

2023

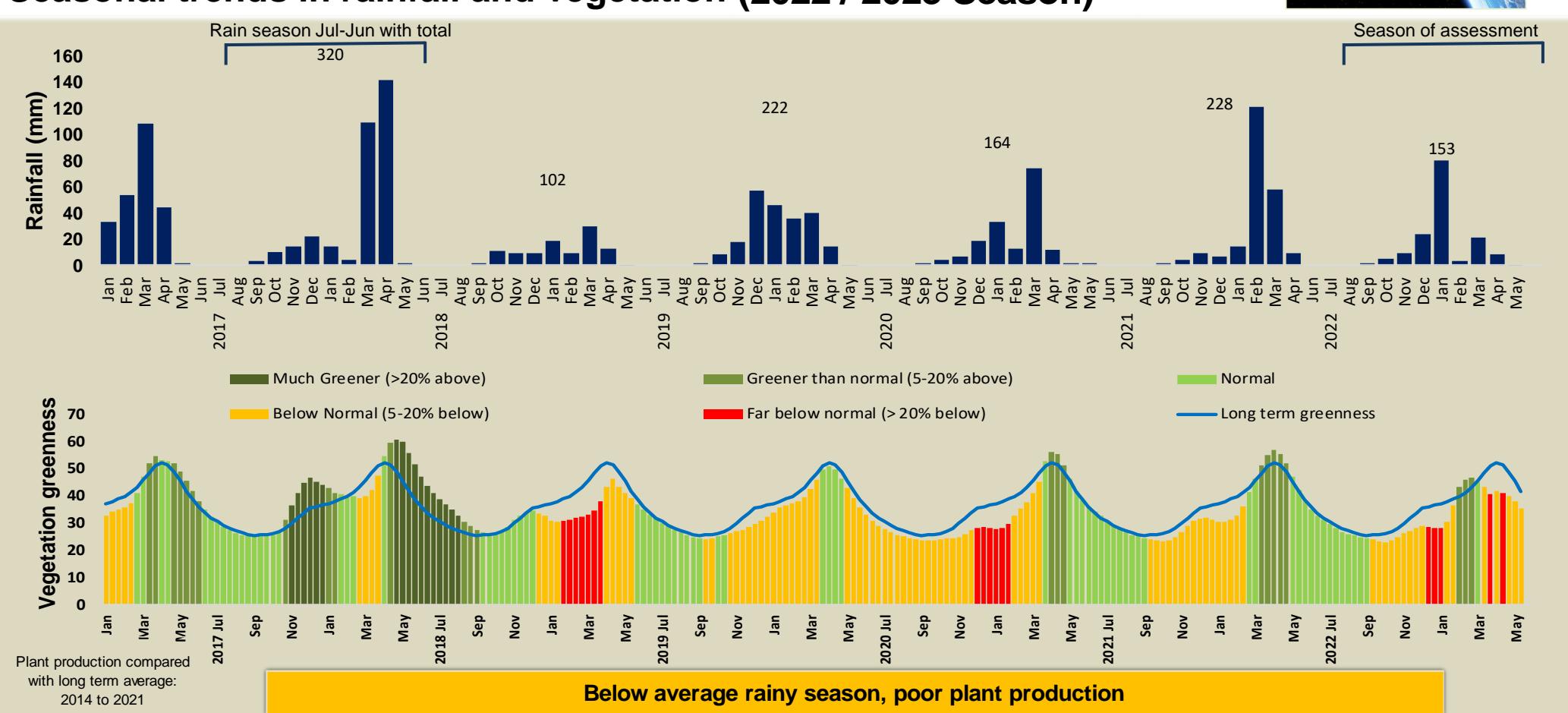
Okatjandja Kozomenje

Climate and Vegetation Report

D1

Adapting in response to the current environmental conditions ...

Seasonal trends in rainfall and vegetation (2022 / 2023 Season)



Vegetation cover trend (2000 - 2021)

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.



Plant cover is decreasing - Why?

Vegetation cover : 2021

Good vegetation cover
Same as average
Much better
Same as average
Much bare ground



Vegetation productivity (February to April) 2023

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 2022

When and where it burnt in 2022

No fire monitoring



Times burned

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

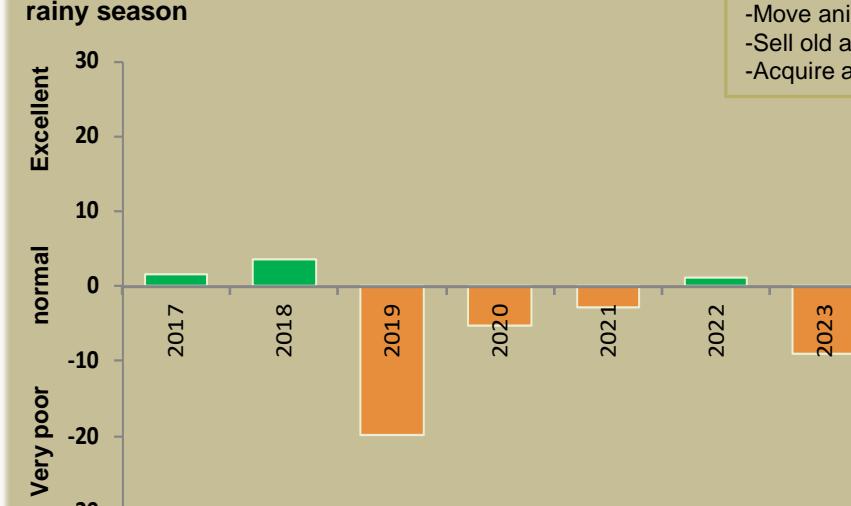
Prevent late burns

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



Normal forage availability



Management Options

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

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.