

2023

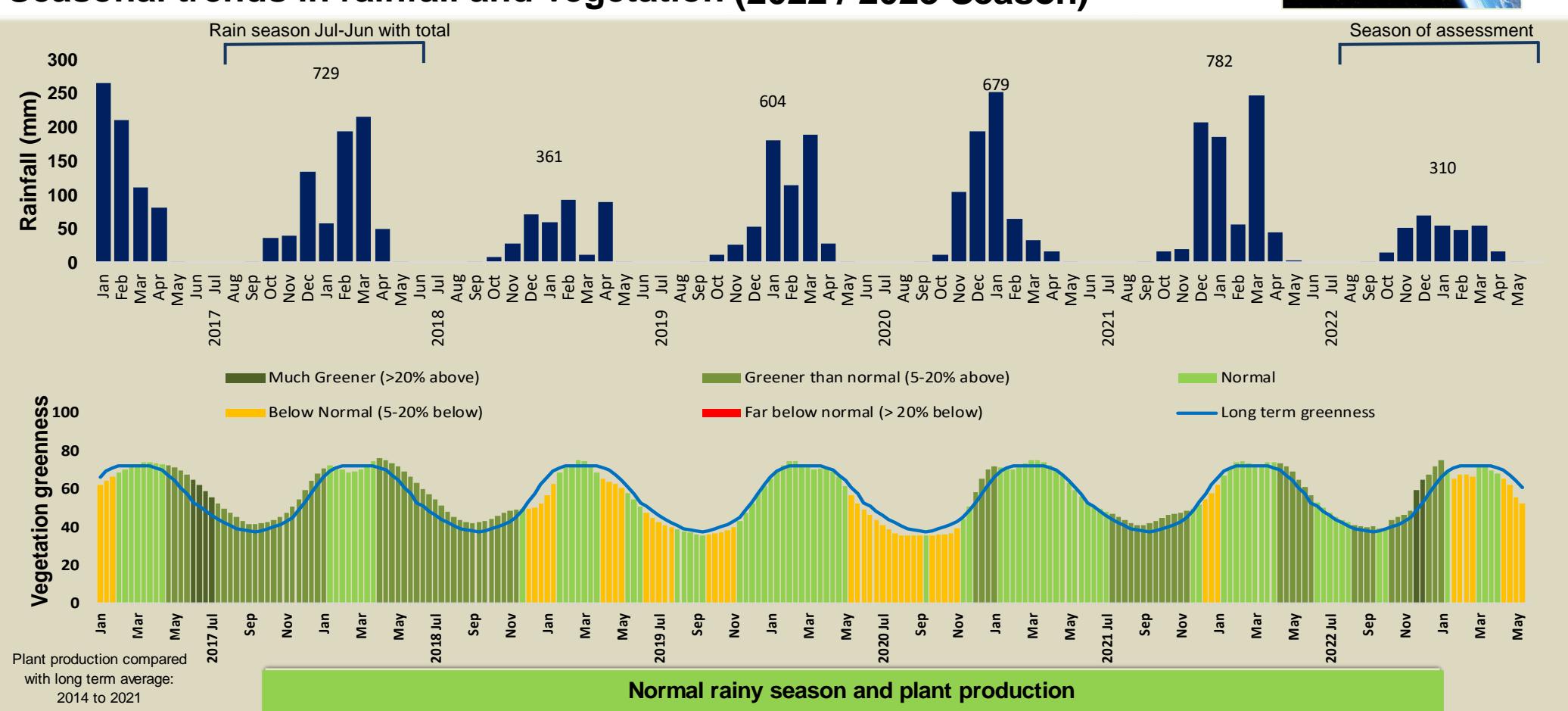
Kwandu

Climate and Vegetation Report

D1

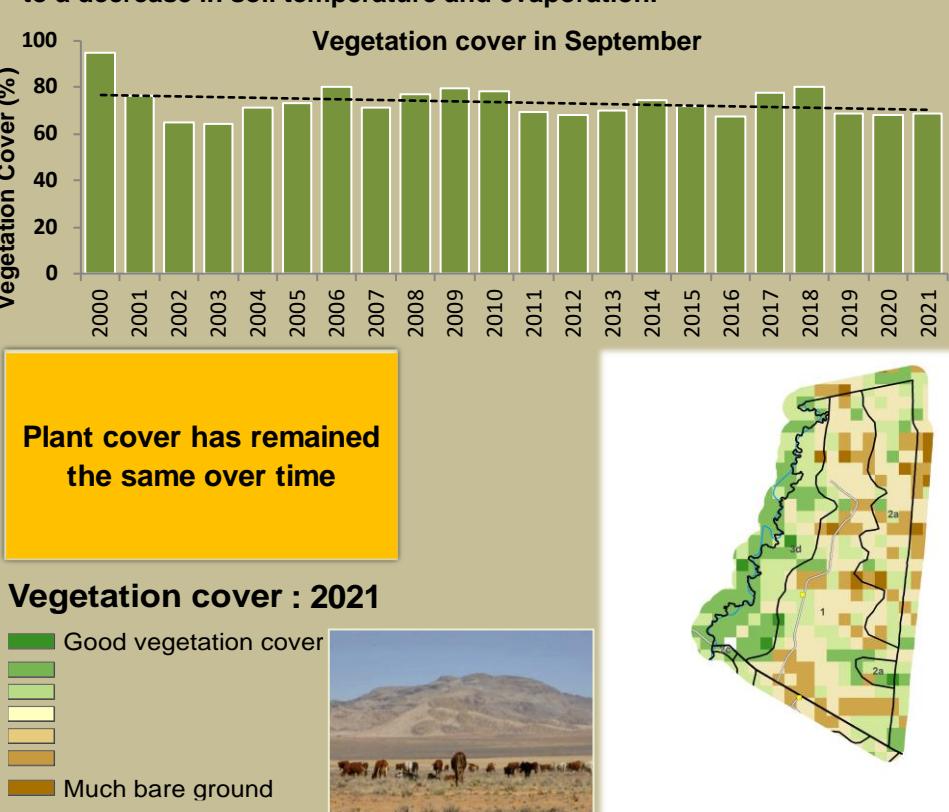
Adapting in response to the current environmental conditions ...

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

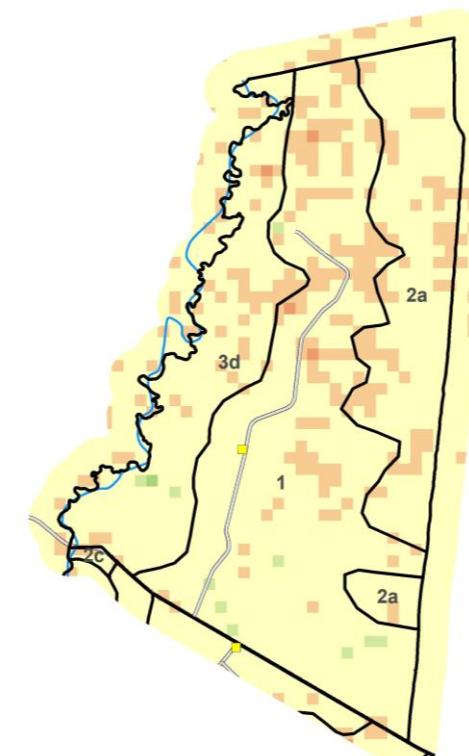


Vegetation cover trend (2000 - 2021)

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.



Vegetation productivity (February to April) 2023



Growing season

Zones

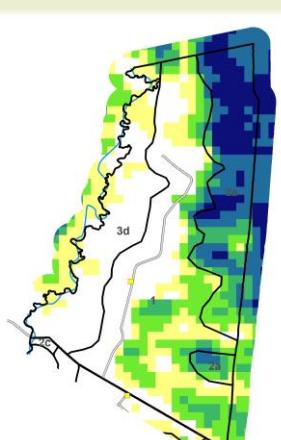
- 1) Settlement & Cropping Area
- 2a) Multiple Use: Livestock Priority
- 2b) Multiple Use: Hunting Priority
- 2c) Multiple Use: Tourism Priority
- 2d) Multiple Use: Mining Priority
- 3a) Exclusive Wildlife: All Utilisation
- 3b) Exclusive Wildlife: Trophy Hunting
- 3c) Exclusive Wildlife: Tourism
- 3d) 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



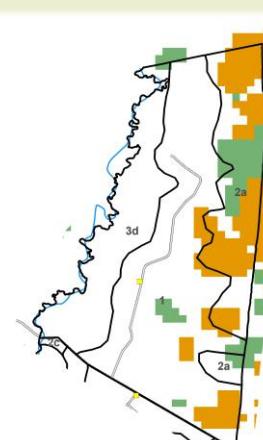
Times burned

Apr-Jul: 9.1 sq.km, 4.8 %

Aug-Dec: 17.6 sq.km, 9.3 %

Prevent late burns next season

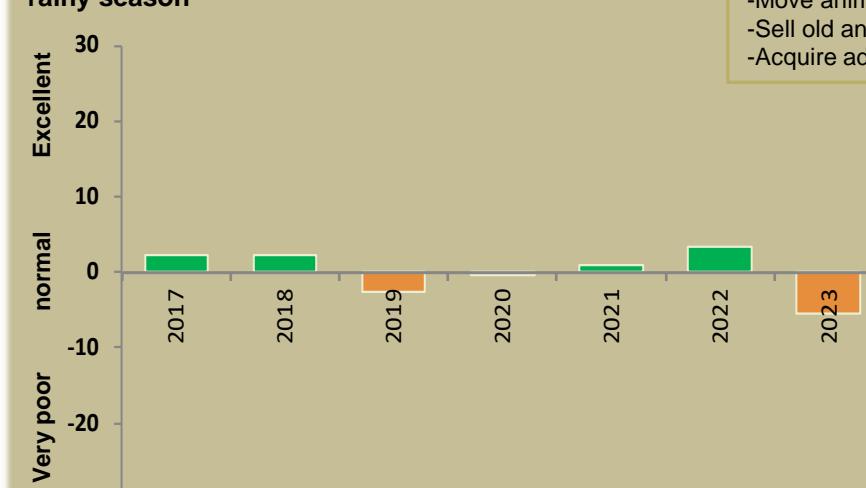
When and where it burnt in 2022



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

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



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.