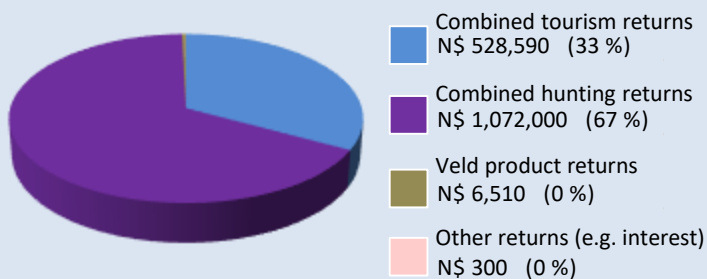# Mayuni
Status Summary & Natural Resource Report

maximising wildlife returns by minimising threats...

Conservancy status summary

Returns from natural resources in 2016
the chart shows the main sources of returns and values and their percentage of the total returns

Approximate Total Returns N$ 1,607,400

- Combined tourism returns N$ 528,590 (33 %)
- Combined hunting returns N$ 1,072,000 (67 %)
- Veld product returns N$ 6,510 (0 %)
- Other returns (e.g. interest) N$ 300 (0 %)

Two of the most significant returns for the conservancy:
- ✓ cash income to the conservancy to cover running costs and invest in developments
- ✓ Employment to conservancy residents

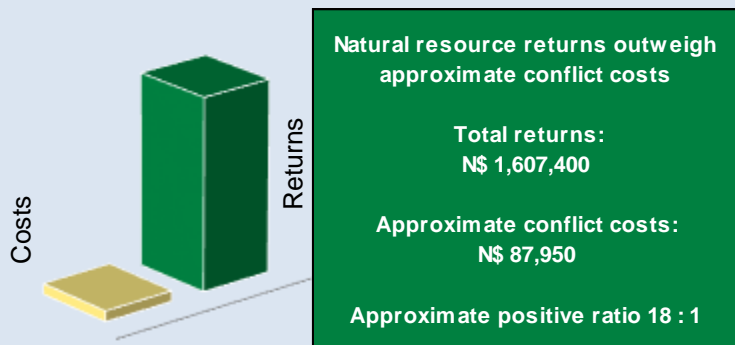| Conservancy income			N$ 1,488,710
Employment	Private Sector	47 staff	N$ 118,690
	Conservancy	19 staff	N$ 491,260

Cost of natural resource conflicts in 2016
estimates are based on average national values

| Estimated human wildlife conflict cost	N$ 78,250
Estimated poached high value species loss	N$ 9,700
Total conflict cost estimate	N$ 87,950

Natural resource cost–return ratio in 2016
the chart shows the approximate ratio of returns to costs

Natural resource returns outweigh approximate conflict costs

Total returns: N$ 1,607,400

Approximate conflict costs: N$ 87,950

Approximate positive ratio 18 : 1

Management performance in 2016

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

Wildlife status summary in 2016
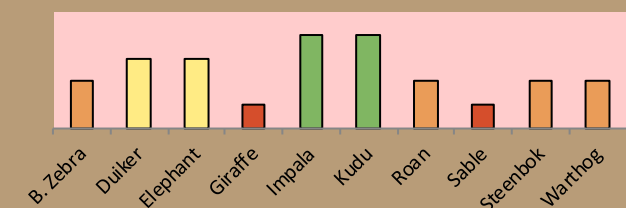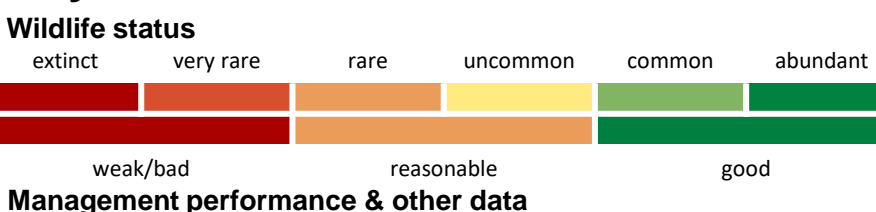
B. Zebra, Duiker, Elephant, Giraffe, Impala, Kudu, Roan, Sable, Steenbok, Warthog

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

Legend: Hyaena, Lion, Crocodile, Other predators, Elephant, Hippo, Pigs/Porcupine, Antelope/baboon
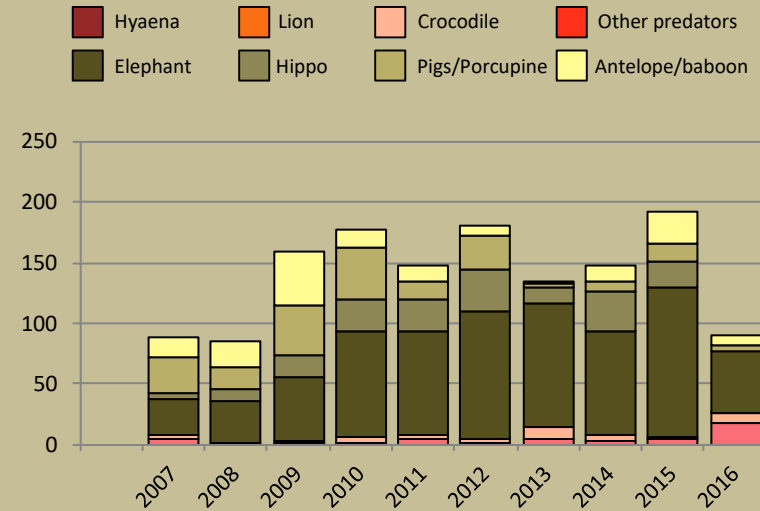
Most troublesome problem animals 2014-2016
the chart shows the number of incidents per species for the last 3 years; the darkest bar (on the right) indicates the current year for each species

The most troublesome species in 2016 are on the left

The least troublesome species in 2016 are on the right

Elephant, Crocodile, Antelope, Leopard, Pigs, Hyaena, Porcupine, Baboon

Type of damage by problem animals 2014-2016
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

Livestock attack, Other damage, Crop damage, Human attack
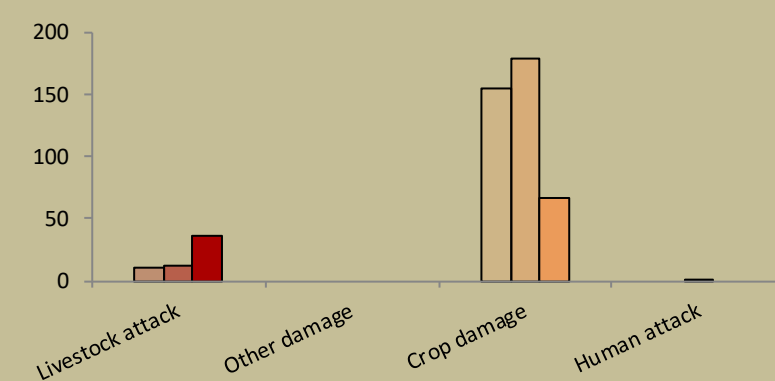
Poaching

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

Legend: Subsistence, Commercial, High Value
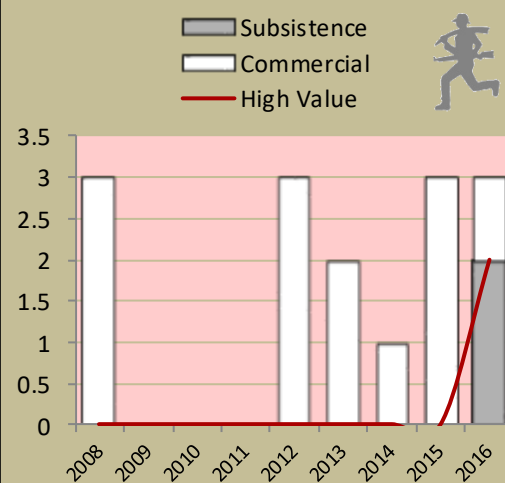
Traps and firearms recovered
number of incidents per category

Legend: Firearms recovered, Traps/snares recovered
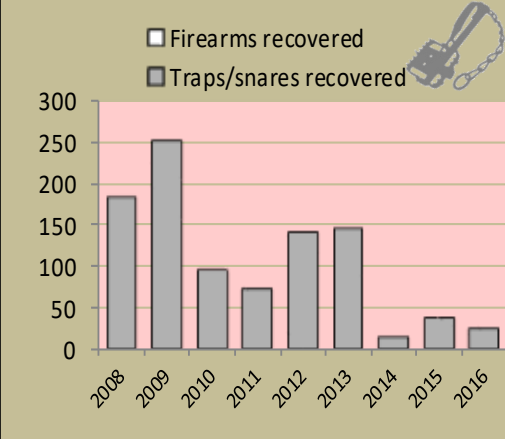
Arrests and convictions
number of incidents per category

Legend: Arrests, Convictions
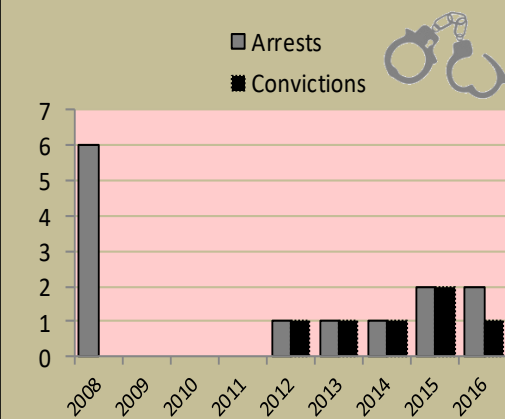
Wildlife removals – quota use and value

Species	Quota 2016			Animals actually used in 2016						Potential Trophy Value N$	Potential Other use Value N$
	Total	Trophy	Other Use	Trophy	Own Use & Premium	Shoot & Sell	Capture & Sale	Problem Animal	Total Use		
Baboon	4	4								500	
Crocodile	1	1		1					1	25,500	
Duiker	2	2								1,500	
Eland*	3	2	1	2					3	4,000	9,625
Elephant*	5	2	3	2	2				5	200,000	270,000
Hippo	4	2	2	2	1				4	25,000	5,500
Impala	4	1	3		2				3	2,700	680
Kudu*	5	2	3		2				2	5,000	14,550
Lechwe	4	4		4					4	15,000	
Leopard	1	1		1					1	35,000	
Reedbuck	3	3								2,700	
Blue wildebeest*	4	3	1							3,800	3,725

Potential value estimates (N$) for species are based on:
- **Potential trophy value** - the average trophy value for that species in the conservancy landscape
  - trophy values vary depending on trophy quality, international recognition of the hunting operator and the hunting area
- **Potential other use value** - the average meat value for common species
  - the average live sale value of each high value species (indicated with an *)[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

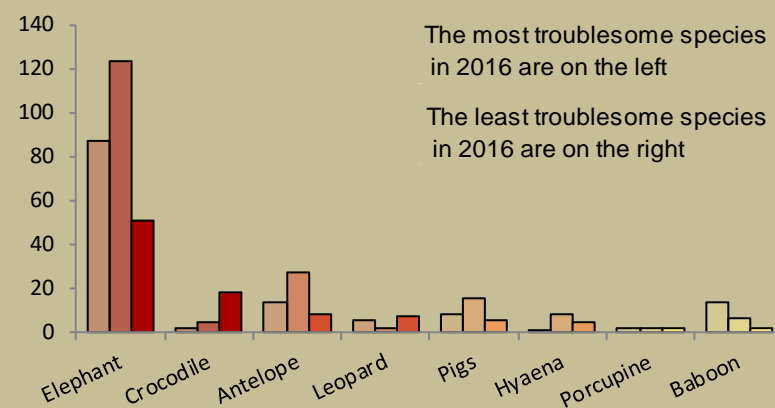- success/benefit created
- weakness/action needed

Conservancies reduce environmental costs while increasing environmental returns. Returns from wildlife can far outweigh human wildlife conflict costs.

monitoring numbers and trends for a healthy conservancy…

Current wildlife numbers and status

Species	Animals Seen	Estimate	Wildlife Status		
			Count Trend	National Guideline	Desired Number
B. Zebra					
Duiker	1	26			
Elephant					
Giraffe					
Impala	10	?			
Kudu	7	64			
Roan					
Sable					
Steenbok					
Warthog					

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.

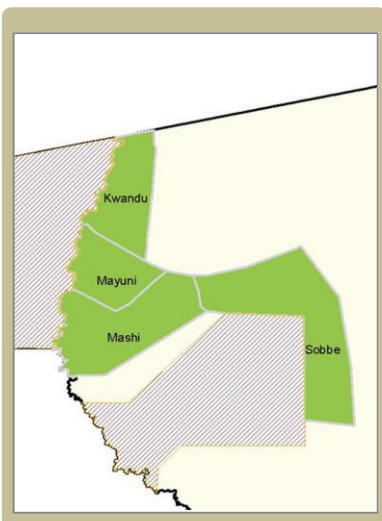**Desired number** – gives the species status in the conservancy based on what the conservancy would like to have.

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;
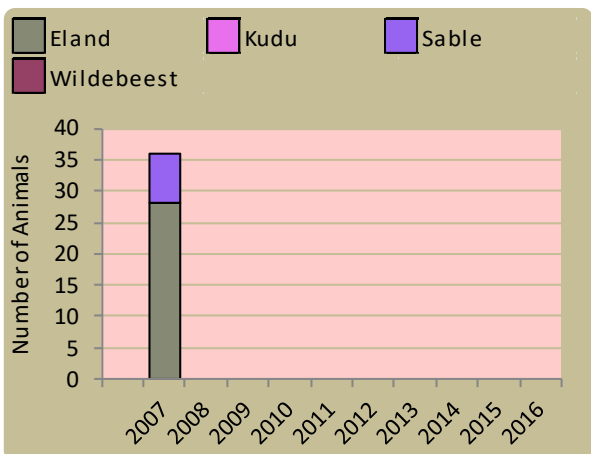**red** (extinct) – the species needs to be reintroduced.

Locally rare species

Sightings indicator — □ 2014 □ 2015 □ 2016

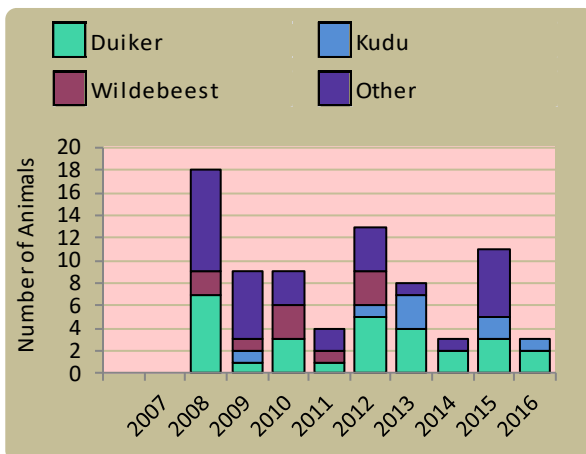Buffalo, Bushbuck, Eland, Giraffe, Ground Hornbill, Impala
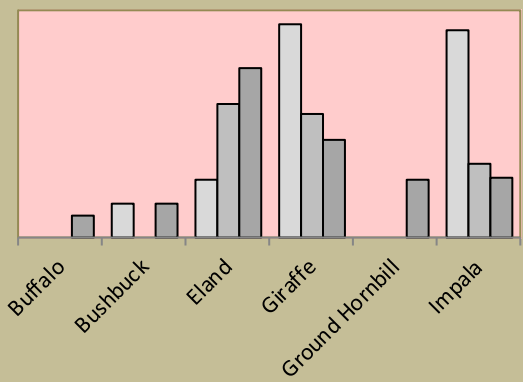
Locally rare and endangered species are not found very often in the conservancy and need special conservation attention.
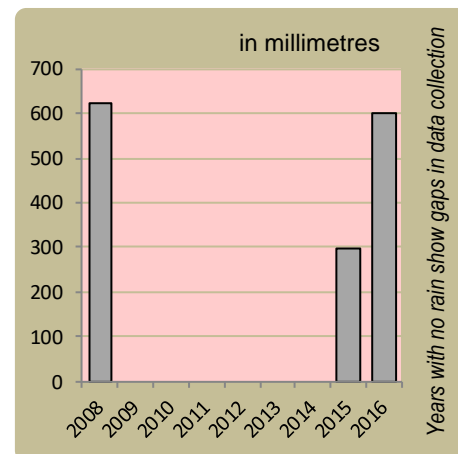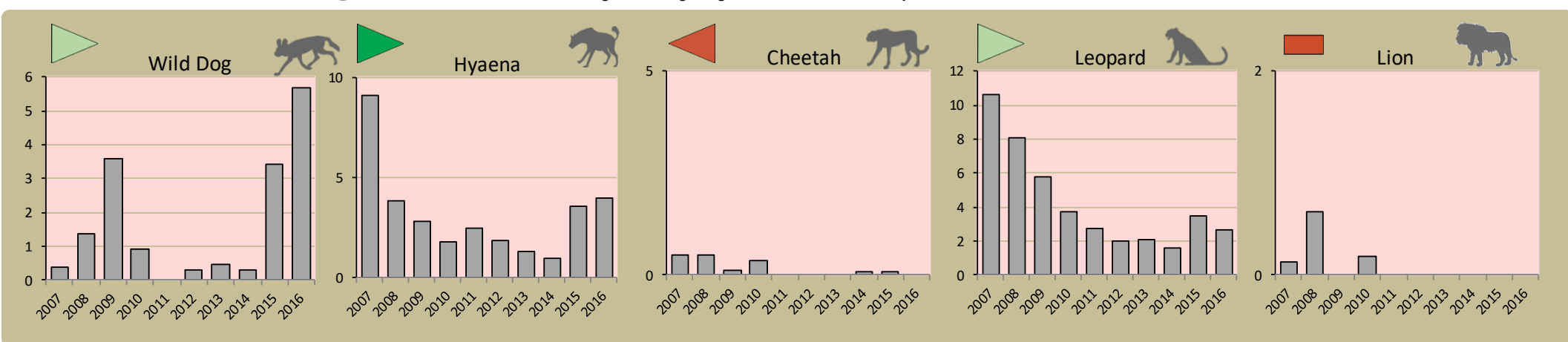
Wildlife introductions

Eland, Kudu, Sable, Wildebeest

Number of Animals (2007–2016)

Wildlife mortalities

Duiker, Kudu, Wildebeest, Other

Number of Animals (2007–2016)

Annual rainfall

in millimetres

Years with no rain show gaps in data collection

(2008–2016)

Fixed route patrols

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

Kudu (2007–2016)
Elephant (2007–2016)
Duiker (2007–2016)
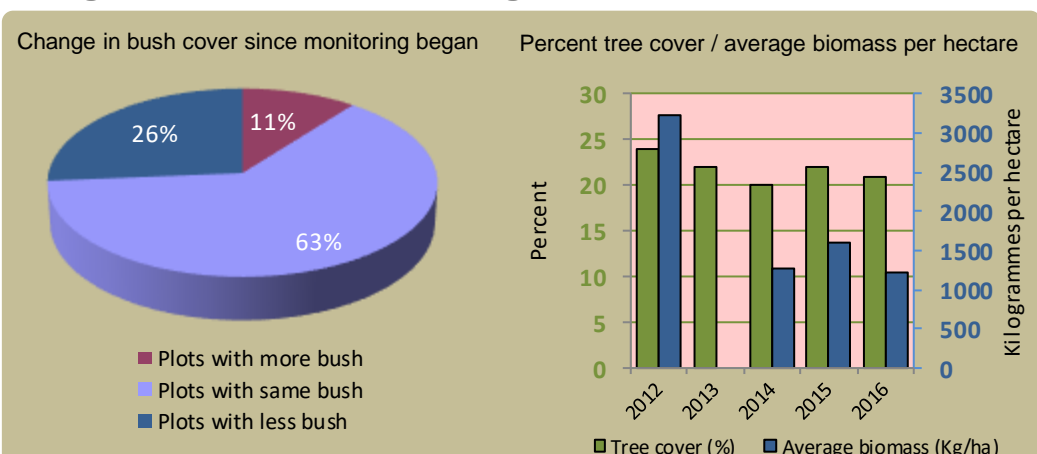**Hippo** (2007–2016)
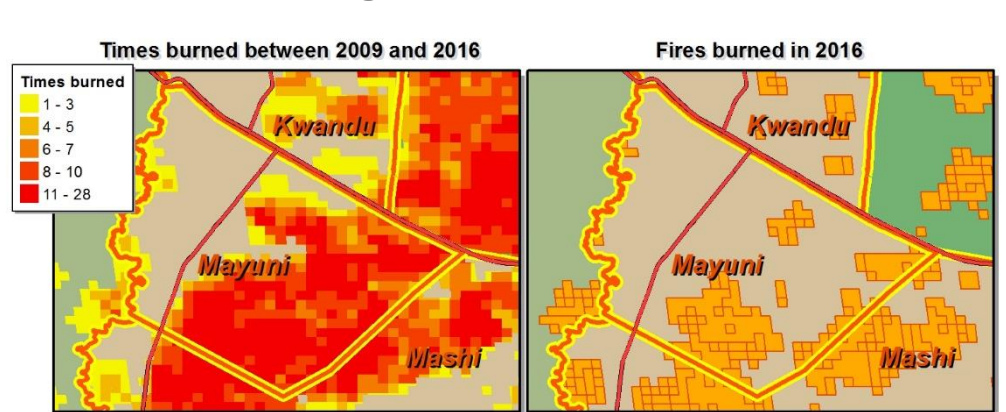**Lechwe** (2007–2016)
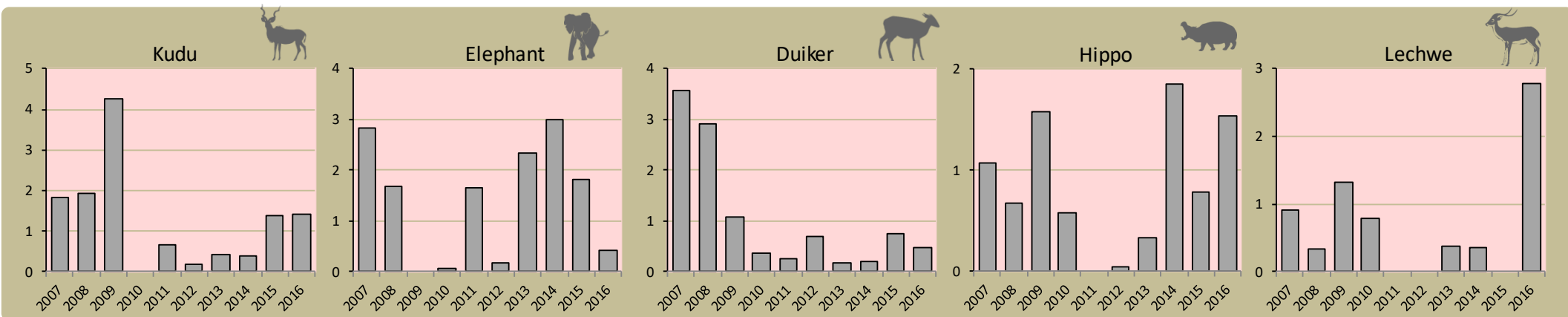
Predator monitoring

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

Wild Dog (2007–2016)
Hyaena (2007–2016)
Cheetah (2007–2016)
Leopard (2007–2016)
Lion (2007–2016)

Vegetation monitoring

Change in bush cover since monitoring began

- 11% — Plots with more bush
- 63% — Plots with same bush
- 26% — Plots with less bush

Percent tree cover / average biomass per hectare

Percent / Kilogrammes per hectare

Tree cover (%), Average biomass (Kg/ha) (2012–2016)

Fire monitoring

Times burned between 2009 and 2016

Times burned:
- 1 – 3
- 4 – 5
- 6 – 7
- 8 – 10
- 11 – 28

Kwandu, Mayuni, Mashi

Fires burned in 2016

Kwandu, Mayuni, Mashi

Kwandu, Mayuni, Mashi, Sobbe

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.

Mayuni Institutional Report

Not all institutional data are shown on this report: use your governance institution audit for more information

Enabling wise conservancy governance…

Conservancy statistics

Date Registered:	December 1999
Population (2011 census):	2200
Size (square kilometres):	151

Conservancy Governance

Number of management committee members:	14
Date of last AGM:	Tue, November 29, 2016
Attendance at AGM:	Men: 81; Women: 98
Date of next AGM:	Wed, November 29, 2017

Other important issues

Budget approved?	✔
Work plan approved?	✔

Constitutional adherence

Approved constitution	✔
AGM held	✔
Management and utilisation plan	✔
Financial annual report approved at AGM	✔
Financial report external review	✘
Benefit distribution plan	✔

Employment

Conservancy staff: Male		14
Female		5
Community game guards:		11
Community resource monitors:		3
Lodge staff: Male		0
Female		0

Benefits

Cash	In Kind
	Cash Benefits
	Social Benefits

Conservancy Self Evaluation How well does the conservancy consider it has performed in the past year?

Effectiveness of implementation	Poor	Fair	Good	Explanation of effectiveness rating
Game Management and Utilisation			▮	No reports of unsustainable utilisation of natural resources, no illegal harvesting.
Zonation Plan			▮	Communities and operators adhere to the different land uses.
Benefit Distribution			▮	Members are happy with the benefits received and criteria used.
Human Wildlife Conflict Management			▮	Game guards help farmers during farming season, members happy and appreciate support.
Sustainable Business and Financial Planning		▮		Conservancy lost 2 JVs which generated income.
Tourism			▮	Well managed relationships with operators. Tourism sites well managed.
Staff Management			▮	Staff understand their duties and activities of the conservancy are well implemented.
Assets Management/Register		▮		Assets register outdated.
HIV/AIDS			▮	Members making use of supplied materials.
Communication			▮	Members respond positively and adhere to conservancy schedules.