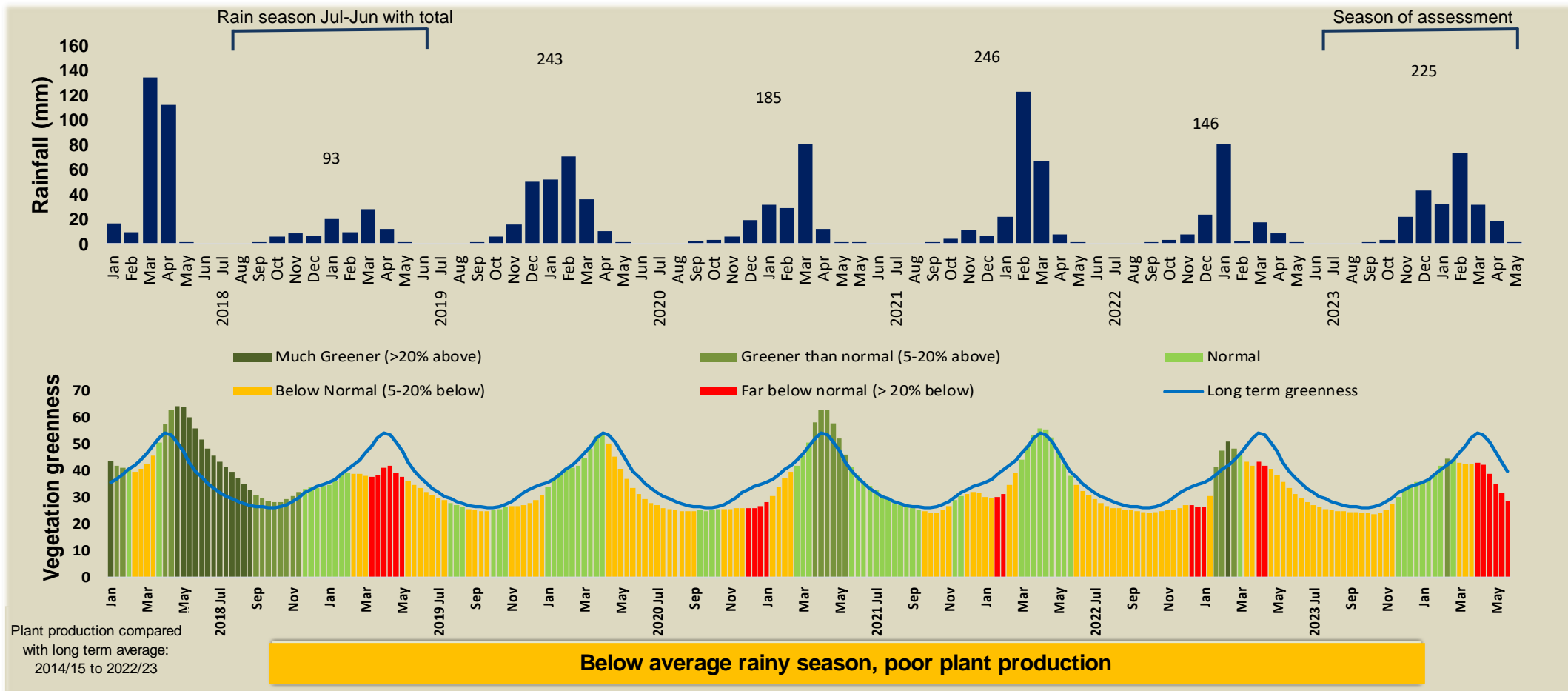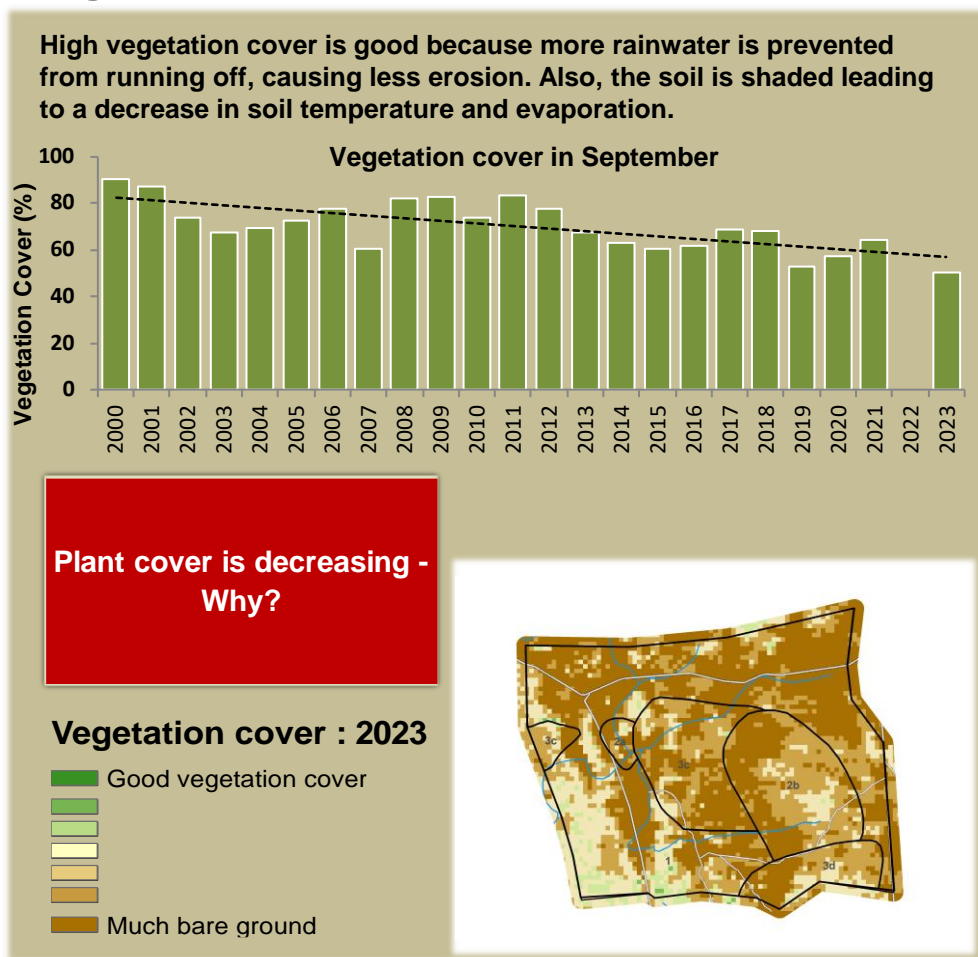# Okongoro
Climate and Vegetation Report

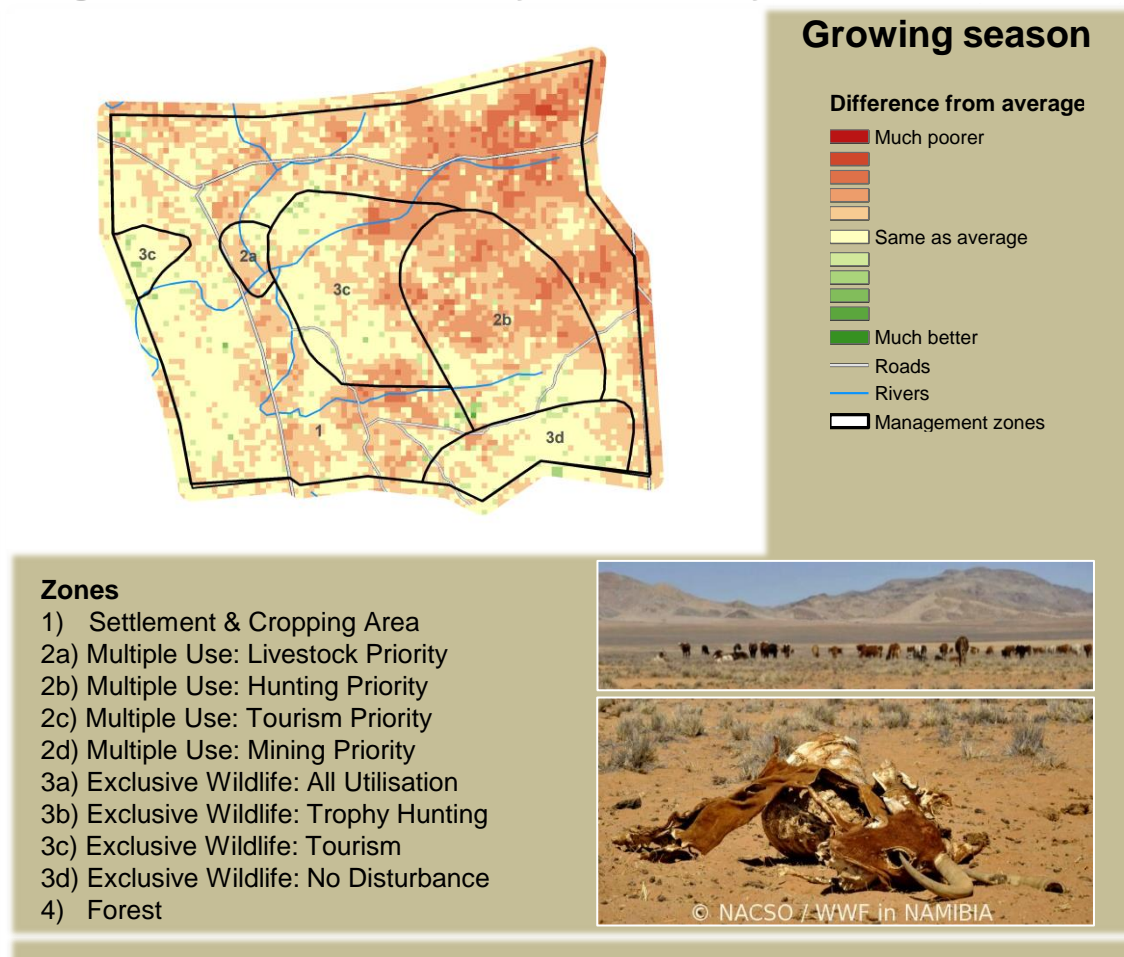## Adapting in response to the current environmental conditions …

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

Rain season Jul-Jun with total
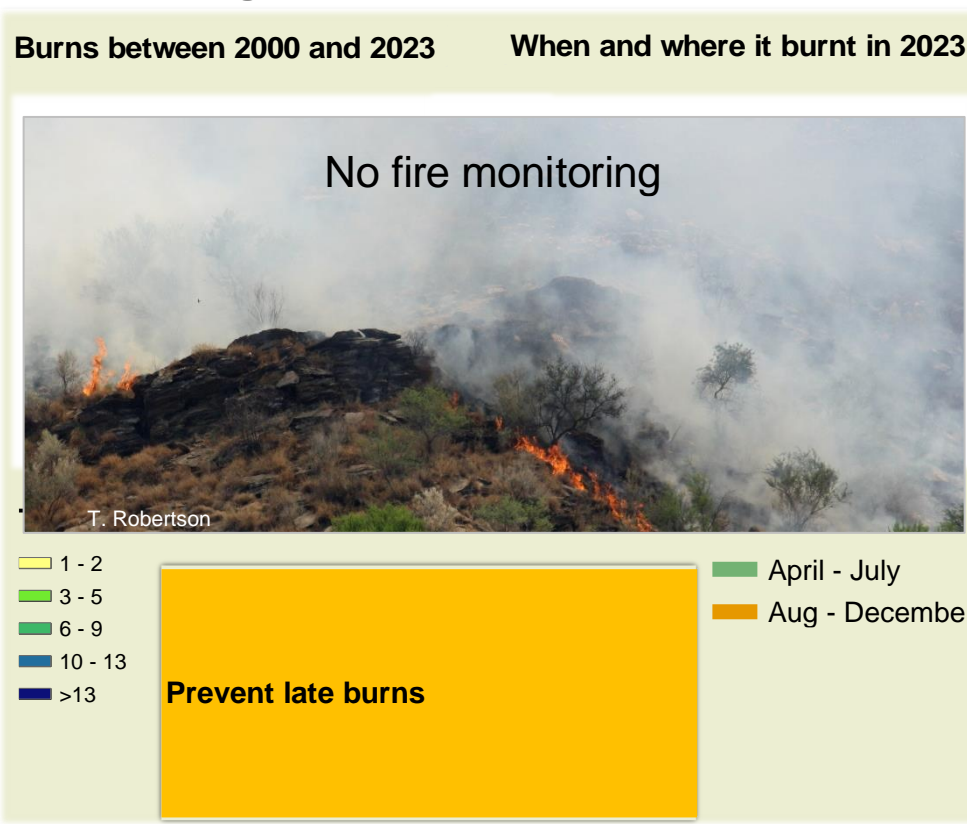
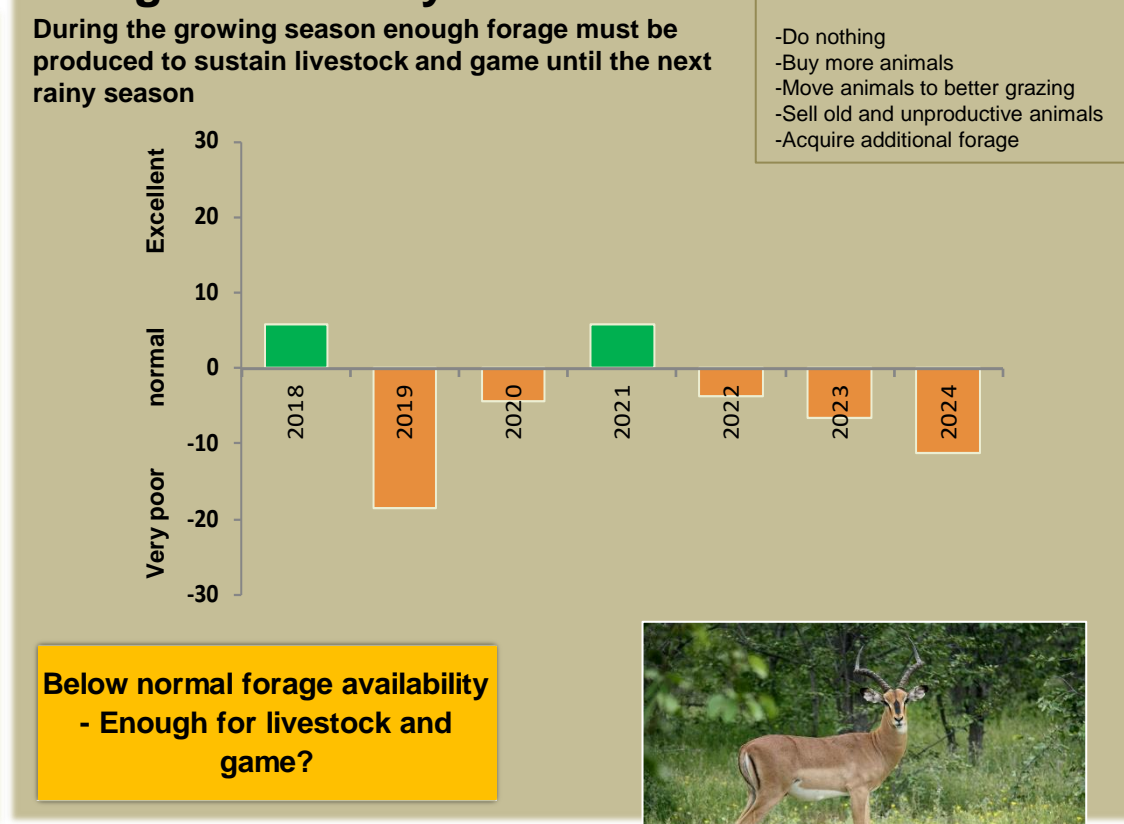Season of assessment

Rainfall (mm)

243   185   246   146   225

93

Vegetation greenness

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

Vegetation Cover (%)

Plant cover is decreasing - Why?

Vegetation cover : 2023

Good vegetation cover

Much bare ground

Vegetation productivity (February to April) 2024

Growing season

Difference from average

Much poorer

Same as average

Much better
Roads
Rivers
Management zones

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

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Fire management

Burns between 2000 and 2023   **When and where it burnt in 2023**

No fire monitoring

T. Robertson

1 - 2
3 - 5
6 - 9
10 - 13
>13

April - July
Aug - December

Prevent late burns

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

Excellent

normal

Very poor

Below normal forage availability - Enough for livestock and game?

T. Robertson

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.