



REPUBLIC OF KENYA
**MINISTRY OF ENVIRONMENT, NATURAL RESOURCES &
 REGIONAL DEVELOPMENT AUTHORITIES**
KENYA METEOROLOGICAL DEPARTMENT

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**WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID
 10TH TO 16TH MAY, 2016**

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Review of weather for the last seven-day period 2nd to 8th May, 2016):

- Rainfall was recorded over most parts of the country
- There was a general increase in rainfall amounts and intensities over most parts of the country as compared to the previous seven-day period save for some parts of Nairobi and central Kenya that recorded a decrease,
- Day-time temperatures increased over most parts of the country except over few areas.
- Night-time temperatures decreased over much of the country with the exception of parts of the Coast and a few other areas.

Forecast for the next seven days (10th to 16th May, 2016):

The forecast indicates that:

- A general reduction in rainfall amounts and intensities is expected over several parts of the country.
- Northeastern and Southeastern parts of the country are likely to remain generally dry.

1. Weather Review for the last seven days 2nd to 8th May, 2016

1.1 Rainfall Review

Most parts of the country recorded substantial amounts of rainfall during the review period (See Fig 1). There was a general increase in rainfall amounts and intensities over most parts of the country as compared to the previous seven-day period save for some parts of Nairobi and central Kenya where a decrease was recorded.

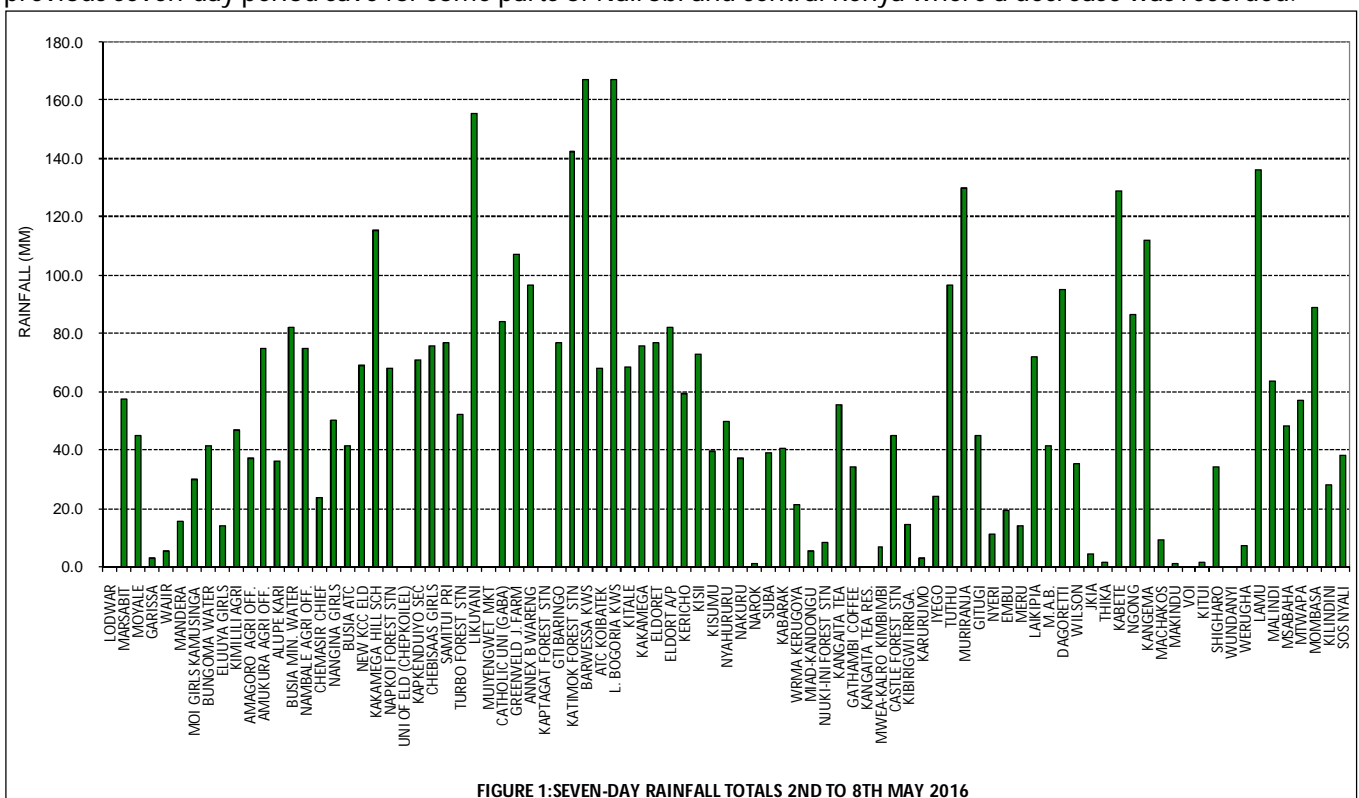


FIGURE 1:SEVEN-DAY RAINFALL TOTALS 2ND TO 8TH MAY 2016

Figure 2 depicts the spatial distribution of the rainfall totals over the country during the seven-day review period (2nd to 8th May, 2016). During this review period, Lake Bogoria Fisheries and Barwessa KWS rainfall stations recorded the highest seven-day total of 167mm. Kabete rainfall station on the other hand recorded the highest amount of rainfall in 24 hours (104.0mm on 7th May, 2016). **Figure 3** depicts areas that received heavy rainfall (>20mm/24hrs) and very heavy rainfall (>50mm/24hrs) during the review period.

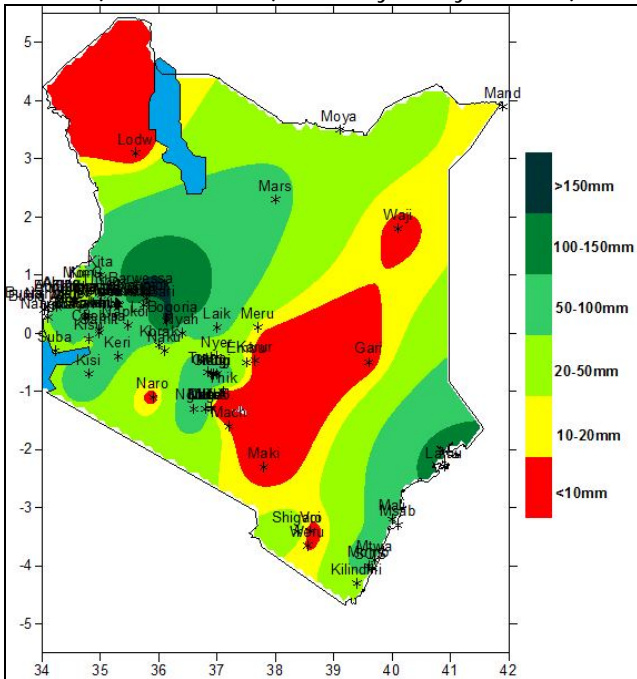


Fig 2: Spatial map of rainfall totals for 2nd to 8th May, 2016.

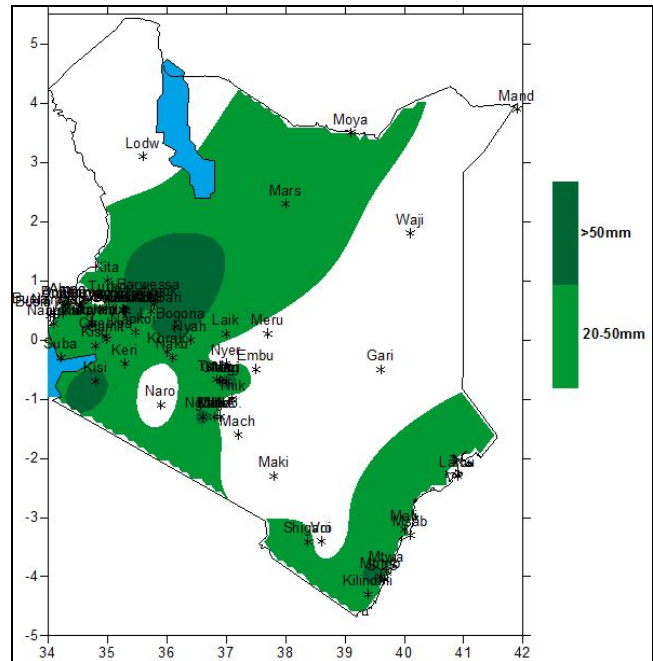
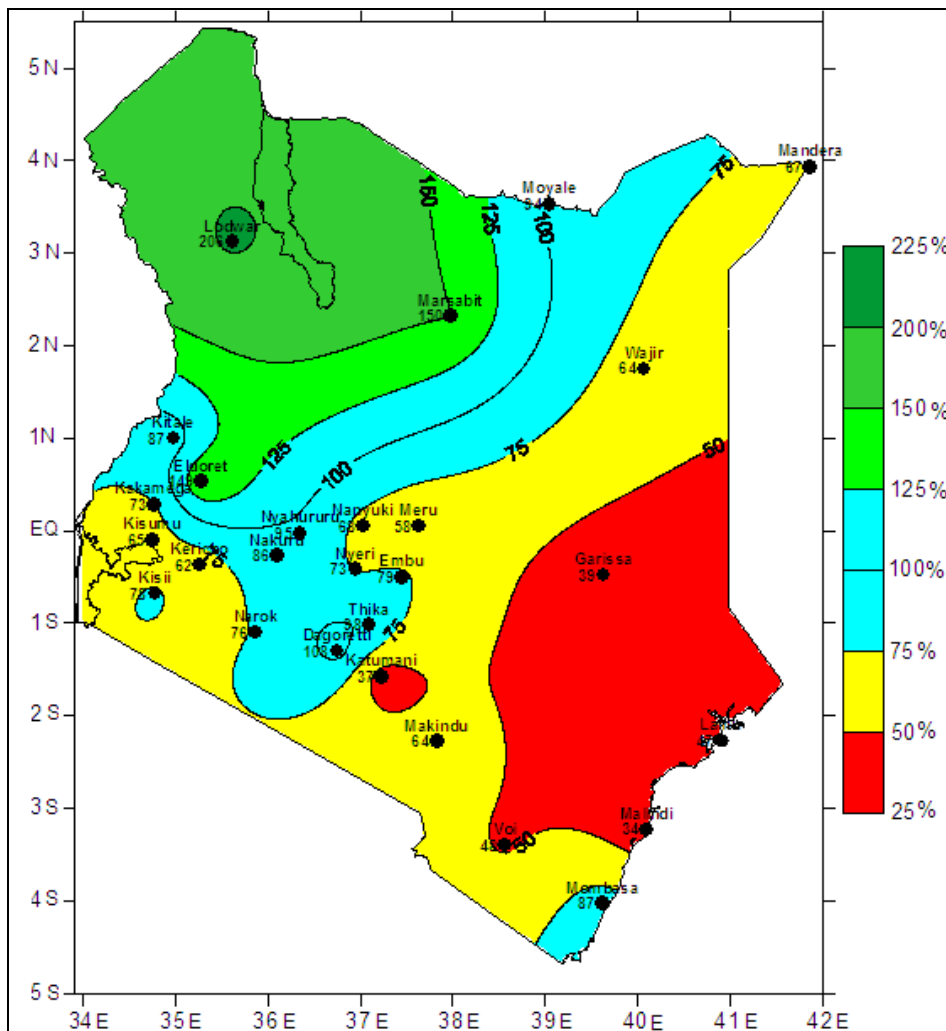


Fig 3: Spatial map of heavy and very heavy rainfall for 2nd to 8th May, 2016.

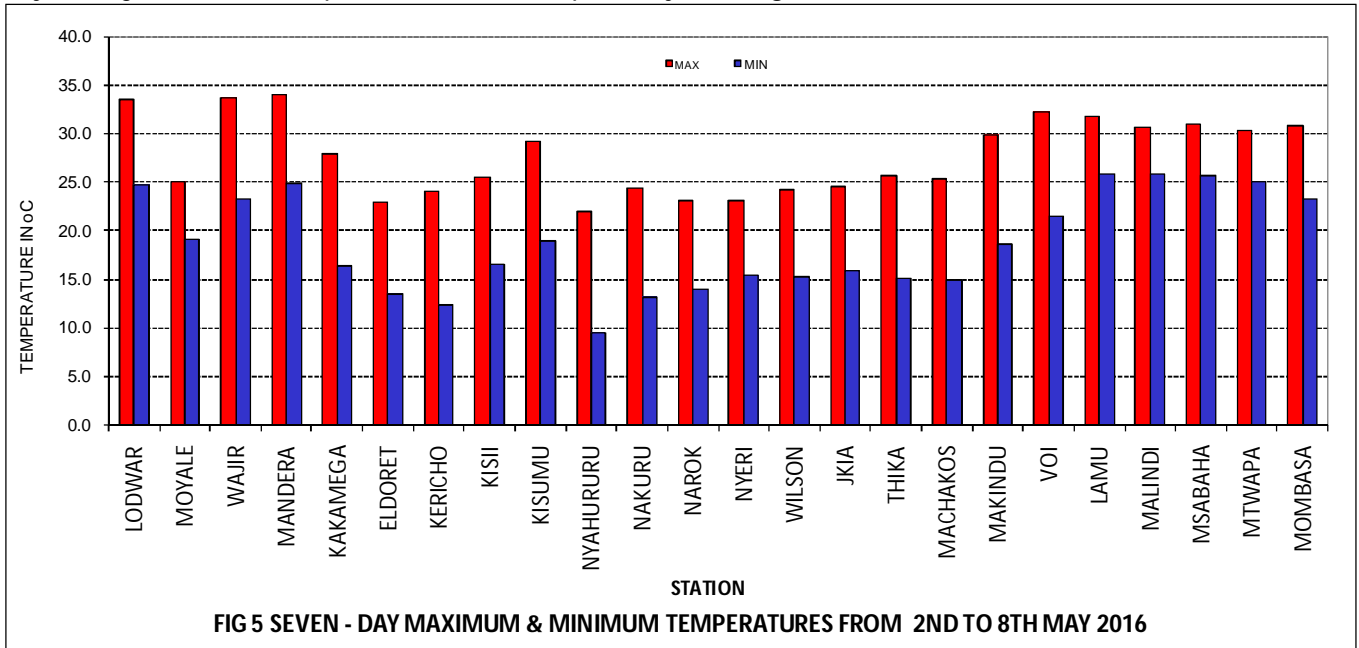
Fig 4 below shows performance up to 8th May of the seasonal rains in relation to their MAM averages.



1.2 Temperature

During the review period, day-time (maximum) temperatures increased over most parts of the country except over few areas. Night-time (minimum) temperatures decreased over much of the country with the exception of parts of the Coast and a few other areas.

Mandera Meteorological Station recorded the highest daily maximum temperature of 35.5°C on 2nd May 2016 while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 7.5°C on 5th. The same stations recorded the highest seven-day average maximum temperature of 34.1°C and the lowest seven-day average minimum temperature of 9.5°C respectively. (See Figure 5 below)



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 10TH TO 16TH MAY, 2016

The forecast indicates that:

- Several parts of the country are likely to experience a general reduction in rainfall amounts and intensities.
- The Northeastern and Southeastern parts of the country are expected to remain generally dry.

EXPECTED IMPACTS

- There is a continued risk of flooding over low-lying areas and those with poor drainage.
- Land-slides are likely on steep slopes especially in areas that have been receiving high rainfall amounts in the recent past.
- Roads are likely to be slippery and motorists need to exercise caution.
- There is a risk of lightning strikes especially in the Western parts of the country.

3. DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 10TH TO 16TH MAY, 2016

The Lake Victoria Basin, Highlands West of the Rift Valley, Central and South Rift Valley (counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Transzoia, Baringo, Uasingishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kajiado, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are expected to experience occasional morning rains over few places throughout the forecast period. Afternoon/night showers and thunderstorms are expected to occur over several places on Tuesday reducing to few places thereafter;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience rains in the morning between Tuesday and Thursday and sunny mornings for the remaining days. Afternoons and nights are expected to remain generally dry throughout the forecast period;

Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to experience cool cloudy mornings with occasional rains throughout the forecast period. Afternoon/night showers are expected to occur over few places during the entire forecast period;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience sunny intervals the whole day throughout the forecast period;

Southeastern (counties of Kitui, Makueni, Machakos and Taita Taveta) are expected to experience cloudy morning giving way to sunny intervals the whole day throughout the forecast period;

The Coastal strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale) are expected to experience morning showers over several places on Tuesday reducing to few places on Wednesday and Thursday while the rest of the forecast period is expected to be dry.

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

KEY OF SCIENTIFIC WORDS USED

Most Places: Between 66% and 100%

Several Places: Between 33% and 66%

Few Places: Between 0 and 33%

Rainfall categories

Range	Category
<5 mm	Light
5 - 20mm	Moderate
20 - 50mm	Heavy
>50mm	Very heavy

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