

CariCOF Drought Outlook

By the end of May 2019

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Participating territories

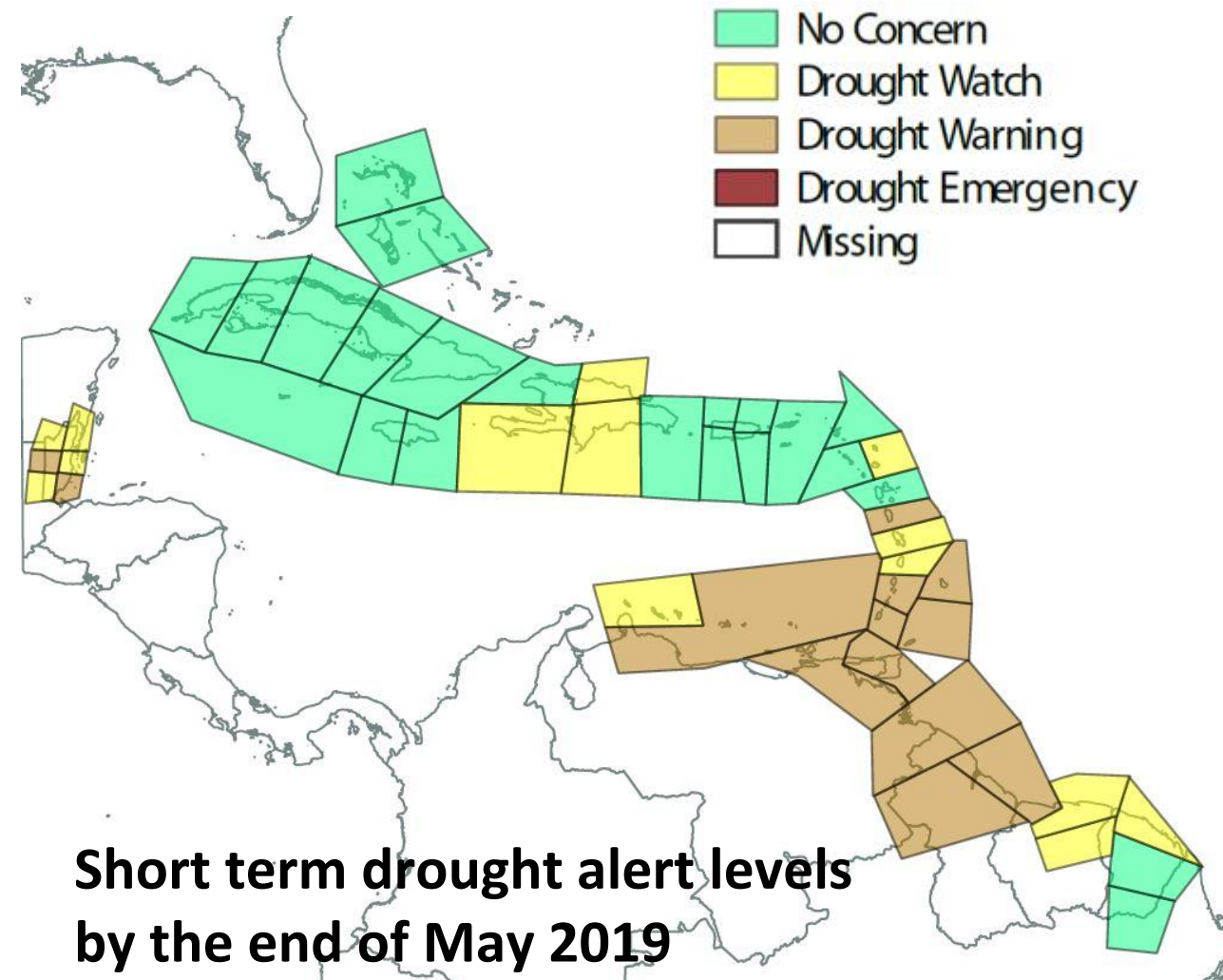
Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cayman Islands, Cuba, Curaçao, Dominica, Dominican Republic, French Guiana, Grenada, Guadeloupe, Guyana, Haïti, Jamaica, Martinique, Puerto Rico, St. Barth's, St. Kitts & Nevis, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname,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



Shorter term Drought Outlook (December 2018 to May 2019)

Areas under immediate drought concern?

Current Outlook



Short term drought alert levels by the end of May 2019

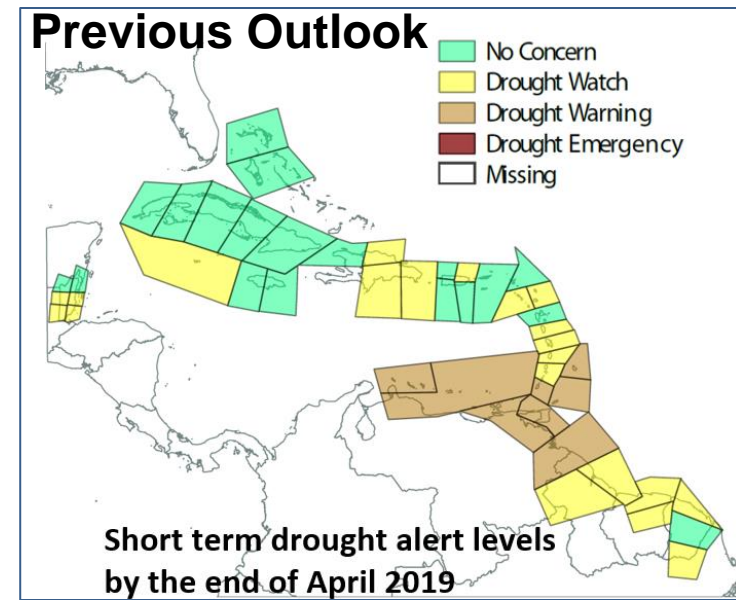
(updated February 2019 – covering December 2018 to May 2019)

Current update (February 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, Barbados, west-central and southeast Belize, Dominica, Grenada, Guyana, St. Vincent, Trinidad & Tobago.

A **drought watch** should be considered for the ABC islands, Antigua, remainder of Belize, northern French Guiana, Hispaniola, Martinique, St. Lucia, Suriname.

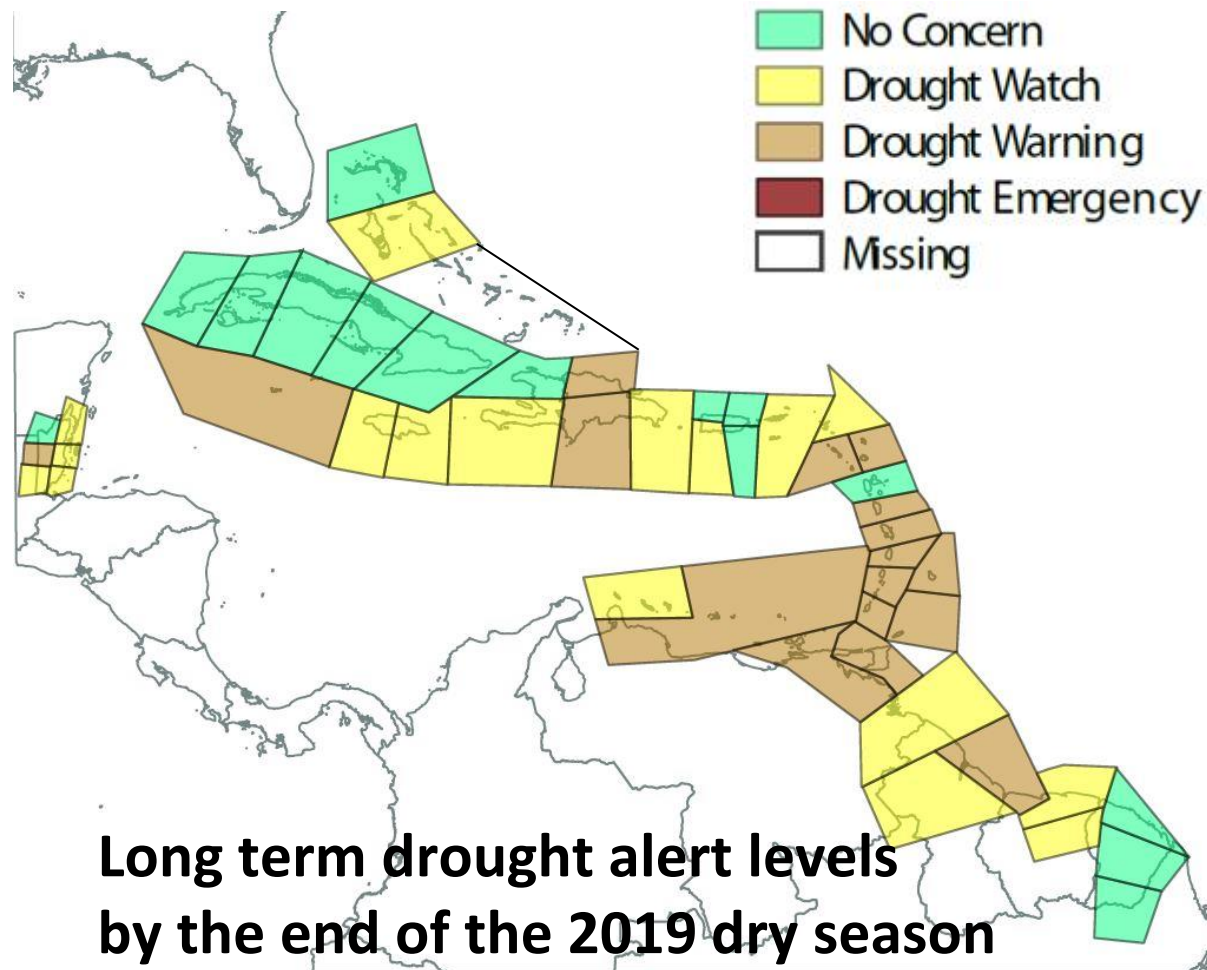


Short term drought alert levels
by the end of April 2019

Long term drought outlook

Concerns by the end of the dry season (May 31st, 2019)?

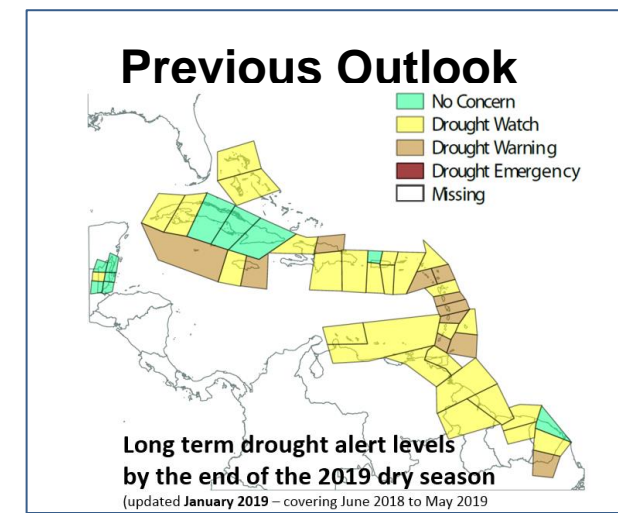
Current Outlook



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

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

- This 12-month SPI-based drought outlook uses observations through January 2019, 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 Antigua, west-central Belize, Cayman, N & S Dom. Rep., NE Guyana, St. Kitts, Trinidad and Tobago, Windward Isls.
- A **drought watch** should be considered for the ABC islands, NW Bahamas, E & S Belize, E Dom. Rep., remainder of Guyana, S Haiti, Jamaica, N Leeward Isls., SW Puerto Rico, Suriname, USVI.



Drought outlook – shorter-/longer-term concern?

- Current drought situation (up to the end of January 2019): *(more information [here](#))*
 - Barbados, parts of Belize, much of Hispaniola, much of the Leeward Isls., St. Lucia, St. Vincent and Tobago have seen long term drought developing.
 - Shorter term drought is seen in the ABC Isls., northern Barbados, south-eastern Cuba, much of Hispaniola, St. Vincent, Trinidad and Tobago.
- Shorter term drought situation (by the end of May 2019):
 - Shorter term drought is evolving in Barbados, west-central and southeast Belize, Dominica, Grenada, Guyana, St. Vincent, Trinidad & Tobago.
 - Shorter term drought might possibly develop in the ABC islands, Antigua, remainder of Belize, northern French Guiana, Hispaniola, Martinique, St. Lucia, Suriname.
- 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 Belize, Cayman, N & S Dom. Rep., NE Guyana, St. Kitts, Trinidad and Tobago, Windward Isls.
 - Long term drought might possibly develop in the ABC islands, NW Bahamas, E & S Belize, E Dom. Rep., remainder of Guyana, S Haiti, Jamaica, N Leeward Isls., SW Puerto Rico, Suriname, 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
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



THRESHOLDS

Drought	
Alert Levels	Probabilities
No Concern	< 33.3333
Drought Watch	33.3334 – 50
Drought Warning	50 – 83.3333
Drought Emergency	≥ 83.3334

ROC	
Discrimination	Thresholds
No	< 0.5
Poor	0.5 – 0.6
Moderate	0.6 – 0.7
Fair	0.7 – 0.8
Good	0.8 – 0.95
Very Good	> 0.95

Goodness Index	
Skill	Thresholds
Negative Skill	< 0
Very Limited	0 – 0.1
Limited	0.1 – 0.2
Moderate	0.2 – 0.25
Fair	0.25 – 0.3
Good	> 0.3



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