

2023

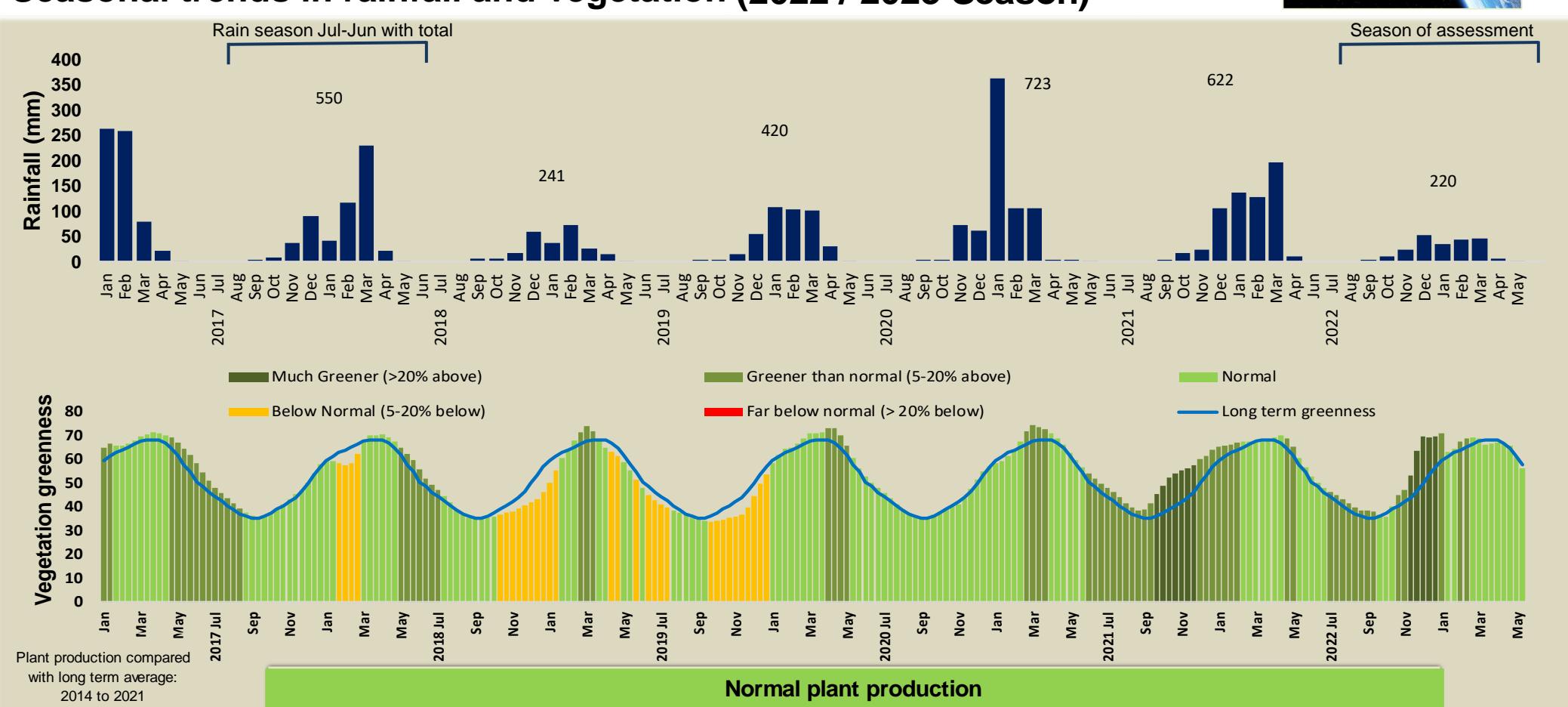
# Muduva Nyangana

## Climate and Vegetation Report

D1

Adapting in response to the current environmental conditions ...

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



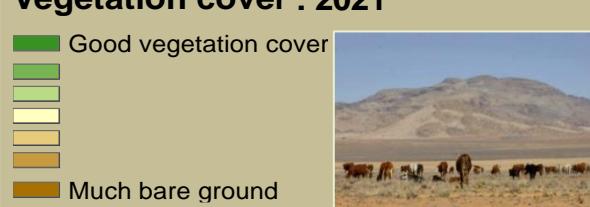
### Vegetation cover trend (2000 - 2021)

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.



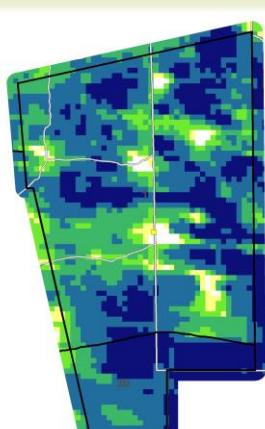
Plant cover has remained the same over time

### Vegetation cover : 2021



### Fire management

#### Burns between 2000 and 2022



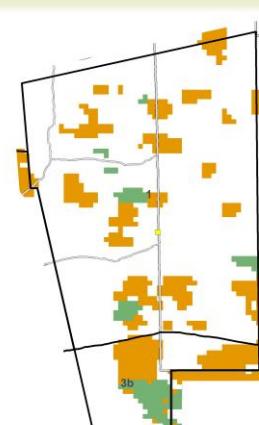
#### Times burned

Apr-Jul: 3.2 sq.km, 0.5 %

Aug-Dec: 201.2 sq.km, 32.7 %

Prevent late burns next season

#### When and where it burnt in 2022

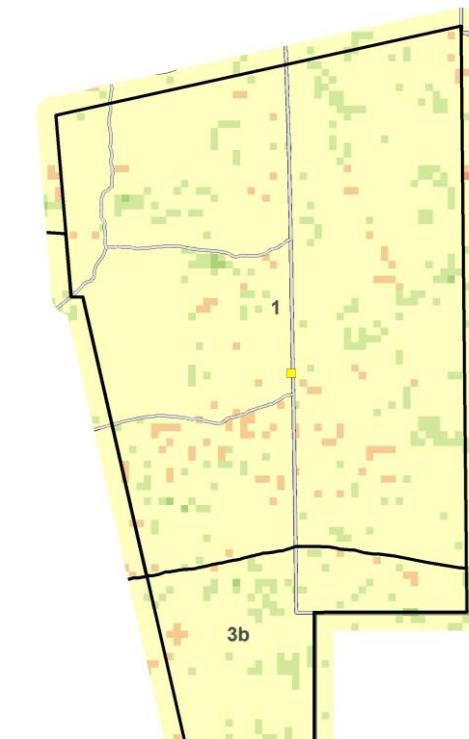


#### Burned area

April - July

Aug - December

### Vegetation productivity (February to April) 2023

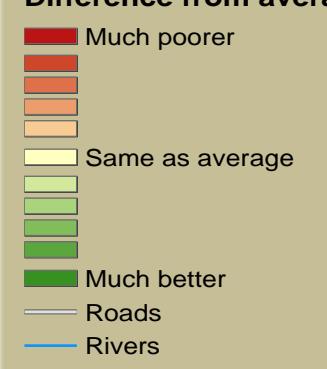


#### Growing season

##### Zones

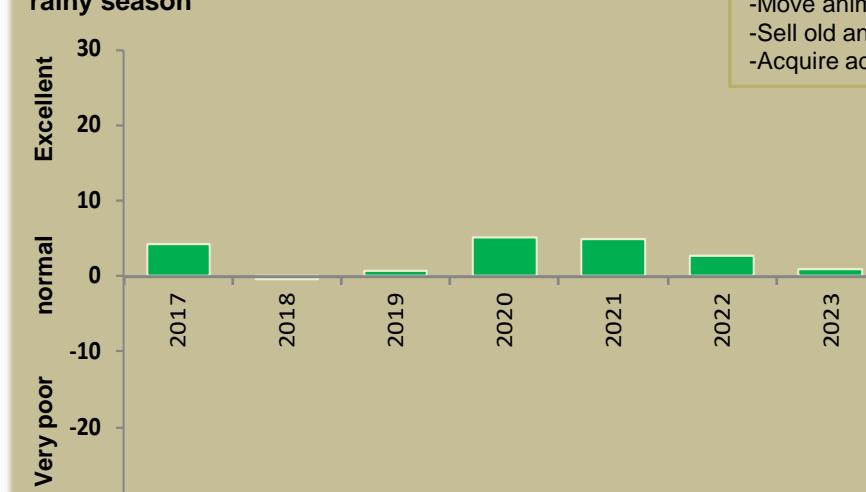
- 1) Settlement & Cropping Area
- 2a) Multiple Use: Livestock Priority
- 2b) Multiple Use: Hunting Priority
- 2c) Multiple Use: Tourism Priority
- 2d) Multiple Use: Mining Priority
- 3a) Exclusive Wildlife: All Utilisation
- 3b) Exclusive Wildlife: Trophy Hunting
- 3c) Exclusive Wildlife: Tourism
- 3d) Exclusive Wildlife: No Disturbance
- 4) Forest

##### Difference from average



### 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

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