

CariCOF Drought Outlook

By the end of May 2023

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Participating territories

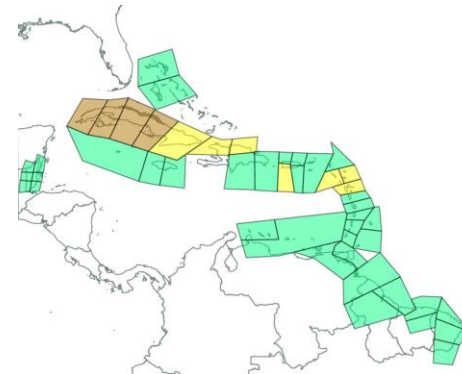
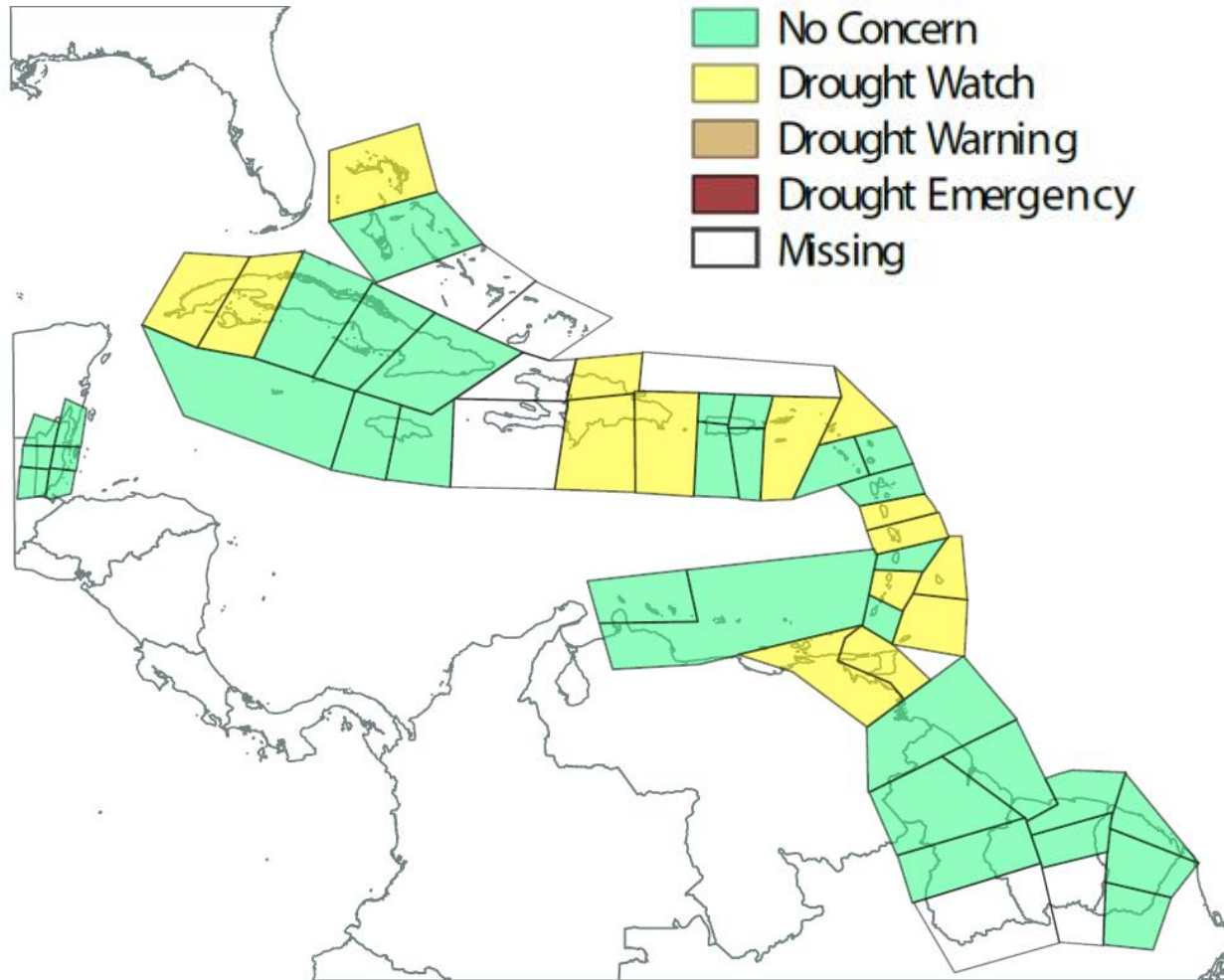
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haïti, Jamaica, Martinique, Puerto Rico, St. Barts, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname,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



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

Current update (February 2023):

- We are now in the Caribbean dry season.
- A **drought watch** should be considered for the northern Bahamas, Barbados, Western Cuba, Dominica, Dominican Republic, Martinique, Puerto Rico, St. Barts, Sint Maarten/St-Martin, St. Vincent, Trinidad and Tobago, and the USVI.



Previous update (January): short term drought alert levels at the end of April 2023

Short term drought alert levels at the end of May 2023

(updated February 2023 – based on a 6-month SPI for December to May 2022-'23)

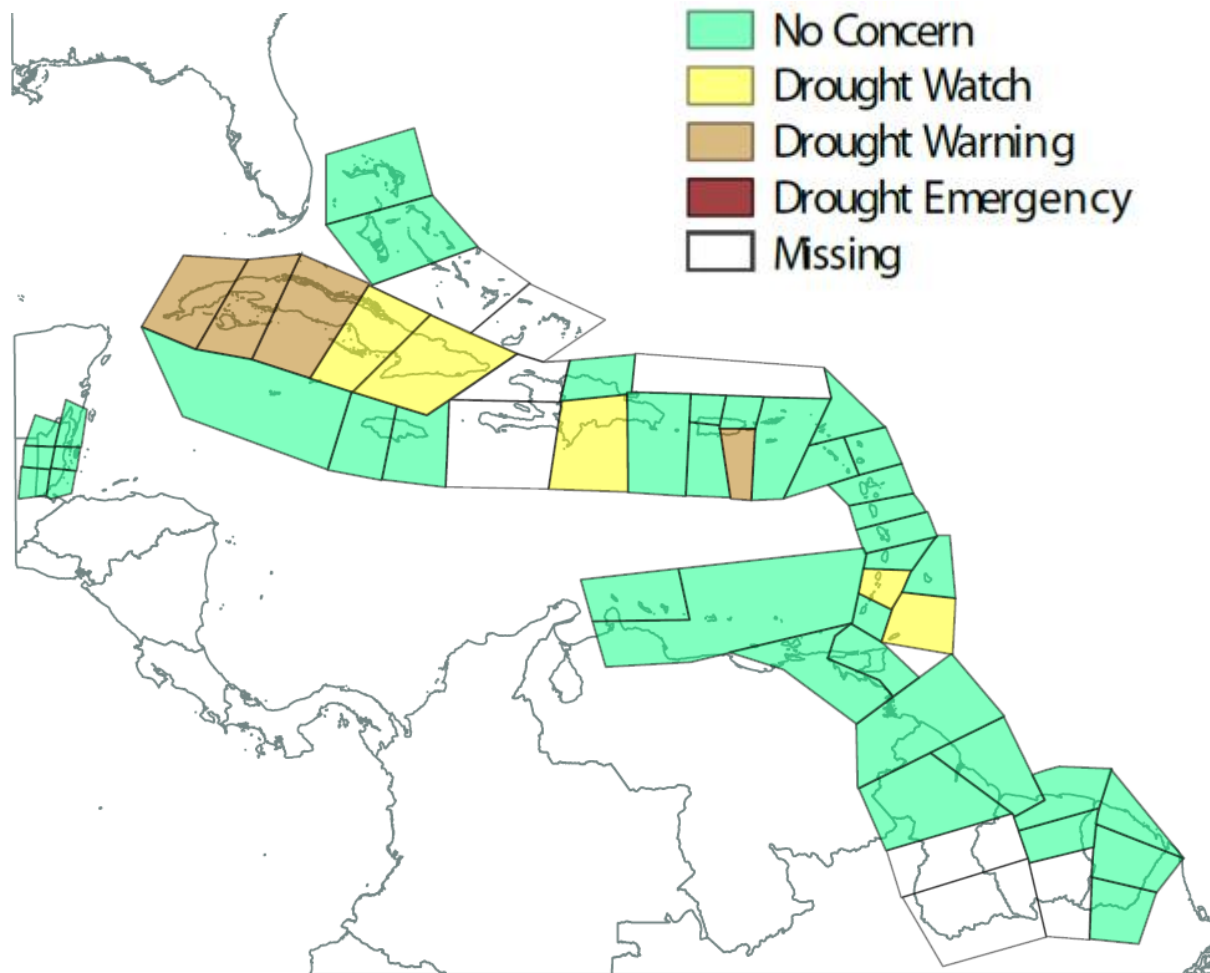
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For climate information specific to your country, please consult with your national meteorological service. *CariCOF outlooks speak to recent and expected climate trends across the Caribbean in general.*



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



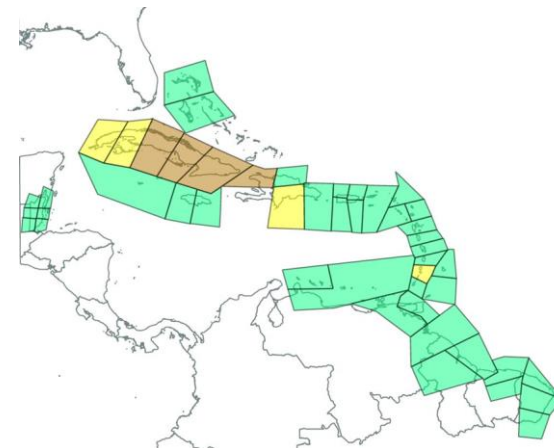
Long term drought alert levels at the end of May 2023

(updated February 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 January 2022, with potential impacts on large surface water reservoirs and groundwater. In general, impacts are expected if the 12-month SPI is ≤ -0.8 (*moderately dry or worse* – ref.: CDPMN).
- A **drought warning** should be considered for Central and Western Cuba, and southeast Puerto Rico.
- A **drought watch** should be considered for Eastern Cuba, southern Dominican Republic, St. Vincent, and Tobago.



Previous update (January): 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 January 2023): *(more information [here](#))*
 - Severe (or worse) short term drought has developed in southeast Cuba, Haiti, Jamaica, Guadeloupe.
 - Severe (or worse) long term drought has developed in Western Cuba, Haiti, and northern Suriname.
- Short-term drought situation (by the end of May 2023):
 - Short term drought might possibly develop in the northern Bahamas, Barbados, Western Cuba, Dominica, Dominican Republic, Martinique, Puerto Rico, St. Barts, Sint Maarten/St-Martin, 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 southeast Puerto Rico.
 - Long term drought might possibly develop or continue in Eastern Cuba, southern Dominican Republic, St. Vincent, 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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