



MINISTRY OF NATURAL RESOURCES AND CLIMATE CHANGE

DEPARTMENT OF CLIMATE CHANGE AND METEOROLOGICAL SERVICES

NKHOTAKOTA DISTRICT DOWNSCALED SEASONAL FORECAST, 2024-2025

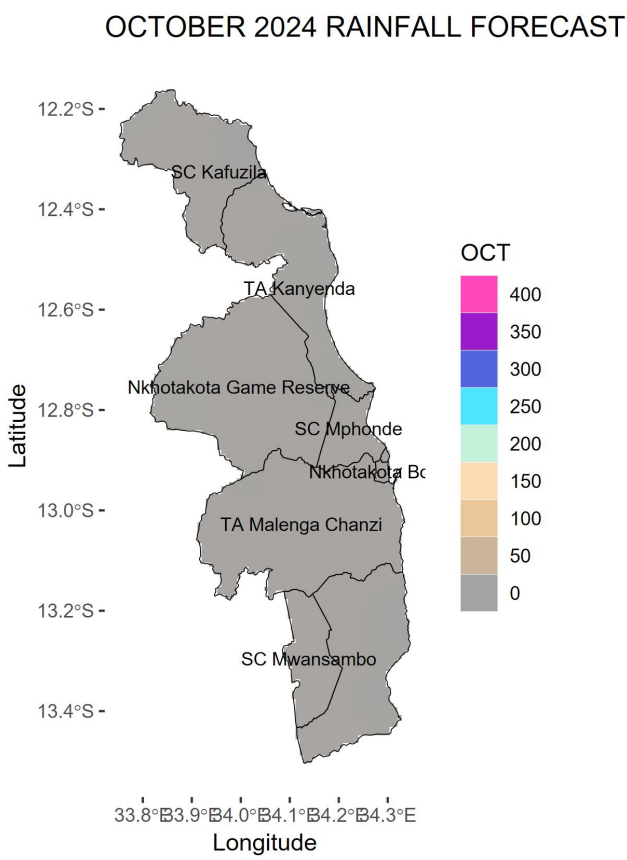


Overview of 2024/2025 Rainfall Season

The 2024-2025 rainfall season is expected to be influenced by a weak La Nina. La Nina is the unusual cooling of ocean waters over the eastern-central equatorial Pacific Ocean.

Nkhotakota District is expected to receive generally **Normal to Above Normal rainfall amounts** during the 2024 – 2025 rainfall season.

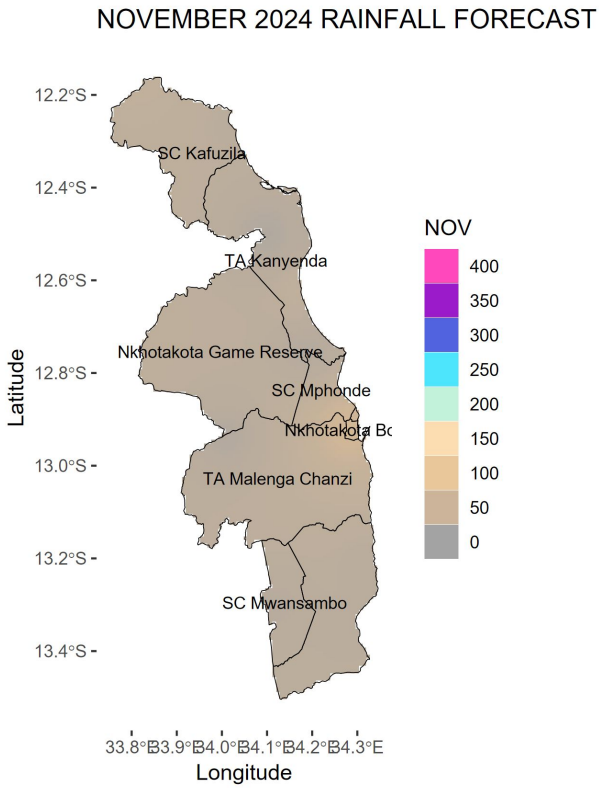
October 2024



In October 2024, Nkhotakota district is expected to be generally dry with only few localized areas receiving rainfall amounts of less than 10mm.

Strong and gusty winds are expected during this month.

November 2024

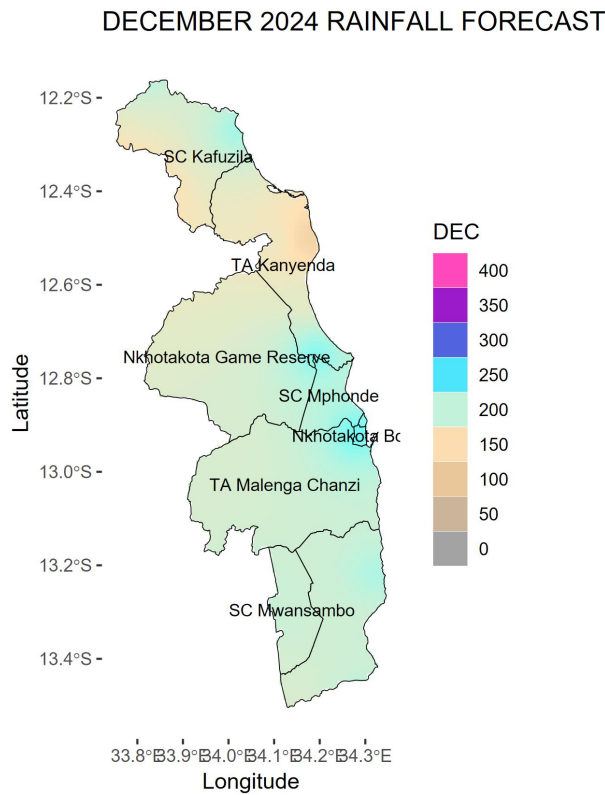


In November, dry conditions are likely to continue in most parts of the district. Some areas are expected to receive rainfall amounts ranging from 20 to 50mm.

Onset of rainfall season is expected from the **last week of November to the second week of December 2024.**

Strong and gusty winds are expected in this month.

December 2024

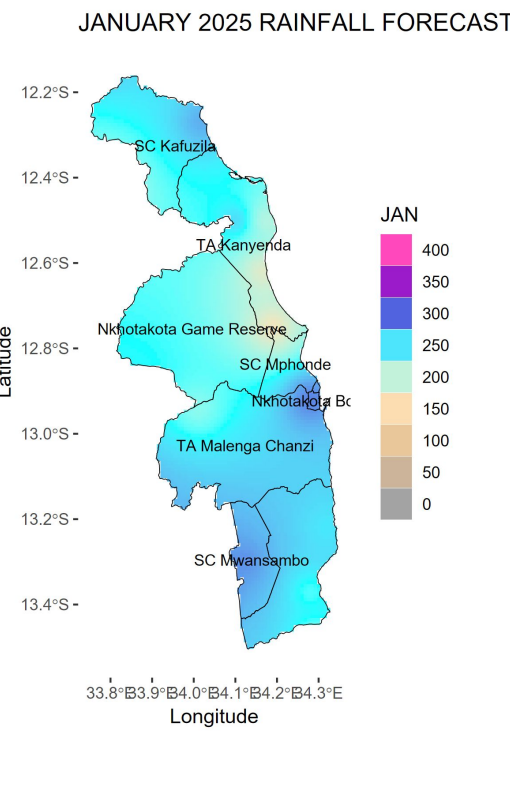


Some areas in TA Kafuzila, Nkhotakota Game Reserve and Nkhotakota Boma are expected to receive rainfall amounts above 200mm.

Other areas are expected to receive between 100 – 200mm of rainfall amounts.

These rainfall amounts are within the normal range for the district.

January 2025



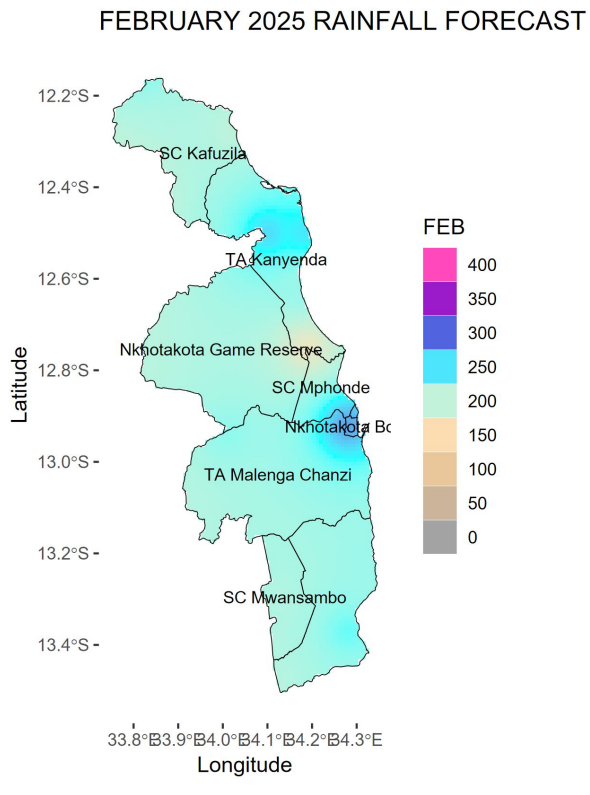
Normal to above normal rainfall amounts are expected in the district during this month. Most areas are expected to receive above 200mm of rainfall amounts.

Some areas in TA Kanyenda and part of Nkhotakota Game Reserve are expected to receive less than 200mm of rainfall amounts.

Dry spells of more than 7 days unlikely to occur in some parts of the district.

Threats of Flash floods and flooding is expected especially in flood prone areas.

February 2025

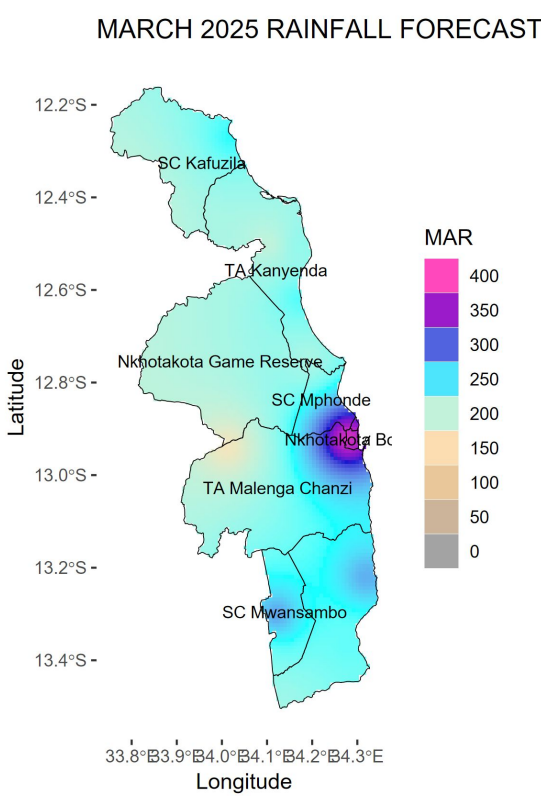


February is expected to remain wet in most parts of the district.

Most areas are expected to receive between 200 – 280 mm of rainfall amounts which is in the normal to above normal range for the district.

Dry spells of more than 7 days are unlikely to occur in the district during this month

March 2025



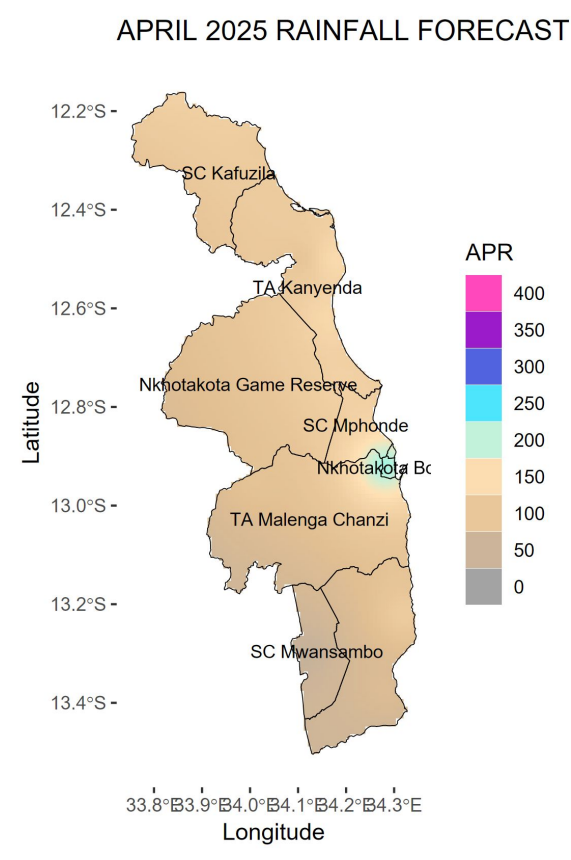
Normal to above normal rainfall amounts are expected in the district.

Most areas are expected to receive 200-300 mm of rainfall amounts.

Nkhotakota Boma and parts of TA Mphonde are expected to receive more than 300 mm of rainfall amounts.

Threat of flooding is expected in flood prone areas.

April 2025



April marks the end of rainfall season in Malawi. Most areas are expected to receive between 40 – 100 mm of rainfall amounts.

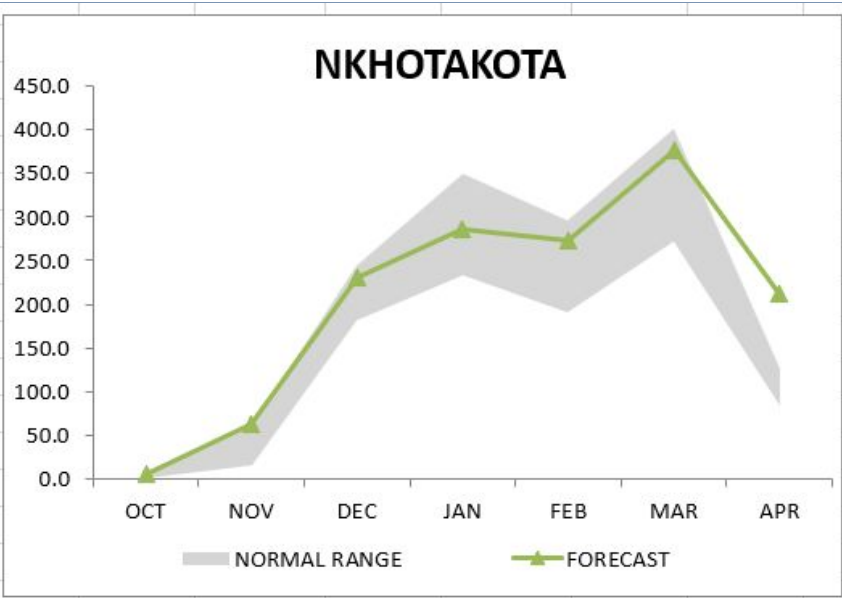
However areas around Nkhotakota Boma are expected to receive rainfall amounts in excess of 200mm.

Cessation of the rainfall season is expected during the **first and third weeks of April 2025.**

Rainfall is likely to **start** between the **last week of November and the second week of December**. Rainfall season is expected to **end** between the **first and third weeks of April**. The **seasonal length** in the district is expected to be around **120 to 145 days**. Dry spells of more than 7 days are unlikely to occur in the month of January and February.

The table and figure below show monthly rainfall distribution for the season with a normal band in grey.

| NKHOTAKOTA | | | |
|------------|--------------|----------|-------|
| MONTH | NORMAL RANGE | FORECAST | |
| OCT | 0.1 | 4.4 | 5.0 |
| NOV | 15.9 | 62.0 | 62.6 |
| DEC | 181.8 | 244.9 | 230.0 |
| JAN | 232.5 | 349.1 | 286.2 |
| FEB | 190.5 | 295.2 | 273.7 |
| MAR | 271.4 | 401.4 | 376.3 |
| APR | 84.4 | 125.9 | 212.6 |



The forecast will be updated in December 2024

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