

Annual Natural Resource Report

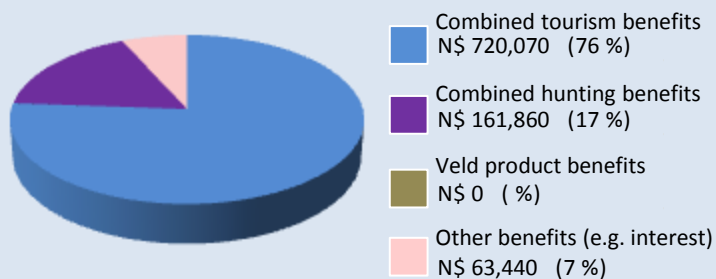
maximising wildlife benefits by minimising threats...

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\$ 945,370



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

| | | | |
|---------------------|----------------|-------------|-------------|
| Conservancy income | | N\$ 500,400 | |
| Employment benefits | Private Sector | 21 staff | N\$ 250,400 |
| | Conservancy | 12 staff | N\$ 190,250 |

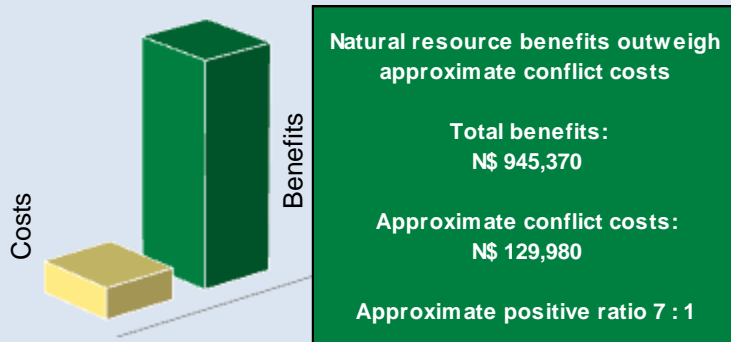
Cost of natural resource conflicts in 2011

estimates are based on average national values

| | |
|---|--------------------|
| Estimated human wildlife conflict cost | N\$ 129,980 |
| Estimated poached high value species loss | N\$ 0 |
| Total conflict cost estimate | N\$ 129,980 |

Natural resource cost-benefit ratio in 2011

the chart shows the approximate ratio of benefits to costs

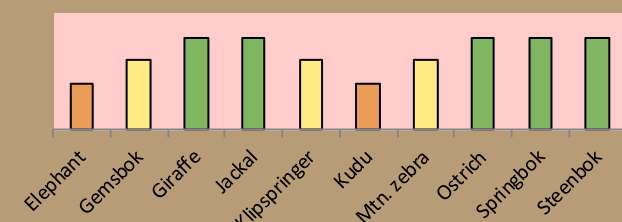


* The annual data collection process results in a lag of 1 year for income data *

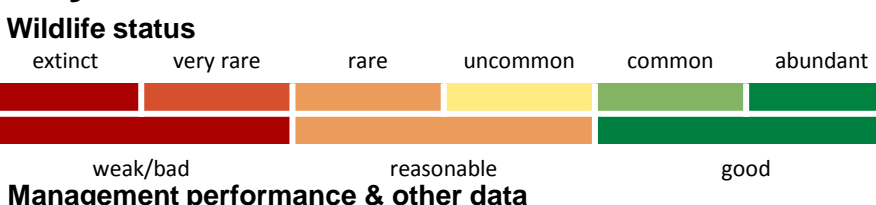
Management performance in 2012

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

Wildlife status summary in 2012



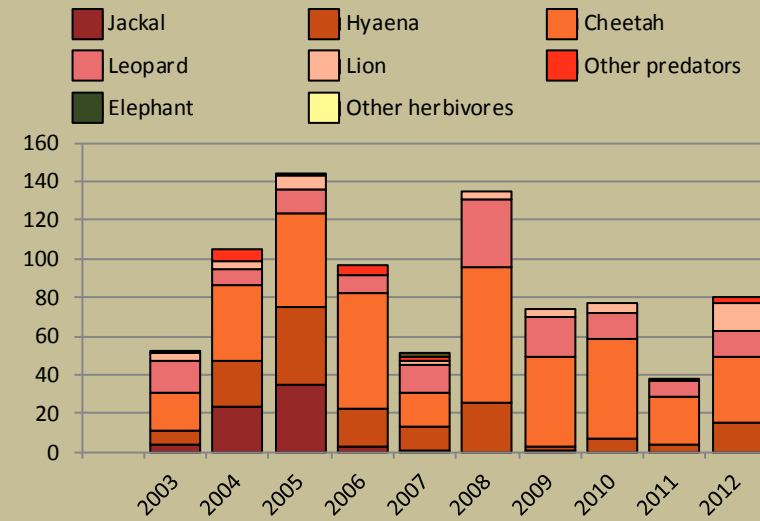
Key to the status barometer



Human wildlife conflict

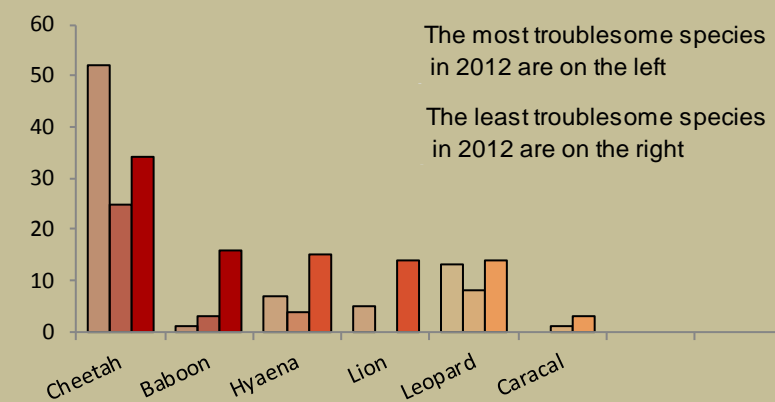
Human wildlife conflict trend

the chart shows the total number of incidents each year, subdivided by species, grouped as herbivores and predators



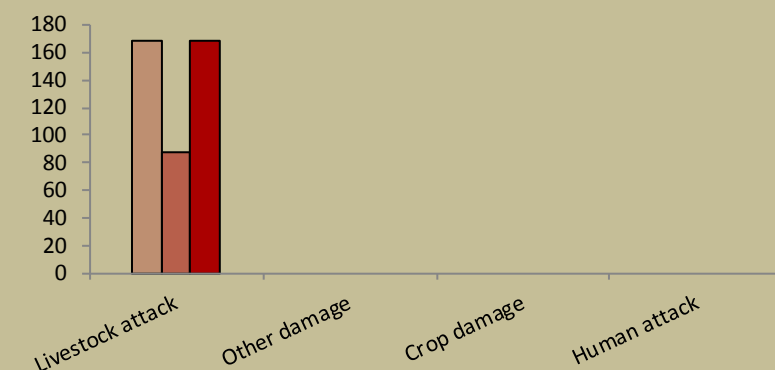
Most troublesome problem animals 2010-2012

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

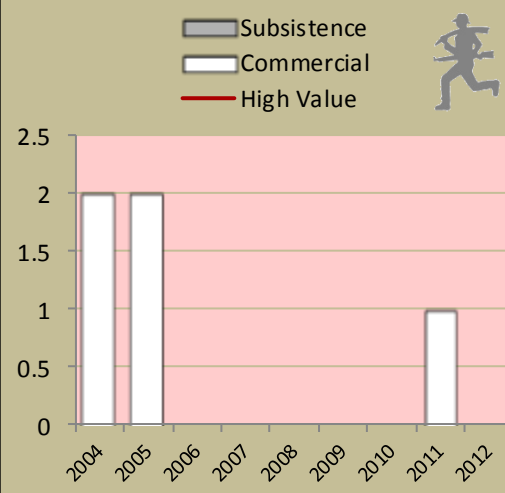
the chart shows the number of incidents per category for the last 3 years; the darkest bar (on the right) indicates the current year for each type



Poaching

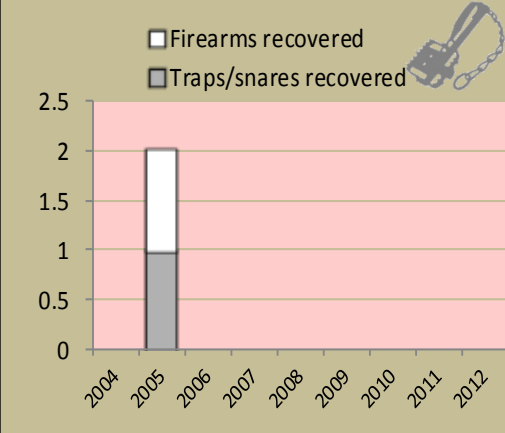
Number of incidents per year

Commercial poaching is a serious threat to conservancy benefits. The chart shows the number of incidents per category



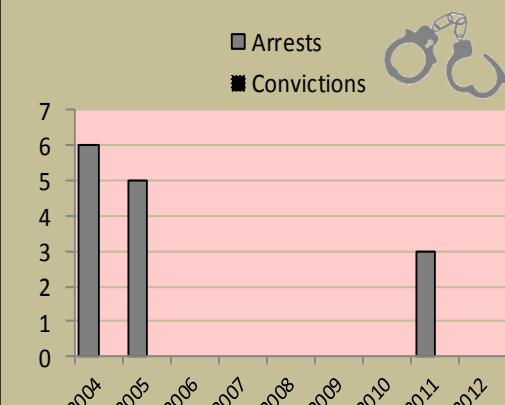
Traps and firearms recovered

number of incidents per category



Arrests and convictions

number of incidents per category



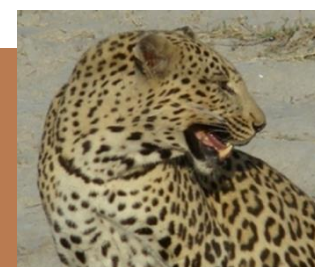
Wildlife removals – quota use and value

| Species | Quota 2012 | | | | | | Animals actually used in 2012 | | | | | |
|-----------|------------|---------------------------|--------|----------------------------|-----------|-------------------------------|-------------------------------|-------------------|--------------|----------------|----------------|-----------|
| | Total | Potential Total Value N\$ | Trophy | Potential Trophy Value N\$ | Other Use | Potential Other use Value N\$ | Trophy | Own Use & Premium | Shoot & Sell | Capture & Sale | Problem Animal | Total Use |
| Baboon | 4 | 1,076 | 4 | 1,076 | | | | | | | | |
| Cheetah | 1 | | 1 | | | | | | | | | |
| Gemsbok | 90 | 55,680 | 20 | 48,120 | 70 | 7,560 | | 19 | 40 | | | 59 |
| Giraffe | 2 | 14,110 | 2 | 14,110 | | | | | | | | |
| Hyaena | 1 | 2,981 | 1 | 2,981 | | | | | | | | |
| Jackal | 2 | 314 | 2 | 314 | | | | | | | | |
| Ostrich | 4 | 2,134 | 2 | 2,074 | 2 | 60 | | | 2 | | | 2 |
| Springbok | 135 | 30,410 | 20 | 27,420 | 115 | 2,990 | | 30 | 76 | | | 106 |
| Mtn Zebra | 10 | 18,280 | 5 | 17,450 | 5 | 830 | | | 5 | | | 5 |

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

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



With Event Book Data

Not all data or species are shown on this report; use your Event Book for more information

Sesfontein

2012

monitoring numbers and trends for a healthy conservancy...

Current wildlife numbers and status

| Species | Animals Seen 2012 | Range | | Wildlife Status | | |
|--------------|-------------------|------------------|-----------------|-----------------|--------------------|----------------|
| | | Minimum Estimate | Likely Estimate | Count Trend | National Guideline | Desired Number |
| Elephant | 5 | 5 - 40 | | Red | Yellow | |
| Gemsbok | 233 | 1178 - 2370 | | Orange | Green | |
| Giraffe | 27 | 41 - 80 | | Dark Green | Yellow | |
| Jackal | 4 | 4 - 30 | | Yellow | Green | |
| Klipspringer | | | | Red | Green | |
| Kudu | | | | Red | Yellow | |
| Mtn. zebra | 49 | 174 - 170 | | Orange | Green | |
| Ostrich | 41 | 224 - 330 | | Green | Green | |
| Springbok | 316 | 1837 - 4370 | | Green | Green | |
| Steenbok | 6 | 4 - 40 | | Yellow | Green | |

Wildlife Status

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

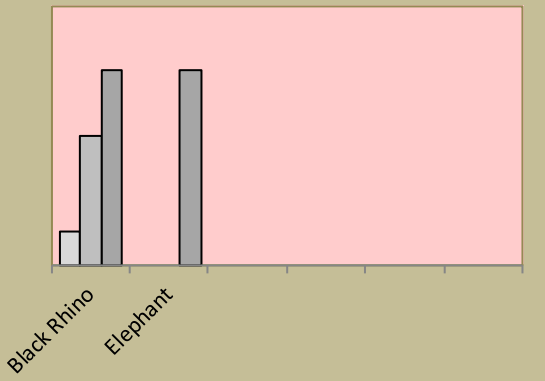
National guideline – gives the species status in the conservancy using national guidelines for the conservancy; for example, lions may cause local problems, but are of high value and are rare at landscape level.

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.

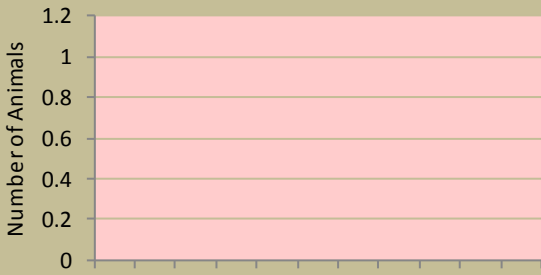
Locally rare species

Sightings indicator □ 2010 □ 2011 □ 2012

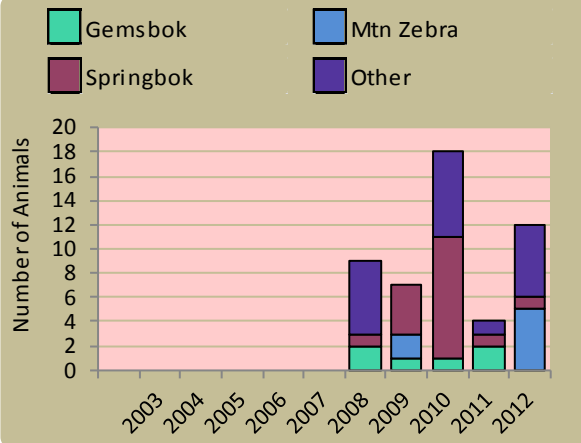


Locally rare and endangered species are not found very often in the conservancy and need special conservation attention.

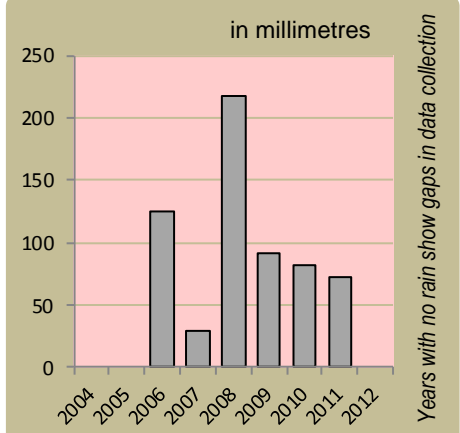
Wildlife introductions



Wildlife mortalities

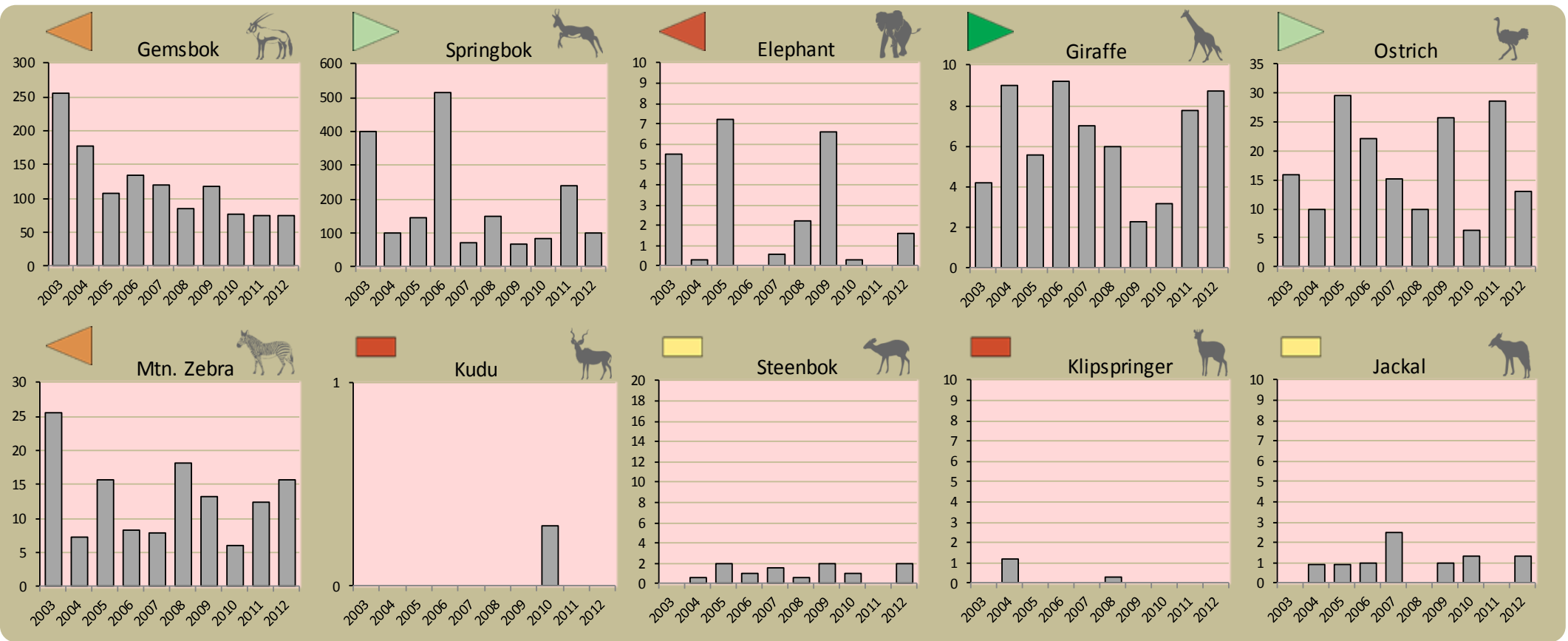


Annual rainfall



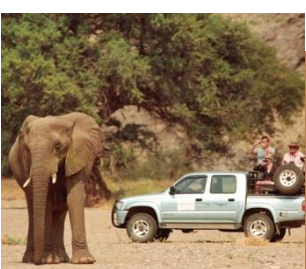
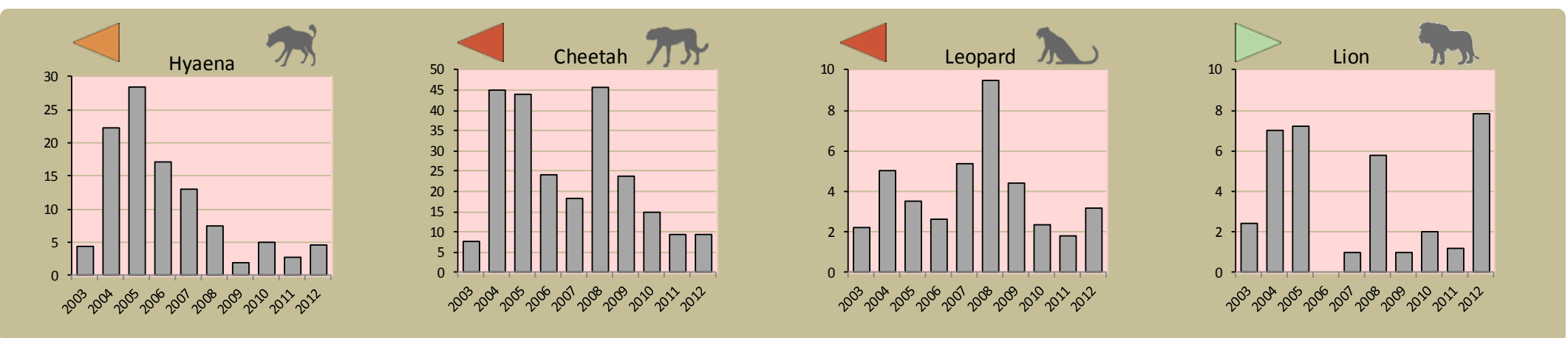
Annual game count

charts show the number of animals seen each year per 100 km driven during the game count status barometers reflect the general count trend over the last 5 years



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



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.

