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**SEVEN-DAY WEATHER FORECAST: 11 – 17 MAY 2021**

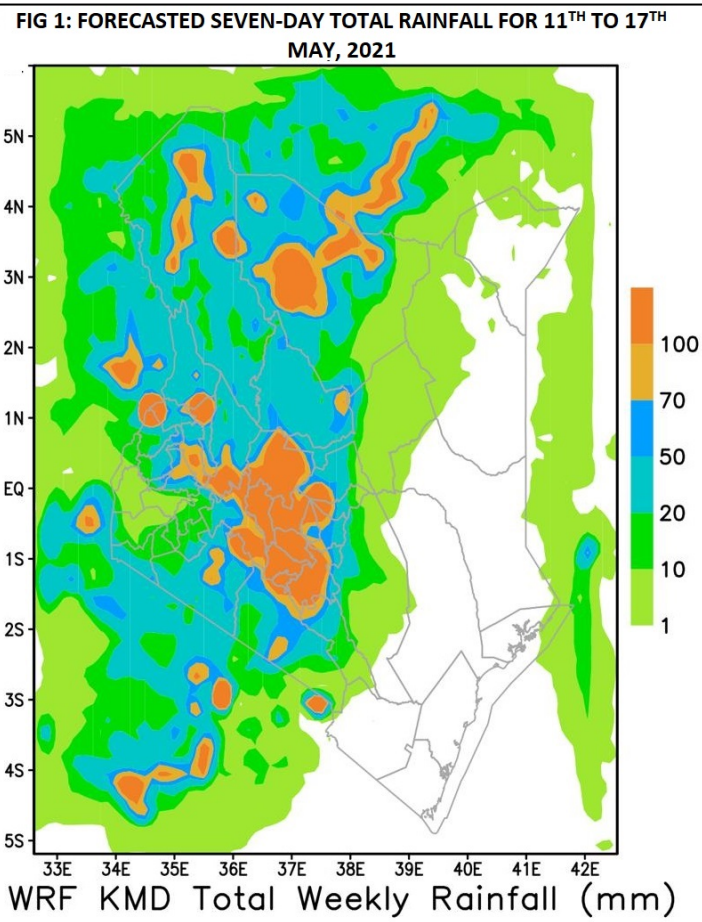
**Forecast for the May 11<sup>th</sup> to 17<sup>th</sup> 2021 seven-day period:**

- Several parts of the country are likely to continue receiving rainfall.
- Heavy rainfall (more than 30mm within 24 hours) is expected over some parts of the Highlands West of the Rift Valley, Lake Victoria Basin, Central Rift Valley, Northwest, South-eastern Lowlands, Northeast and the Highlands East of the Rift Valley (including Nairobi County) during the first half of the forecast period.
- Rainfall intensities are likely to reduce over most parts of the country during the second half of the forecast period.

**Review of weather for the last seven-day period (3<sup>rd</sup> to 9<sup>th</sup> May, 2021):**

- Rainfall was recorded over most parts of the country. There was a significant increase in rainfall amounts over most areas.
- Day-time (maximum) temperatures decreased throughout the country while night-time (minimum) temperatures increased over some stations and decreased over others.

**1 FORECAST FOR THE MAY 11 – 17 2021 SEVEN-DAY PERIOD**



Several parts of the country are likely to continue receiving rainfall as depicted in **Figure 1**.

Heavy rainfall (more than 30mm within 24 hours) is expected over some parts of the Highlands West of the Rift Valley, the Lake Victoria Basin, the Central Rift Valley, the Northwest, the South-eastern Lowlands, the Northeast and the Highlands East of the Rift Valley (including Nairobi County) during the first half of the forecast period.

Due to already high-water levels in rivers and other water retention areas, it is likely that the rains may cause flooding over flood plains and other areas not well drained. Mudslides and landslides are also likely to occur on hilly areas of the Highlands West of the Rift Valley and the Highlands East of the Rift Valley due to

already saturated soils.

Rainfall intensities are likely to reduce over most parts of the country during the second half of the forecast period.

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

## **1.1 DETAILED REGIONAL FORECAST FOR THE MAY 11 – 17 2021 SEVEN-DAY PERIOD**

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

Morning rains are expected over several places on Tuesday and over a few places on Wednesday and Thursday. The rest of the mornings are likely to be sunny. Afternoon showers and thunderstorms are likely to occur over several places during the first half of the forecast period and over a few places thereafter. Evening showers are expected over a few places throughout the forecast period.

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

Morning rains as well as afternoon and evening showers are expected over a few places during the first half of the forecast period. The second half of the forecast period is likely to be generally dry.

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

Morning rains are expected over several places on Tuesday and Wednesday and over a few places on Thursday and Friday. The rest of the mornings are likely to be sunny. Afternoon and evening showers and thunderstorms are likely to occur over a few places during the first half of the forecast period. The rest of the afternoons are likely to be sunny and nights partly cloudy.

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

Morning rains are expected over several places on Tuesday and over a few places on Wednesday and Thursday. The rest of the mornings are likely to be cloudy breaking into sunny intervals. Afternoon showers are expected over several places during the first half of the forecast period and over a few places thereafter. Evening showers are likely to occur over few to several places during the first half of the forecast period. The remaining nights are expected to be partly cloudy.

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

Morning rains are likely to occur over a few places during the first half of the forecast period. The rest of the mornings are likely to be sunny. Afternoon and evening showers are likely to occur over a few places during the first half of the forecast period. The rest of the afternoons are likely to be sunny and nights partly cloudy.

### 1.1.6 The South-eastern Lowlands (Machakos and Kajiado Counties)

Morning rains are expected over several places on Tuesday and over a few places on Wednesday and Thursday. The rest of the mornings are likely to be sunny. Afternoon/evening showers are likely to occur over a few places during the first half of the forecast period. The rest of the afternoons are likely to be sunny and nights partly cloudy.

### The South-eastern Lowlands (Kitui, Makueni and Taita Taveta Counties)

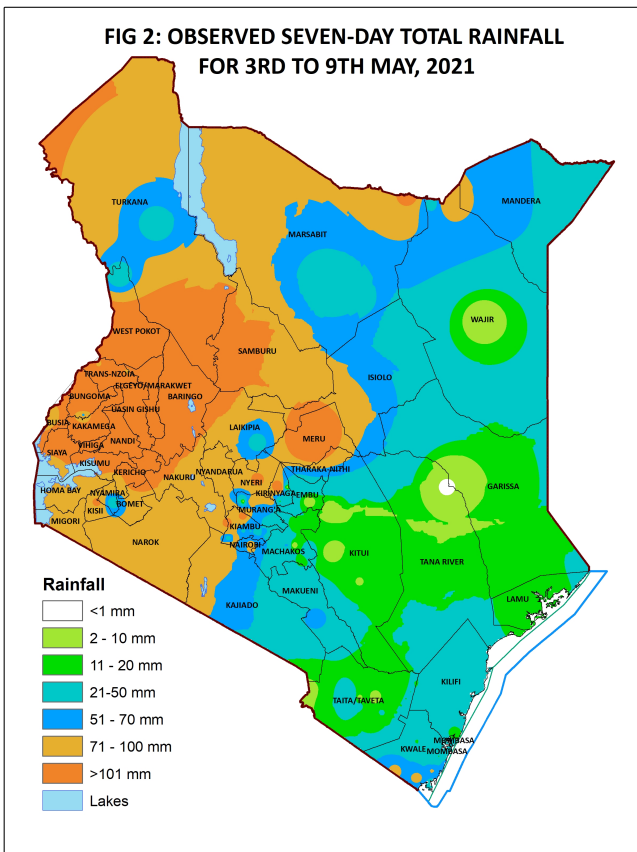
Days are expected to be generally sunny and nights partly cloudy. However, there is a possibility of occasional morning rains/afternoon showers occurring over a few places.

### 1.1.7 The Coastal Strip (Mombasa, Tana River, Kilifi, Lamu and Kwale Counties):

Days are expected to be generally sunny and nights partly cloudy. However, there is a possibility of occasional morning showers occurring over a few places.

## 2 WEATHER REVIEW OF THE LAST SEVEN DAYS (3<sup>RD</sup> TO 9<sup>TH</sup> MAY, 2021)

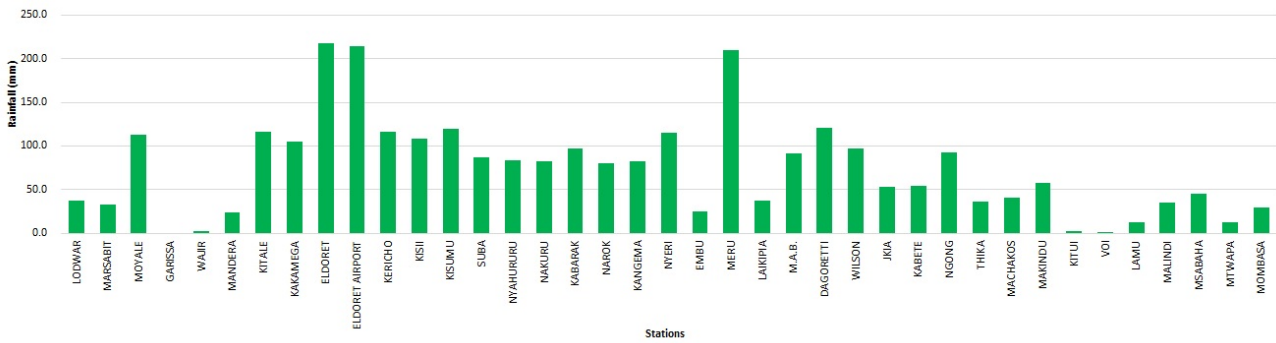
### 2.1 Rainfall Review



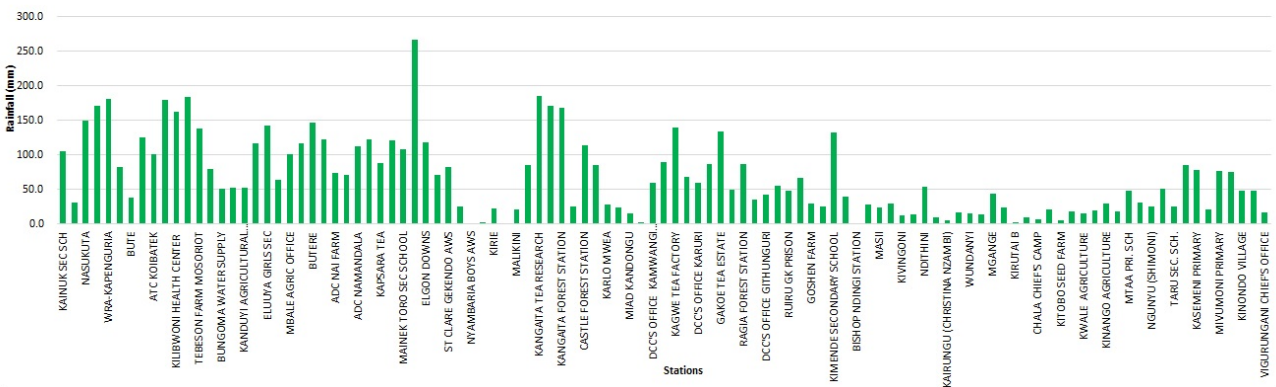
Rainfall was recorded over most parts of the country as depicted in **Figures 2, 3 and 4.**

A comparison between the previous review period (26<sup>th</sup> April to 2<sup>nd</sup> May, 2021) and the current review period (3<sup>rd</sup> to 9<sup>th</sup> May, 2021) indicates a significant increase in rainfall amounts over most parts of the country.

**FIGURE 3: SEVEN-DAY TOTAL RAINFALL 3<sup>RD</sup> TO 9<sup>TH</sup> MAY, 2021 (KMD STATIONS)**



**FIGURE 4: SEVEN-DAY TOTAL RAINFALL 3<sup>RD</sup> TO 9<sup>TH</sup> MAY, 2021 (VOLUNTEER STATIONS)**



The rainfall station at Suam Orchards in Trans-Nzoia County recorded the highest seven-day total rainfall of 267.0mm. Other stations that recorded significant rainfall totals during the review period are shown in **Table 1**.

**TABLE 1: STATIONS WITH SIGNIFICANT SEVEN-DAY RAINFALL TOTALS**

STATION	COUNTY	SEVEN-DAY TOTAL RAINFALL (mm)
ELDORET METEOROLOGICAL STATION	UASIN GISHU	217.9
ELDORET INTERNATIONAL AIRPORT METEOROLOGICAL STATION	UASIN GISHU	213.8
MERU METEOROLOGICAL STATION	MERU	210.2
KANGAITA TEA RESEARCH RAINFALL STATION	KIRINYAGA	185.8
BARATON, UNIVERSITY OF EAST AFRICA RAINFALL STATION	NANDI	184.5
WRA-KAPENGURIA RAINFALL STATION	WEST POKOT	181.3
KABARNET DC RAINFALL STATION	BARINGO	179.7
KANGAITA TEA FARM RAINFALL STATION	KIRINYAGA	171.6
KAIBOS MIXED SEC SCHOOL RAINFALL STATION	WEST POKOT	170.9
KANGAITA FOREST RAINFALL STATION	KIRINYAGA	168.9

Meru Meteorological Station recorded the highest amount of rainfall within 24-hours: 151.1mm on 4<sup>th</sup> May, 2021. Other stations that recorded very heavy rainfall (more than 50mm within 24 hours) are shown in **Table 2**.

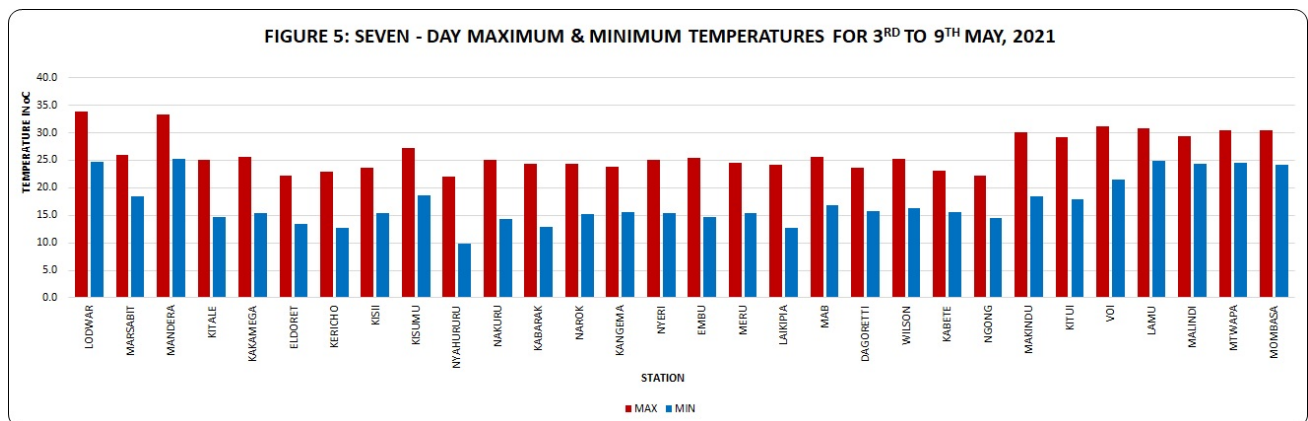
**TABLE 2: STATIONS THAT RECORDED VERY HEAVY RAINFALL**

STATION	COUNTY	AMOUNT (mm)	DATE
SUAM ORCHARDS RAINFALL STATION	TRANS NZOIA	99.0	7 <sup>th</sup> May, 2021
DZOMBO PRIMARY RAINFALL STATION	KWALE	84.8	3 <sup>rd</sup> May, 2021
DAGORETTI METEOROLOGICAL STATION	NAIROBI	79.4	9 <sup>th</sup> May, 2021
KASEMENI PRIMARY RAINFALL STATION	KWALE	77.9	3 <sup>rd</sup> May, 2021
MIVUMONI PRIMARY RAINFALL STATION	KWALE	76.5	3 <sup>rd</sup> May, 2021
UWANJA WA NDEGE (LUNGA LUNGA) RAINFALL STATION	KWALE	75.0	3 <sup>rd</sup> May, 2021
KABARNET DC RAINFALL STATION	BARINGO	72.5	8 <sup>th</sup> May, 2021
ELDORET METEOROLOGICAL STATION	UASIN GISHU	67.2	7 <sup>th</sup> May, 2021
TIGONI KALRO RAINFALL STATION	KIAMBU	64.5	7 <sup>th</sup> May, 2021
ELDORET INTERNATIONAL AIRPORT METEOROLOGICAL STATION	UASIN GISHU	59.7	7 <sup>th</sup> May, 2021

## 2.2 Temperature Review

Comparing the previous review period (26<sup>th</sup> April to 2<sup>nd</sup> May, 2021) to the current review period (3<sup>rd</sup> to 9<sup>th</sup> May, 2021), it is noted that day-time (maximum) temperatures decreased throughout the country. Night-time (minimum) temperatures increased over some stations including Nyahururu, Laikipia and Narok and decreased over others including Kitui, Mombasa and Makindu.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 37.0°C on 5<sup>th</sup> May, 2021 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 7.6°C on 3<sup>rd</sup> May, 2021. The same stations recorded the highest seven-day average maximum temperatures of 33.9°C and the lowest seven-day average minimum temperatures of 9.9°C respectively. See **Figure 5** 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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