

CariCOF Drought Outlook by the end of November 2015

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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, St. Lucia, St. Maarten/St. Martin, St. Vincent & the Grenadines, Suriname, Trinidad & Tobago and the US Virgin Islands

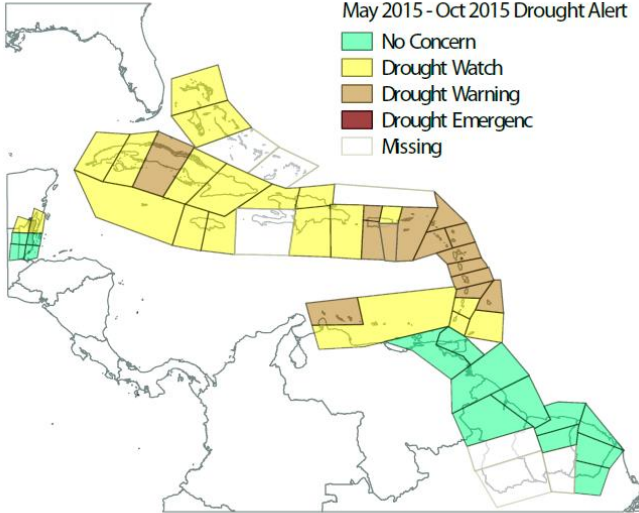


SPI outlook May to Oct – areas under immediate drought concern?

Jul 2015 update

May 2015 - Oct 2015 Drought Alert

- No Concern
- Drought Watch
- Drought Warning
- Drought Emergenc
- Missing



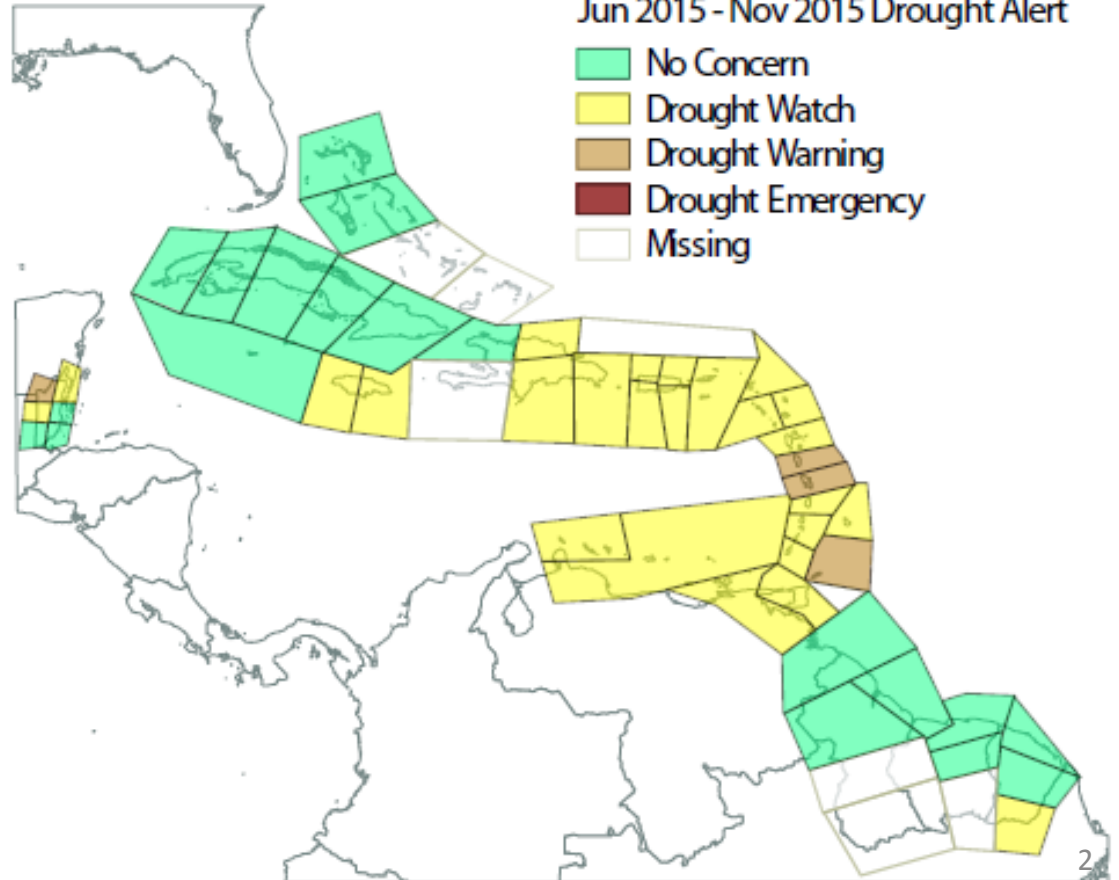
August 2015's update:

Drought concern is noted in NW Belize, Martinique and Tobago where we issue a drought warning.

Some drought concern is further noted in all other areas of the Caribbean Islands and S. French Guiana (except Bahamas, S Belize, Cayman, Cuba, rest of the Guianas and N Haïti).

Jun 2015 - Nov 2015 Drought Alert

- No Concern
- Drought Watch
- Drought Warning
- Drought Emergency
- Missing



Drought outlook till Nov 2015 – shorter- / longer-term concern?

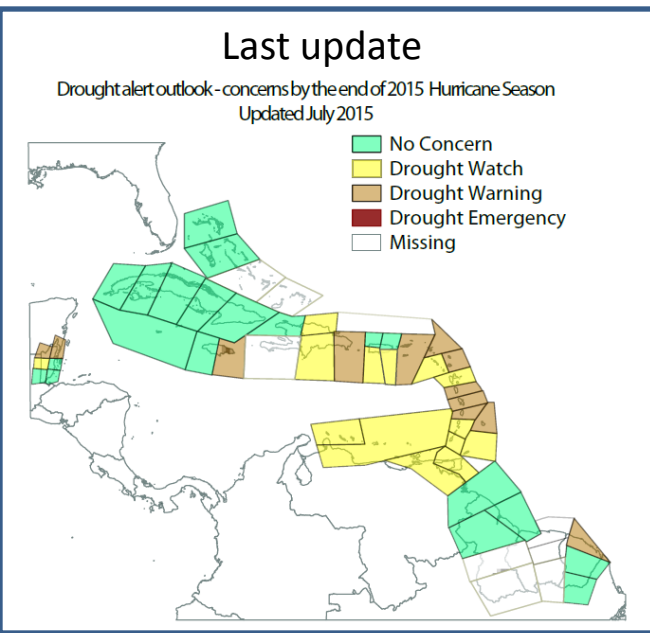
- Current drought situation (up to the end of July): *(find more information [here](#))*
 - Because of below-normal rainfall during the previous wet season and the dry season which just ended, water shortages may occur in portions of the Antilles.
 - South-eastern Jamaica, Haïti, many of the Leeward and some of the Windward Islands are in longer-term drought and have suffered water shortages. After a very dry MJJ period (except in Cayman, Cuba, N Dom. Rep. and Trinidad & Tobago), many of the Antilles islands, are currently facing shorter-term drought.
- Shorter-term (till November):
 - We expect that a shorter-term drought situation may persist in the Antilles (except Cayman and Cuba) and N Belize.
- Longer-term (November and beyond):
 - El Niño is intensifying. El Niño often results in a late start and early end of the wet season (except for the NW Caribbean), and particularly so in the SE Caribbean. This may lead to drought concerns towards the next dry season
 - Areas with existing water shortages may not see full recovery in the wet season, in particular E Jamaica, Leewards, Martinique and St. Lucia.

CONSERVE WATER!!

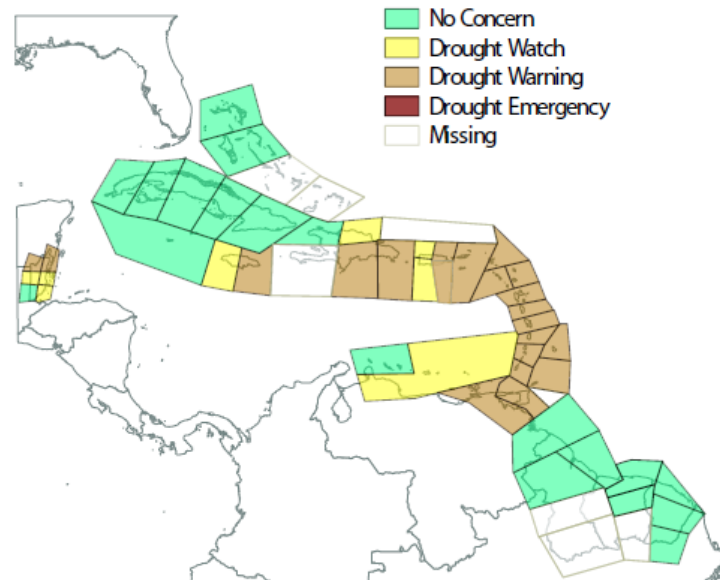
Especially in eastern Cuba, Haïti, Jamaica,
Leeward and Windward Islands.

Long-term drought outlook – drought concerns until end of the 2015 Caribbean hurricane/wet season (Nov 30th, 2015)?

- This 12-month SPI-based drought outlook uses observations until June 2015, with potential impacts on large surface water reserves and groundwater. In general, impacts are expected if the 12-month SPI is ≤ -1.3 (*very dry or worse* – ref.: CDPMN).
- Impactful hydrological drought by the end of the wet season is a concern across all the Antilles, from E Jamaica and Dom. Rep. going east- and southward and northern portions of Belize.
- A drought warning is issued for Barbados, N Belize, E Hispaniola, E. Jamaica, Leewards, E Puerto Rico, Trinidad & Tobago and Windwards.



Drought alert outlook - concerns by the end of 2015 Hurricane Season
Updated August 2015



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