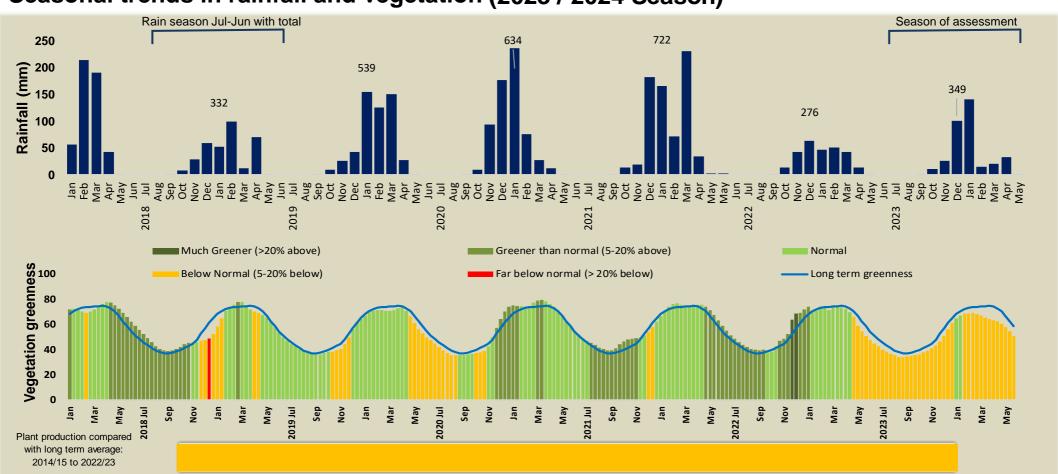
# Mashi **Climate and Vegetation Report**



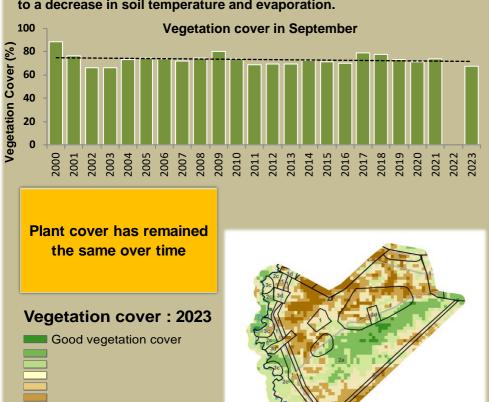
Adapting in response to the current environmental conditions ...

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

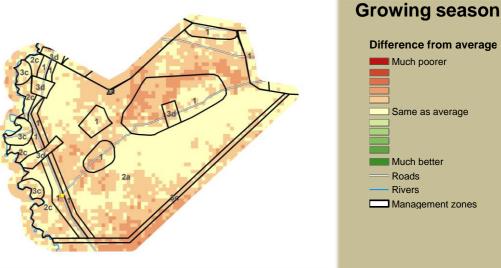


## Vegetation cover trend (2000 - 2023)

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.

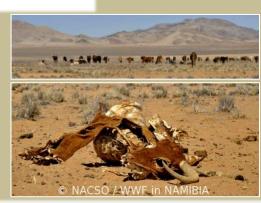


## **Vegetation productivity (February to April) 2024**



#### **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



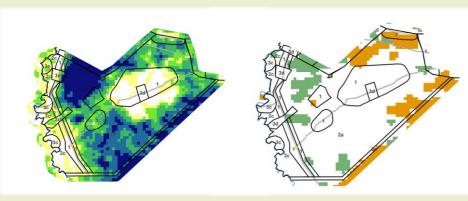
**Management Options** 

-Do nothing

### Fire management

Much bare ground

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



#### **Times burned** \_\_\_1 - 2 3 - 5 Apr-Jul: 36.9 sq.km, 8.4 % **6** - 9 **10 - 13**

Aug-Dec: 45.2 sq.km, 10.3 %

Prevent late burns next season

#### **Burned** area

April - July Aug - December

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

# Forage availability

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



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.