



# Precipitation and Temperature Forecast

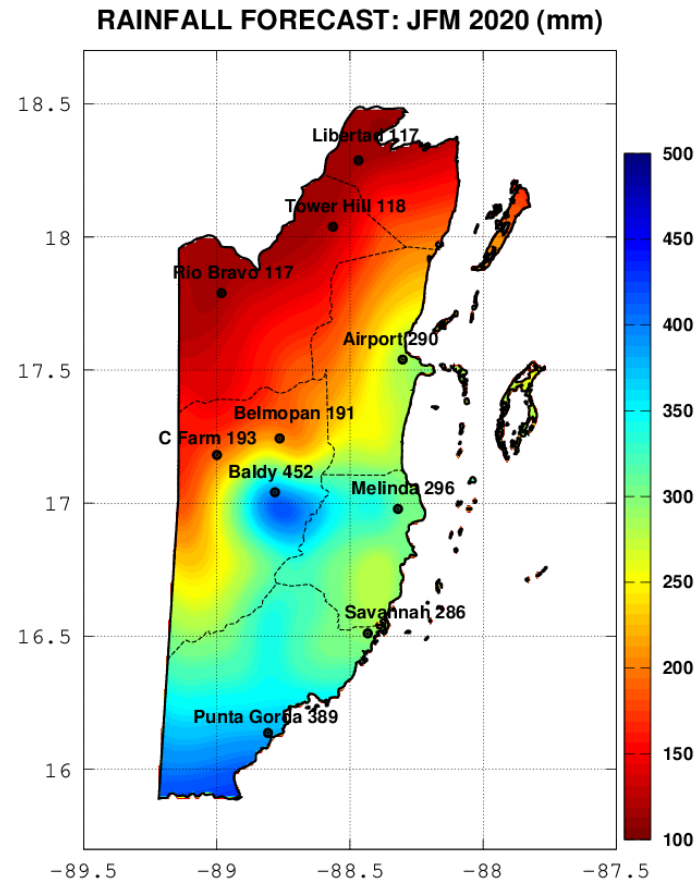
January-February-March 2020

**Presented by: Shanea Young**

*14 January, 2020*

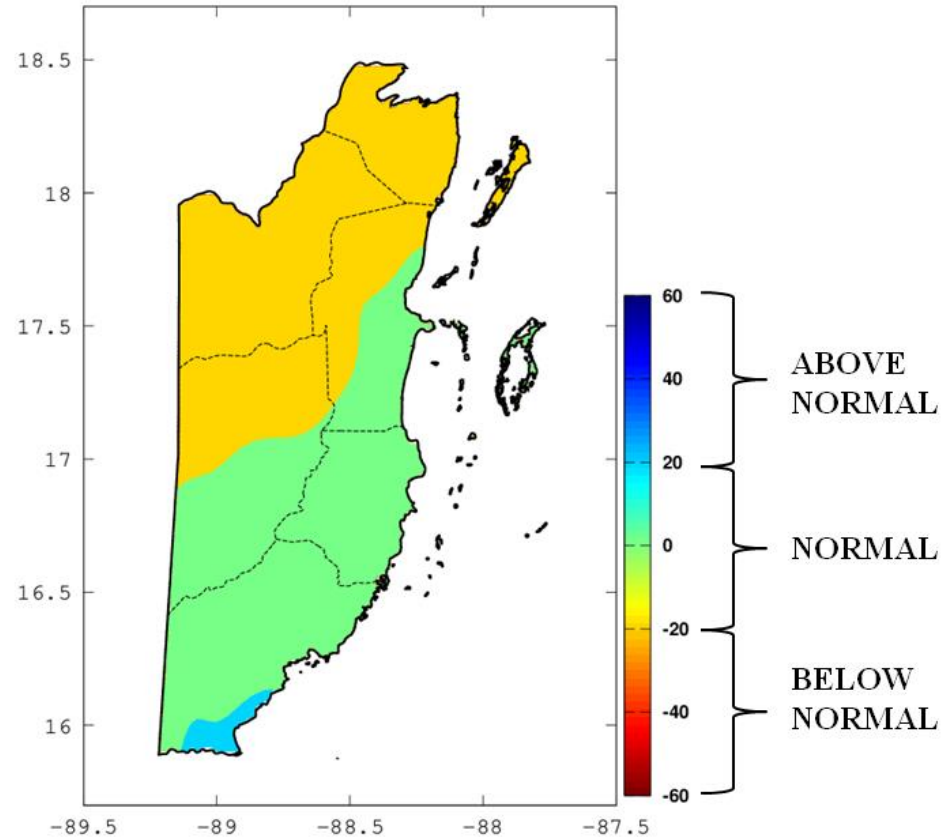
Approximate Rainfall amounts that are expected over different regions of the country during the period January-February-March 2020 are as follows:

REGION	RAINFALL AMOUNT (mm)	CATEGORY
North (Orange Walk and Corozal Districts)	90-120	Slightly Below Normal
Central Inland Areas (Cayo District)	100-500	Slightly Below Normal
Central Costal Areas (Belize District)	200-300	Near Normal
Southern Areas (Stann Creek and Toledo Districts)	250-500	Slightly Above Normal



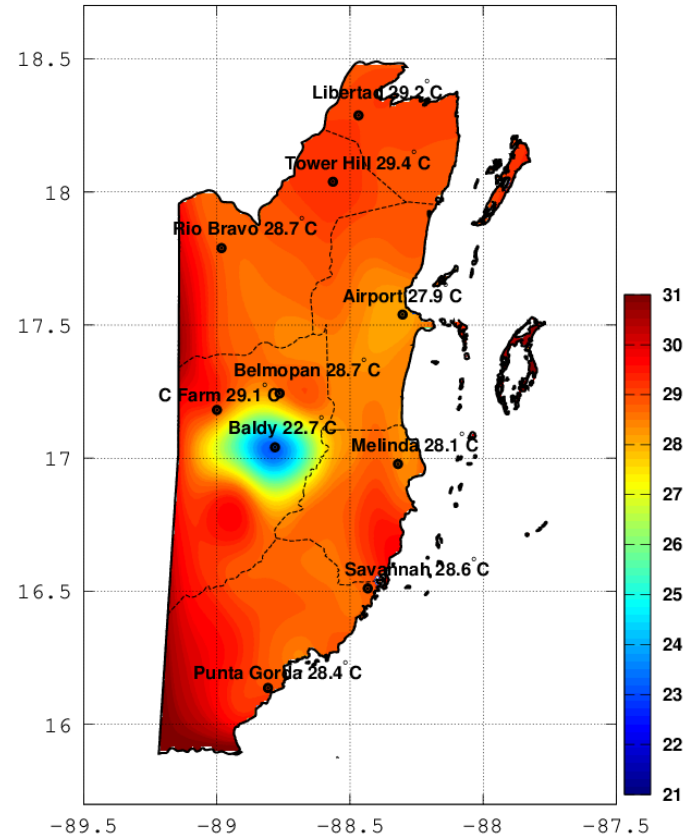
**Slightly below normal rainfall across the northern and some central parts of country, with near normal over the remainder of the country, except for the extreme south with values slightly above their normal.**

RAINFALL FORECAST: JFM 2020 (%ABOVE/BELOW AVERAGE)



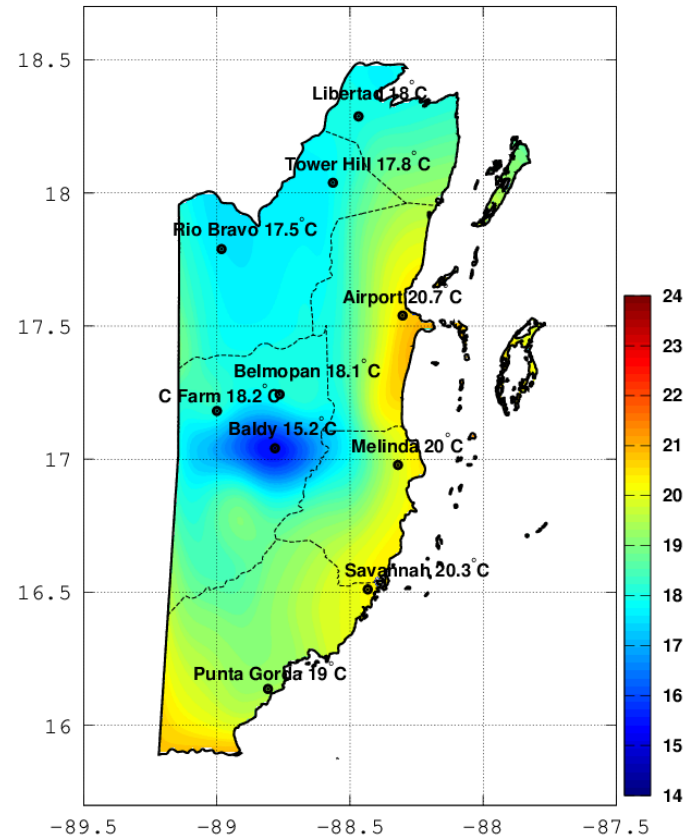
**Slightly below normal rainfall across the northern and some central parts of country, with near normal over the remainder of the country, except for the extreme south with values slightly above their normal.**

**MAXIMUM TEMPERATURE FORECAST: JFM 2020 (°C)**



**Slightly cooler than usual maximum day-time temperatures.**

**MINIMUM TEMPERATURE FORECAST: JFM 2020 (°C)**



**Slightly cooler than usual  
minimum night-time  
temperatures.**

# Possible implications of the Seasonal Outlook (January-February-March) on Agriculture

- JFM day-time (maximum) and night-time (minimum) temperatures in Belize are likely to be slightly cooler than normal.
- Less reliable rainfall for agriculture due to a continuous trend for drier than normal (northern/some central areas) to normal conditions over much of the country through to the end of March, and possibly to the end of the dry season, can lead to a continued decrease in soil moisture and river and stream flow.
- A decrease in surface wetness is expected due to fewer wet spells than usual with a high probability of at least three 7-day dry spells and at least one 15-day dry spell.
- Ensure adequate water is available for livestock and crop production by seeking alternate water sources other than rainfall, due to decreasing rainfall totals and a drier than usual 2019 wet season.
- Provide adequate food and shade for livestock.
- Continue conserving and managing water supply and consider water conservation techniques such as mulching and irrigation.
- The increase of pest and diseases associated with drier conditions is highly likely.
- Short term drought could possibly develop by the end of March in the Cayo and Stann Creek districts.
- Therefore, **DROUGHT WATCH** in effect for the Cayo and Stann Creek districts and **NO CONCERN** for the remainder of the country in the short to medium term.
- Long term drought (**WARNING**) developing across the country, except for a **DROUGHT WATCH** for the Toledo district by the end of the 2020 dry season.

# CONTINUE TO MONITOR AND CONSERVE WATER

ALERT LEVEL	MEANING	ACTION LEVEL
NO CONCERN	NO DROUGHT CONCERN	<b>Monitor Resources</b> <ul style="list-style-type: none"> <li>☑ update and ratify management plans</li> <li>☑ public awareness campaigns</li> <li>☑ upgrade infrastructure</li> </ul>
DROUGHT WATCH	DROUGHT POSSIBLE	<b>Keep Updated</b> <ul style="list-style-type: none"> <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	<b>Protect Resources</b> <ul style="list-style-type: none"> <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	<b>Release Public Service Announcements</b> <ul style="list-style-type: none"> <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>



**CARICOF**  
 CARIBBEAN CLIMATE OUTLOOK FORUM  
 caricof@cimh.edu.bb



End...