



REPUBLIC OF KENYA

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KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 30<sup>TH</sup> JULY TO  
5<sup>TH</sup> AUGUST, 2019

Issue date: 29<sup>th</sup> July, 2019

Review of weather for the last seven-day  
period (22<sup>nd</sup> to 28<sup>th</sup> July, 2019):

- Significant rainfall was reported over the Highlands West and East, the Central, North and South Rift Valley and the Northwest;
- There was an increase in rainfall amounts over the Northwest and some parts Highlands West and East of the Rift Valley;
- Both day-time (maximum) and night time temperatures generally increased over some parts and decreased over other parts of the country.

Forecast for the next seven days (30<sup>th</sup>  
July to 5<sup>th</sup> August, 2019):

The forecast indicates that:

- Cool cloudy conditions are expected over the Highlands East of the Rift Valley (including Nairobi area).
- Rainfall is expected to continue over the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley the Northwest and the Coast;
- Strong winds of greater than 25 knots expected over the Eastern half of the country with large waves over the

## 1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (22<sup>ND</sup> TO 28<sup>TH</sup> JULY, 2019)

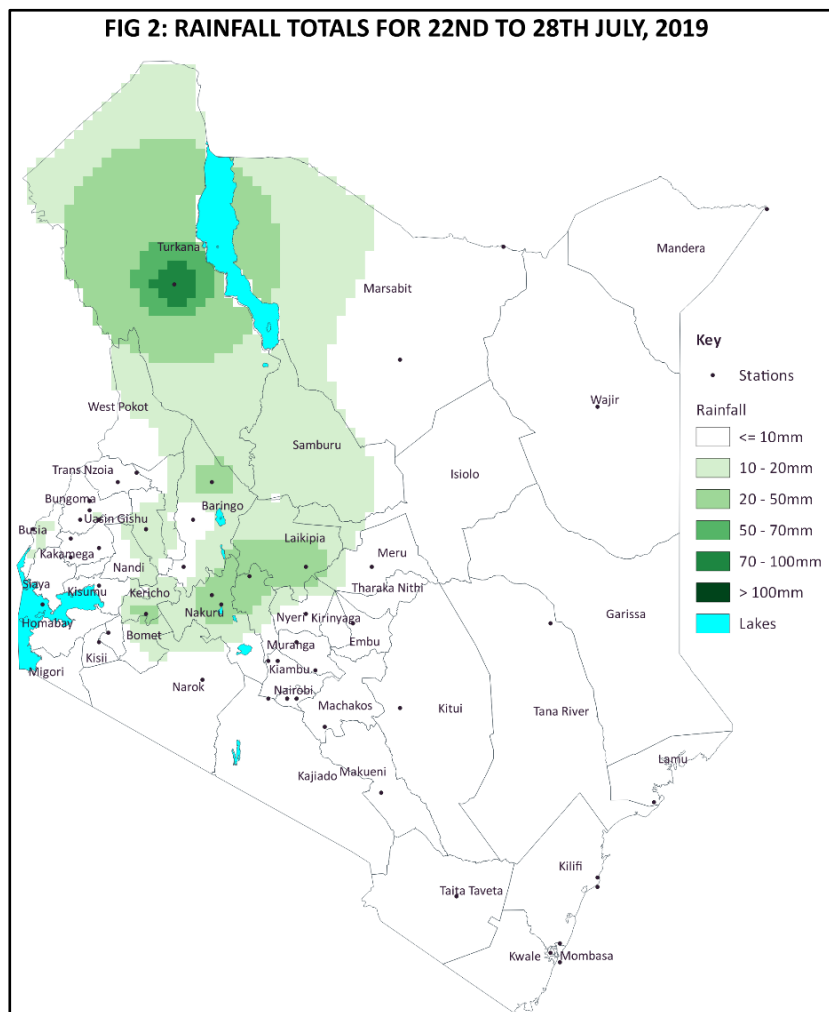
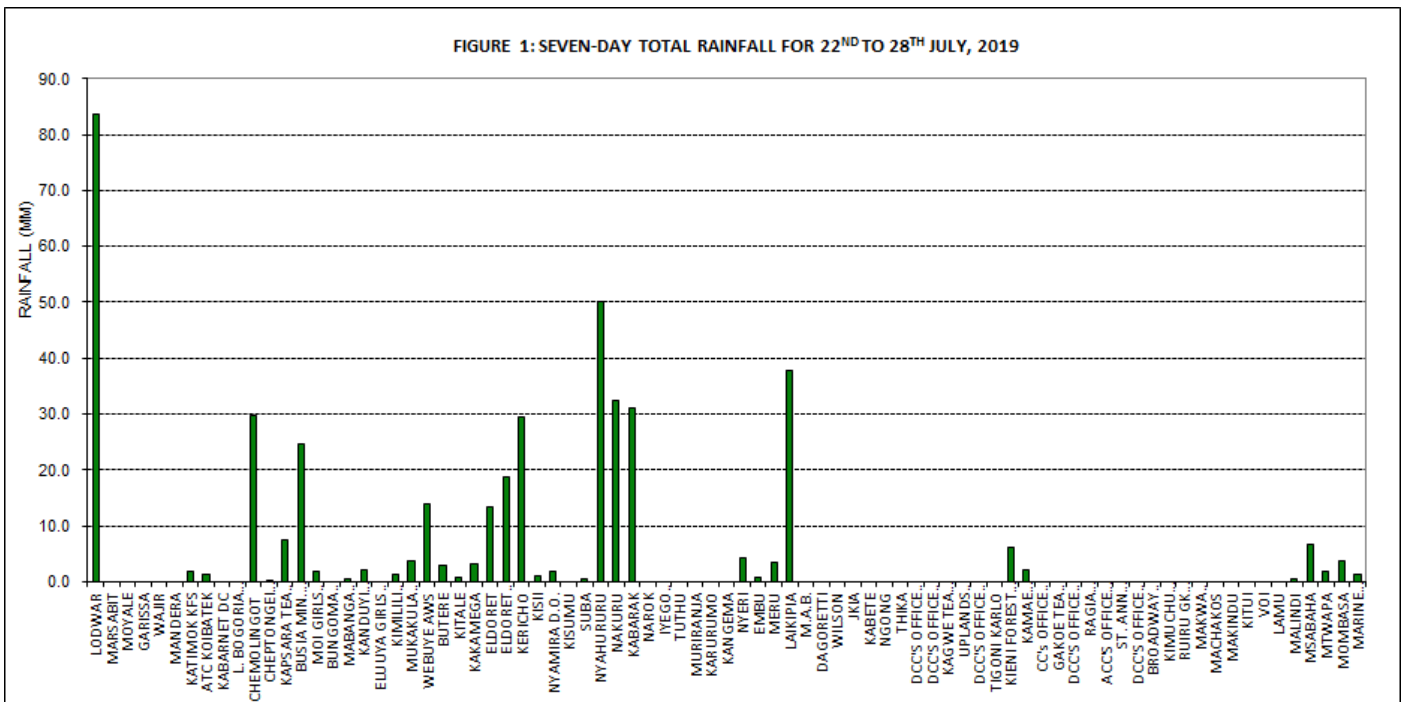
### 1.1 Rainfall Review

Significant rainfall was reported over the Highlands West and East of the Rift Valley and the Central, North, South Rift Valley and the Northwest, as depicted in **Figure 1**. The Coastal region received light rainfall, while the Southeast Lowlands and the Northeast remained dry. A comparison between the previous review period (15<sup>th</sup> to 21<sup>st</sup> July, 2019) and the current review period (22<sup>nd</sup> to 28<sup>th</sup> July, 2019) indicates decreases in rainfall amounts over much of the country apart from a few parts within the Northwest and the Highlands West and East of the Rift Valley.

Lodwar Meteorological Station recorded the highest seven-day total rainfall of 83.6mm. Other stations that recorded significant rainfall totals during the review period include Nyahururu Meteorological Station (50.1mm), Laikipia Meteorological Station (37.9mm), Nakuru Meteorological Station (32.5mm), Kabarak Meteorological Station (31.1mm), Chemolingot Rainfall Station in Baringo County (29.8mm), Kericho Meteorological Station (29.5mm) as depicted in **Figure 2**.

Very Heavy rainfall of above 50mm within 24 hours was recorded in Lodwar Meteorological Station (72.3mm on 22<sup>nd</sup> July, 2019). Other stations that recorded heavy rainfall of between 20mm and

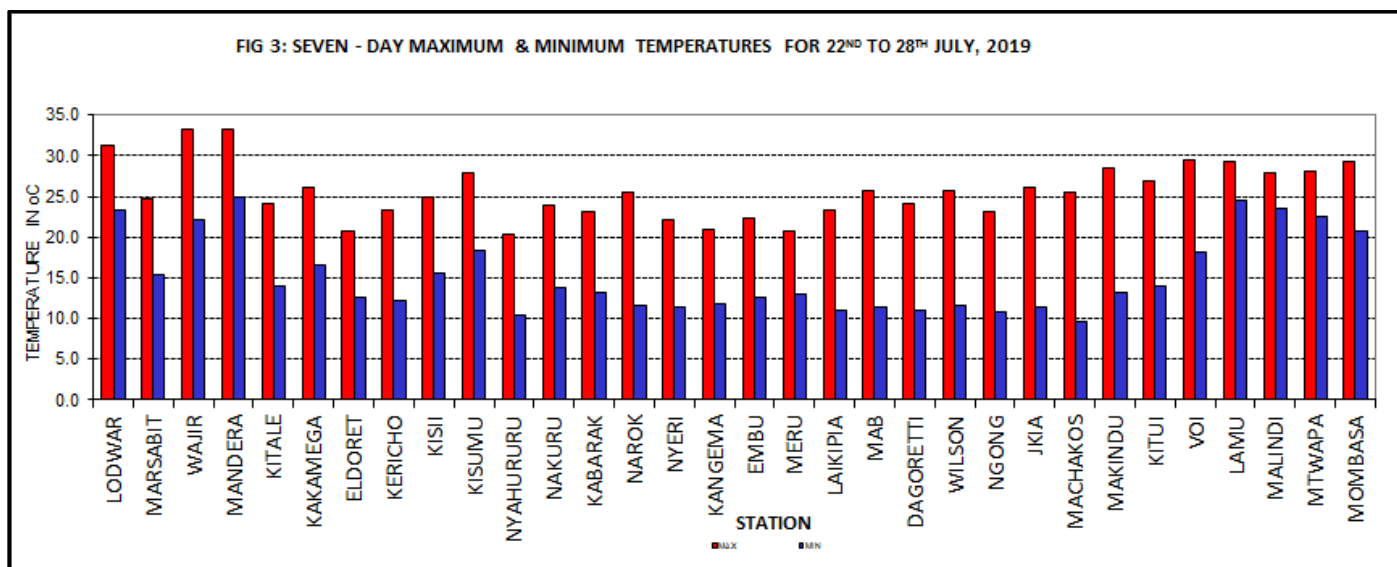
50mm include Kericho Meteorological Station (29.5mm on 24<sup>th</sup> July, 2019), Busia Ministry of Water Rainfall Station in Kakamega County (22.2mm on 28<sup>th</sup> July, 2019) and Kabarak Meteorological Station (20.7mm on 26<sup>th</sup> July, 2019).



## 1.2 Temperature Review

Comparing the previous review period (15<sup>th</sup> to 21<sup>st</sup> July, 2019) and the current review period (22<sup>nd</sup> to 28<sup>th</sup> July, 2019) it is noted that day-time (maximum) temperatures increased over some parts like Wilson Airport, Narok Machakos and Mombasa and decreased over others like Lodwar, Meru and Eldoret. Night-time (minimum) temperatures likewise increased over some stations including Nyahururu, Kitale and Lamu and decreased over others including MAB, Machakos, Embu and Voi.

Mandera Meteorological Station recorded the highest daily maximum temperature of 34.9°C on 28<sup>th</sup> July, 2019 while Moi Air Base Meteorological Station recorded the lowest daily minimum temperature of 7.5°C on 22<sup>nd</sup> July, 2019. Wajir and Mandera Meteorological Stations recorded the highest seven-day average maximum temperature of 33.2°C while Machakos Meteorological Station recorded the lowest seven-day average minimum temperatures of 9.5°C (see **Figure 3** below).



## 2. FORECAST FOR THE NEXT SEVEN DAYS FROM 30<sup>TH</sup> JULY TO 5<sup>TH</sup> AUGUST, 2019.

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

- Cool cloudy conditions are expected over the Highlands East of the Rift Valley (including Nairobi area). See **Figures 4 & 5** below.
- Rainfall is expected to continue over the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley the Northwest and the Coast. See **Figure 6** below
- Strong winds of greater than 25 knots expected over the Eastern half of the country with large waves over the ocean.

### DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 30<sup>TH</sup> JULY TO 5<sup>TH</sup> AUGUST, 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 (with occasional rains over few places). Afternoon/evening showers and thunderstorms are expected over few places much of the forecast period.**

**Northwestern (Counties of Turkana, West Pokot and Samburu) is likely to experience morning rains and afternoon/evening showers and thunderstorms over few places for much of 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 cloudy mornings (with occasional light rains over few places) breaking into sunny intervals throughout the forecast period. There is a chance of afternoon/evening showers occurring over few high ground areas throughout the forecast period.

**Northeastern (Counties of Marsabit, Mandera, Wajir, Garissa and Isiolo)** is likely to experience sunny intervals during the day and partly cloudy conditions at night much of the forecast period. However afternoon/evening showers may occur over few places on Friday.

**Southeastern Lowlands (Counties of Kajiado, Kitui, Makeni, Machakos and Taita Taveta)** are likely to experience morning cloudiness giving way to sunny intervals for the rest of the day much of the forecast period. Nights are expected to be partly cloudy. However afternoon/evening showers may occur over few places on Friday.

**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 much of the forecast period. However morning showers may occur over few places between Tuesday and Saturday.

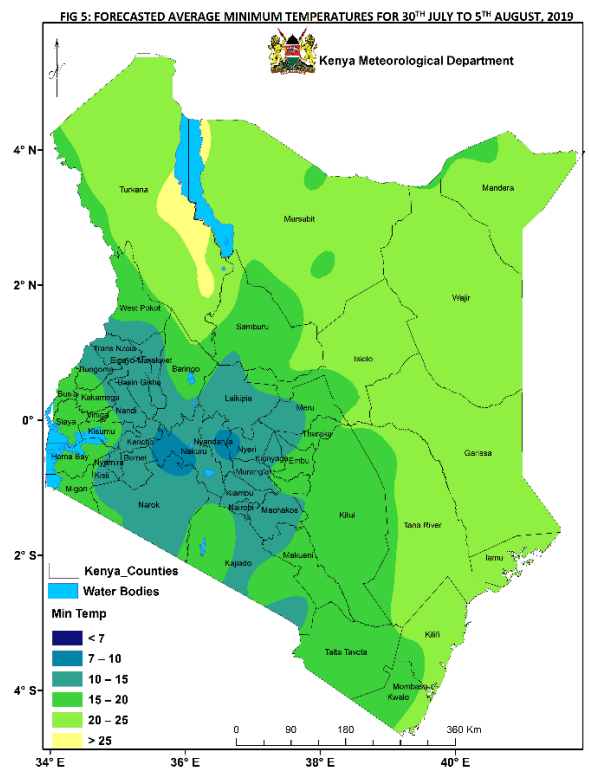
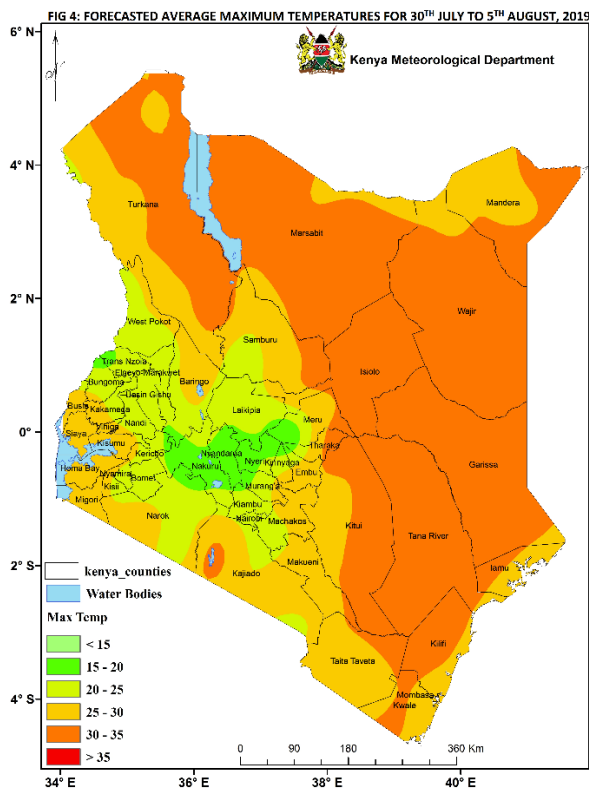
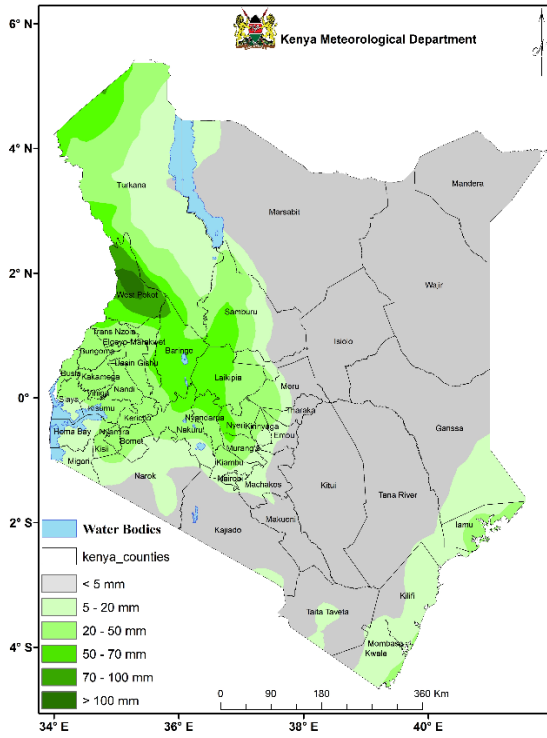


FIG 6: FORECASTED CUMULATED RAINFALL AMOUNTS FOR 30<sup>TH</sup> JULY TO 5<sup>TH</sup> AUGUST, 2019



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

**KEY OF SCIENTIFIC WORDS USED**

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

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

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