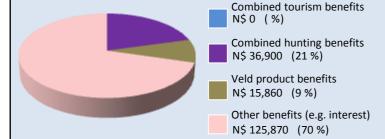
## maximising wildlife benefits by minimising threats...

## **Conservancy status**

#### Benefits from natural resources in 2011

the chart shows the main benefit sources and values and their percentage of the total benefits

Approximate Total Benefits N\$ 178,630



#### Two of the most significant benefits for the conservancy:

- √ cash income to the conservancy to cover running costs and invest in developments
- ✓ employment benefits to conservancy residents

| Conscivancy       | 140,000        |          |            |  |
|-------------------|----------------|----------|------------|--|
|                   |                |          |            |  |
| <b>Employment</b> | Private Sector |          |            |  |
|                   |                |          |            |  |
| benefits          | Conservancy    | 14 staff | N\$ 55,350 |  |

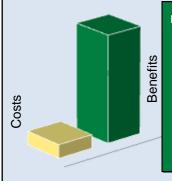
#### Cost of natural resource conflicts in 2011

estimates are based on average national values

| Estimated human wildlife conflict cost    | N\$ 22,410 |  |  |
|---|------------|--|--|
| Estimated poached high value species loss | N\$ 0      |  |  |
| Total conflict cost estimate              | N\$ 22,410 |  |  |

#### Natural resource cost-benefit ratio in 2011

the chart shows the approximate ratio of benefits to costs



Natural resource benefits outweigh approximate conflict costs

> **Total benefits:** N\$ 178.630

Approximate conflict costs: N\$ 22,410

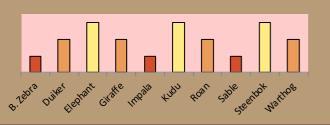
Approximate positive ratio 8:1

\* The annual data collection process results in a lag of 1 year for income data \*

## Management performance in 2012

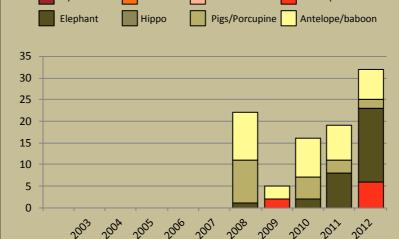
| Category                       | Score | Performance |  |  |  |
|--------------------------------|-------|-------------|--|--|--|
| 1 Adequate staffing            | 2     |             |  |  |  |
| 2 Adequate expenditure         | 2     |             |  |  |  |
| 3 Audit attendance             | 5     |             |  |  |  |
| 4 NR management plan           | 2     |             |  |  |  |
| 5 Zonation                     | 2     |             |  |  |  |
| 6 Leadership                   | 2     |             |  |  |  |
| 7 Display of material          | 2     |             |  |  |  |
| 8 Event Book modules           | 3     |             |  |  |  |
| 9 Event Book quality           | 2     |             |  |  |  |
| 10 Compliance                  | 2     |             |  |  |  |
| 11 Game census                 | 2     |             |  |  |  |
| 12 Reporting & adaptive m/ment | 2     |             |  |  |  |
| 13 Law enforcement             | 2     |             |  |  |  |
| 14 Human Wildlife Conflict     | 3     |             |  |  |  |
| 15 Sources of NR income        | 2     |             |  |  |  |
| 16 Benefits produced           | 2     |             |  |  |  |
| 17 Resource Sustainability     | 2     |             |  |  |  |

## Wildlife status summary in 2012



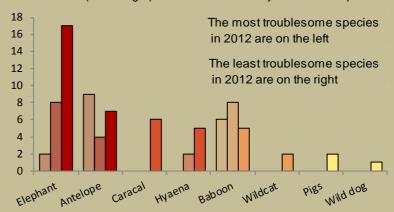
## **Human wildlife conflict**

#### **Human wildlife conflict trend** the chart shows the total number of incidents each year, subdivided by species, grouped as herbivores and predators Hyaena Crocodile Other predators Lion Elephant



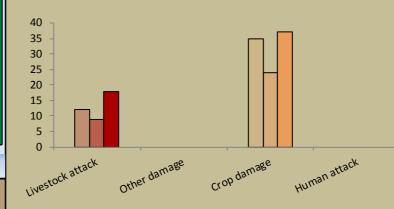
#### Most troublesome problem animals 2010-2012

the chart shows the number of incidents per species for the last 3 years; the darkest bar (on the right) indicates the current year for each species

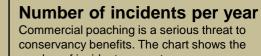


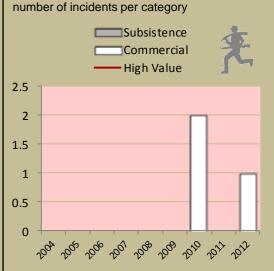
#### Type of damage by problem animals 2010-2012

the chart shows the number of incidents per category for the last 3 years; the darkest bar (on the right) indicates the current year for each type



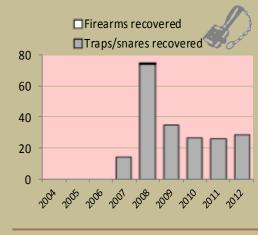
## **Poaching**





#### Traps and firearms recovered

number of incidents per category



## **Arrests and convictions**

number of incidents per category



## Wildlife removals - quota use and value

| Species   | Quota 2012 |                                 |        |                                  |           | Animals actually used in 2012       |        |                         |                 |                   |                   |              |
|-----------|------------|---------------------------------|--------|----------------------------------|-----------|-------------------------------------|--------|-------------------------|-----------------|-------------------|-------------------|--------------|
|           | Total      | Potential<br>Total<br>Value N\$ | Trophy | Potential<br>Trophy<br>Value N\$ | Other Use | Potential<br>Other use<br>Value N\$ | Trophy | Own Use<br>&<br>Premium | Shoot &<br>Sell | Capture<br>& Sale | Problem<br>Animal | Total<br>Use |
| Duiker    | 6          | 2,344                           | 2      | 2,316                            | 4         | 28                                  |        | 1                       |                 |                   |                   | 1            |
| Elephant* | 3          | 248,162                         | 2      | 244,982                          |           |                                     | 1      |                         |                 |                   |                   | 1            |
| Gemsbok   |            |                                 |        |                                  |           |                                     |        | 1                       |                 |                   |                   | 1            |
| Giraffe   | 1          | 7,055                           | 1      | 7,055                            |           |                                     |        |                         |                 |                   |                   |              |
| Hyaena    | 2          | 5,962                           | 2      | 5,962                            |           |                                     |        |                         |                 |                   |                   |              |
| Kudu      | 4          | 8,730                           | 2      | 8,472                            | 2         | 258                                 |        | 1                       |                 |                   |                   | 1            |
| Leopard   | 1          | 20,586                          | 1      | 20,586                           |           |                                     |        |                         |                 |                   |                   |              |
| Roan*     | 1          | 47,556                          | 1      | 47,556                           |           |                                     |        |                         |                 |                   |                   |              |
| Steenbok  | 6          | 36                              |        |                                  | 6         | 36                                  |        |                         |                 |                   |                   |              |
|           |            |                                 |        |                                  |           |                                     |        |                         |                 |                   |                   |              |
|           |            |                                 |        |                                  |           |                                     |        |                         |                 |                   |                   |              |
|           |            |                                 |        |                                  |           |                                     |        |                         |                 |                   |                   |              |
|           |            |                                 |        |                                  |           |                                     |        |                         |                 |                   |                   |              |
|           |            |                                 |        |                                  |           |                                     |        |                         |                 |                   |                   |              |
|           |            |                                 |        |                                  |           |                                     |        |                         |                 |                   |                   |              |
|           |            |                                 |        |                                  |           |                                     |        |                         |                 |                   |                   |              |

## Potential value estimates (N\$) for quotas are based on:

- Potential trophy value the average national trophy value of each trophy species multiplied by the quota number
- · Potential other use value the average national meat value of each common species multiplied by the quota number - the average live sale value of each high value species (indicated with an \*) multiplied by the quota number
- high value species are never used for meat

## Key to the status barometer

Wildlife status extinct very rare rare uncommon common abundant weak/bad reasonable good Management performance & other data

## Success/threat flags

success/ benefit created

weakness/

action needed

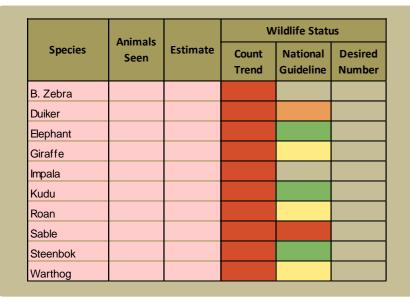
Conservancies reduce environmental costs while increasing environmental benefits. Benefits from wildlife can far outweigh human wildlife conflict costs.



# th Event Book Data

## monitoring numbers and trends for a healthy conservancy...

## **Current wildlife numbers and status**



#### Wildlife Status

Count trend – gives the species status in the conservancy based on game count trend data

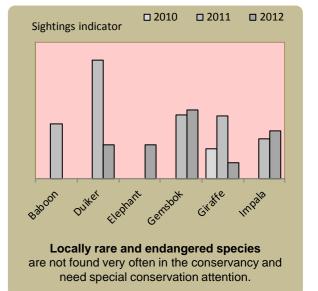
National guideline – gives the species status in the conservancy using national guidelines for the conservancy; for example, lions may cause local problems, but are of high value and are rare at landscape level.

**Desired number** – gives the species status in the conservancy based on what the conservancy would like to have.

dark green (abundant) - there should be less; light green (common) - the desired number is reached; yellow (uncommon) - there should be more;

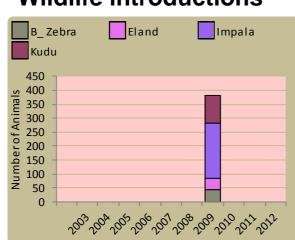
light orange (rare) - there should be more than double; dark orange (very rare) – there should be more than triple; red (extinct) - the species needs to be reintroduced.

## Locally rare species

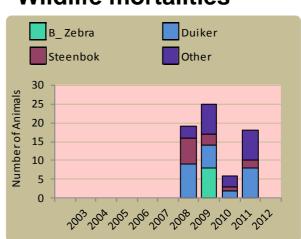




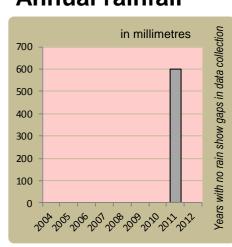
## Wildlife introductions



## Wildlife mortalities

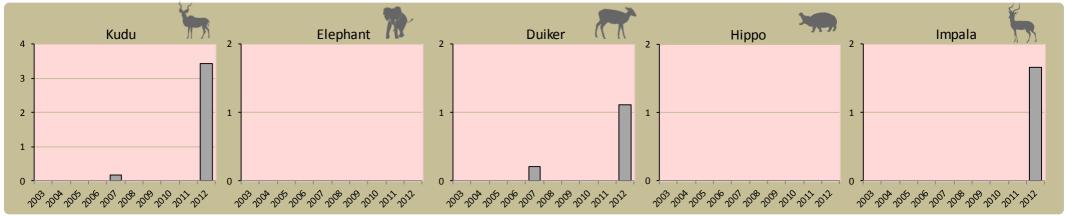


## **Annual rainfall**

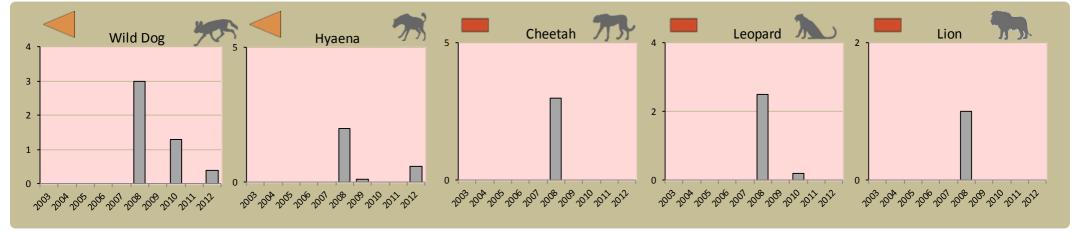


## **Fixed route patrols**

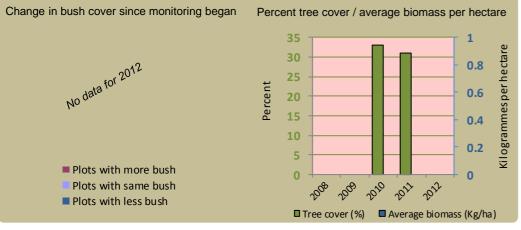
charts show the number of sightings of each species per fixed route foot patrol each year



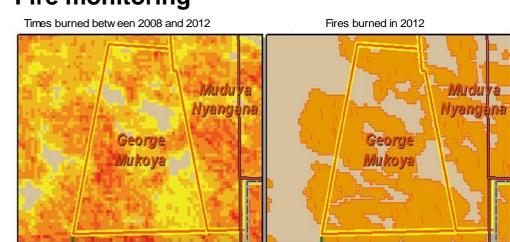
**Predator monitoring** charts show the average number of animals seen per Event Book each year status barometers reflect the general sightings trend over the last 5 years



## **Vegetation monitoring**



## Fire monitoring





Wildlife provides a wide range of benefits. Some wildlife can cause conflicts, but all wildlife is of value to tourism, trophy hunting and a healthy environment.



By using all the available information and adapting and improving activities, threats such as human wildlife conflict, poaching and other issues can be minimised.

