

# CariCOF Drought Outlook

By the end of July 2019

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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



# Shorter term Drought Outlook (February to July 2019)

## Areas under immediate drought concern?

### Current Outlook



### Short term drought alert levels by the end of July 2019

(updated April 2019 – covering January to June 2019)

### Current update (April 2019):

We are currently entering the core of the dry season. This time around, drought concern develops throughout much of the region.

A **drought warning** should be considered for, Dominica, French Guiana, Grenada, Martinique, St. Martin, St. Lucia, Suriname, USVI

A **drought watch** should be considered for the ABC islands, Antigua, Barbados, much of Belize, Guadeloupe, Guyana, Hispaniola, parts of Puerto Rico, St. Kitts, St. Vincent, Trinidad & Tobago.

### Previous Outlook



### Short term drought alert levels by the end of June 2019

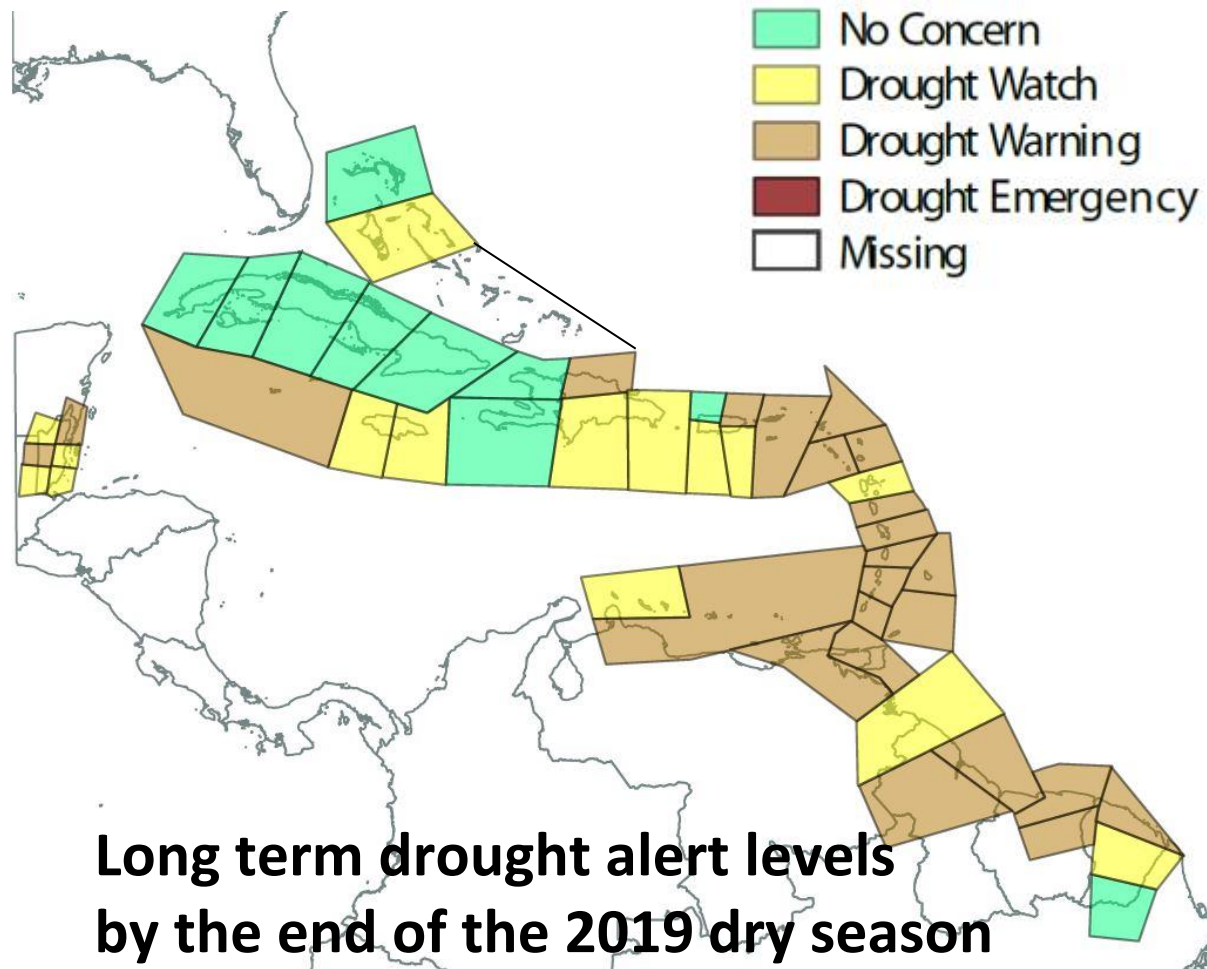
(updated April 2019 – covering January to June 2019)



# Long term drought outlook

## Concerns by the end of the dry season (May 31<sup>st</sup>, 2019)?

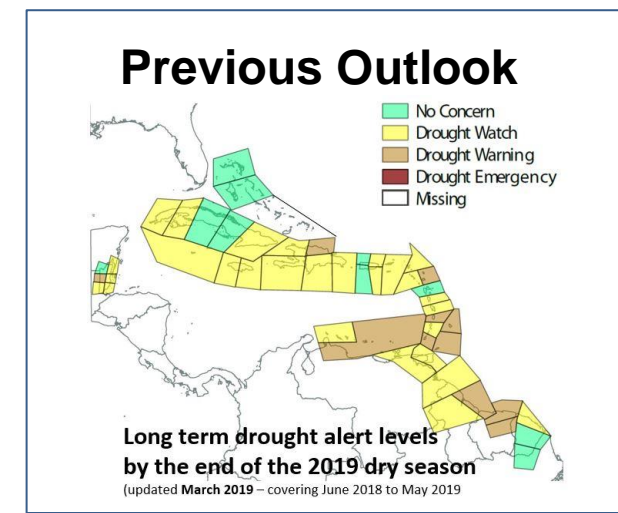
### Current Outlook



Long term drought alert levels  
by the end of the 2019 dry season

(updated April 2019 – covering June 2018 to May 2019)

- This 12-month SPI-based drought outlook uses observations through March 2019, 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 Antigua, west-central & NE Belize, Cayman, N Dom. Rep., N French Guiana, Guyana, NE Lesser Antilles (except Guadeloupe), Puerto Rico, Suriname
- A **drought watch** should be considered for the ABC islands, NW Bahamas, remainder of Belize, S Dom. Rep., Central French Guiana, Guadeloupe, Jamaica, S Puerto Rico



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

- Current drought situation (up to the end of March 2019): *(more information [here](#))*
  - Barbados, Martinique, St. Lucia, USVI, have seen long term drought developing.
  - Shorter term drought is seen in northern Saint Kitts.
- Shorter term drought situation (by the end of July 2019):
  - Shorter term drought is evolving in Dominica, French Guiana, Grenada, Martinique, St. Martin, St. Lucia, Suriname, USVI
  - Shorter term drought might possibly develop in the ABC islands, Antigua, Barbados, much of Belize, Guadeloupe, Guyana, Hispaniola, parts of Puerto Rico, St. Kitts, St. Vincent, Trinidad & Tobago.
- Long term drought situation (by the end of May 2019):
  - A weak El Niño is expected to contribute to reduced rainfall up until May.
  - Long term drought is evolving in Antigua, west-central & NE Belize, Cayman, N Dom. Rep., N French Guiana, Guyana, NE Lesser Antilles (except Guadeloupe), Puerto Rico, Suriname
  - Long term drought might possibly develop in the ABC islands, NW Bahamas, remainder of Belize, S Dom. Rep., Central French Guiana, Guadeloupe, Jamaica, S Puerto Rico

*\* 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"> <li>✓ <b>monitor resources</b></li> <li>✓ update and ratify management plans</li> <li>✓ public awareness campaigns</li> <li>✓ upgrade infrastructure</li> </ul>
DROUGHT WATCH	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>
DROUGHT WARNING	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>
DROUGHT EMERGENCY	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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