



Special Drought Outlook

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SUMMARY

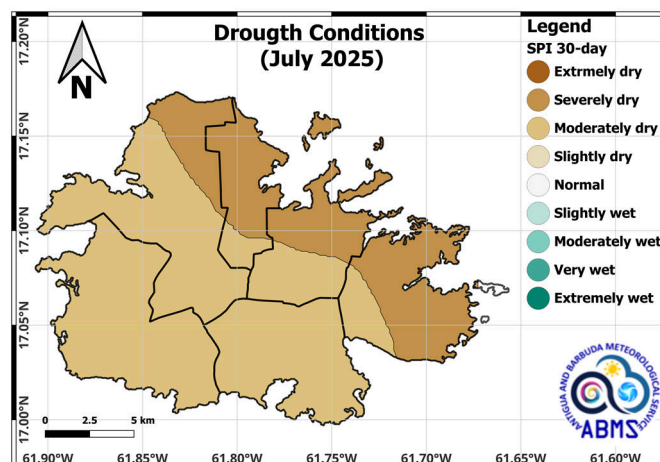
This drought advisory outlines the drought conditions observed at the end of July and includes a forecast indicating a **three-month Short-Term Drought Warning** expected by the end of August.

Drought Conditions

The average rainfall for Antigua for the period June-July was well below normal, making it the 7th driest June-July on record.

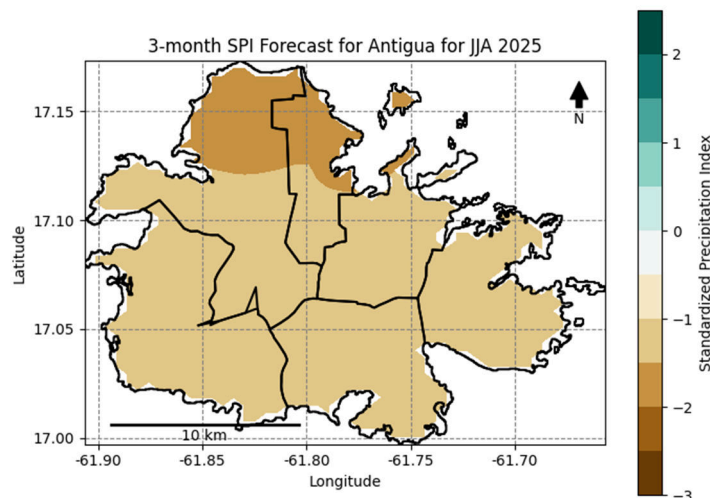
The Standardized Precipitation Index (SPI) for June and July (30-day SPI) respectively indicates moderately dry conditions or well below normal rainfall across Antigua and severely dry in the northern. Over the 90-day period from May to July 2025 was normal. The 6-month period from February to July 2025, conditions were normal in the southeastern region, moderately wet in the southwest and slightly wet across the north of the island.

Map 1 illustrates the dry conditions across Antigua for July.



Drought Outlook

August rainfall forecast is below- to near-normal conditions. Based on the SPIs for June to August, the anticipated drought concern is **Drought Warning** for moderate or worse 3-month short-term drought by the end of August (Map 2).



Implications

- ✓ release public service announcements
- ✓ implement management plans
- ✓ protect resources
- ✓ conserve and recycle water
- ✓ climate sensitive sectors should implement preparedness plans
- ✓ last minute infrastructural repairs and upgrades
- ✓ report impacts



Note: The SPI forecast values were estimated from the Antigua Rainfall Stations.

Note: Due to the limited available data for Barbuda, it cannot be determined whether the warning should also apply to the island, conditions are being monitored for any signs of water stress.

Key Terms:

Short Term Drought: Dry conditions lasting 1 to 6 consecutive months.

Long-Term Drought: Dry conditions persisting for more than 6 consecutive months.

Moderate Drought: Dry conditions for at least three consecutive months with SPI values of less than or equal to -0.8.

Alert Level	
No Concern	No concern for moderate or worse drought
Drought Watch	Moderate or worse drought possible
Drought Warning	Moderate or worse drought evolving
Drought Emergency	Moderate or worse drought of immediate concern

Antigua and Barbuda Meteorological Service in collaboration with Caribbean Institute for Meteorology and Hydrology (CIMH), which hosts the WMO designated Caribbean Regional Climate Center; and Caribbean Climate Outlook Forum (CariCOF).

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