

2023

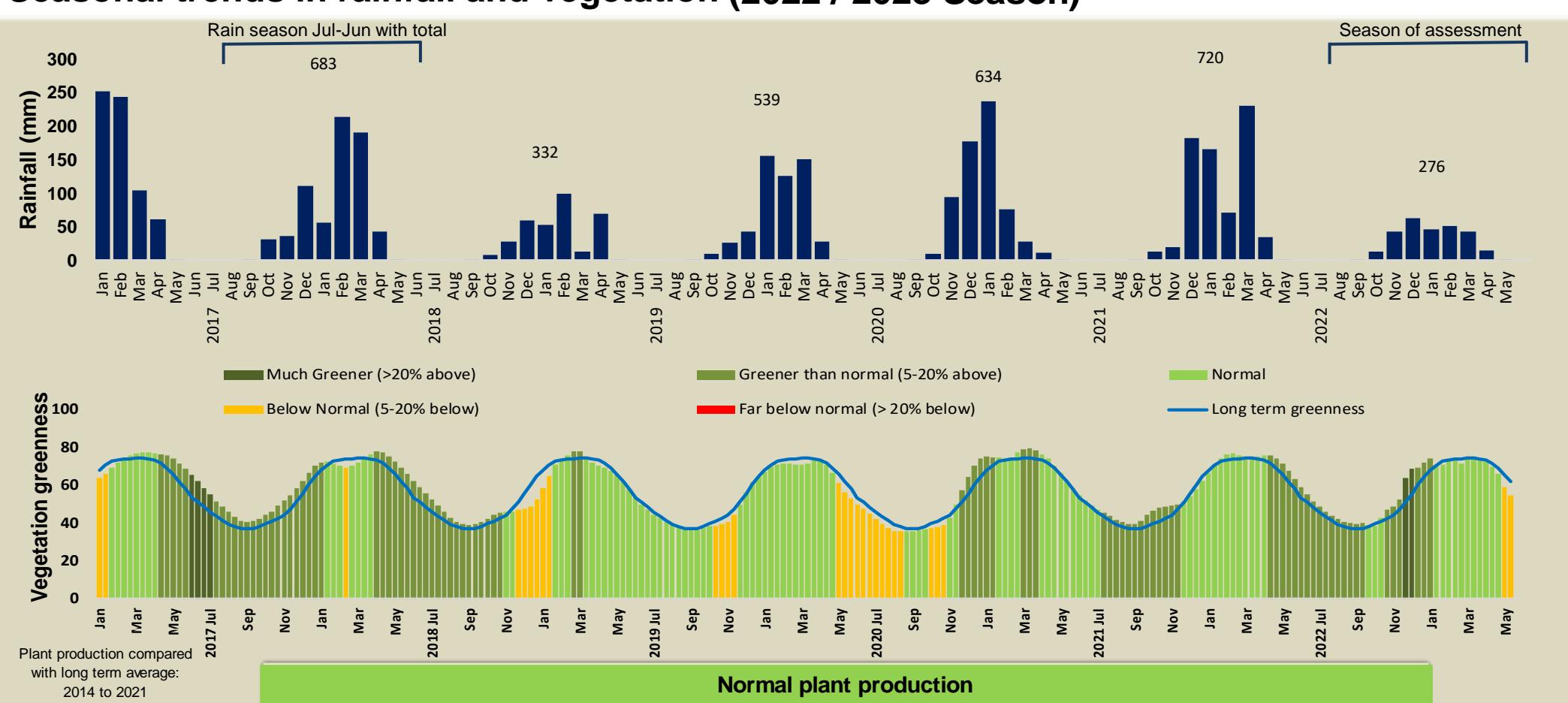
Mashi

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.



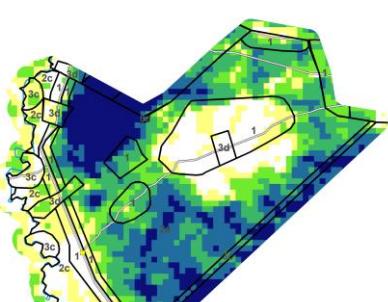
Plant cover has remained the same over time

Vegetation cover : 2021



Fire management

Burns between 2000 and 2022



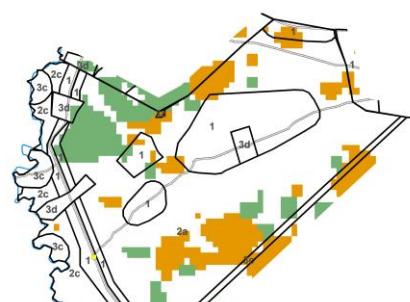
Times burned

Apr-Jul: 5.7 sq.km, 1.3 %

Aug-Dec: 56.8 sq.km, 13 %

Prevent late burns next season

When and where it burnt in 2022



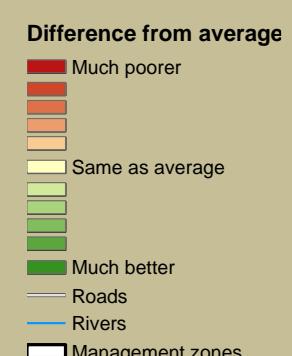
Burned area

April - July

Aug - December

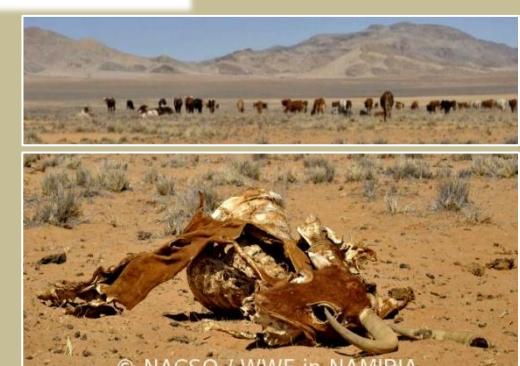
Vegetation productivity (February to April) 2023

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



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

