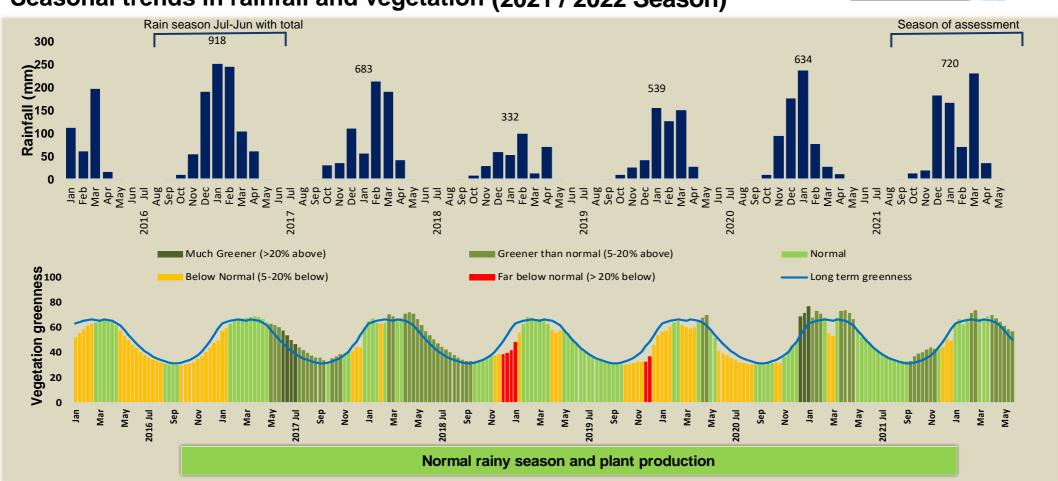
Mashi **Climate and Vegetation Report**

D1

Adapting in response to the current environmental conditions ...

Seasonal trends in rainfall and vegetation (2021 / 2022 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.



Vegetation productivity (February to April) 2022



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



Fire management

Burns between 2000 and 2021

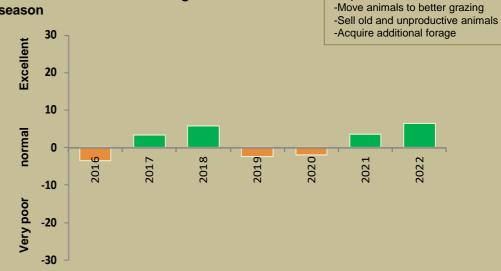


Burned area April - July Aug - December

When and where it burnt in 2021

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

-Buy more animals

-Do nothing

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.