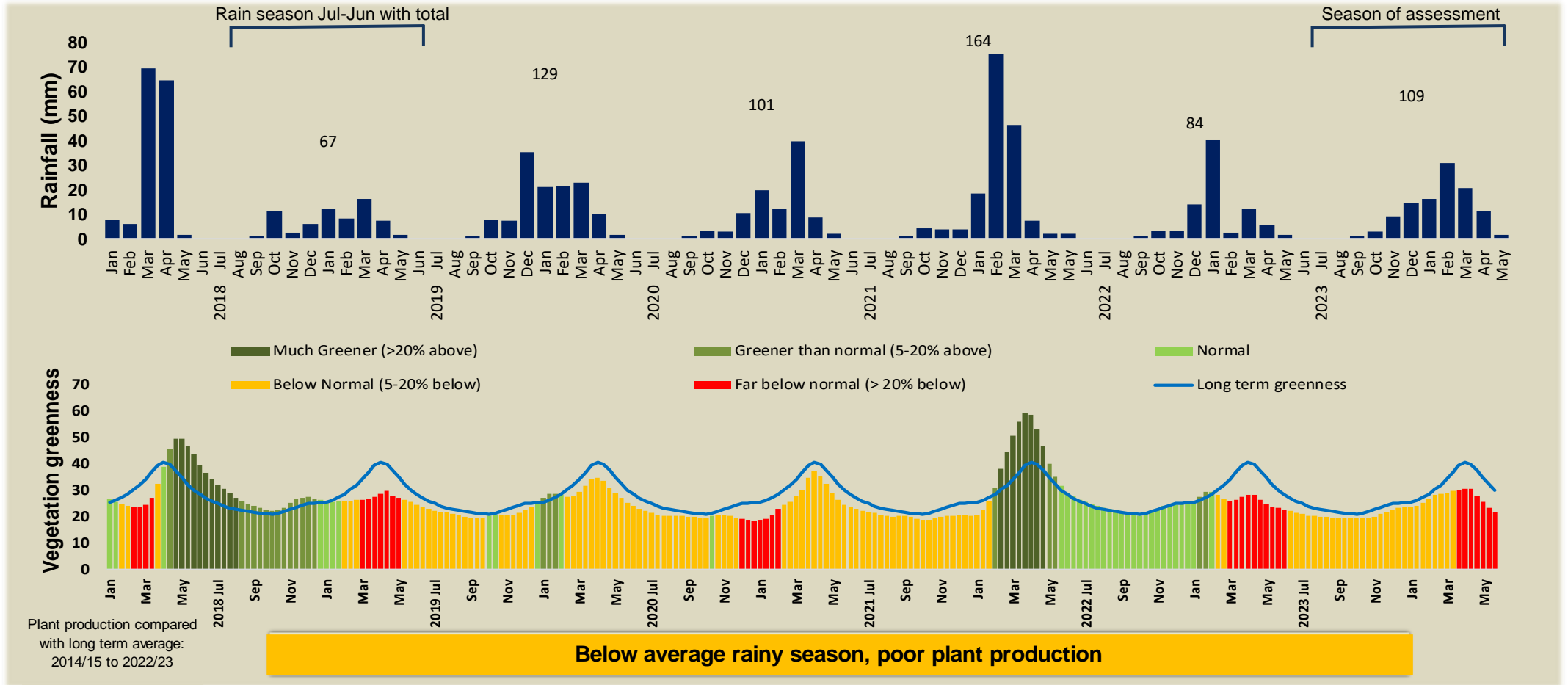# Omatendeka
# Climate and Vegetation Report

## Adapting in response to the current environmental conditions …

## Seasonal trends in rainfall and vegetation (2023 / 2024 Season)

Rain season Jul-Jun with total

Season of assessment

Rainfall (mm) — totals shown: 67, 129, 101, 164, 84, 109

Vegetation greenness legend:
- Much Greener (>20% above)
- Greener than normal (5-20% above)
- Normal
- Below Normal (5-20% below)
- Far below normal (> 20% below)
- Long term greenness

Plant production compared with long term average: 2014/15 to 2022/23

**Below average rainy season, poor plant production**

## Vegetation cover trend (2000 - 2023)

High vegetation cover is good because more rainwater is prevented from running off, causing less erosion. Also, the soil is shaded leading to a decrease in soil temperature and evaporation.

**Vegetation cover in September**

**Plant cover is decreasing - Why?**

### Vegetation cover : 2023
- Good vegetation cover
- Much bare ground

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## Vegetation productivity (February to April) 2024

### Growing season

**Zones**
1) Settlement & Cropping Area
2a) Multiple Use: Livestock Priority
2b) Multiple Use: Hunting Priority
2c) Multiple Use: Tourism Priority
2d) Multiple Use: Mining Priority
3a) Exclusive Wildlife: All Utilisation
3b) Exclusive Wildlife: Trophy Hunting
3c) Exclusive Wildlife: Tourism
3d) Exclusive Wildlife: No Disturbance
4) Forest

**Difference from average**
- Much poorer
- Same as average
- Much better
- Roads
- Rivers
- Management zones

## Fire management

**Burns between 2000 and 2023**

**When and where it burnt in 2023**

No fire maps

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**Times burned**
- 1 - 2
- 3 - 5
- 6 - 9
- 10 - 13
- >13

Apr-Jul: 9.1 sq.km, 0.6 %

Aug-Dec: 0 sq.km, 0 %

**Prevent late burns next season**

**Burned area**
- April - July
- Aug - December

## Forage availability

During the growing season enough forage must be produced to sustain livestock and game until the next rainy season

**Management Options**
- Do nothing
- Buy more animals
- Move animals to better grazing
- Sell old and unproductive animals
- Acquire additional forage

Forage availability scale: Excellent / normal / Very poor
Years shown: 2018, 2019, 2020, 2021, 2022, 2023, 2024

**Below normal forage availability - Enough for livestock and game?**

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Climate and vegetation patterns assist in our understanding of the status of wildlife and livestock in the conservancy for the effective management of these resources.