

# CariCOF Drought Outlook

By the end of May 2024

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## Participating territories

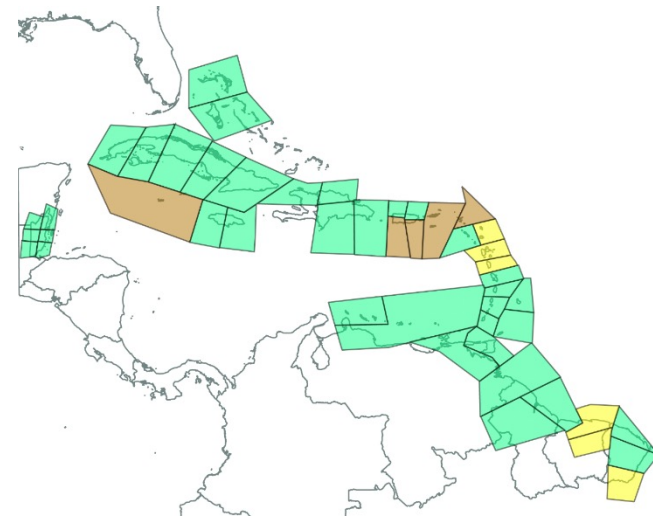
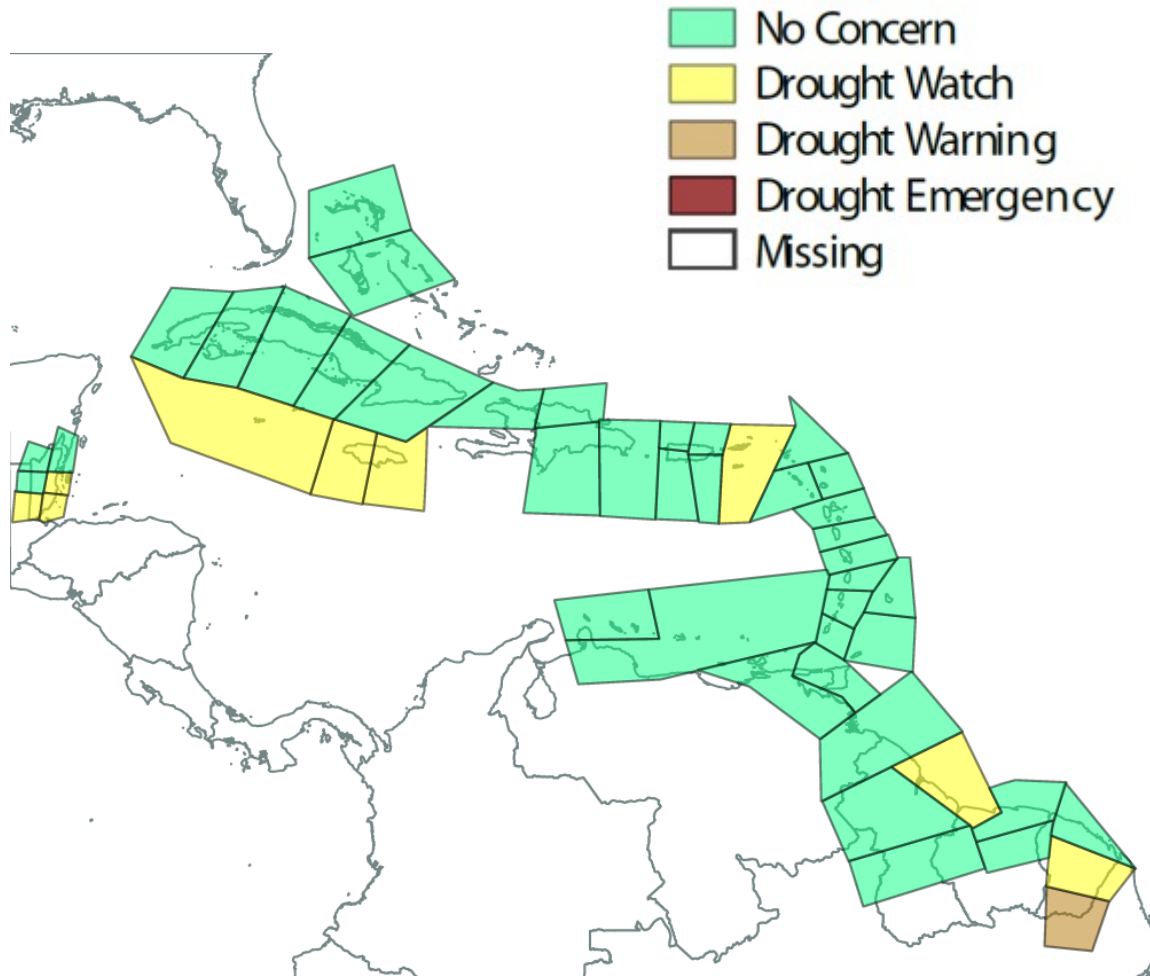
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haiti, Jamaica, Martinique, Puerto Rico, St. Barts, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname,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



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

## Current update (February 2024):

- The Caribbean is currently in its dry season.
- A **drought warning** should be considered for southern French Guiana.
- A **drought watch** should be considered for southern Belize, Grand Cayman, central French Guiana, northeastern Guyana, Jamaica, and the USVI.



Previous update (January): short term drought alert levels at the end of April 2024

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

(updated February 2024 – based on a 6-month SPI for December 2023 to May 2024)

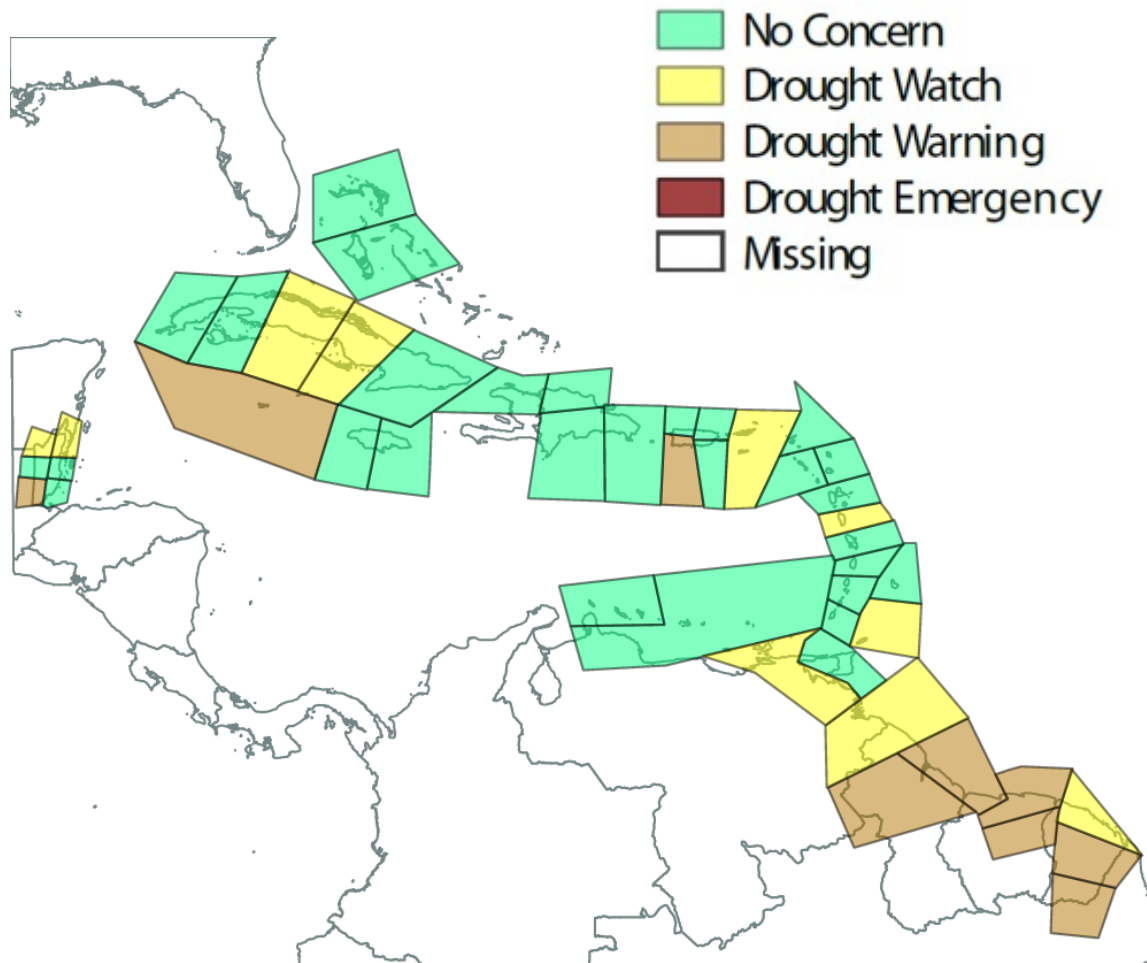
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For climate information specific to your country, please consult with your national meteorological service. *CariCOF outlooks speak to recent and expected climate trends across the Caribbean in general.*

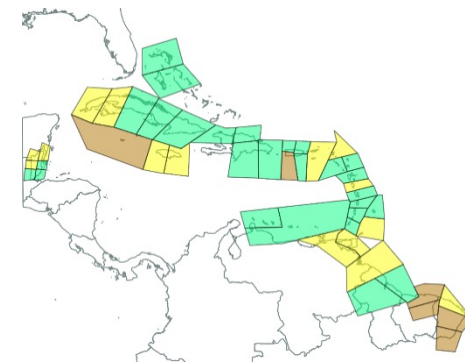


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# What is the predicted long term drought concern at the end of May 2024?



- This 12-month SPI-based drought outlook uses observations through January 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 southwest Belize, Grand Cayman, central and southern French Guiana, northeastern and inland portions of Guyana, southwest Puerto Rico, Suriname.
- A **drought watch** should be considered for northern Belize, Central Cuba, Dominica, coastal French Guiana, northern Guyana, Tobago, the USVI.



Previous update (January): long term drought alert levels at the end of May 2024

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

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

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 November 2023): *(more information [here](#))*
    - Moderate (or worse) short-term drought has developed in Antigua, Aruba, Dominica, French Guiana, Guadeloupe, Guyana, Martinique, Puerto Rico, Saint Kitts and Nevis, Sint Maarten/St-Martin, western Suriname, and Tobago.
    - Moderate (or worse) long-term drought has developed in northern Belize, Cuba, Haiti, Martinique, Grenada, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent, southwest Suriname, Trinidad and Tobago, and the USVI.
  - Short-term drought situation (by the end of May 2024):
    - Short-term drought is evolving in southern French Guiana.
    - Short-term drought might possibly develop or continue in southern Belize , Grand Cayman, central French Guiana, northeastern Guyana, Jamaica, and the USVI.
  - Long-term drought situation (by the end of May 2024):
    - Long-term drought is evolving in southwest Belize, Grand Cayman, central and southern French Guiana, northeastern and inland portions of Guyana, southwest Puerto Rico, Suriname.
    - Long-term drought might possibly develop or continue in northern Belize, Central Cuba, Dominica, coastal French Guiana, northern Guyana, Tobago, the USVI.
- \* 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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