

# CariCOF Drought Outlook

By the end of August 2024

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## Participating territories

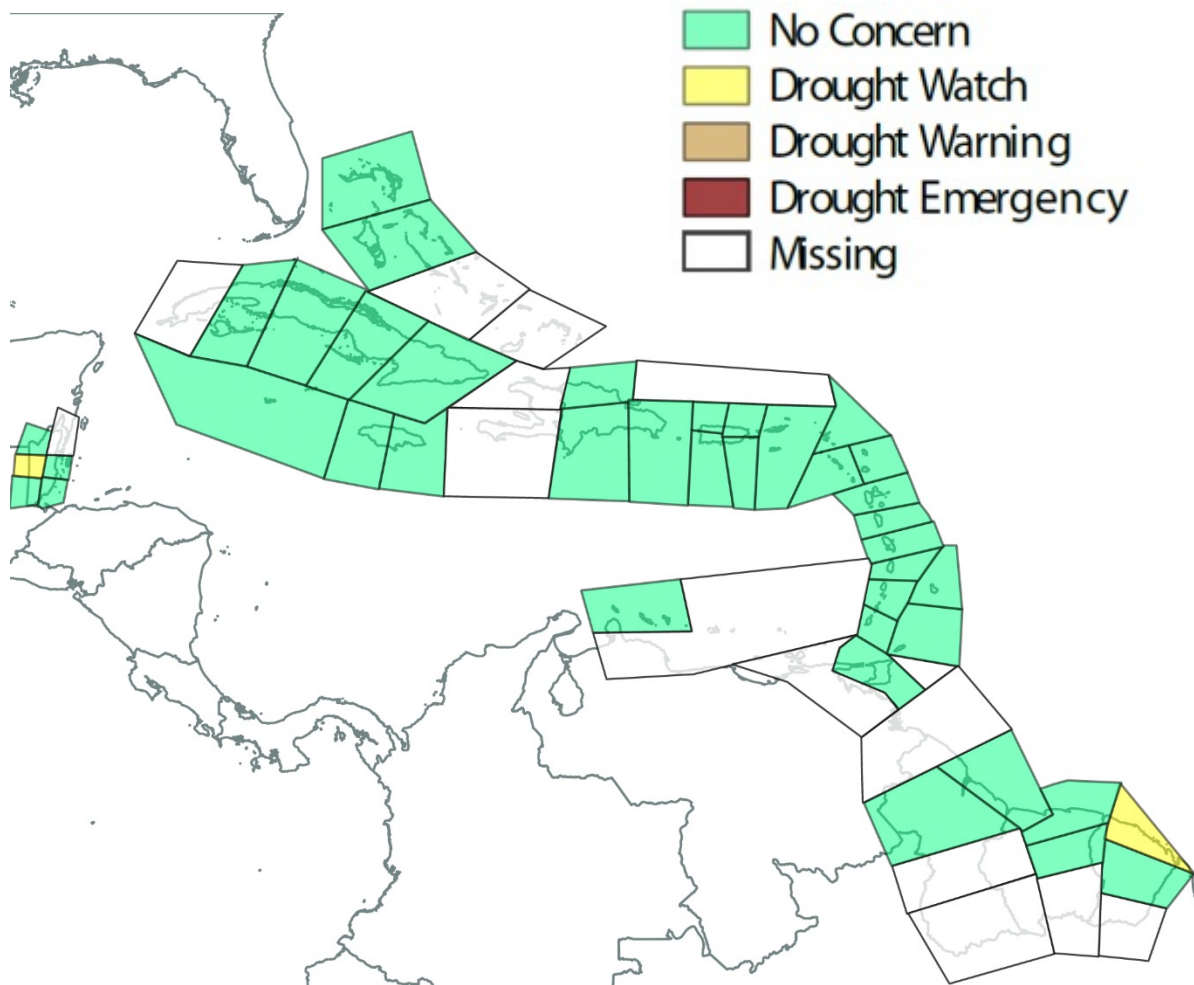
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haiti, Jamaica, Martinique, Puerto Rico, St. Barts, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname,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



# What is the predicted short term drought concern by the end of August 2024?

## Current update (May 2024):

- We are entering the Caribbean wet season.
- A **drought watch** should be considered for western Belize and northern French Guiana.



## Short term drought alert levels at the end of August 2024

(updated May 2024 – based on a 6-month SPI for March to August 2024)

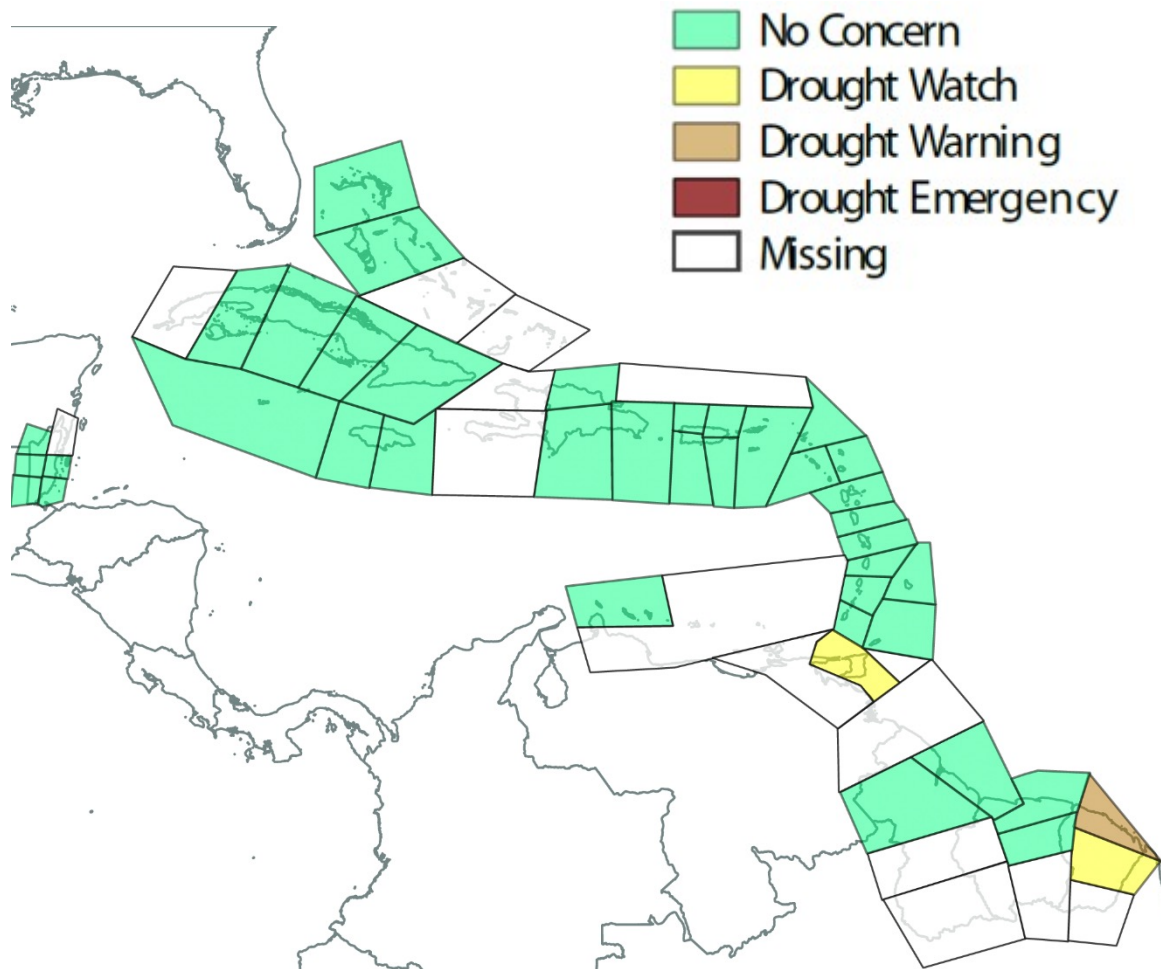
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For climate information specific to your country, please consult with your national meteorological service. *CariCOF outlooks speak to recent and expected climate trends across the Caribbean in general.*



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# What is the predicted long term drought concern at the end of November 2024?



- This 12-month SPI-based drought outlook uses observations through April 2024, with potential impacts on large surface water reservoirs and groundwater. In general, impacts are expected if the 12-month SPI is  $\leq -1.3$  (*severely dry or worse* – ref.: CDPMN).
- A **drought warning** should be considered for northern French Guiana.
- A **drought watch** should be considered for central French Guiana and Trinidad.

## Long term drought alert levels at the end of November 2024

(updated May 2024 – based on a 12-month SPI for December 2023 to November 2024)

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

- Current drought situation (up to the end of April 2024): *(more information [here](#))*
  - Severe (or worse) short-term drought has developed for Belize, Martinique, eastern French Guiana, northern Guyana, and Suriname
  - Severe (or worse) long term drought has developed in central Cuba, eastern French Guiana, Guadeloupe, northern Guyana, Trinidad, and Suriname.
- Short-term drought situation (by the end of August 2024):
  - Short term drought might possibly develop in western Belize and northern French Guiana.
- Long-term drought situation (by the end of November 2024):
  - Long term drought is evolving in northern French Guiana.
  - Long term drought might possibly develop or continue in central French Guiana and Trinidad.
  - Areas ending up in long-term drought by the end of November are likely to experience lower than usual water levels in large reservoirs, large rivers and groundwater in the ensuing dry season.

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

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

ALERT LEVEL	MEANING	ACTION LEVEL
<b>NO CONCERN</b>	No drought concern	<ul style="list-style-type: none"> <li>✓ <b>monitor resources</b></li> <li>✓ update and ratify management plans</li> <li>✓ public awareness campaigns</li> <li>✓ upgrade infrastructure</li> </ul>
<b>DROUGHT WATCH</b>	Drought possible	<ul style="list-style-type: none"> <li>✓ <b>keep updated</b></li> <li>✓ protect resources and conserve water</li> <li>✓ implement management plans</li> <li>✓ response training</li> <li>✓ monitor and repair infrastructure</li> </ul>
<b>DROUGHT WARNING</b>	Drought evolving	<ul style="list-style-type: none"> <li>✓ <b>protect resources</b></li> <li>✓ conserve and recycle water</li> <li>✓ implement management plans</li> <li>✓ release public service announcements</li> <li>✓ last minute infrastructural repairs and upgrades</li> <li>✓ report impacts</li> </ul>
<b>DROUGHT EMERGENCY</b>	Drought of immediate concern	<ul style="list-style-type: none"> <li>✓ <b>release public service announcements</b></li> <li>✓ implement management and response plans</li> <li>✓ enforce water restrictions and recycling</li> <li>✓ enforce resource protection</li> <li>✓ repair infrastructure</li> <li>✓ report impacts</li> </ul>



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