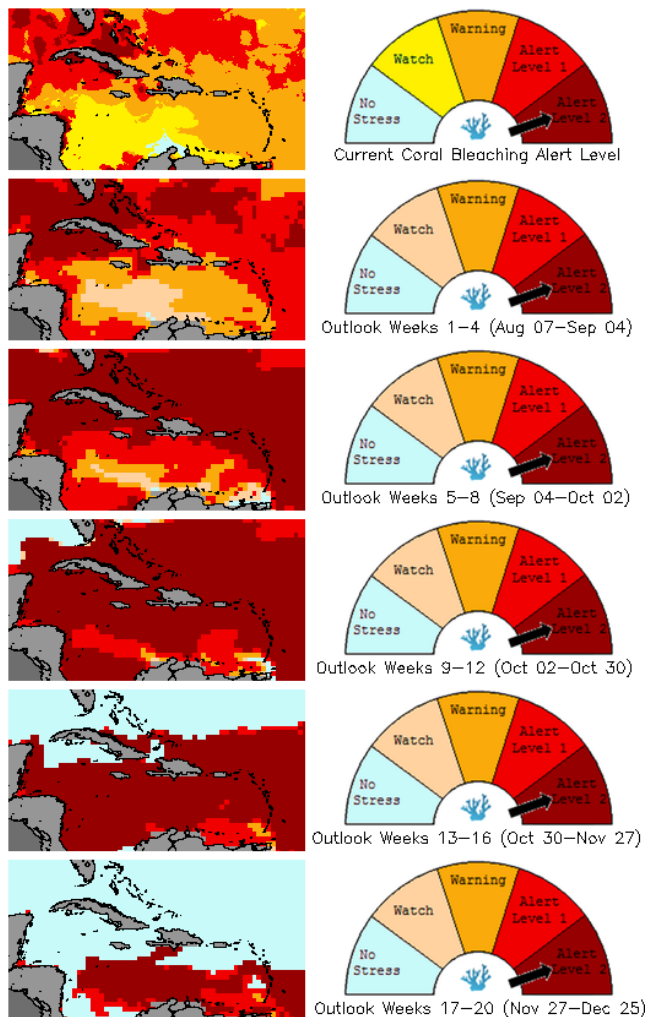
- Four-Month Outlook of Aug 8, 2023 indicates a high probability Bleaching Alert Level 1 and 2 conditions will be reached throughout most of the Caribbean basin, starting in the north and heading south.



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

Bleaching Alert Area and Outlook

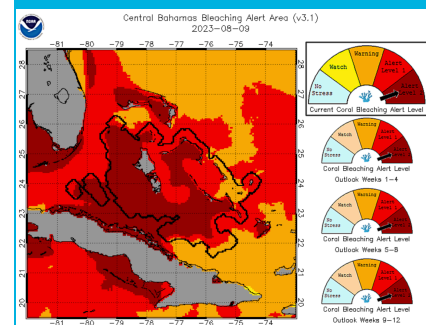
Caribbean Satellite Bleaching Alert Area and Outlook
2023-08-09



Caribbean Bleaching Outlook

The near real-time satellite Bleaching Alert Area of August 9th indicate extensive Alert Level 2 conditions are expected throughout the basin, from mid-September to late October, potentially persisting for multiple weeks into November.

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



Bahamas currently experiencing Alert Level 2 conditions; predicted to persist through Oct.

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

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