

2024

Mashi

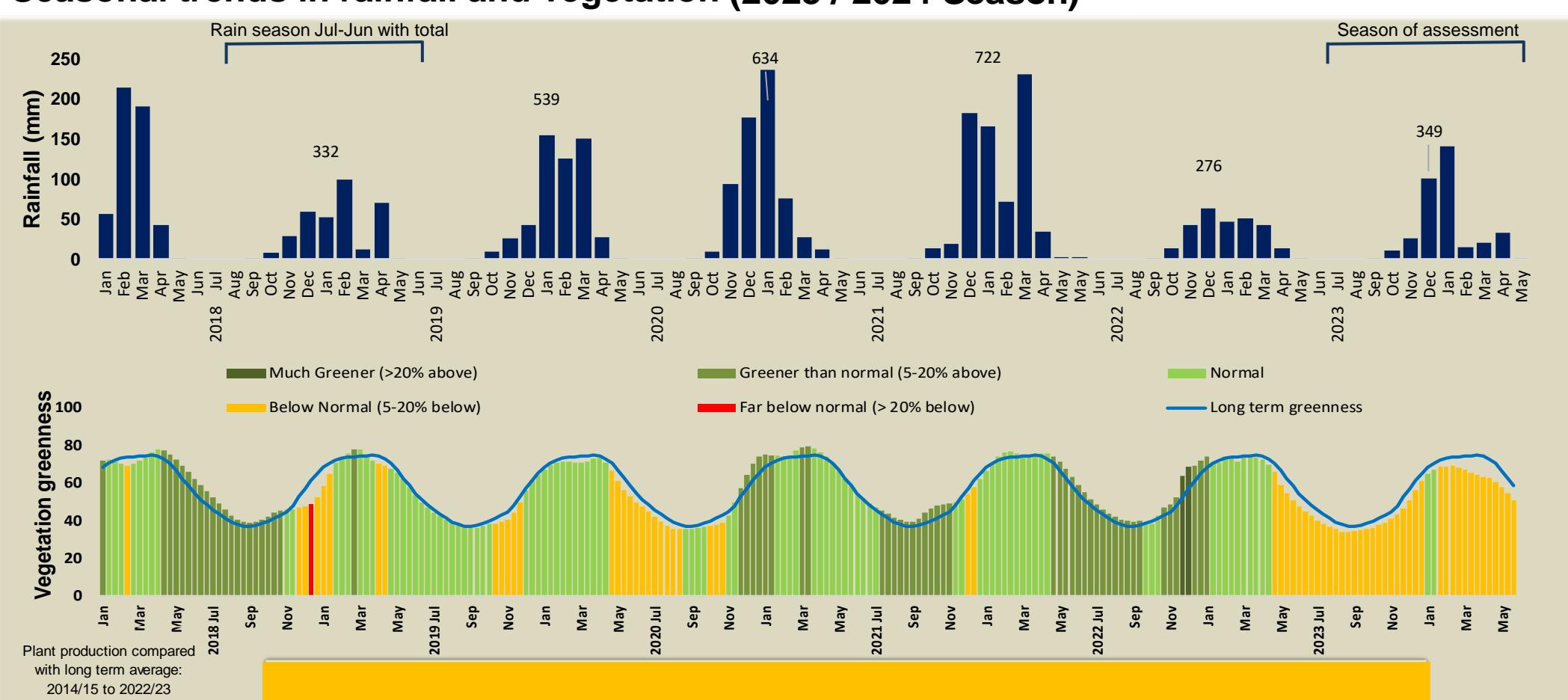
Climate and Vegetation Report

D1

Adapting in response to the current environmental conditions ...



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



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.



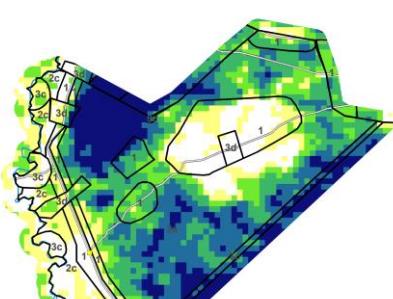
Plant cover has remained the same over time

Vegetation cover : 2023

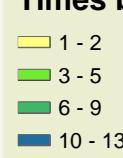


Fire management

Burns between 2000 and 2023



Times burned

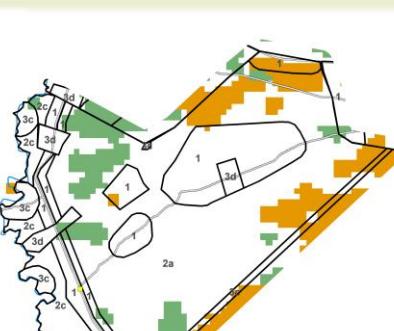


Apr-Jul: 36.9 sq.km, 8.4 %

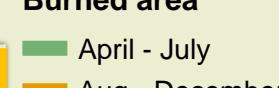
Aug-Dec: 45.2 sq.km, 10.3 %

Prevent late burns next season

When and where it burnt in 2023



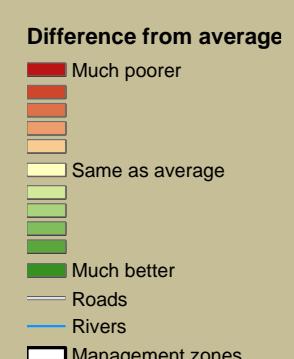
Burned area



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.

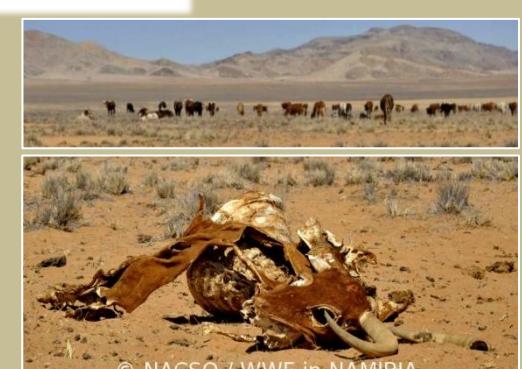
Vegetation productivity (February to April) 2024

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



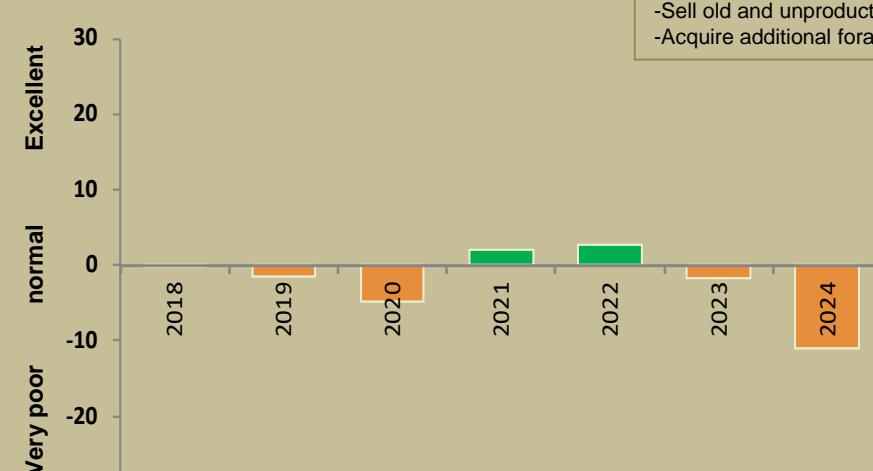
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Forage availability

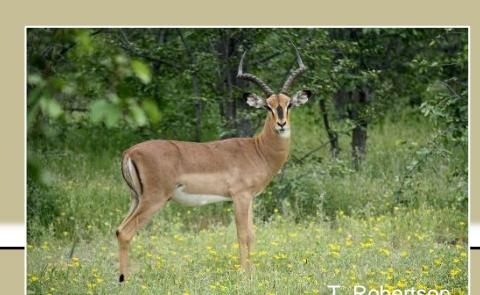
During the growing season enough forage must be produced to sustain livestock and game until the next rainy season

Management Options

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



Below normal forage availability
- Enough for livestock and game?



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