



## October 2014 Agro-Met Report



Grenada received above normal rainfall during the month of October. Total rainfall for the month was 196.0mm which was 59.4mm or 43.5% more than October 2013's 136.6mm and 54.9mm or 38.91% more than the Long Term Average (LTA) of 141.1mm.

A tropical wave on the 1<sup>st</sup> and 2<sup>nd</sup> of the month produced showers to give the 24hour rainfall totals of 16.8mm and 21.7mm respectively. Another wave on the 3<sup>rd</sup> and 4<sup>th</sup> coupled with some low to mid-level moisture surge and a mid-level trough produced showers and thundershowers resulting in 31.1mm and 19.0mm of rainfall respectively. There were three other 24hour periods of rainfall over 10.0mm on the 23<sup>rd</sup> and 27<sup>th</sup> of the month with 13.6mm and 14.8mm. However, the most significant 24hour period of 54.9mm on the 22<sup>nd</sup> which actually fell between 6 and 8am the morning of the 23<sup>rd</sup>, caused serious flooding in Grenville, Balthazar, the Sendal Tunnel area and River road. *See photos below of the River road area.*



*“Water just under the turtle back bridge by the Stadium”*



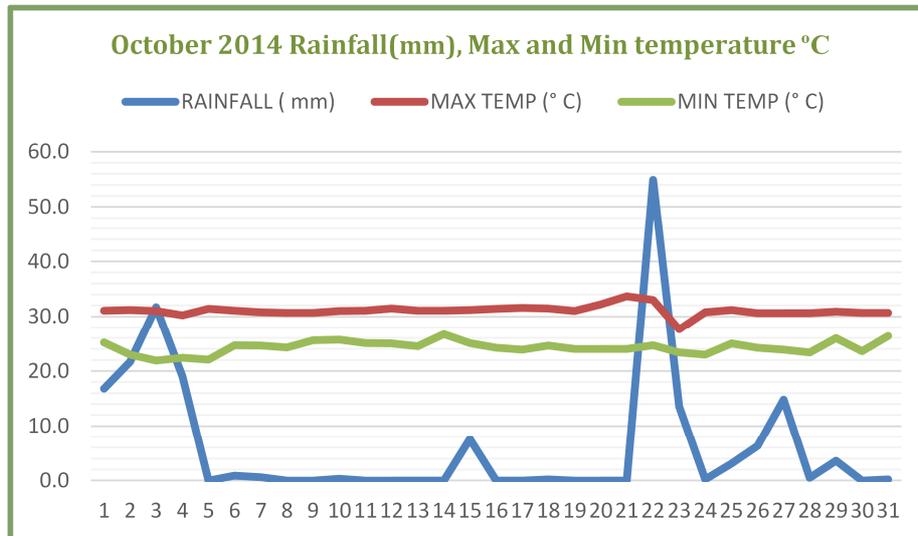
*“The river in the road in River road”*

Flood warnings were actually issued for the 22<sup>nd</sup>, 23<sup>rd</sup> and 26<sup>th</sup> of the month. Despite this abundance of rainfall throughout the month, there were still 11 days with no rainfall whatsoever and only two (2) days with a trace. The other ten (10) days were below 10.0mm.

Mean daily temperatures for the month of October was lower than last years by an average 0.2°C reaching a mean of 27.7°C, while the mean maximum and minimum temperatures were 31.1°C and 24.3°C respectively. The highest maximum temperature recorded was 33.7°C on the 21<sup>st</sup> of the month, compared with 33.5°C for 2013 and 32.5°C for the LTA. The lowest minimum was 21.9°C recorded on the 3<sup>rd</sup>, compared with 22.6°C for 2013 and 22.8°C for the LTA. *See graph on next page.*



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*Graph for October 2014 showing rainfall (mm), Max and Min temperatures (°C)*

The Bermuda Azores High peaked at 1033mb on the 22<sup>nd</sup> and was lowest on the 21<sup>st</sup> and 26<sup>th</sup> of the month reading 1020mb. Winds were generally from the ENE-ESE @ 10-15kts with a gust of 51kts in showers and thundershowers as a result of the tropical wave on the 2<sup>nd</sup> of the month.

Apart from the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> when marine advisories were issued, the sea was good to its users and Fishermen were able to haul in catches in Tuna, Blue Marlin, Dolphin, King Fish, Jacks, Snapper, Hind, Conch(Lambie) and Lobsters.

The National Water and Sewage Authority (NAWASA) would have welcomed that abundance of rainfall for their dams for next dry season. However, the abundant rainfall would have had an effect on the farming community. Farmers would have had to protect themselves from soil erosion due to land slippage and from pest and disease as a result of increased soil moisture. Nevertheless, Farmers had good production of Water Melon, Pumpkin, Avocado, Cantaloupe and Seasoning Peppers.

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