

CariCOF Drought Outlook

By the end of September 2023

*Coordination: Caribbean Institute for Meteorology & Hydrology
Dr. Cédric J. Van Meerbeeck - Climatologist
Dr. Teddy Allen – Assistant Climatologist
caricof@cimh.edu.bb*

Participating territories

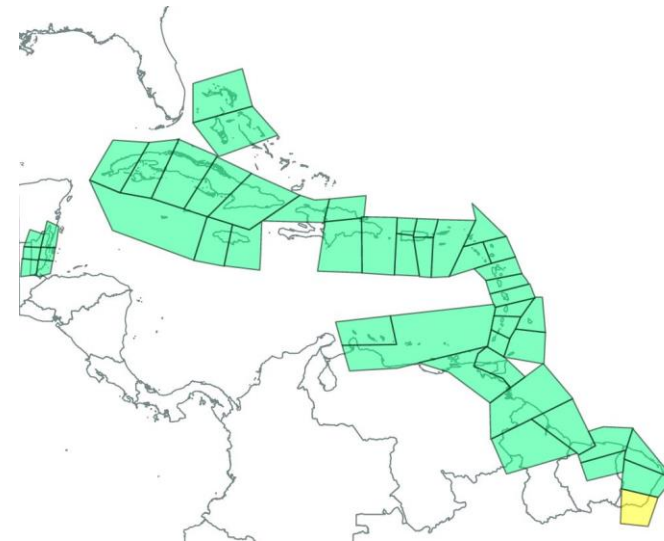
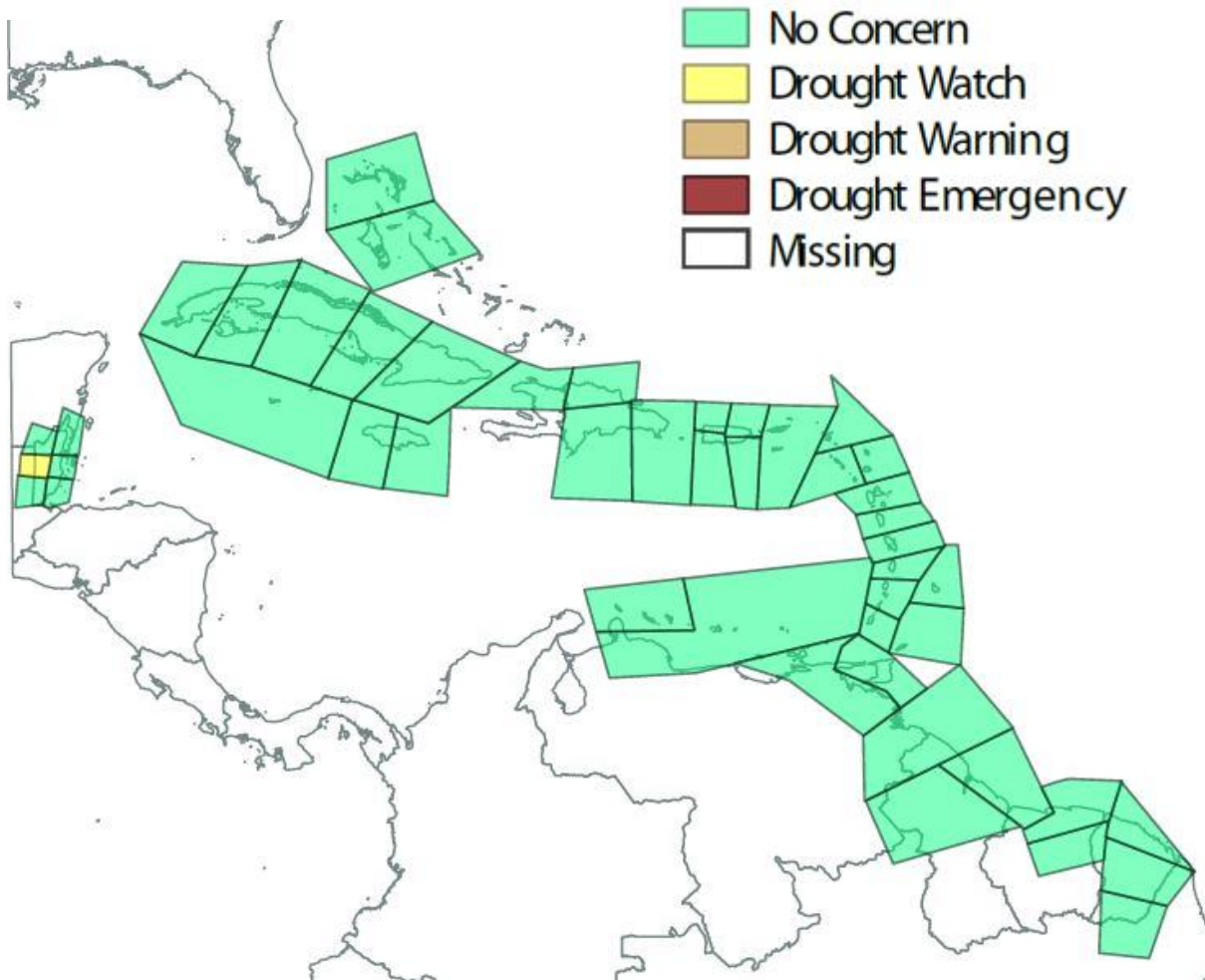
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haïti, Jamaica, Martinique, Puerto Rico, St. Barts, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname,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



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

Current update (June 2023):

- We are now in the Caribbean wet season.
- A **drought watch** should be considered for parts of western Belize.



Previous update (May): short term drought alert levels at the end of August 2023

Short term drought alert levels at the end of September 2023

(updated June 2023 – based on a 6-month SPI for March to August 2023)

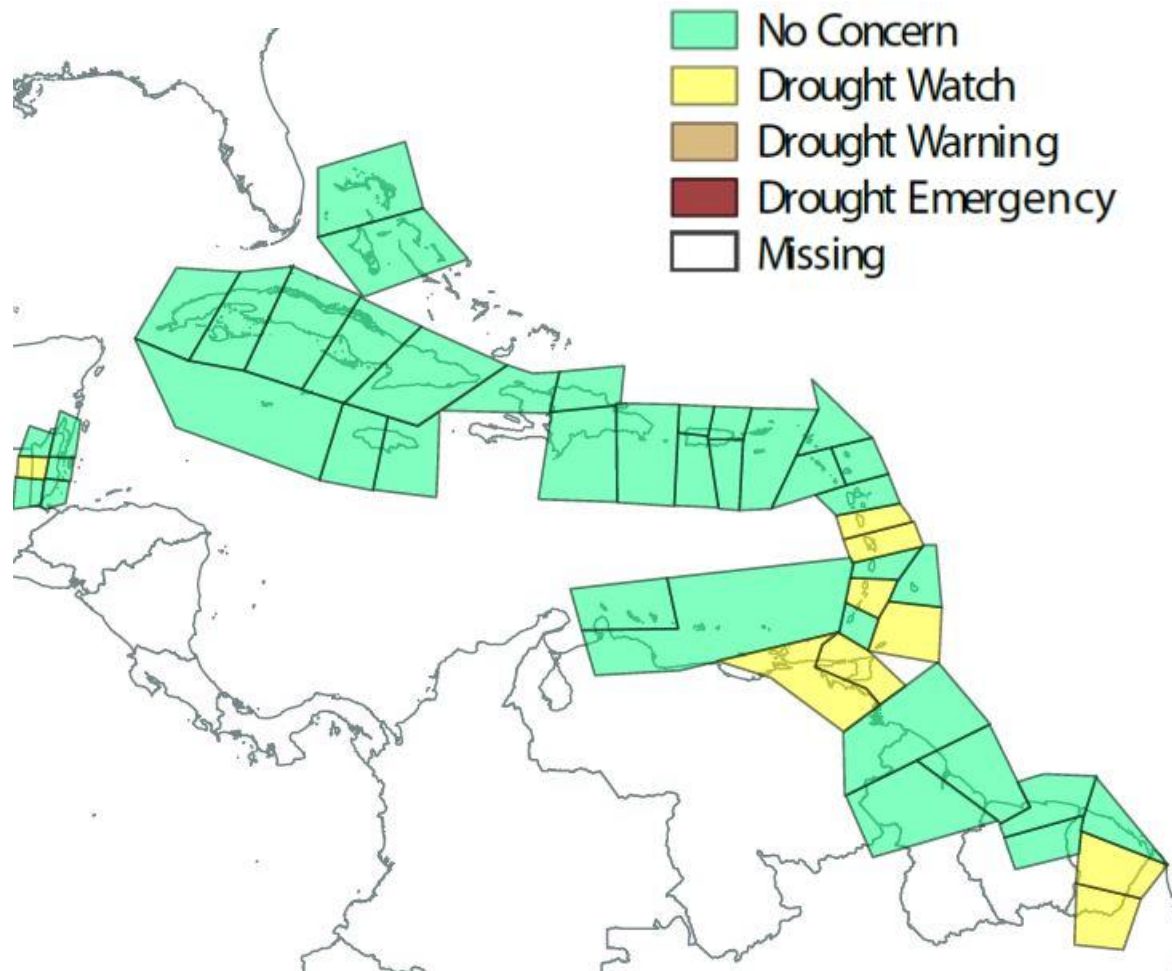
caricof@cimh.edu.bb

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.*

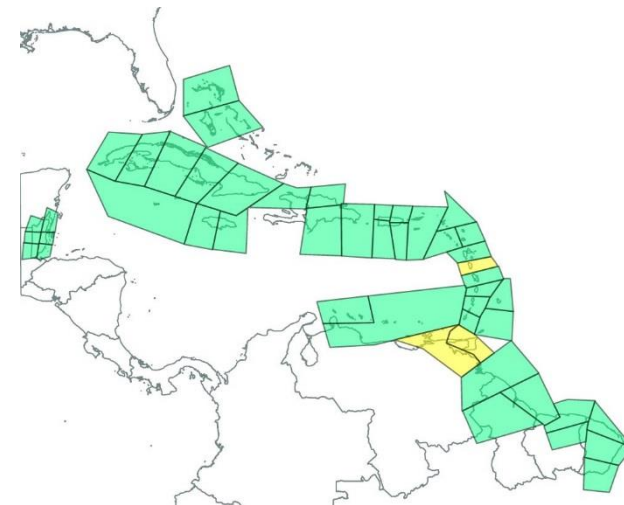


CARICOF
CARIBBEAN CLIMATE OUTLOOK FORUM

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



- This 12-month SPI-based drought outlook uses observations through May 2023, 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 parts of western Belize, Dominica, central and southern French Guiana, Martinique, St. Vincent, and Trinidad and Tobago.



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

Long term drought alert levels at the end of November 2023

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

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 May 2023): *(more information [here](#))*
 - Severe (or worse) short-term drought has developed in far southern Belize, eastern Dominican Republic, southeastern French Guiana, and St. Vincent.
 - Severe (or worse) long term drought has developed in far southern Belize, southeasternmost parts of Cuba, western parts of Haiti, and St. Vincent.
- Short-term drought situation (by the end of August 2023):
 - Short term drought might possibly develop in parts of western Belize.
- Long-term drought situation (by the end of November 2023):
 - Long term drought might possibly develop or continue in parts of western Belize, Dominica, central and southern French Guiana, Martinique, St. Vincent, and Trinidad 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 !!**



CARICOF
CARIBBEAN CLIMATE OUTLOOK FORUM

caricof@cimh.edu.bb

rcc.cimh.edu.bb

Caribbean Institute for Meteorology and Hydrology

TEL: (246) 425-1362/3 | FAX: (246) 424-4733