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 MINISTRY OF ENVIRONMENT & FORESTRY
 KENYA METEOROLOGICAL DEPARTMENT

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SEVEN-DAY WEATHER FORECAST VALID FROM 27TH JULY TO 2ND AUGUST, 2021

HIGHLIGHTS

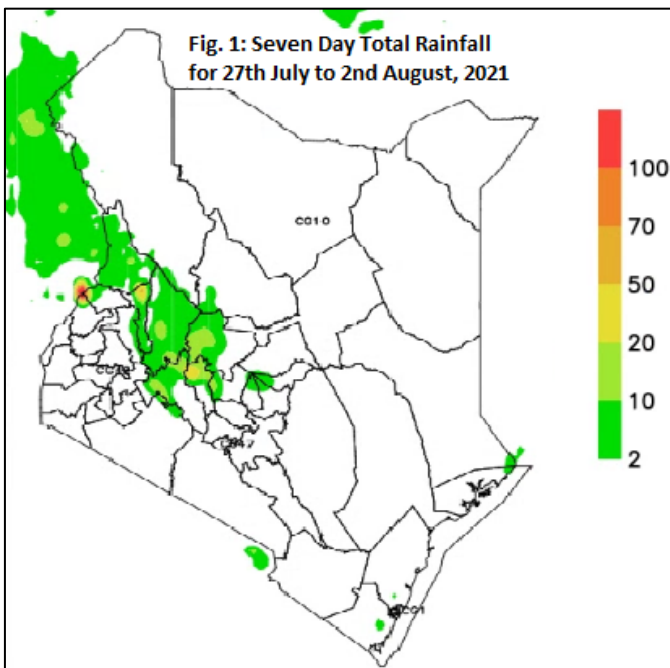
Weather forecast for 27th July to 2nd August, 2021:

- Rainfall is expected over few places in the Highlands West of the Rift Valley, the Lake Victoria Basin, the South and Central Rift Valley, the Northwest and the Highlands East of the Rift Valley. Isolated storms are likely to occur over some parts of the Highlands West of the Rift Valley.
- Cold and cloudy conditions, accompanied by occasional light rains, are expected over the Highlands East of the Rift Valley (including Nairobi County) as well as over some parts of the South-eastern Lowlands, the Central and South Rift Valley and the Highlands West of the Rift Valley.
- Strong southerly to south-easterly winds with speeds exceeding 25 knots (12.9 m/s) are expected over the Coast, Northeast and some parts of the South-eastern Lowlands.

Weather review for 19th to 25th July, 2021:

- Moderate to heavy rainfall was recorded in several parts of the Highlands West of the Rift Valley and the Northwest as well as in a few stations in the Central and South Rift Valley and Highlands East of the Rift Valley.
- Few stations in the Lake Victoria Basin, the Northeast and the Coast recorded light to moderate rainfall.
- The South-eastern Lowlands were generally dry.
- Both day-time (maximum) temperatures and night-time (minimum) temperatures increased over some stations and decreased over others.

1 WEATHER FORECAST FOR 27TH JULY TO 2ND AUGUST, 2021



Rainfall is expected over few places in the Highlands West of the Rift Valley, the Lake Victoria Basin, the South and Central Rift Valley, the Northwest and the Highlands East of the Rift Valley. Isolated storms are likely to occur over some parts of the Highlands West of the Rift Valley.

The Northeast, the coast and the South-eastern Lowlands are likely to be generally dry.

Cold and cloudy conditions, accompanied by occasional light rains are expected over the Highlands East of the Rift Valley (including Nairobi County) as well as over some parts of

the South-eastern Lowlands, the Central and South Rift Valley and the Highlands West of the Rift Valley.

Strong southerly to south-easterly winds with speeds exceeding 25 knots (12.9 m/s) are expected over some parts of the Coast, the South-eastern Lowlands and the Northeast.

1.1 DETAILED REGIONAL WEATHER FORECAST FOR 27TH JULY TO 2ND AUGUST, 2021

1.1.1 The Lake Victoria Basin and the Highlands West of the Rift Valley (Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Trans Nzoia, Uasin Gishu, Elgeyo-Marakwet, Nandi, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia Counties)

Mornings are likely to be generally sunny. However, there is a likelihood of morning rains occurring over few places at the beginning of the forecast period. Afternoon/evening showers and thunderstorms are likely to occur over few places throughout the forecast period.

1.1.2 The Central and South Rift Valley (Baringo, Nakuru, Narok and Laikipia Counties)

Cold and cloudy conditions are expected in the morning. Afternoon and evening showers are likely to occur over few places throughout the forecast period.

Maximum temperatures are likely to range from 22°C to 25°C while minimum temperatures are expected to be between 10°C and 19°C.

1.1.3 The Northwest (Turkana, West Pokot and Samburu Counties)

Mornings are likely to be generally sunny. Occasional afternoon/evening showers are likely to occur over few places especially along the border with Uganda.

Maximum temperatures are likely to range from 31°C to 33°C while minimum temperatures are expected to be between 23°C and 24°C.

1.1.4 The Highlands East of the Rift Valley (including Nairobi County) (Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, Tharaka and Nairobi Counties)

Cold and cloudy conditions are expected in the morning. Occasional afternoon showers are likely to occur over few places throughout the forecast period. Nights are expected to be generally partly cloudy.

Maximum temperatures are likely to range from 20°C to 24°C while minimum temperatures are expected to be between 9°C and 15°C.

1.1.5 The Northeast (Marsabit, Mandera, Wajir, Garissa and Isiolo Counties)

Days are expected to be sunny and nights to be partly cloudy.

Maximum temperatures are likely to range from 23°C to 35°C while minimum temperatures are expected to be between 3°C and 23°C.

1.1.6 The South-eastern Lowlands (Machakos, Kitui, Makueni, Kajiado and Taita Taveta Counties)

Cold and cloudy conditions are expected to continue in the morning. Afternoons are expected to be sunny and nights partly cloudy.

Maximum temperatures are likely to range from 20°C to 29°C while minimum temperatures are expected to be between 10°C and 17°C.

1.1.7 The Coast (Mombasa, Tana River, Kilifi, Lamu and Kwale Counties):

Days are expected to be sunny and nights partly cloudy.

Maximum temperatures are likely to range from 26°C to 28°C while minimum temperatures are expected to be between 22°C and 24°C.

2 WEATHER REVIEW FOR 19TH TO 25TH JULY, 2021

2.1 Rainfall Review

Moderate to heavy rainfall was recorded in several parts of the Highlands West of the Rift Valley and the Northwest as well as in a few stations in the Central and South Rift Valley and Highlands East of the Rift Valley as depicted in **Figures 2 & 3**. Few stations in the Lake Victoria Basin, Northeast and the Coast recorded light to moderate rainfall. The South-eastern Lowlands were generally dry.

A comparison between the previous review period (12th to 18th July 2021) and the current review period (19th to 25th July 2021) indicates a general decrease in rainfall amounts over several parts of the country.

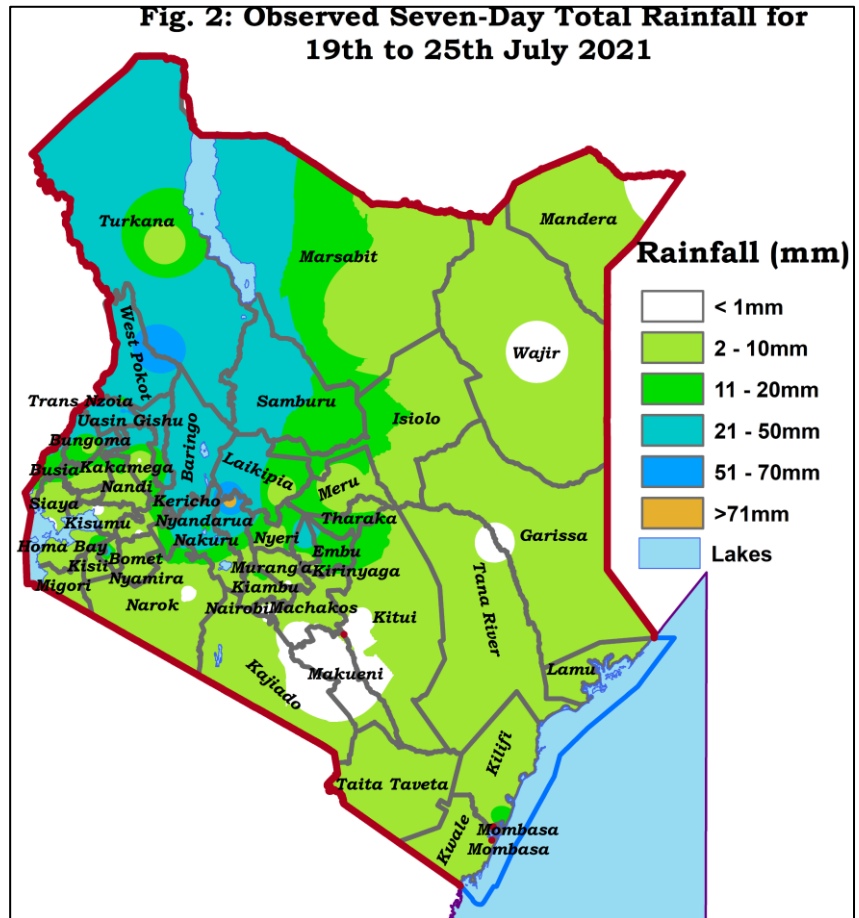
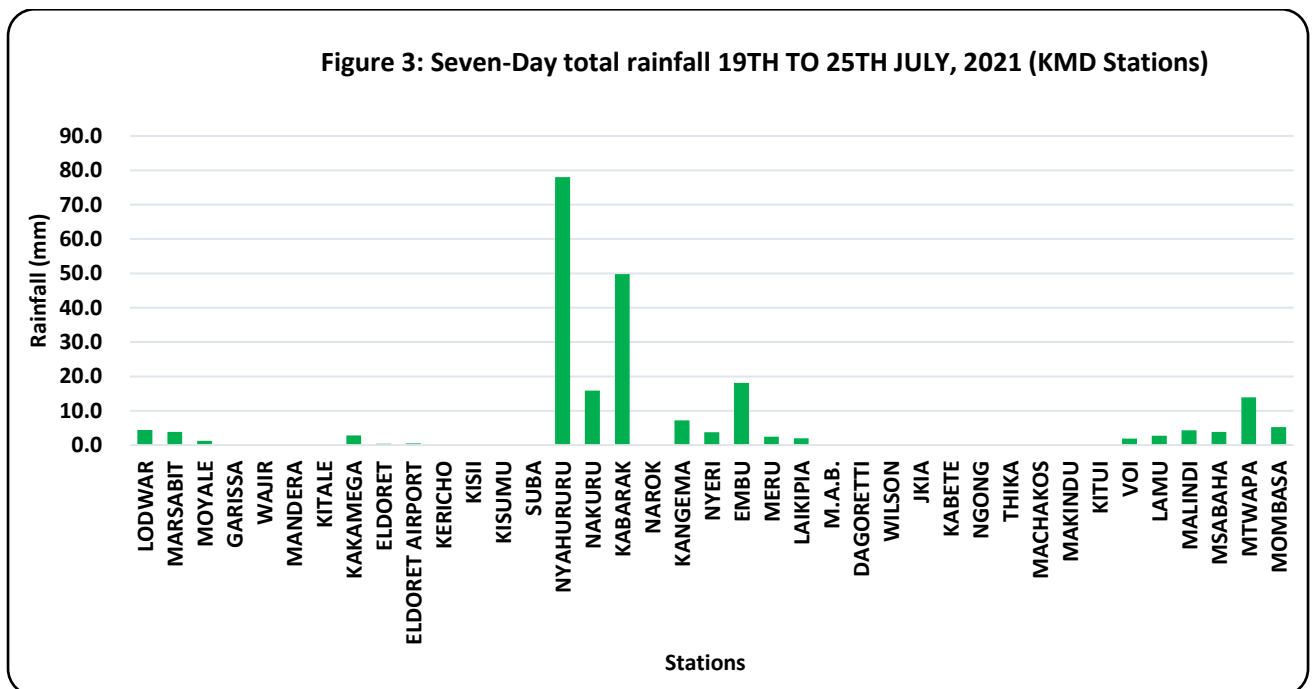


Figure 3: Seven-Day total rainfall 19TH TO 25TH JULY, 2021 (KMD Stations)



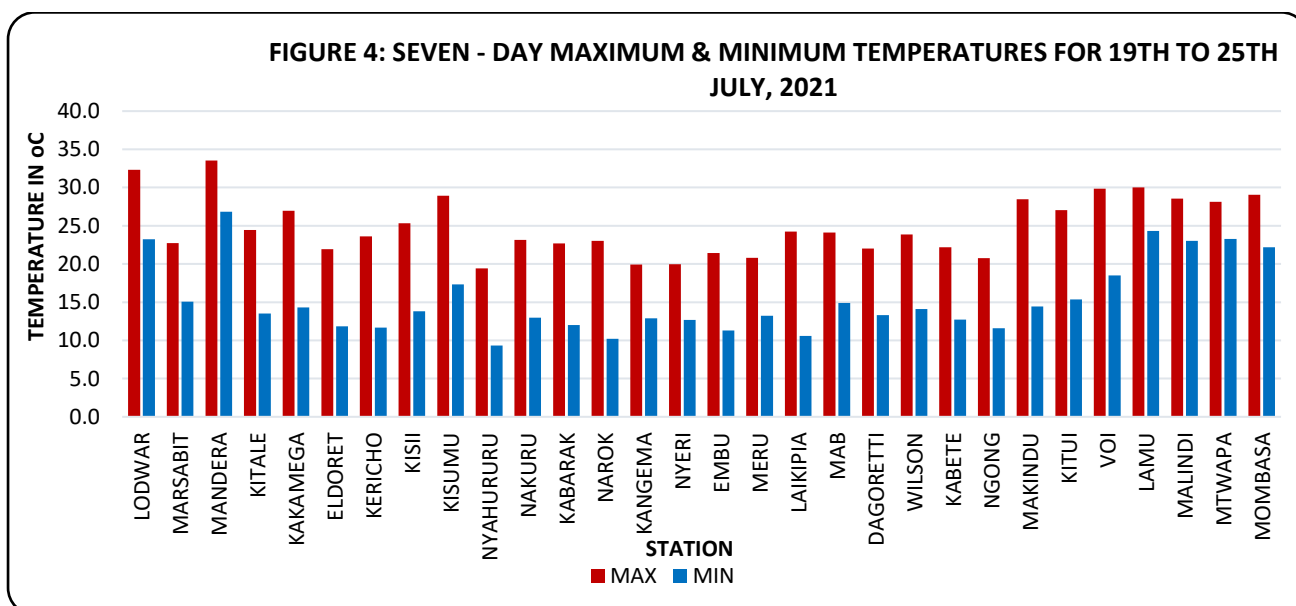
Nyahuru Meteorological Station in Laikipia County recorded the highest seven-day total rainfall of 78.0mm.

The station also recorded the highest amount of rainfall within 24-hours: 47.1mm on 20th July, 2021.

2.2 Temperature Review

Comparing the previous review period (12th to 18th July 2021) to the current review period (19th to 25th July 2021), it is noted that day-time (maximum) temperatures increased over several stations including Narok, Kisumu and Kisii and decreased over others including Meru, Marsabit and Nyeri. Night-time (minimum) temperatures decreased over most stations although a few including Dagoretti, Kangema and Lamu recorded slight increases.

Mandera Meteorological Station recorded the highest daily maximum temperature of 36.0°C on 22nd July, 2021 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 7.4°C on the same day. The same stations recorded the highest seven-day average maximum temperatures of 33.5°C and the lowest seven-day average minimum temperatures of 9.3°C respectively. See **Figure 4** below.



N.B: This forecast should be used in conjunction with the daily (24-hour) and five-day forecasts issued by this Department. County weekly forecasts are available from the County Directors of Meteorology across the country.

KEY OF SCIENTIFIC WORDS USED

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

<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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