

2024

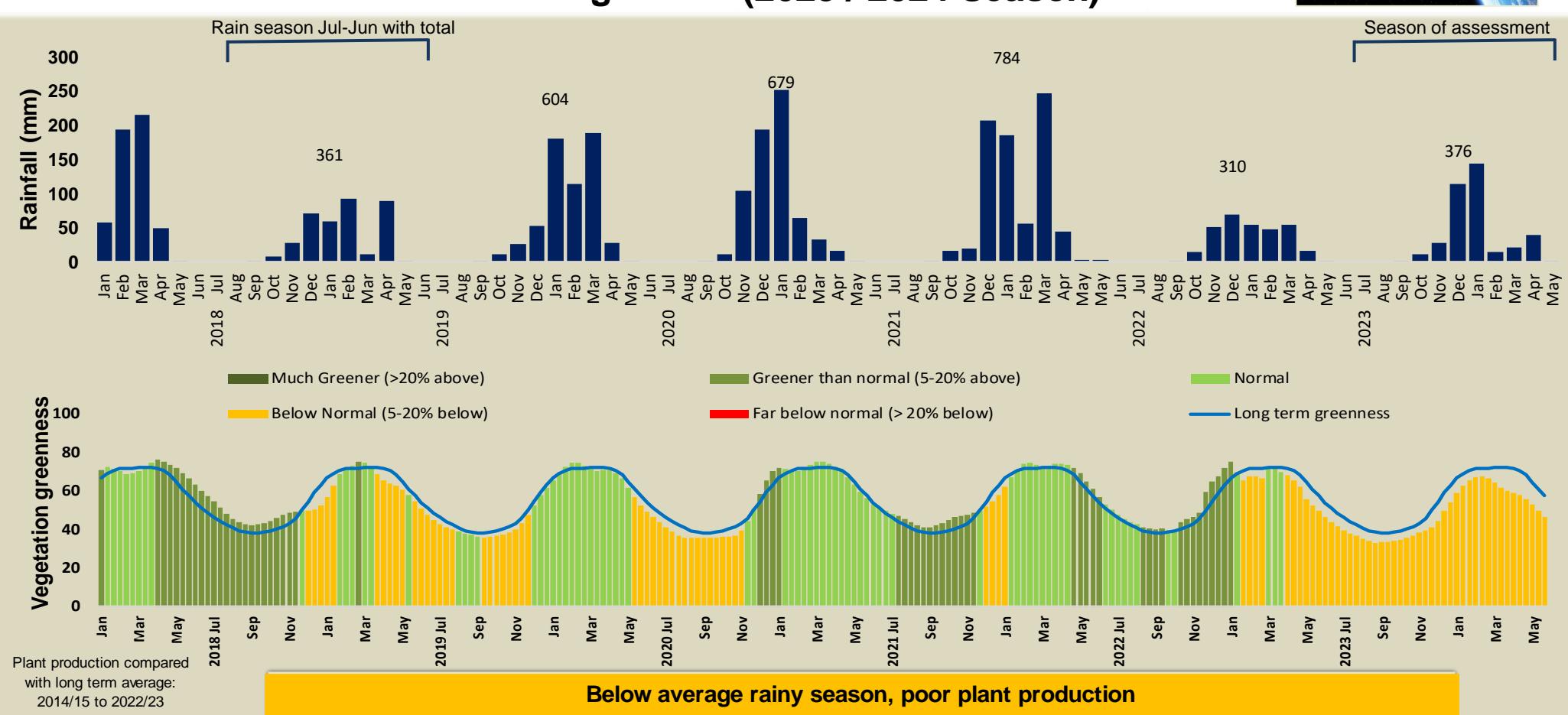
# Kwandu

## 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 is decreasing - Why?

### Vegetation cover : 2023

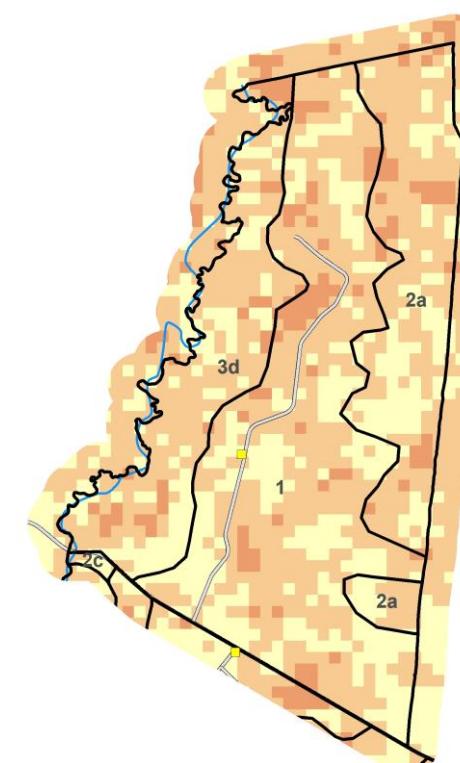


### Vegetation productivity (February to April) 2024

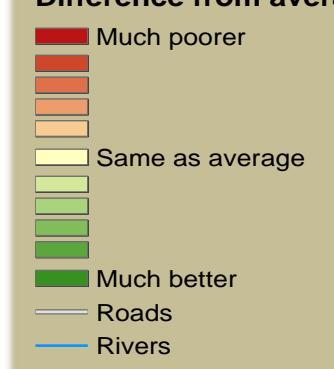
#### Growing season

##### 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

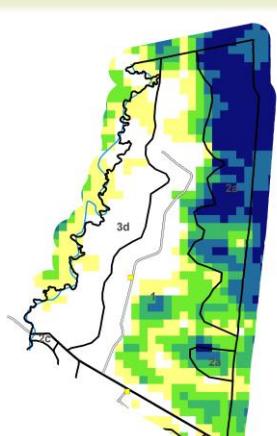


##### Difference from average

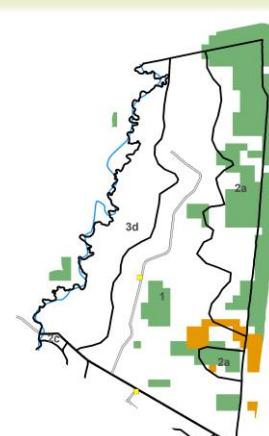


### Fire management

#### Burns between 2000 and 2023



#### When and where it burnt in 2023



#### Times burned

Apr-Jul: 33.6 sq.km, 17.7 %

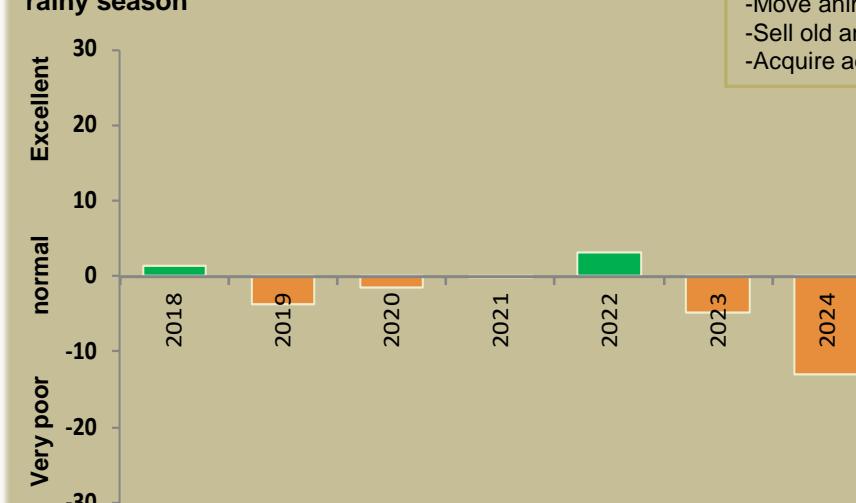
Aug-Dec: 3.9 sq.km, 2.1 %

Prevent late burns next 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.

### Forage availability

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



Below normal forage availability - Enough for livestock and game?



### Management Options

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