

## Announcement

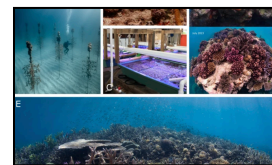
**NOTE THE REVISED CORAL BLEACHING HEAT STRESS CATEGORY SYSTEM SHOWN IN THE ALERT LEVEL GUIDE. THE REGIONAL VIRTUAL STATIONS ARE CURRENTLY BEING UPDATED TO INCLUDE THE NEW CATEGORIES.**



**REPORT CORAL BLEACHING OBSERVATIONS**



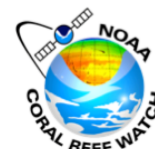
**NOAA CONFIRMS 4TH GLOBAL CORAL BLEACHING EVENT**



**RESTORATION AS A MEANINGFUL AID TO ECOLOGICAL RECOVERY OF CORAL REEFS**

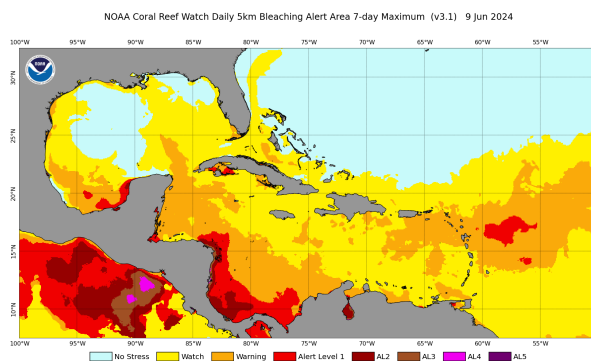


# CARIBBEAN CORAL REEF WATCH



## Notable Observations (As of June 9)

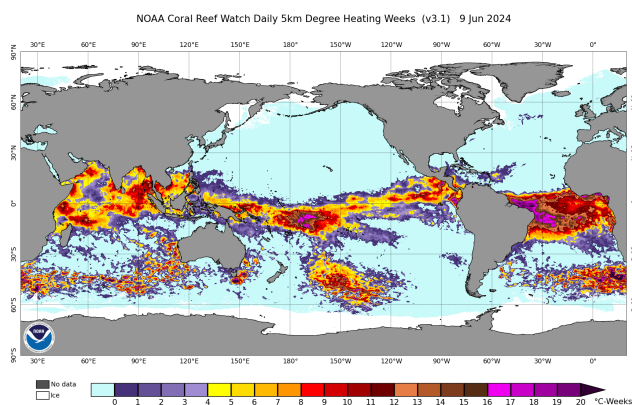
- ▶ Bleaching Alert-level 2 conditions are present in the SW Caribbean along Costa Rica, Panama, and Nicaragua. Bleaching Alert-level 1 is present along the Yucatan Peninsula (Mexico), S. Belize, E. Panama, a stretch of Columbia, and SW Cuba. A Bleaching Warning persists in the NW and SE Cuba, the Cayman Islands, Puerto Rico, the US Virgin Islands, British Virgin Islands, Leeward islands, Nearshore Venezuela, La Guajira (Colombia), Honduras, and a large portion of S. Mexico.



[Click here to track current conditions](#)

## Current Global Conditions (As of June 9)

- ▶ The most extreme accumulated heat stress (Degree Heating Weeks [DHW]  $\geq 16^{\circ}\text{C}$ -weeks; Alert Level 4 or higher), is active at coral reef sites in the west-central equatorial Pacific Ocean. Alert Levels 1-5 heat stress are present at the following NOAA CRW Regional Virtual Stations: Yucatan Peninsula, ~ 28% of Caribbean stations, ~ 43% of Eastern Pacific, Tuvalu, the Northern Cook Is., Nauru, Phoenix Is. (Kiribati), ~ 52% of the Coral Triangle, 20% of East Asia, ~74% of other SE. Asia, ~ 32% of the Middle East, and ~ 30% of S. Asia. Heat stress has dissipated along Brazil, in the W. Indian Ocean, along the Great Barrier Reef (Australia), and in W. Australia.

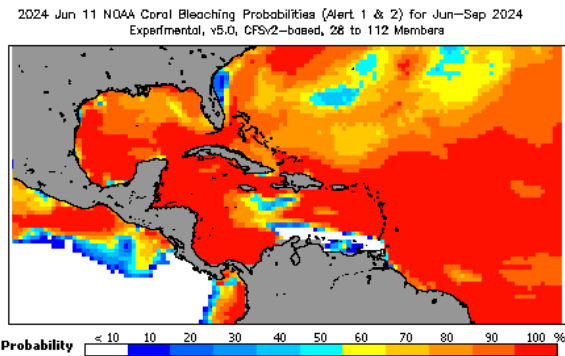


## Alert Level Guide

Stress Level	Interpretation
No Stress	No Bleaching
Watch	
Warning	Risk of Possible Bleaching
Alert Level 1	Risk of Reef-Wide Bleaching
Alert Level 2	Risk of Reef-Wide Bleaching with Mortality of Heat-Sensitive Corals
Alert Level 3	Risk of Multi-Species Mortality
Alert Level 4	Risk of Severe, Multi-Species Mortality (> 50% of corals)
Alert Level 5	Risk of Near Complete Mortality (> 80% of corals)

## Caribbean Outlook (June-September 2024)

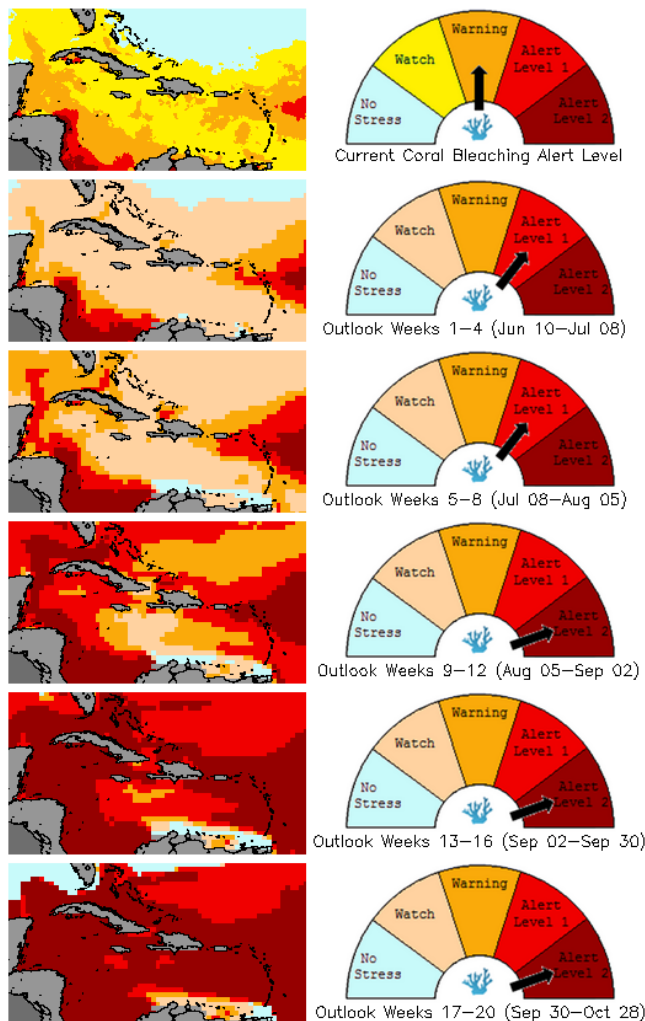
- ▶ 4-Month Probabilistic Outlook of June 11 predicts, with a high probability, that heat stress will reach/exceed Alert Levels 1 & 2 throughout most of the Caribbean basin and Gulf of Mexico, and in the Florida Keys, SE. Florida, and Turks and Caicos.



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

## Bleaching Alert Area and Outlook

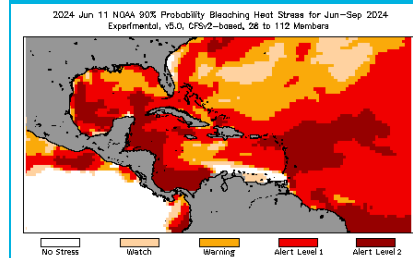
Caribbean Satellite Bleaching Alert Area and Outlook  
2024-06-10



## Caribbean Bleaching Outlook

As of 11 June, 2024, NOAA CRW's 4-Month Coral Bleaching Outlook (90% probability) indicates that Bleaching Alert-level 1 and higher heat stress, already present in the W. And SW. Caribbean and east of the Leeward Is., will expand into other areas of the basin in the next month, encompass most of the basin in 5-8 weeks' time, and remain until the end of the forecast period. NOTE: alerts are not uniform across the basin.

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



[4-month Coral Bleaching Outlook \(90% probability\)](#)

[4-month Coral Bleaching Outlook \(60% probability\)](#)

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

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