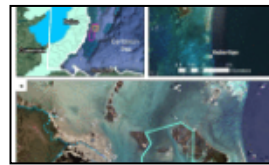


Announcement

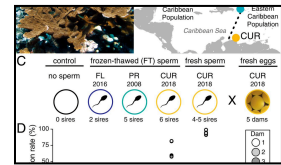
**SEVERE HEAT STRESS
PREDICTED IN
OCTOBER FOR THE
WINDWARD AND
LEEWARD IS. AND
FORECASTED TO
PERSIST INTO
DECEMBER.**



**REPORT CORAL
BLEACHING
OBSERVATIONS**



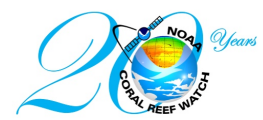
**WHAT'S KILLING CORAL
REEFS IN FLORIDA IS ALSO
KILLING THEM IN BELIZE**



**ASSISTED GENE FLOW
USING CRYOPRESERVED
SPERM IN CRITICALLY
ENDANGERED CORAL**

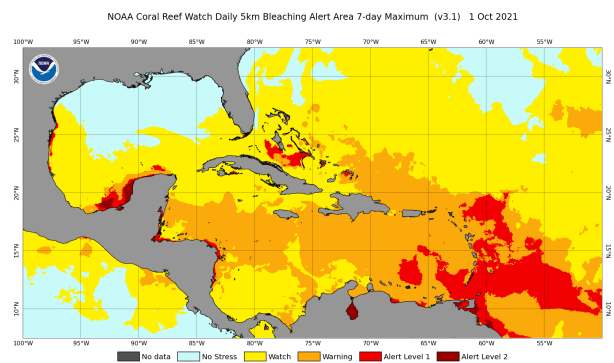


CARIBBEAN CORAL REEF WATCH



Notable Observations

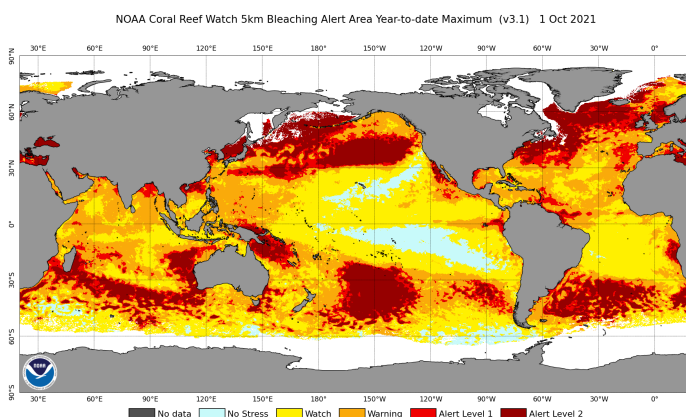
- ▶ The entire Windward Islands are under an Alert Level 1. Belize, C. Bahamas, Barbuda, and Dominica also experiencing Alert Level 1 conditions. SE Trinidad currently under alert level 2, with bleaching reported.
- ▶ Strong warming in and around the Caribbean region during the warmest month of the year (September) has led to SSTs currently being around 1C above average.



[Click here to track current conditions](#)

Current Global Conditions

- ▶ Bleaching watch and warning alerts persist mainly throughout southeast Asia and the middle east.
- ▶ Cape Verde Is., Venezuela, Honduras, Quintana Roo, W. And E. FSM (Micronesia) under Alert Level 1. Yucatan Peninsula, S. Taiwan and Dongsha, Hainan Is. and Hong Kong, N. Vietnam, and Ogasawara Is. (Southeast Asia) under Alert Level 2.

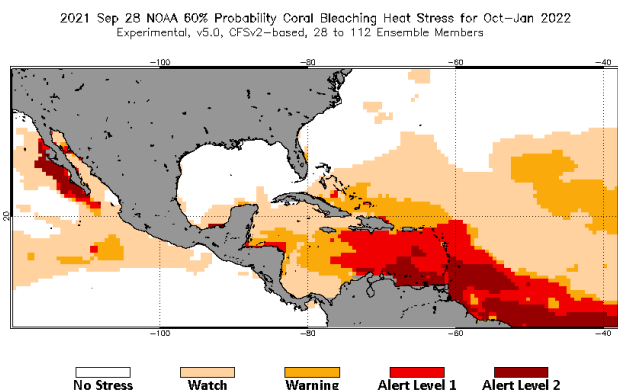


Alert Level Guide

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 (October-January 2021)

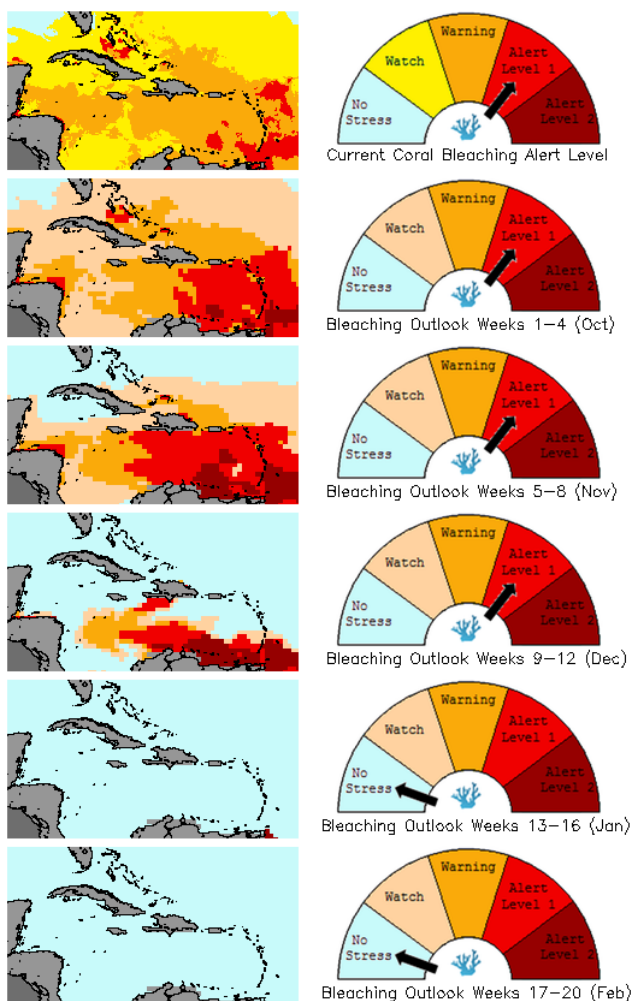
- 4-Month Outlook predicts the highest heat stress in the southeastern Caribbean from Oct to Dec.



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

Bleaching Alert Area and Outlook

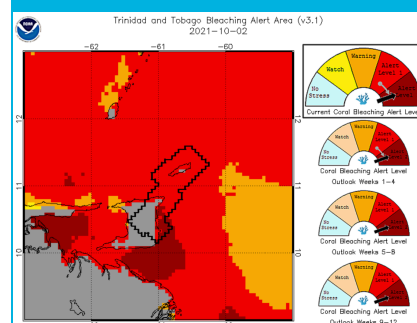
Caribbean Satellite Bleaching Alert Area and Outlook
2021-09-30



Caribbean Bleaching Outlook

The bleaching alert outlook for the Caribbean forecasts St. Lucia, St. Vincent and the Grenadines, Barbados, and Tobago to be under Alert Level 2 conditions in Nov., persisting into Dec. S. Hispaniola and Puerto Rico, and the Leeward Is. predicted to experience Alert Level 1 conditions in November.

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



[Eastern and southern Trinidad experiencing Alert Level 2 conditions](#)

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

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