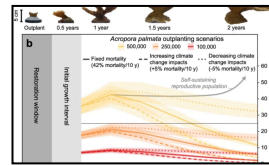


Announcement

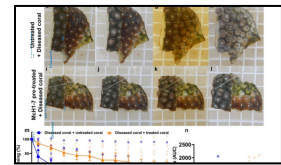
**SIGNIFICANT WARMING
THROUGHOUT THE
REGION WITH EL NIÑO
PRESENT AND EXPECTED
TO STRENGTHEN.
WIDESPREAD
BLEACHING PREDICTED
FOR THE 2023 SEASON.**



REPORT CORAL BLEACHING OBSERVATIONS



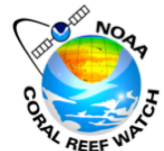
THE POTENTIAL FOR CORAL REEF RESTORATION TO MITIGATE COASTAL FLOODING AS SEA LEVELS RISE



CHEMICAL AND GENOMIC CHARACTERIZATION OF A POTENTIAL PROBIOTIC TREATMENT FOR STONY CORAL TISSUE LOSS

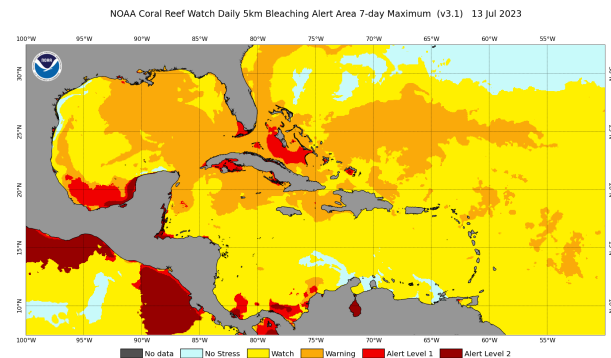


CARIBBEAN CORAL REEF WATCH



Notable Observations (As of July 13)

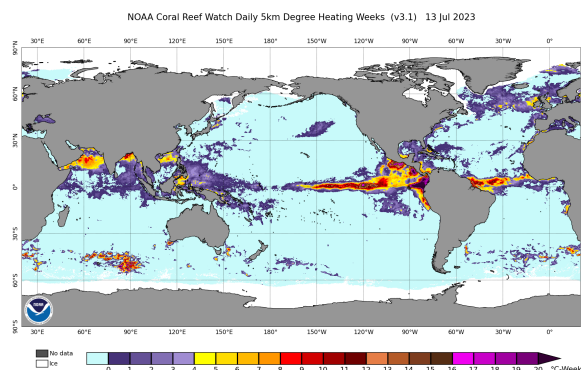
- Thermal stress conditions continue to range from Watch to Alert Level 2 throughout the region. Central Bahamas currently at Alert Level 1 while Belize experiencing Alert Level 2 conditions. SSTs in the Florida Keys are hotter than they have ever been in the satellite record (dating back to 1985) this early in the year.
- ENSO Alert System Status: **El Niño Advisory!** Strengthening of El Niño is expected through autumn, peaking during winter with moderate-to-strong intensity. An event that becomes "historically strong", rivalling the winters of 1997-1998 and 2015-2016, has an approximately 1 in 5 chance. [Read more...](#)



Current Global Conditions

[Click here to track current conditions](#)

- Alerts ranging from Bleaching Watch to Bleaching Alert Level 2 issued throughout the equatorial Pacific Ocean, W. N. Pacific Ocean, E., S., and SE Asia, the Coral Triangle, and the Middle East
- Florida Keys, Veracruz, W. Cuba, Columbia, Panama Atlantic E., Hong Kong, Hainan Is., Parcel Is., N. Vietnam, Brunei Darussalam, much of the Philippines, Gulf of Tadjoura, Jazan, and Gulf of Kutch under Alert Level 1. Yucatan Peninsula, Panama Atlantic W. and Pacific E., Quintana Roo, Costa Rica Pacific, Galapagos, N. Myanmar, Sabah, and Gulf of Oman under Alert Level 2.

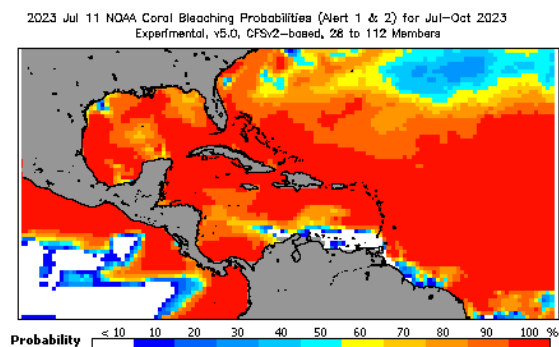


Alert Level Guide

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 (July-October 2023)

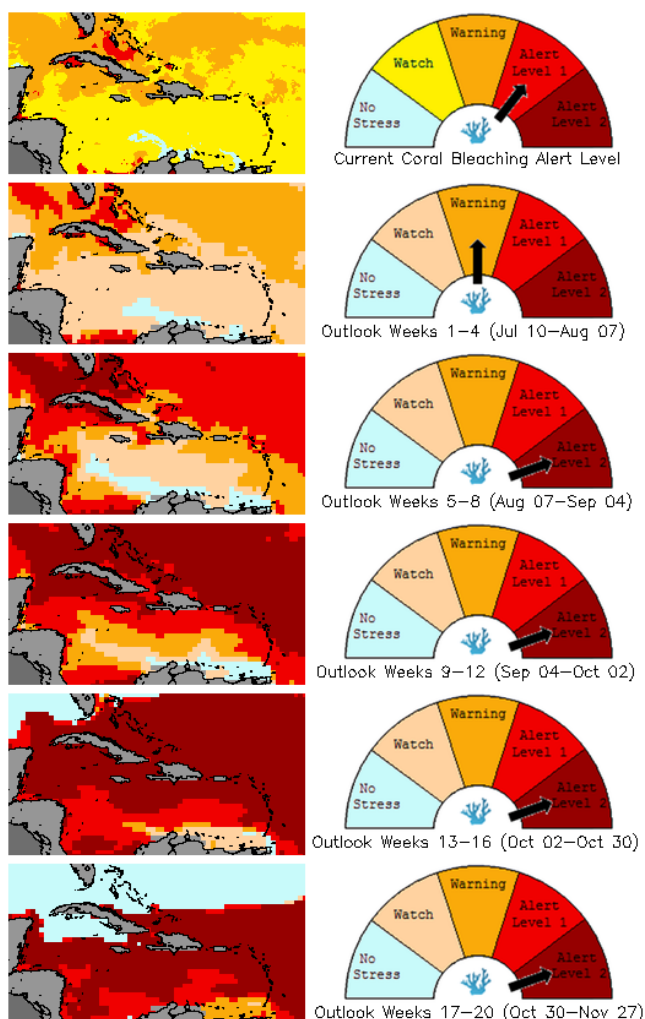
- 4-Month Outlook of July 11, 2023 indicates a high probability that Bleaching Alert Level 1 and 2 conditions will be reached throughout most of the Caribbean basin, starting in the north and heading south.



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

Bleaching Alert Area and Outlook

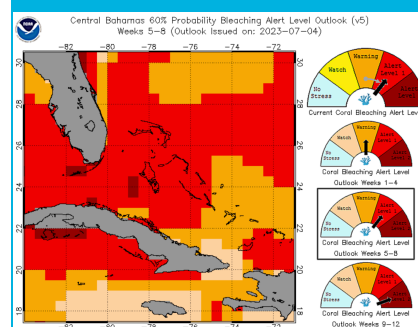
Caribbean Satellite Bleaching Alert Area and Outlook
2023-07-13



Caribbean Bleaching Outlook

The near real-time satellite Bleaching Alert Area of July 13 and modelled 4-Month Outlook of July 11 for the Caribbean both indicate extensive Alert Level 1 and 2 conditions are expected throughout the basin, from mid-Aug to late Sep, potentially persisting for multiple weeks into Oct and Nov.

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



[Bahamas predicted to experience Alert Level 1 conditions from August](#)

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

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