

CARIBBEAN DROUGHT BULLETIN

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Announcement

With many parts of the Caribbean, particularly in the east, experiencing below normal rainfall in January 2022, concerns over drought continue. Significant concerns over short term drought that can impact soil moisture availability, streams and small rivers by the end of May 2022 exist in US Virgin Islands and St. Maarten. Significant concerns exist over long term drought that can impact large rivers and reservoirs, and groundwater by the end of May 2022 in most of the eastern Caribbean islands, the ABC islands and portions of Belize. Apart from those countries with significant concerns over drought, interests in southern Puerto Rico, the Dominican Republic, western Cuba and northern Bahamas should continue to monitor their water resources.

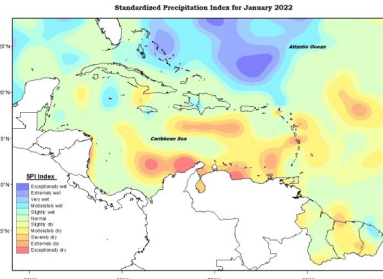
Month at a Glance

Conditions throughout the eastern Caribbean were predominantly normal to below normal during the month of January. Trinidad and Antigua ranged from moderately dry to normal; Tobago and St Vincent slightly dry; Grenada, St Croix and St Thomas normal; Barbados moderately dry; Saint Lucia predominantly slightly dry ranging to moderately dry in the north; Martinique severe to exceptionally dry south to north; Dominica extremely dry to normal south to north; Guadeloupe and St Maarten normal to severely dry; St Kitts slightly wet in the south to predominantly normal and Anguilla slightly dry in the extreme south to predominantly normal. In the Guianas conditions ranged from severely dry to moderately wet. Aruba was moderately dry and Curacao ranged from severe to moderately dry. Puerto Rico was predominantly normal ranging to slightly dry in the southwest. The Dominican Republic was predominantly normal ranging to moderately wet in the southwest and to slightly dry in the north. Jamaica ranged from moderately wet in the south to moderately dry in the extreme northwest. [Read more:](#)

Latest News

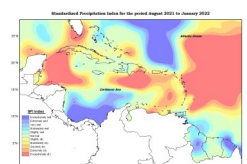
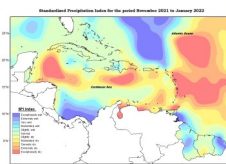
Antigua experienced a drier than usual January for Antigua; Read More;

<https://268weather.wordpress.com/2022/02/23/drier-than-usual-january-for-antigua/>



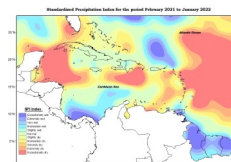
November-December-January

Predominantly normal to below normal conditions prevailed throughout the three month period in the eastern Caribbean. Trinidad ranged from extremely wet in the south to exceptionally dry in the north; Tobago and Guadeloupe exceptional to severely dry; Grenada slightly dry; Barbados, Saint Lucia, Martinique and Antigua extreme to exceptionally dry; St Vincent severe to extremely dry; Dominica moderate to extremely dry; St Kitts normal to slightly dry; St Maarten moderately dry to normal; Anguilla predominantly normal to slightly wet in the north; St Croix severe to moderately dry and St Thomas moderate to slightly dry. Conditions in the Guianas ranged from moderately dry to exceptionally wet. Aruba was slightly dry and Curacao ranged from slightly dry in the extreme south to predominantly normal. Puerto Rico ranged from normal to moderately dry. The Dominican Republic ranged from moderately wet in western areas to extremely dry in southeastern areas. Jamaica ranged from moderately wet in northwestern areas to slightly dry in the extreme west and east. Grand Cayman was predominantly slightly wet ranging to moderately wet in the northeast. Cuba was predominantly normal ranging to moderately dry in the west and slightly dry in the northeast. Northern Bahamas ranged from normal to moderately wet and Belize was predominantly normal ranging to slightly dry in the northeast.



NOV 2021 - JAN 2022
SPI 3 MONTHS

AUG 2021 - JAN 2022
SPI 6 MONTHS



FEB 2021 - JAN 2022
SPI 12 MONTHS

The Caribbean Drought & Precipitation Monitoring Network

The Caribbean Drought and Precipitation Monitoring Network is led by the Caribbean Institute for Meteorology and Hydrology (CIMH), the World Meteorological Organization's Regional Climate Centre (RCC) for the Caribbean. The Network was launched in January 2009 under the Caribbean Water Initiative ([CARWIN](#)) to support equitable and sustainable Integrated Water Resources Management.

The concept was born out of the need to mitigate and respond to the creeping phenomenon, drought. Drought and the general precipitation status is monitored at the regional scale. Efforts are being made to enhance drought monitoring at the national level.

The Caribbean Climate Outlook Forum (CariCOF)

The CariCOF brings together climate experts and meteorological services in the Caribbean region on an operational basis to produce a monthly climate outlook. CariCOF interacts with sectoral users to assess the likely implications of the outlooks on the most pertinent socio-economic sectors. The Caribbean Institute for Meteorology and Hydrology (CIMH), in its role as WMO Regional Climate Centre, coordinates the CariCOF process. [Read more.....](#)

For more information contact:

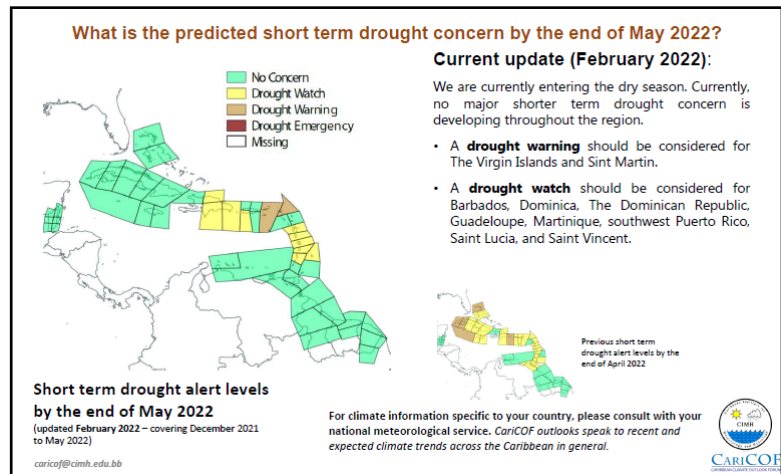
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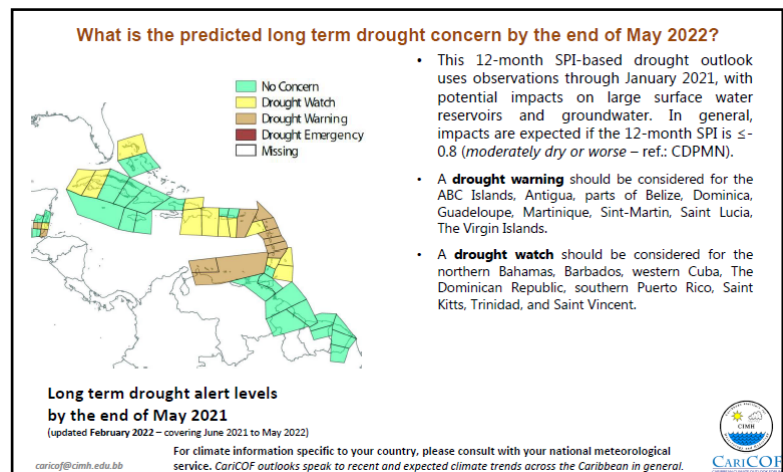
CariCOF Drought Alert Maps

Map of short-term drought by the end of May 2022



- Shorter term drought situation (by the end of May 2022):
 - Short term drought is evolving in The Virgin Islands and Sint Martin.
 - Short term drought might possibly develop or continue in Barbados, Dominica, The Dominican Republic, Guadeloupe, Martinique, southwest Puerto Rico, Saint Lucia, and Saint Vincent.

Map of long-term drought by the end of May 2022



- Long term drought situation (by the end of May 2022):
 - Long term drought is evolving in the ABC Islands, Antigua, parts of Belize, Dominica, Guadeloupe, Martinique, Sint-Martin, Saint Lucia, The Virgin Islands.
 - Long term drought might possibly develop in the northern Bahamas, Barbados, western Cuba, The Dominican Republic, southern Puerto Rico, Saint Kitts, Trinidad, and Saint Vincent.
 - Areas ending up in long term drought by the end of May may experience significantly reduced water levels in large reservoirs, large rivers and groundwater during the dry season.

"We advise all stakeholders to keep monitoring their environment for signs of drought, and look out for our monthly updates"

Drought outlook available for download [here](#)