



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

Dagoretti Corner, Ngong Road, P. O. Box 30259, 00100 GPO, Nairobi, Kenya
Telephone: 254 (0) 20 3867880-7, Fax: 254 (0) 20 3876955/3877373/3867888,
e-mail: director@meteo.go.ke, info@meteo.go.ke Website: <http://www.meteo.go.ke>

WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 7TH TO 13TH
MAY, 2019

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Review of weather for the last seven-day period (29th April to 5th May, 2019):

- Rainfall was recorded over several parts of the country.
- Day-time (maximum) temperatures increased over the Highland West of the Rift Valley and Northwestern parts and decreased over the Highland East, the Southeastern Lowlands and the Coastal region. Night-time (minimum) temperatures decreased over most parts of the country.

Forecast for the next seven days (7th to 13th May, 2019):

The forecast indicates that:

- Rainfall is expected to continue over few parts of the Country in the Coast, the Southeastern Lowlands and the Highlands West and East of the Rift Valley.
- Enhanced rainfall expected over the Southern Coastal region tomorrow.

1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (29TH APRIL TO 5TH MAY, 2019)

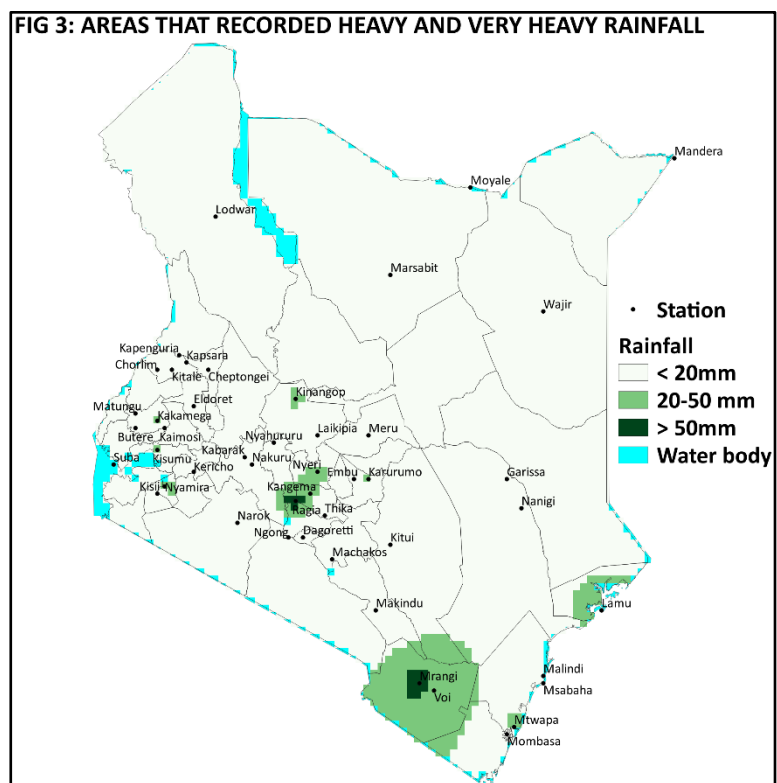
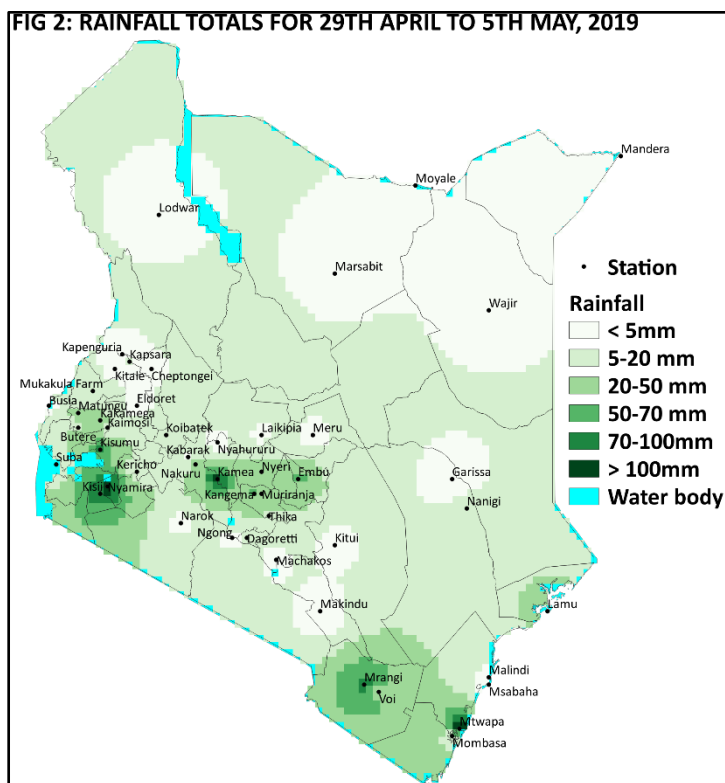
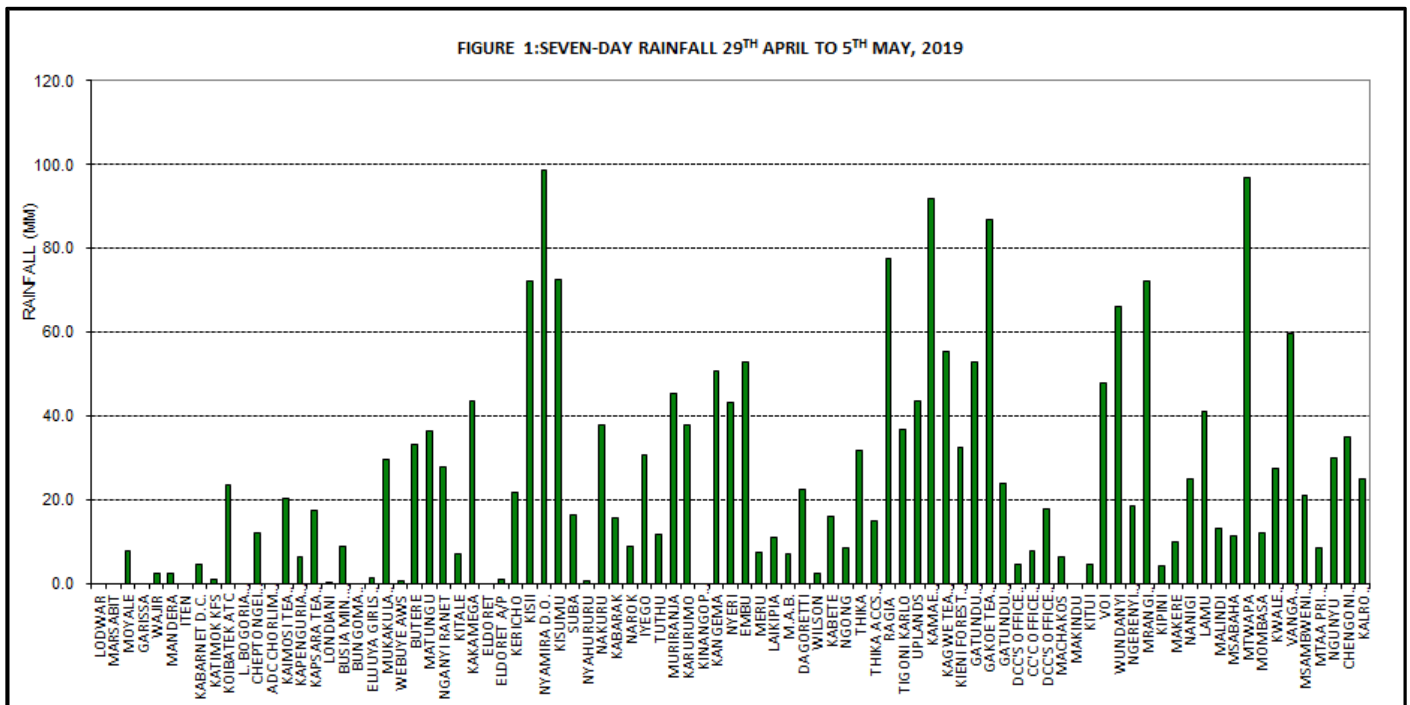
1.1 Rainfall Review

Rainfall was recorded over several parts of the country during the review period as depicted in **Figure 1**. This was more so over the Central Highlands, the Highlands West of the Rift Valley, the Coast and the Southeastern Lowlands. The Northeast and the Northwest parts of the country, however, remained generally sunny and dry. A comparison between the previous seven days (22nd to 28th April, 2019) with the period under review (29th April to 5th May, 2019) indicates that there was a decrease in rainfall amounts over the Highlands west of the Rift Valley and an increase over the Central Highlands the Southeastern Lowlands and the Coastal region.

Nyamira Rainfall Station in Kisii County recorded the highest seven-day total rainfall of 98.7mm. Other stations that recorded significant rainfall totals during the review period include Mtwapa Meteorological Station (96.8mm), Kamea Forest Rainfall Station in Kiambu County (92.0mm), Kisumu Meteorological Station (72.4mm), Kisii Meteorological Station (72.2mm), Mrangi Primary School Rainfall Station in Taita Taveta County (72.2mm), Vanga Fisheries Rainfall Station in Kwale County (59.6mm), Embu Meteorological Station (53.0mm), Kangema Meteorological Station (50.8mm), among others as depicted in **Figure 2**.

Ragia Forest Rainfall Station in Kiambu County recorded very heavy rainfall (above 50mm within 24hours) of 77.7mm on 4th May, 2019. Another station that recorded very heavy rainfall is Mrangi

Primary School Rainfall Station in Taita Taveta County 67.7mm on 5th May, 2019. Other stations that recorded heavy rainfall include Voi Meteorological Station 47.8mm, Vanga Fisheries Rainfall Station in Kwale County 40.3mm on 5th May, 2019, Mtwapa Meteorological Station 46.5mm on 3rd May, 2019, Nyamira Rainfall Station in Kisii County 45.4mm on 4th May, among others as depicted in **Figure 3**.

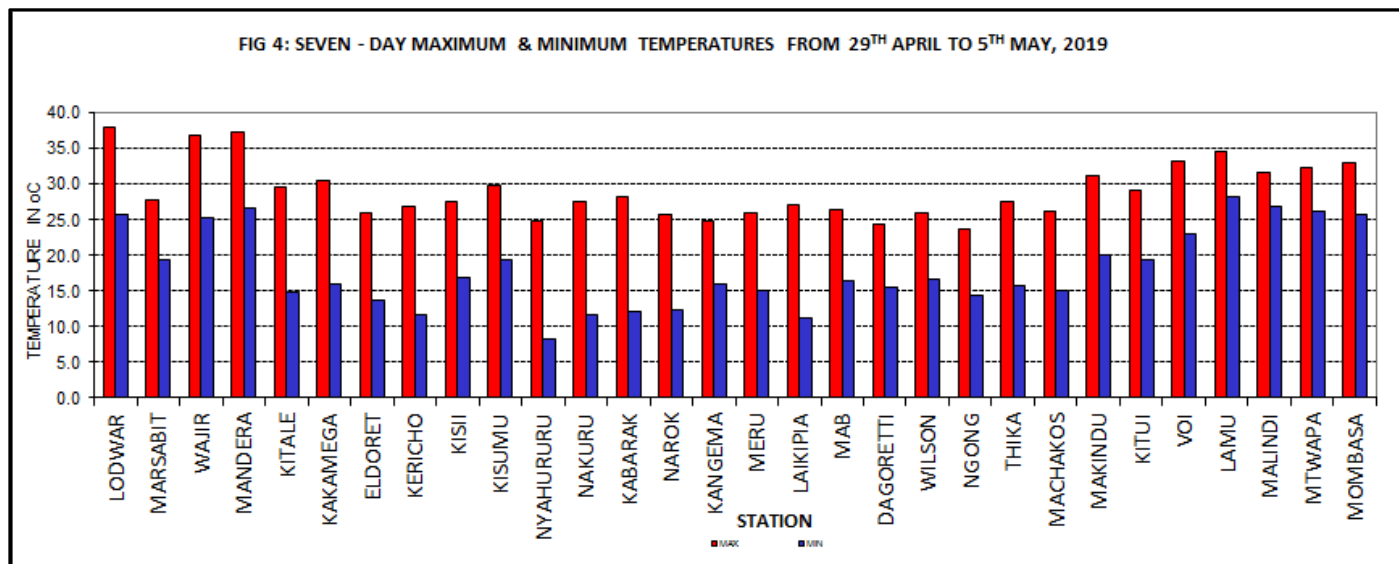


1.2 Temperature Review

Comparing the previous seven days (22nd to 28th April, 2019) with the period under review (29th April to 5th May, 2019) it is noted that day-time (maximum) temperatures increased over the Highland West of the Rift Valley and Northwestern parts and decreased over the Highland East, the

Southeastern Lowlands and the Coastal region. Night-time (minimum) temperatures decreased over most parts of the country with the exception of a few areas like Lodwar, Mandera, Malindi and Lamu.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 38.8°C on 1st May, 2019 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 6.2°C on the same day. The same stations recorded the highest seven-day average maximum of 38.0°C and the lowest seven-day average minimum temperatures of 8.3°C respectively (see **Figure 4**



below).

2. FORECAST FOR THE NEXT SEVEN DAYS FROM 7TH TO 13TH MAY, 2019.

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

- Rainfall is expected to continue over few parts of the Country in the Coast, the Southeastern Lowlands and the Highlands West and East of the Rift Valley.
- Enhanced rainfall is expected over the Southern Coastal region tomorrow.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 7TH TO 13TH MAY, 2019.

The Lake Victoria Basin, Highlands West of the Rift Valley, 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 sunny intervals in the morning throughout the forecast period. Afternoon/evening showers and thunderstorms are expected over few throughout the forecast period.

Northwestern (Counties of Turkana, West Pokot and Samburu) is likely to experience mainly sunny intervals in the morning and afternoon throughout the forecast period. However, rains expected over few places in the morning at the boarder of Kenya with S. Sudan and Uganda between Wednesday and Monday. Mainly partly cloudy conditions expected at night.

Central Highlands (including Nairobi area) (Counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are likely to experience early morning cloudiness with light rains over few places breaking into sunny intervals throughout the forecast period. Afternoon/evening showers are expected over few places throughout the forecast period.

Northeastern (Counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) is likely to experience mainly sunny intervals in the morning throughout the forecast period. However, morning rains expected over few places between Thursday and Monday at the boarder of Kenya with Ethiopia. Afternoon/evening showers are expected over few places throughout the forecast period. Mainly partly cloudy conditions expected at night.

Southeastern Lowlands (Counties of Kajiado, Kitui, Makueni, Machakos and Taita Taveta) are likely to experience sunny intervals in the morning throughout the forecast period. Afternoon/evening showers are expected over few places throughout the forecast period. Mainly partly cloudy conditions expected at night.

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): is likely to experience showers over few places in the morning and afternoon/evening over several places throughout the forecast period. Mainly partly cloudy conditions expected at night.

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%

Stella Aura, MBS

Ag. DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT