

CariCOF Drought Outlook

By the end of January 2023

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Participating territories

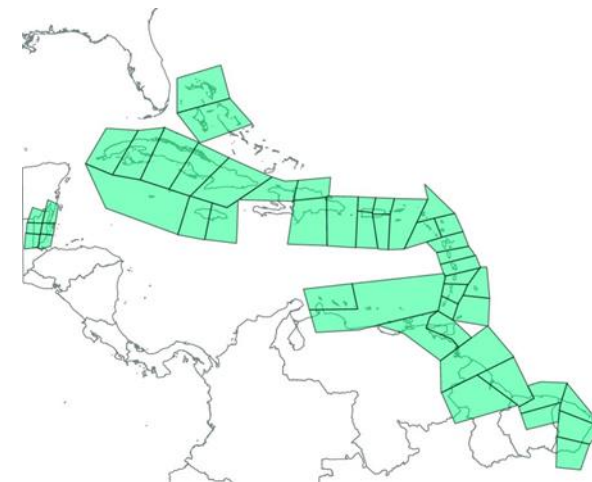
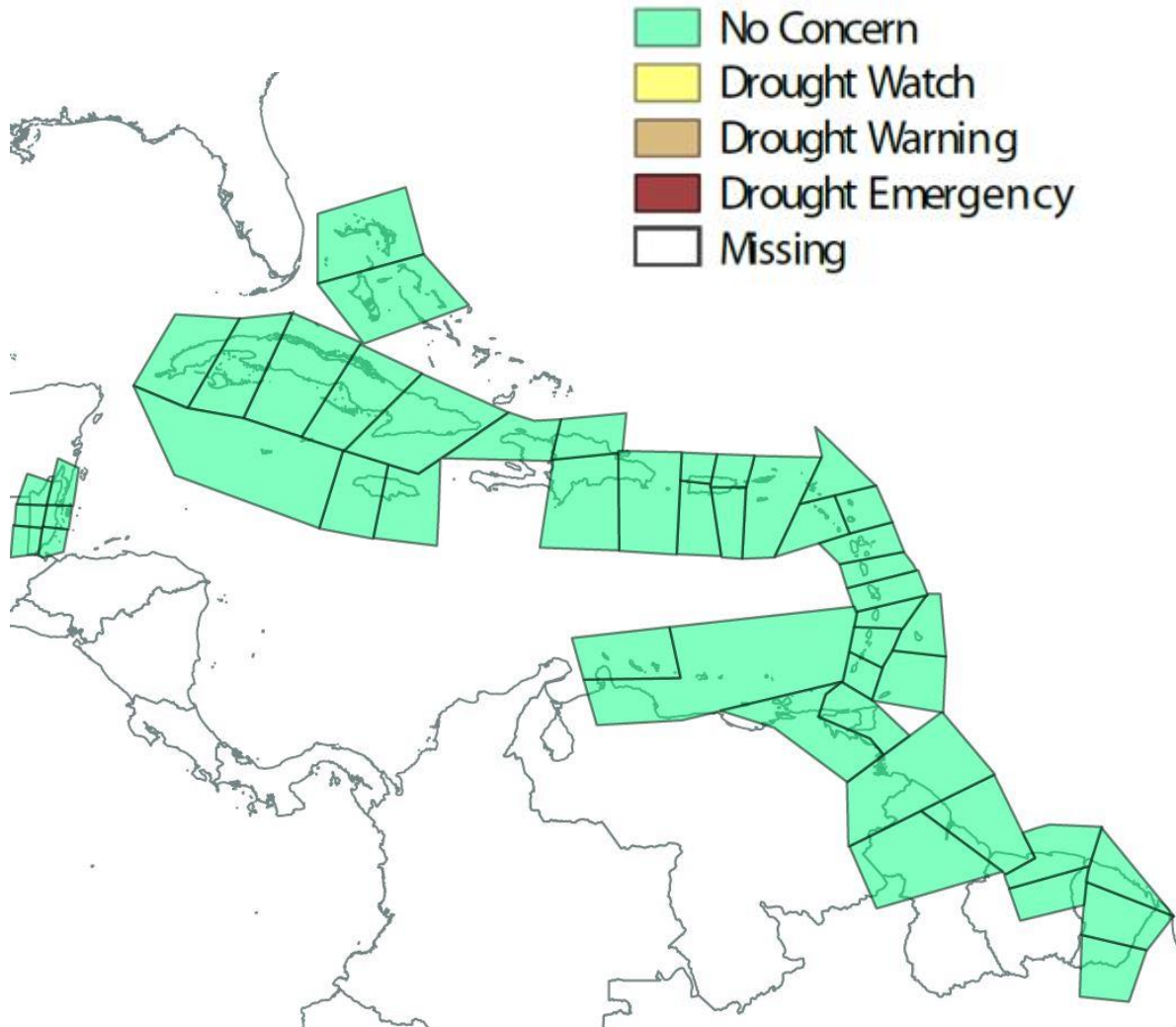
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haïti, Jamaica, Martinique, Puerto Rico, St. Barth's, St. Kitts & Nevis, St. Lucia, St. Maarten/St-Martin, St. Vincent & the Grenadines, Suriname,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



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

Current update (October 2022):

- We are currently in the wet season.
- **No short term drought concern** for the region by January.



Short term drought alert levels at the end of January 2023

(updated **October 2022** – based on a 6-month SPI for August to January 2022-'23)

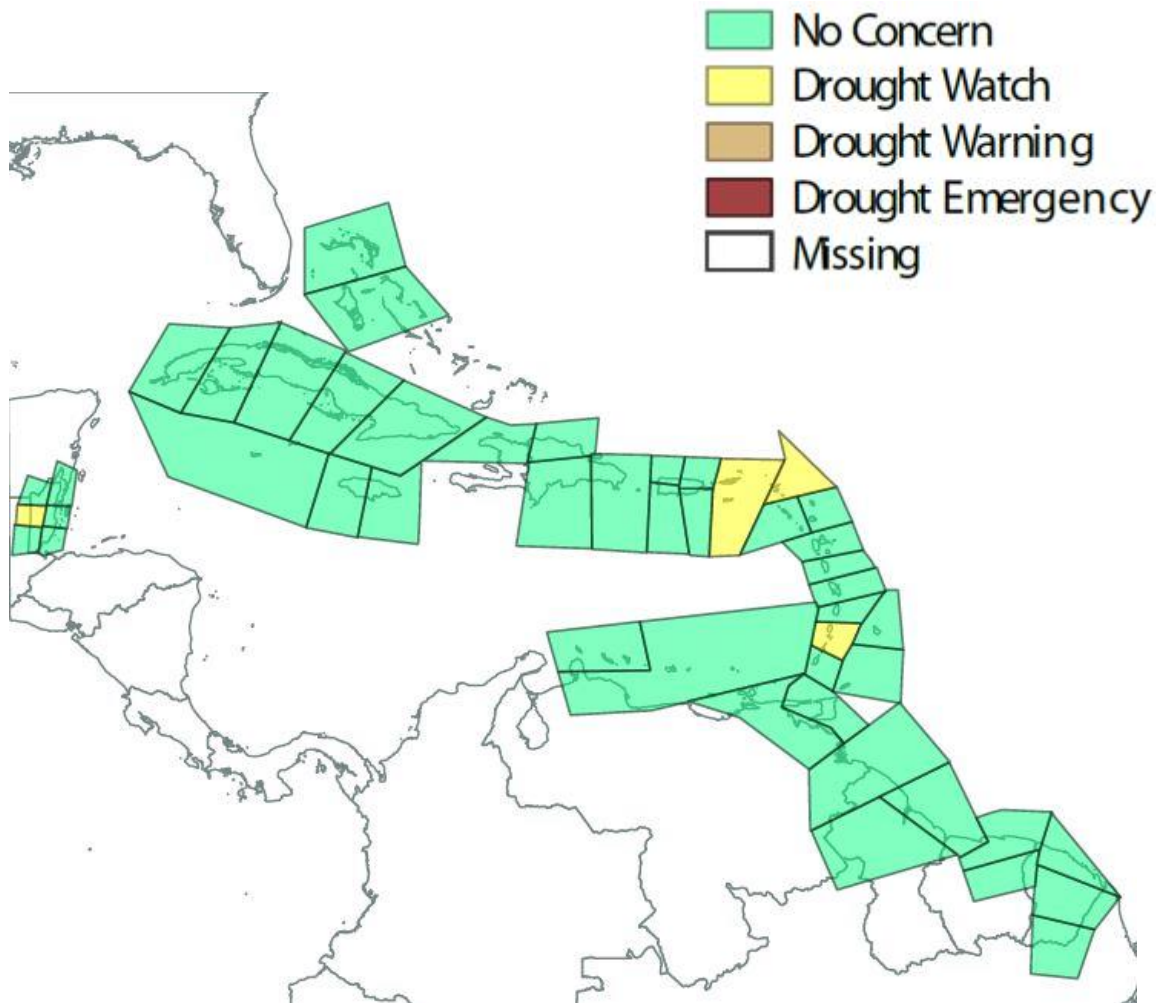
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For climate information specific to your country, please consult with your **national meteorological service**. *CariCOF outlooks speak to recent and expected climate trends across the Caribbean in general.*

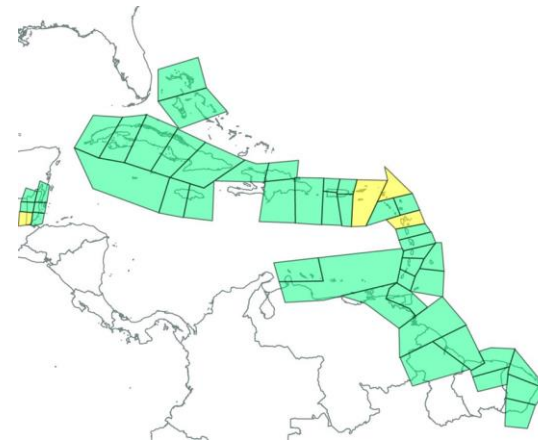


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CARIBBEAN CLIMATE OUTLOOK FORUM

What is the predicted long term drought concern at the end of November 2022?



- This 12-month SPI-based drought outlook uses observations through September 2022, with potential impacts on large surface water reservoirs and groundwater. In general, impacts are expected if the 12-month SPI is ≤ -1.3 (*severely dry or worse* – ref.: CDPMN).
- A **drought watch** should be considered for western Belize, Sint Maarten / St-Martin, St. Vincent, and the USVI.



Previous update (September):
long term drought alert levels by
the end of Nov 2022

Long term drought alert levels at the end of November 2022

(updated **October 2022** – based on a 12-month SPI for Dec 2021 to Nov 2022)

Drought outlook – shorter-/longer-term concern?

- Current drought situation (up to the end of September 2022): *(more information [here](#))*
 - Severe (or worse) short term drought has developed in Cuba and Saint Vincent.
 - Severe (or worse) long term drought has developed in Antigua, Western Cuba, southwest Haiti, eastern Jamaica, Martinique, Sint Maarten, and St. Vincent.
- Short-term drought situation (by the end of January 2023):
 - There is no concern for short term drought for the region at the end of January 2023.
- Long-term drought situation (by the end of November 2022):
 - Long term drought might possibly develop or continue in western Belize, Sint Maarten / St-Martin, St. Vincent, and the USVI.
 - Areas ending up in long term drought by the end of November may experience lower than usual water levels in large reservoirs, large rivers and groundwater, which would become a concern for the 2022-'23 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
NO CONCERN	No drought concern	<ul style="list-style-type: none"> ✓ monitor resources ✓ update and ratify management plans ✓ public awareness campaigns ✓ upgrade infrastructure
DROUGHT WATCH	Drought possible	<ul style="list-style-type: none"> ✓ keep updated ✓ protect resources and conserve water ✓ implement management plans ✓ response training ✓ monitor and repair infrastructure
DROUGHT WARNING	Drought evolving	<ul style="list-style-type: none"> ✓ protect resources ✓ conserve and recycle water ✓ implement management plans ✓ release public service announcements ✓ last minute infrastructural repairs and upgrades ✓ report impacts
DROUGHT EMERGENCY	Drought of immediate concern	<ul style="list-style-type: none"> ✓ release public service announcements ✓ implement management and response plans ✓ enforce water restrictions and recycling ✓ enforce resource protection ✓ repair infrastructure ✓ report impacts





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