

# CariCOF Drought Outlook

By the end of April 2023

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## Participating territories

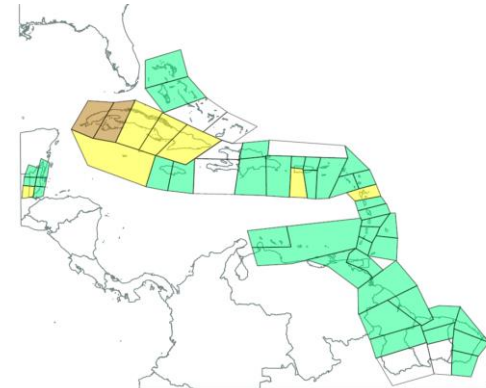
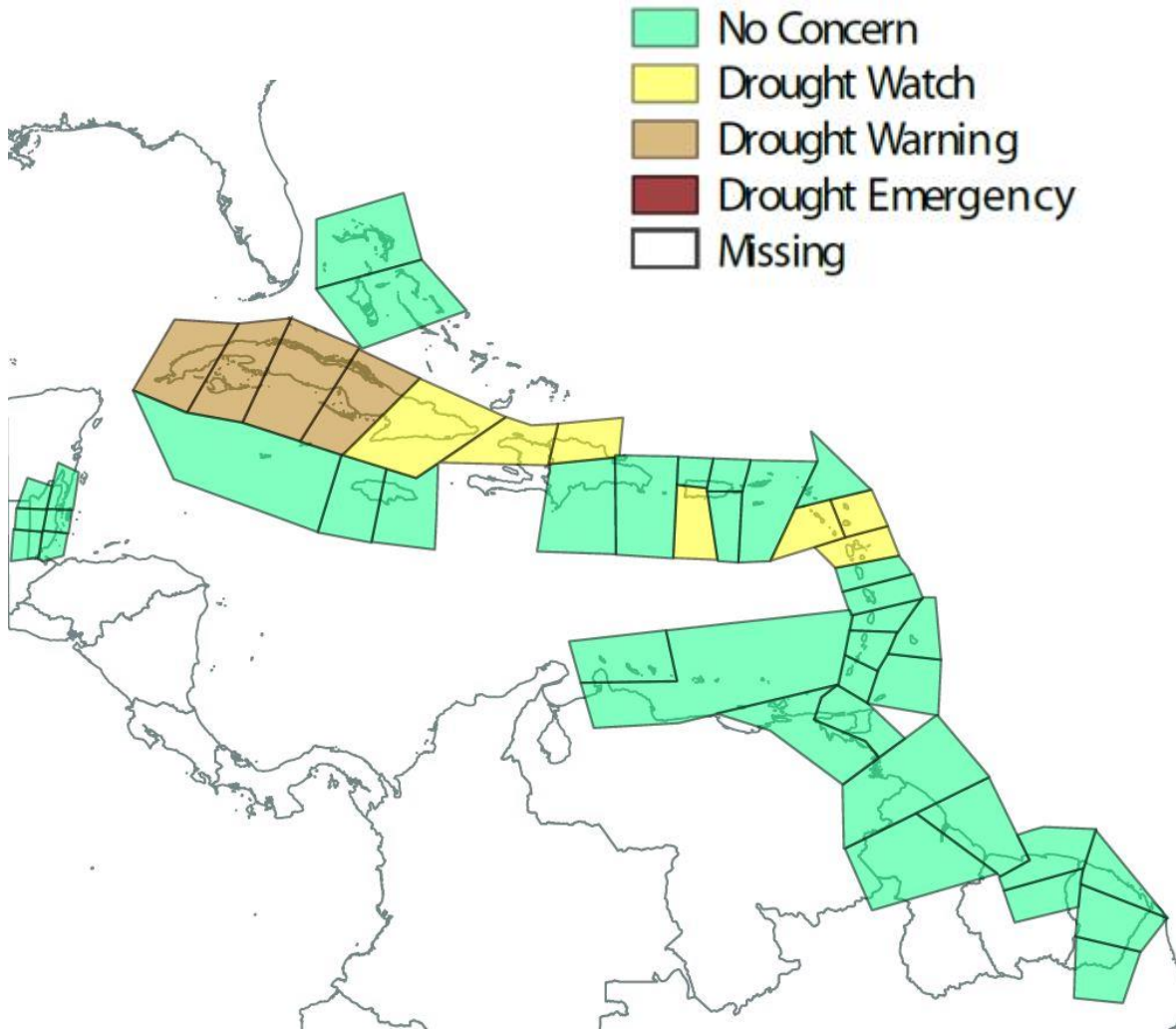
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haïti, Jamaica, Martinique, Puerto Rico, St. Barts, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname,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



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

## Current update (January 2023):

- We are now in the Caribbean dry season, but the secondary wet season in the coastal Guianas.
- A **drought warning** should be considered for Western Cuba.
- A **drought watch** should be considered for Antigua, Eastern Cuba, Guadeloupe, northern Hispaniola, southwest Puerto Rico, and St. Kitts.



Previous update (December):  
short term drought alert levels  
at the end of March 2023

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

(updated January 2023 – based on a 6-month SPI for November to April 2022-'23)

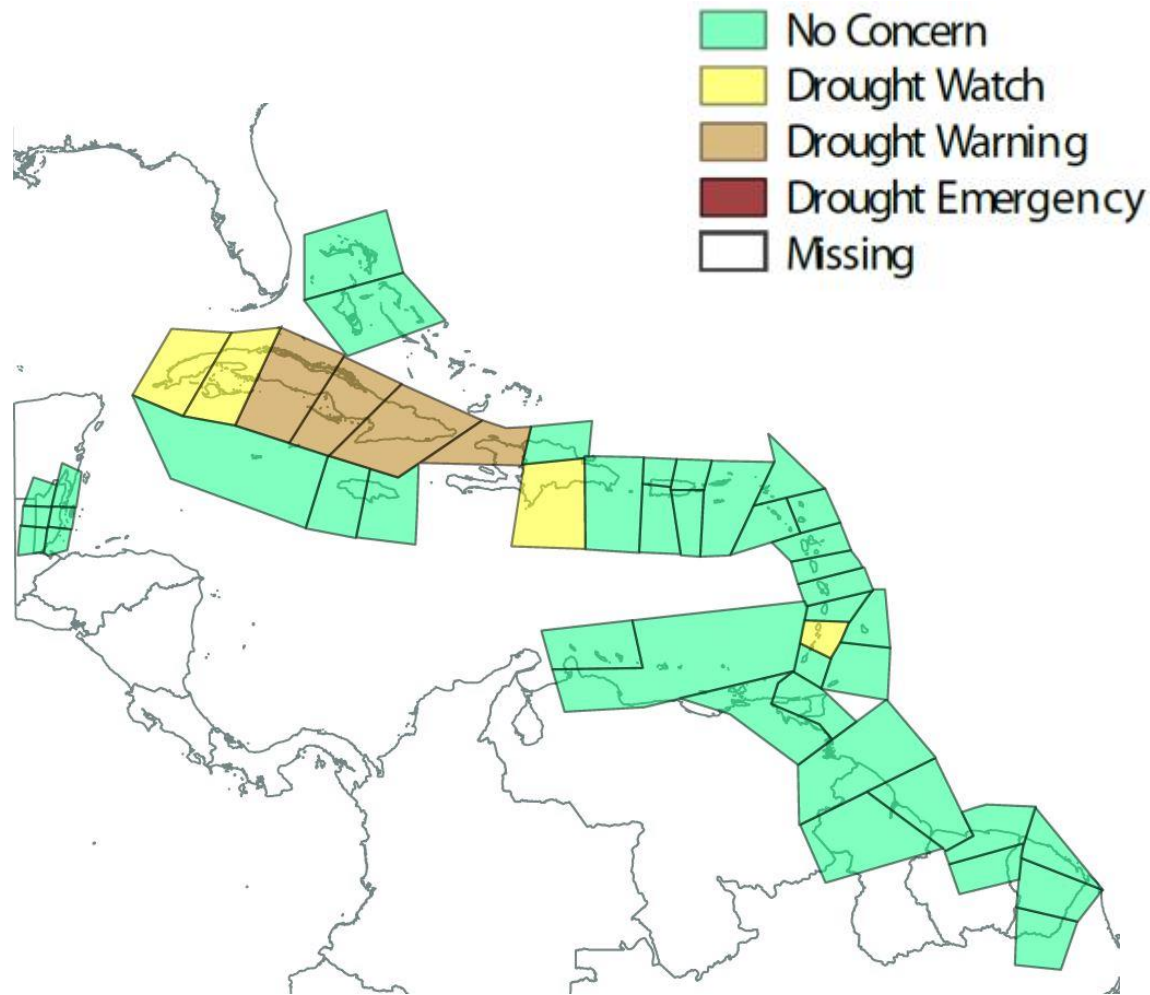
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For climate information specific to your country, please consult with your **national meteorological service**. *CariCOF outlooks speak to recent and expected climate trends across the Caribbean in general.*



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



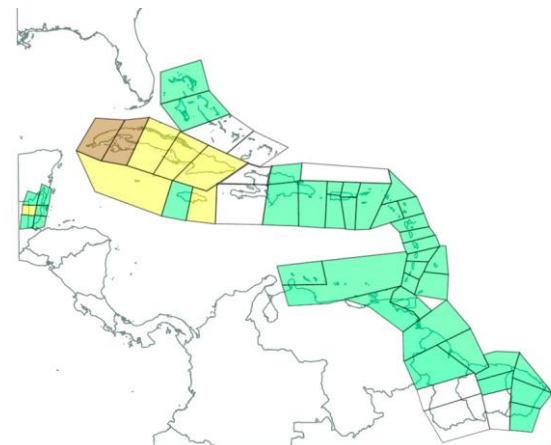
## Long term drought alert levels at the end of May 2023

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

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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.

- This 12-month SPI-based drought outlook uses observations through December 2022, 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 Eastern Cuba.
- A **drought watch** should be considered for Western Cuba, Dominican Republic, and St. Vincent.



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



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

- Current drought situation (up to the end of December 2022): *(more information [here](#))*
  - Moderate (or worse) short term drought has developed in Cuba and eastern and southern Jamaica.
  - Moderate (or worse) long term drought has developed in Cuba, eastern and southern Jamaica, and northern Suriname.
- Short-term drought situation (by the end of March 2023):
  - Short term drought is evolving across Western Cuba.
  - Short term drought might possibly develop in Antigua, Eastern Cuba, Guadeloupe, northern Hispaniola, southwest Puerto Rico, and St. Kitts.
- Long-term drought situation (by the end of May 2023):
  - Long term drought is evolving across Central and Eastern Cuba.
  - Long term drought might possibly develop or continue in western Cuba, Dominican Republic, and St. Vincent.
  - 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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