

# CariCOF Drought Outlook

By the end of June 2023

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## Participating territories

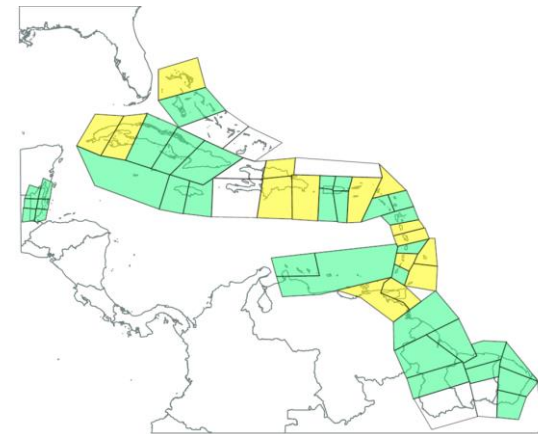
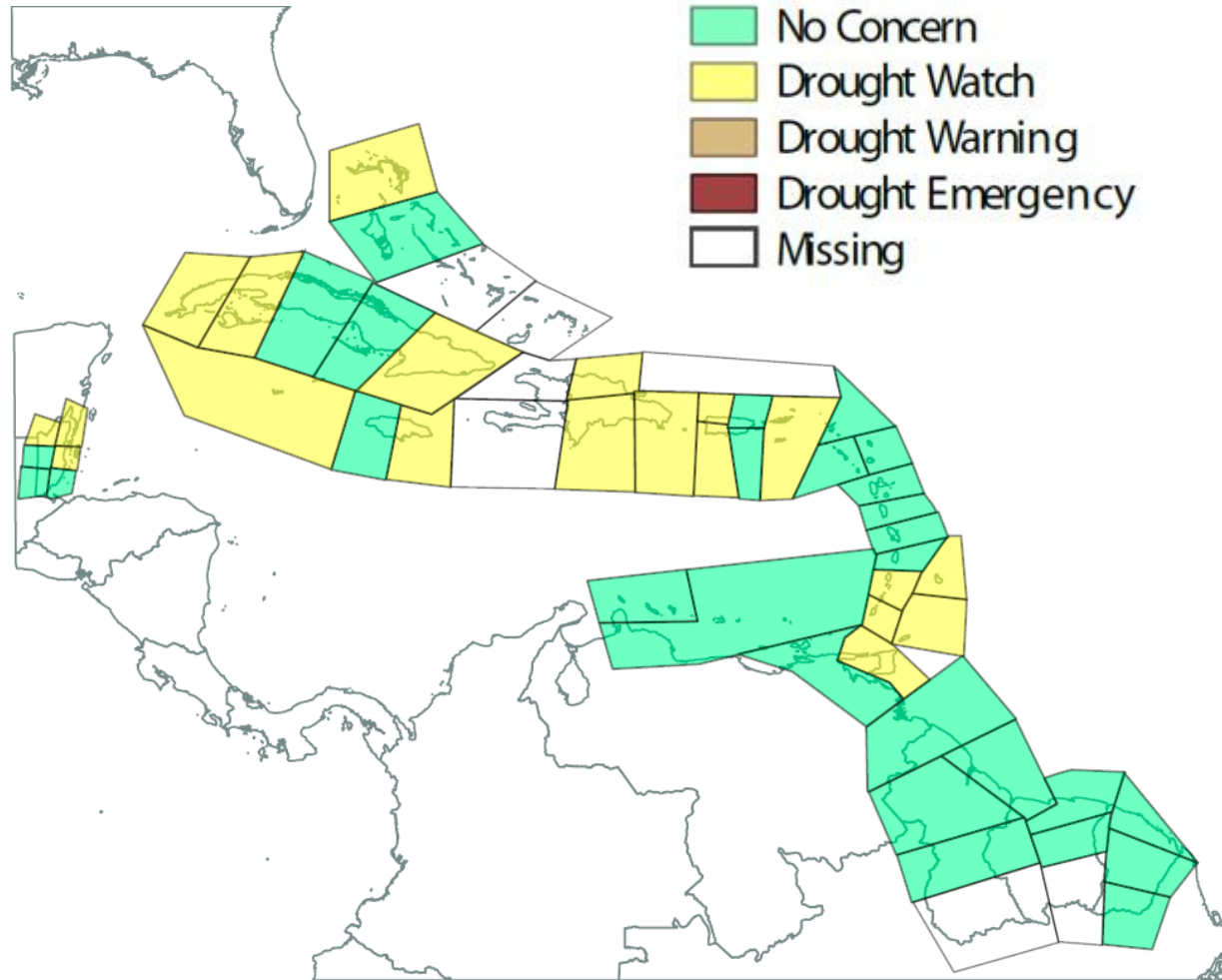
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haiti, Jamaica, Martinique, Puerto Rico, St. Barts, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname, Trinidad & Tobago and the US Virgin Islands



# What is the predicted short term drought concern by the end of June 2023?

## Current update (March 2023):

- We are now in the Caribbean dry season.
- A **drought watch** should be considered for the Northern Bahamas, Barbados, northern Belize, Grand Cayman, Eastern and Western Cuba, Dominican Republic, Grenada, eastern Jamaica, western Puerto Rico, St. Vincent, Trinidad and Tobago, and the USVI.



Previous update (February):  
short term drought alert levels  
at the end of May 2023

## Short term drought alert levels at the end of June 2023

(updated March 2023 – based on a 6-month SPI for January to June 2023)

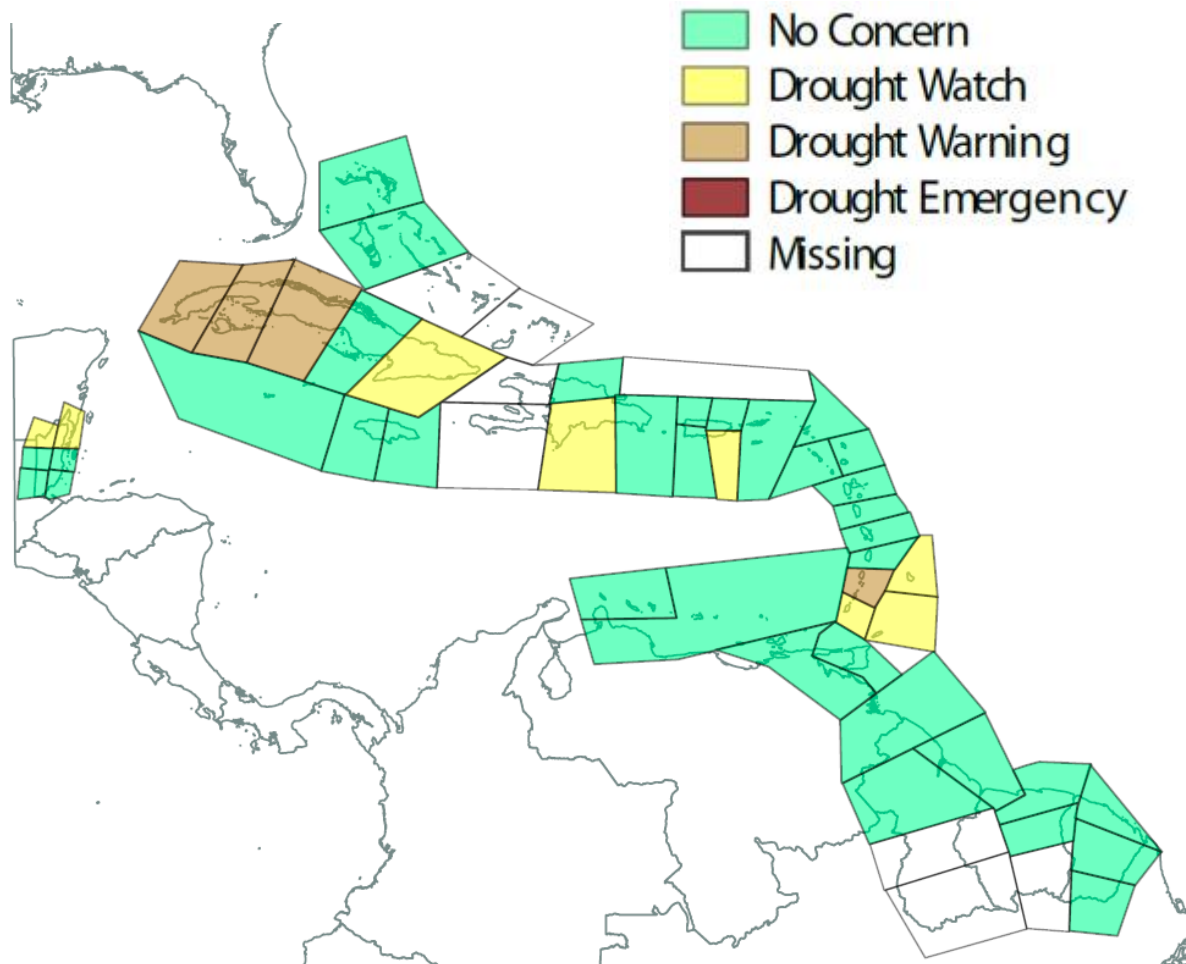
[caricof@cimh.edu.bb](mailto:caricof@cimh.edu.bb)

For climate information specific to your country, please consult with your national meteorological service. *CariCOF outlooks speak to recent and expected climate trends across the Caribbean in general.*

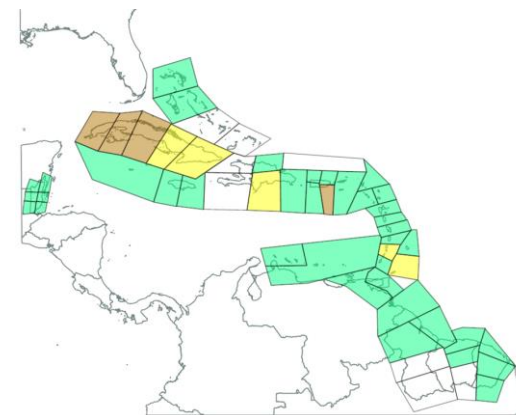


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CARIBBEAN CLIMATE OUTLOOK FORUM

# What is the predicted long term drought concern at the end of May 2023?



- This 12-month SPI-based drought outlook uses observations through February 2023, with potential impacts on large surface water reservoirs and groundwater. In general, impacts are expected if the 12-month SPI is  $\leq -0.8$  (*moderately dry or worse* – ref.: CDPMN).
- A **drought warning** should be considered for Central and Western Cuba, and St. Vincent.
- A **drought watch** should be considered for Barbados, northern Belize, Eastern Cuba, southern Dominican Republic, Grenada, and Tobago.



Previous update (February): long term drought alert levels at the end of May 2023

## Long term drought alert levels at the end of May 2023

(updated March 2023 – based on a 12-month SPI for June 2022 to May 2023)

For climate information specific to your country, please consult with your national meteorological service. *CariCOF* outlooks speak to recent and expected climate trends across the Caribbean in general.

# Drought outlook – shorter-/longer-term concern?

- Current drought situation (up to the end of February 2023): *(more information [here](#))*
  - Severe (or worse) short term drought has developed in southeast Cuba, eastern Dominican Republic, Haiti, and Jamaica.
  - Severe (or worse) long term drought has developed in Haiti, and Saint Vincent.
- Short-term drought situation (by the end of June 2023):
  - Short term drought might possibly develop in the Northern Bahamas, Barbados, northern Belize, Grand Cayman, Eastern and Western Cuba, Dominican Republic, Grenada, eastern Jamaica, western Puerto Rico, St. Vincent, Trinidad and Tobago, and the USVI.
- Long-term drought situation (by the end of May 2023):
  - Long term drought is evolving across Central and Western Cuba, and St. Vincent.
  - Long term drought might possibly develop or continue in Barbados, northern Belize, Eastern Cuba, southern Dominican Republic, Grenada, and Tobago.
  - Areas ending up in long term drought by the end of May are likely to experience lower than usual water levels in large reservoirs, large rivers and groundwater.

*\* We advise all stakeholders to keep monitoring drought and look for our monthly updates.\**

**CONTINUE TO MONITOR &  
CONSERVE WATER !!**



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