



REPUBLIC OF KENYA

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KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 16<sup>TH</sup> TO 22<sup>ND</sup>  
JULY, 2019

Issue date: 15<sup>th</sup> July, 2019

Review of weather for the last seven-day period (8<sup>th</sup> to 14<sup>th</sup> July, 2019):

- Significant rainfall was reported over the Highlands West the Central Rift Valley and the Coast;
- There was a general decrease in rainfall amounts over most parts of the country;
- Both day-time (maximum) increased over some stations and decreased in others and night-time (minimum) temperatures decreased over most stations.

Forecast for the next seven days (16<sup>th</sup> to 22<sup>nd</sup> July, 2019):

The forecast indicates that:

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

1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (8<sup>TH</sup> TO 14<sup>TH</sup> JULY, 2019)

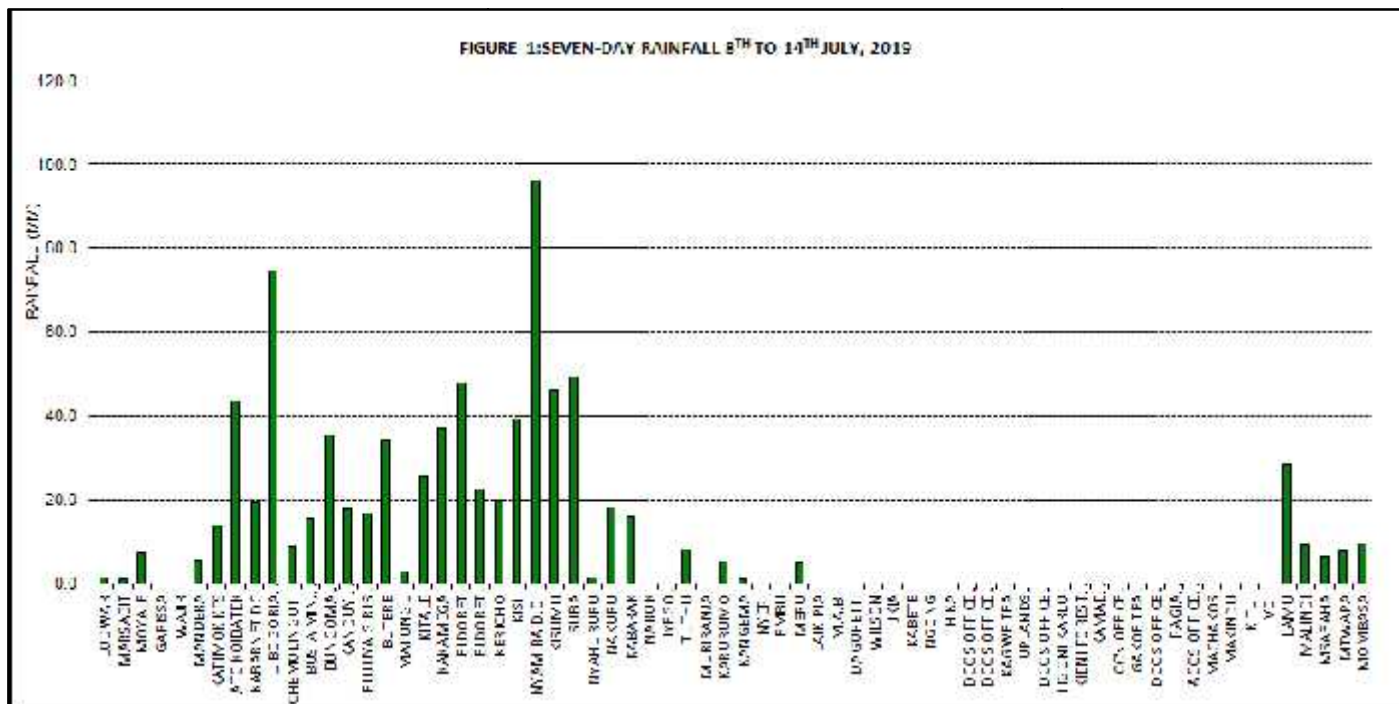
1.1 Rainfall Review

Significant rainfall was reported over the Lake Victoria Basin, and South Rift Valley, Highlands West the Central Rift Valley and the Coast, as depicted in **Figure 1**. The Central Highlands received light rainfall. The Northeast, the Northwest and the Southeast Lowlands remained mainly dry. A comparison between the previous seven days (1<sup>st</sup> to 7<sup>th</sup> July, 2019) with the period under review (8<sup>th</sup> to 14<sup>th</sup> July, 2019) indicates a general reduction in rainfall amounts across the country although some stations in the Western Highlands, the Lake Victoria Basin, the Rift Valley and the Coast recorded increases.

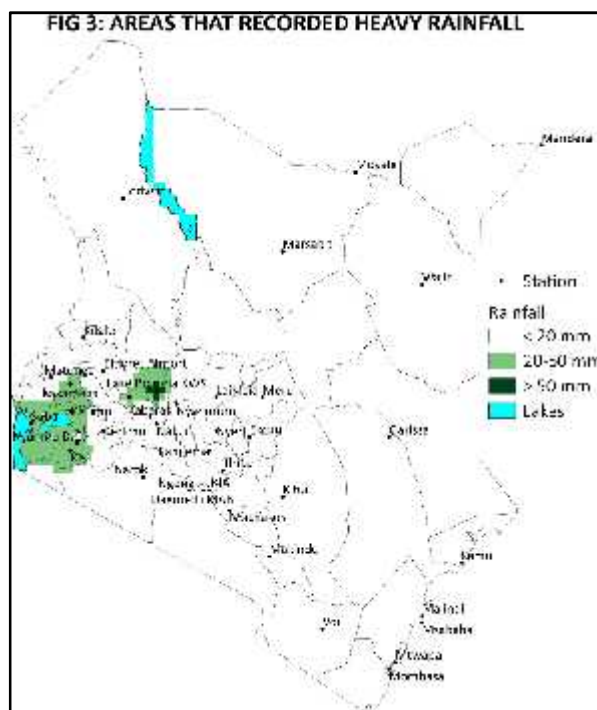
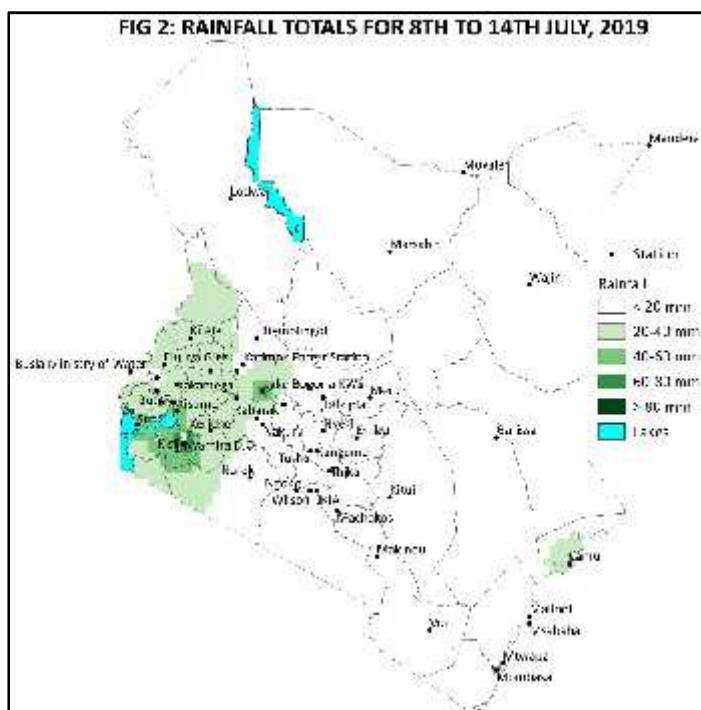
Nyamira Rainfall Station in Nyamira County recorded the highest seven-day total rainfall of 96.2mm. Other stations that recorded significant rainfall totals during the review period include L. Bogoria KWS Rainfall Station in Baringo County (74.8mm), Suba Meteorological Station (49.4mm), Eldoret Meteorological Station (47.7mm), Kisumu Meteorological Station (46.1mm), ATC Koibatek Rainfall Station in Baringo County (43.5mm), Kisii Meteorological Station (39.3mm), Kakamega Meteorological Station (37.0mm), (68.6mm), Bungoma Water Supply (35.2mm) Rainfall Station in Bungoma

County, Butere Rainfall Station in Kakamega County (34.1mm), Lamu Meteorological Station (28.5mm), among others as depicted in **Figure 2**.

Very heavy rainfall (over 50mm within 24 hours) and heavy rainfall (between 20mm and 50mm within 24 hours) was recorded in the Central Rift Valley and various parts of the Western Highlands, the Lake Victoria Basin respectively. These include L. Bogoria KWS in Baringo County (64.8mm on 11<sup>th</sup> July, 2019), Kisumu Meteorological Station (42.3mm on 13<sup>th</sup> July, 2019), Suba Meteorological Station (35.6mm on 11<sup>th</sup> July, 2019) Eldoret Meteorological Station (33.5 mm on 12<sup>th</sup> July 2019) Nyamira D. O Rainfall Station in Nyamira County ( 32.2 mm on 13<sup>th</sup> July, 2019), among others as depicted in **Figure**



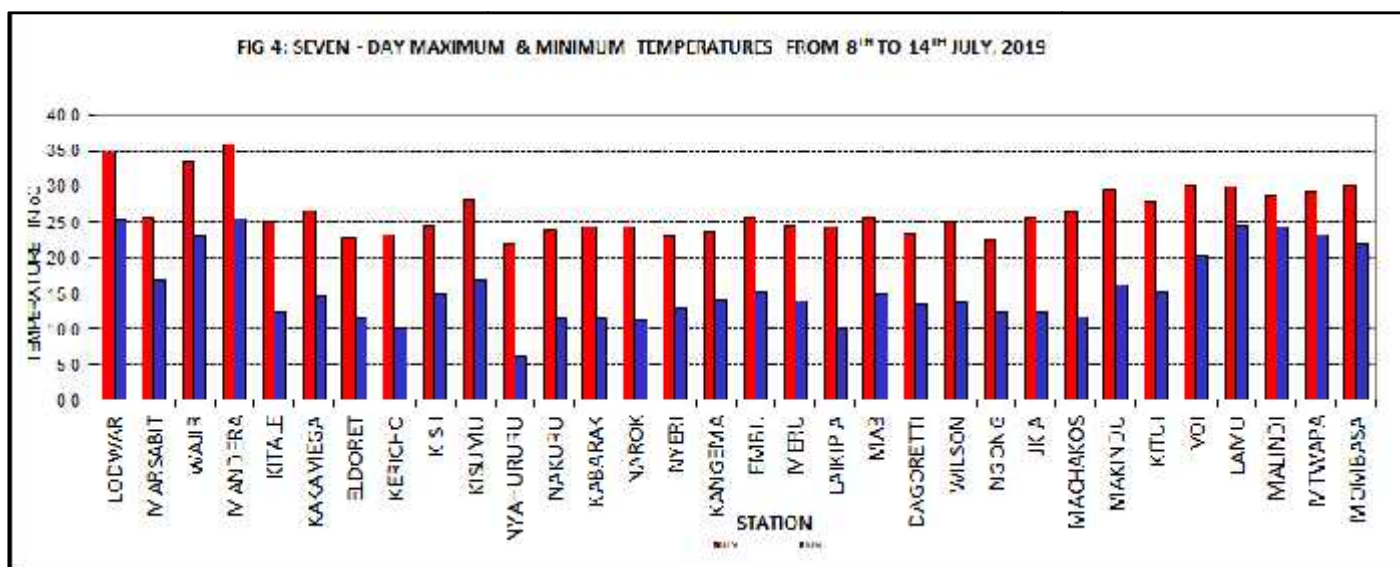
3.



## 1.2 Temperature Review

Comparing the previous seven days (1<sup>st</sup> to 7<sup>th</sup> July, 2019) with the period under review (8<sup>th</sup> to 14<sup>th</sup> July, 2019) it is noted that day-time (maximum) temperatures increased over some stations like Kangema, JKIA and Machakos and decreased in others like Wajir, Kakamega and Laikipia. Night-time (minimum) temperatures decreased over most stations apart from Embu, Marsabit, Voi, Kangema, Makindu, Meru, Mombasa and Mandera.

Mandera Meteorological Station recorded the highest daily maximum temperature of 37.6°C on 11<sup>th</sup> July, 2019 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 5.0°C on 8<sup>th</sup> July, 2019. The same stations also recorded the highest seven-day average maximum temperature of 36.0°C and the lowest seven-day average minimum temperature of 6.1°C respectively (see Figure 4 below).



## 2. FORECAST FOR THE NEXT SEVEN DAYS FROM 16<sup>TH</sup> TO 22<sup>ND</sup> JULY, 2019.

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

- Cool cloudy conditions are expected over the Central Highlands including Nairobi area. Cooler temperatures expected during the forecast period;
- Rainfall is expected to continue over the Lake Victoria Basin, the Highlands West of the Rift Valley, the Central and South Rift Valley and the Coast;
- 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 16<sup>TH</sup> TO 22<sup>ND</sup> JULY, 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 light rains over few places). Afternoon/evening showers and thunderstorms are expected over few places throughout the forecast period.**

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

**Central Highlands (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. A chance of afternoon/evening showers are expected over few places (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.

**Southeastern Lowlands** (Counties of Kajiado, Kitui, Makueni, Machakos and Taita Taveta) are likely to experience morning cloudiness giving way to sunny intervals for the rest of the day throughout the forecast period. Nights are expected to be partly cloudy.

**The Coastal Strip** (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): is likely to experience showers over few places in the morning between Tuesday and Friday. Afternoon showers expected over few places between Tuesday and Thursday. Sunny intervals expected during the day for the remainder of the forecast period. Partly cloudy conditions expected at night throughout the forecast period.

**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 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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