



REPUBLIC OF KENYA

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KENYA METEOROLOGICAL DEPARTMENT

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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 10<sup>TH</sup> TO 16<sup>TH</sup> SEPTEMBER, 2019**

**Issue date: 9<sup>th</sup> September, 2019**

<p><b>Review of weather for the last seven-day period (2<sup>nd</sup> to 8<sup>th</sup> September, 2019):</b></p> <ul style="list-style-type: none"> <li>• Rainfall was recorded over the Lake Victoria Basin, the Highlands West and East of the Rift Valley, the Central, South Rift Valley and the Coast;</li> <li>• There were decreases in rainfall amounts over much of the country;</li> <li>• Day-time (maximum) temperatures decreased and night-time (minimum) temperatures increased over much of the country respectively.</li> </ul>	<p><b>Forecast for the next seven days (10<sup>th</sup> to 16<sup>th</sup> September, 2019):</b></p> <p>The forecast indicates that:</p> <ul style="list-style-type: none"> <li>• Cool and cloudy mornings are expected over the Highlands East of the Rift Valley (including Nairobi area)</li> <li>• Rainfall is expected to continue over the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central South Rift Valley and the Coast.</li> <li>• Strong winds of more than 25 knots (12.5m/s) are expected over the Eastern half of the country.</li> </ul>
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**1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (2<sup>ND</sup> TO 8<sup>TH</sup> SEPTEMBER, 2019)**

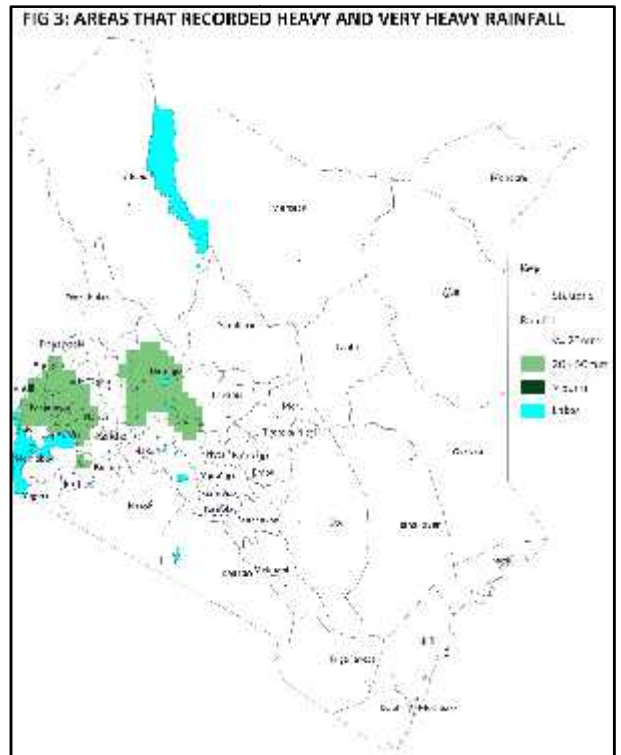
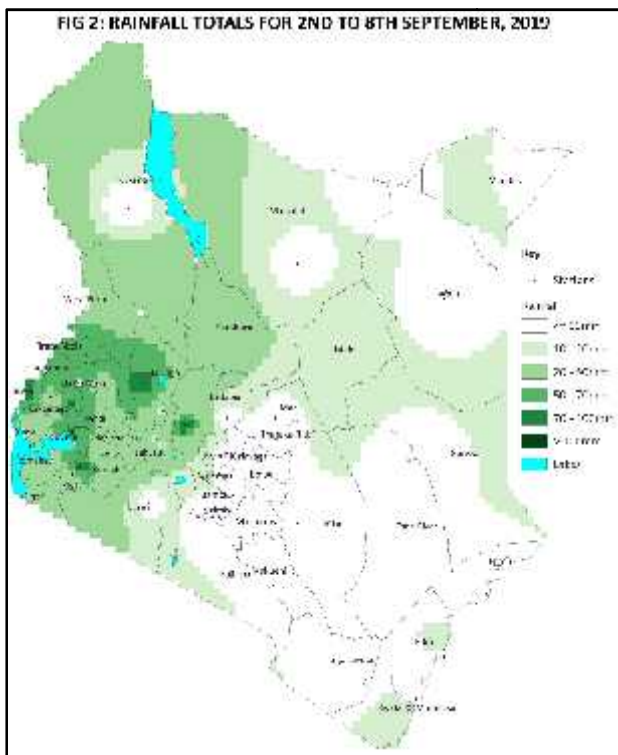
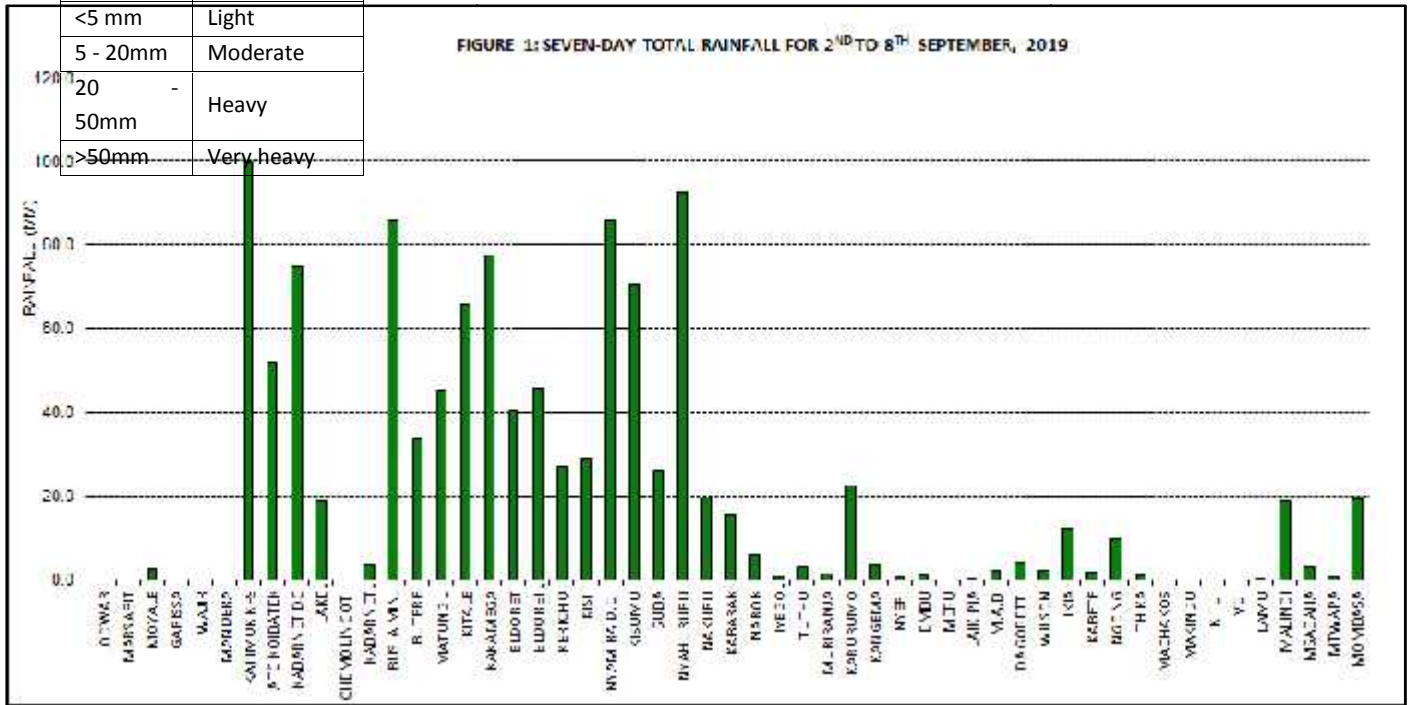
**1.1 Rainfall Review**

Rainfall was recorded over the Lake Victoria Basin, the Highlands West and East of the Rift Valley, the Central, South Rift Valley and the Coast as depicted in **Figure 1**. The Southeast Lowlands the Northwest and the Northeast remained mostly dry. A comparison between the previous review period (26<sup>th</sup> August to 1<sup>st</sup> September, 2019) and the current review period (2<sup>nd</sup> to 8<sup>th</sup> September, 2019) indicates a general decrease in rainfall amounts over Highlands West and East of the Rift Valley (including Nairobi area).

Katimok KFS Rainfall Station in Baringo County recorded the highest seven-day total rainfall of 99.8mm. Other stations that recorded significant rainfall totals during the review period include Nyahururu Meteorological Station (92.7mm), Busia Ministry of Water (85.8mm), Nyamira D.O Rainfall Station in Nyamira County (85.8mm), Kakamega Meteorological Station (77.4mm), Kabarnet DC Rainfall Station in Baringo County (75.0mm), Kisumu Meteorological Station (70.6mm), Kitale Meteorological Station (65.6mm), and ATC Koibatek in Baringo County (51.7mm) as depicted in **Figure 2**.

Rainfall categories	
Range	Category
<5 mm	Light
5 - 20mm	Moderate
20 - 50mm	Heavy
>50mm	Very heavy

Very heavy rainfall was recorded in Busia Ministry of Water Rainfall Station(59.5mm on 5<sup>th</sup> September, 2019). Moreover, heavy rainfall



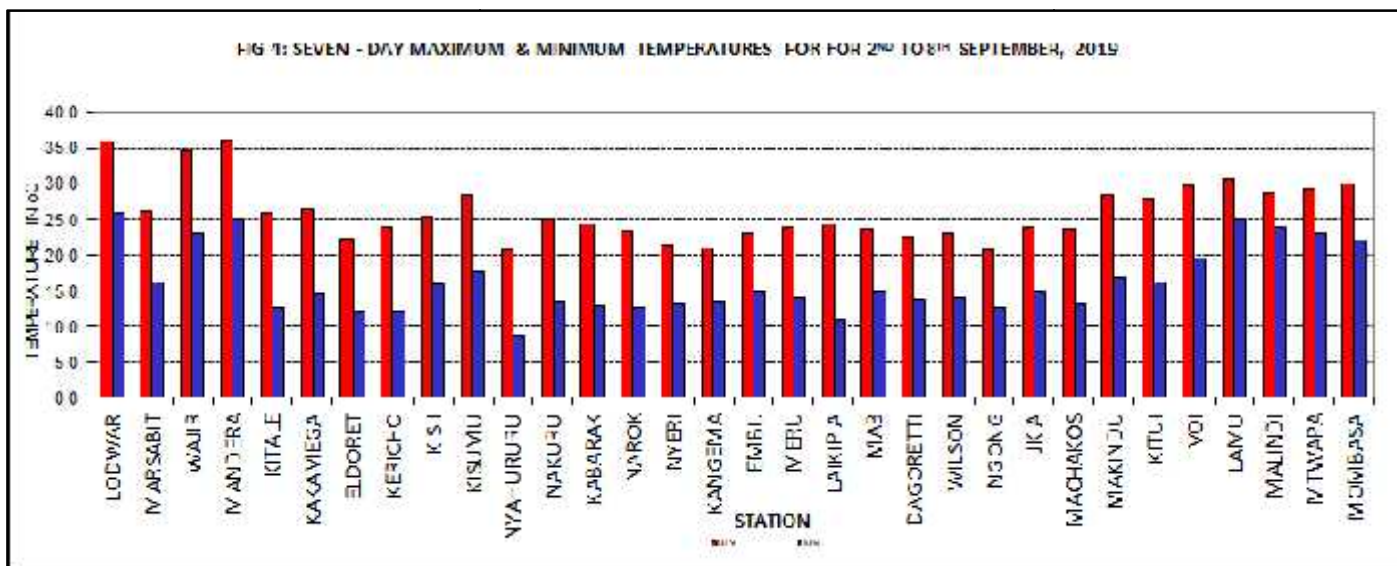
was recorded in various parts of the country including Nyahururu Meteorological Station (48.7mm on 7<sup>th</sup> September, 2019), Katimok KFS Rainfall Station in Baringo County (42.0mm on 6<sup>th</sup> September, 2019), Kakamega Meteorological Station (37.2mm on 8<sup>th</sup> September, 2019) and Kabarnet DC Rainfall Station in Baringo County (35.6mm on 6<sup>th</sup> September, 2019) as depicted in **Figure 3**.

## 1.2 Temperature Review

Comparing the previous review period (26<sup>th</sup> August to 1<sup>st</sup> September, 2019) and the current review period (2<sup>nd</sup> to 8<sup>th</sup> September, 2019) it is noted that day-time (maximum) temperatures decreased over

most parts of the country but increased over a few stations including Voi, Kitale and Kisii. Night-time (minimum) temperatures increased over most stations and decreased over stations like Makindu and Kangema.

Mandera Meteorological Station recorded the highest daily maximum temperature of 37.1°C on 6<sup>th</sup> September, 2019 while Nyahururu Meteorological Station recorded the lowest daily minimum

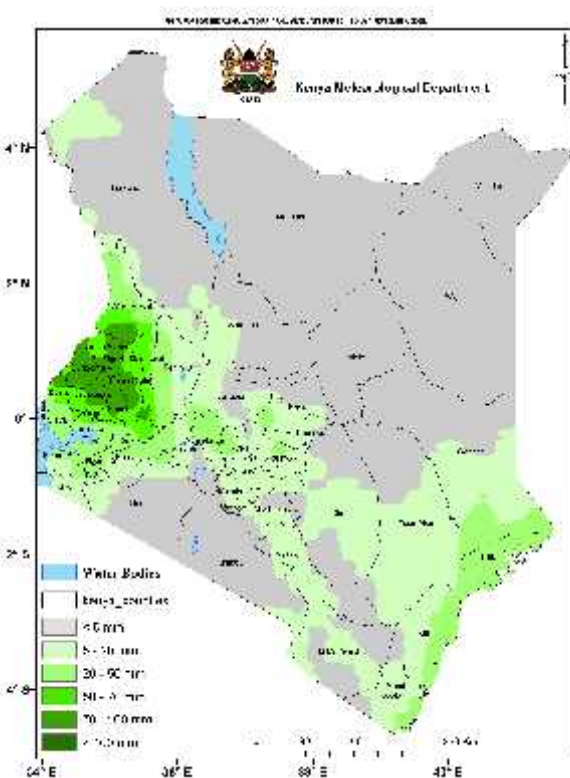
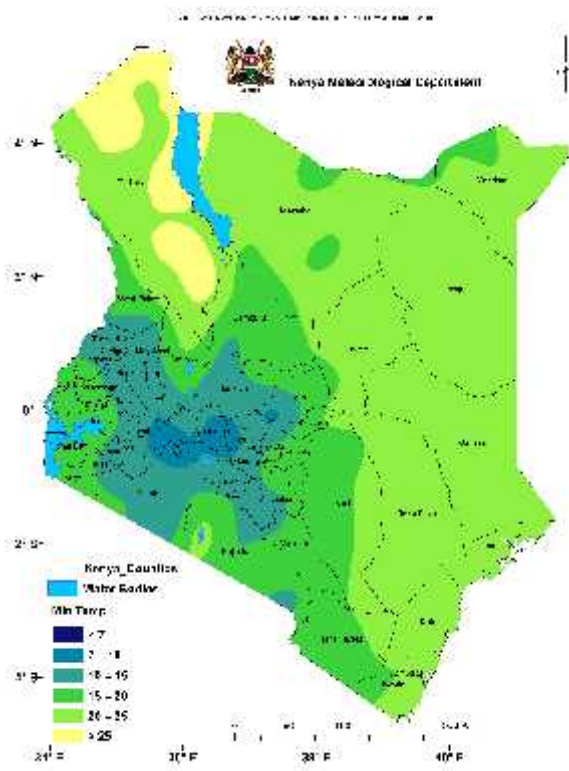
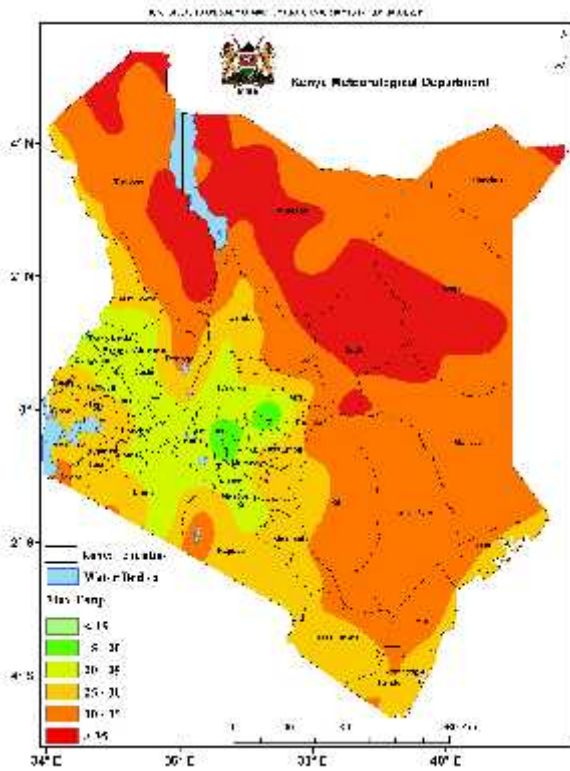


temperature of 6.3°C on 3<sup>rd</sup> September, 2019. The same stations recorded the highest seven-day average maximum temperatures of 36.1°C and the lowest seven-day average minimum temperatures of 8.7°C respectively. See **Figure 4** below.

## 2. FORECAST FOR THE NEXT SEVEN DAYS FROM 10<sup>TH</sup> TO 16<sup>TH</sup> SEPTEMBER, 2019.

The forecast for the next seven-day period indicates that:

- Cool and cloudy mornings are expected over the Highlands East of the Rift Valley (including Nairobi area) See **Figures 5 & 6** below.
- Rainfall is expected to continue over the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central, South Rift Valley and the Coast. See **Figure 7** below.
- Strong winds of more than 25 knots (12.5m/s) are expected over the Eastern half of the country.



### DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS (10<sup>TH</sup> TO 16<sup>TH</sup> SEPTEMBER, 2019)

**The Lake Victoria Basin, the Highlands West of the Rift Valley and the Central and South Rift Valley (Counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Trans Nzoia, Baringo, Uasin Gishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia)** are likely to experience mainly sunny intervals in the morning throughout the forecast period. Afternoon/evening showers and thunderstorms are expected over several places between Tuesday and Thursday and over few places the remainder of the forecast period.

**Northwestern (Counties of Turkana, West Pokot and Samburu)** is likely to experience sunny intervals during the day and partly cloudy conditions at night throughout the forecast period.

**Highlands East of the Rift Valley (including Nairobi area) (Counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka)** are likely to experience cool and cloudy conditions in the morning breaking into sunny intervals for the rest of the day throughout the forecast period. However, there is a possibility of afternoon/evening showers occurring over few places.

**Northeastern (Counties of Marsabit, Mandera, Wajir, Garissa and Isiolo)** is likely to experience sunny intervals during the day and partly cloudy conditions at night throughout the forecast period. However, there is a possibility of afternoon showers over few places (parts of Garissa) on Tuesday.

**Southeastern Lowlands (Counties of Kajiado, Kitui, Makueni, Machakos and Taita Taveta)** are likely to experience sunny intervals during the day and partly cloudy conditions at night much of the forecast period. However, there is a possibility of afternoon showers over few places on Tuesday.

**The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale):** is likely to experience mainly sunny intervals during the day and partly cloudy conditions at night for much of the forecast period. However, there is a possibility of morning showers on Tuesday, Wednesday, and Sunday.

***N.B: This forecast should be used in conjunction with the daily (24-hour) forecast issued by this Department.***

#### KEY OF SCIENTIFIC WORDS USED

<i>Rainfall coverage</i>	
<i>Term</i>	<i>Meaning</i>
Most Places	Between 66% and 100%
Several Places	Between 33% and 66%
Few Places	Below 33%

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