Otuzemba
Natural Resource Report

maximising wildlife returns by minimising threats…

Performance Indicators

Management performance in 2019

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 management		
13 Law enforcement		
14 Human Wildlife Conflict		
15 Harvesting management		
16 Sources of NR income		
17 Benefits produced		
18 Resource trends		
19 Resource targets		

Key to performance indicators

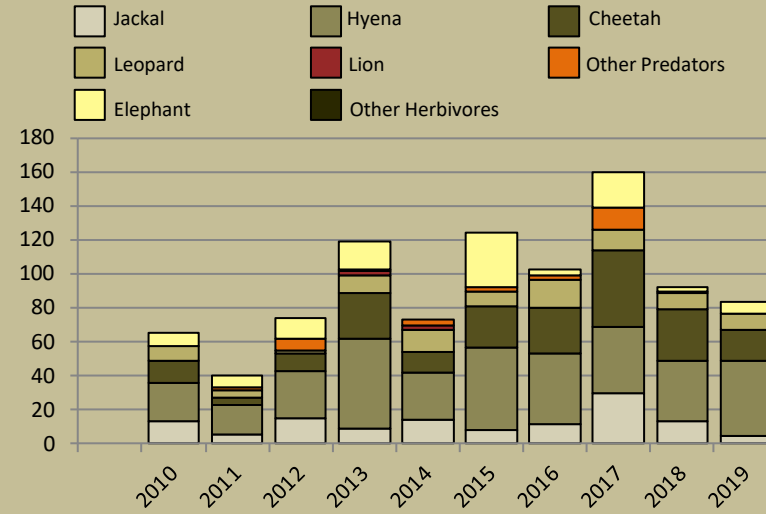| weak/bad	reasonable	good

Performance is assessed on a scoring system from zero (none) to a maximum of between 3 and 6 (strong/excellent) depending on the indicator.

Indicators 1-17 reflect the performance of the management team in place in the conservancy and an efficient team can achieve a good rating in all 17 indicators.
Indicators 18 & 19 are influenced by external factors and are not considered a reflection of conservancy management. They indicate the current status of wildlife in the conservancy in relation to a theoretical optimal situation.
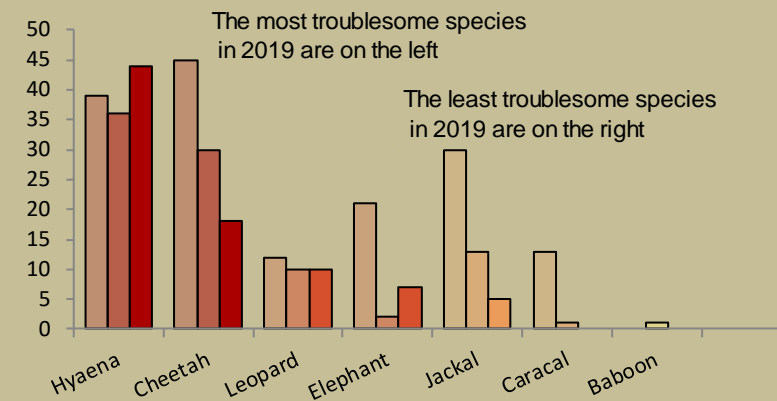
Human wildlife conflict

Human wildlife conflict trend

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

Legend: Jackal, Leopard, Elephant, Hyena, Lion, Cheetah, Other Predators, Other Herbivores
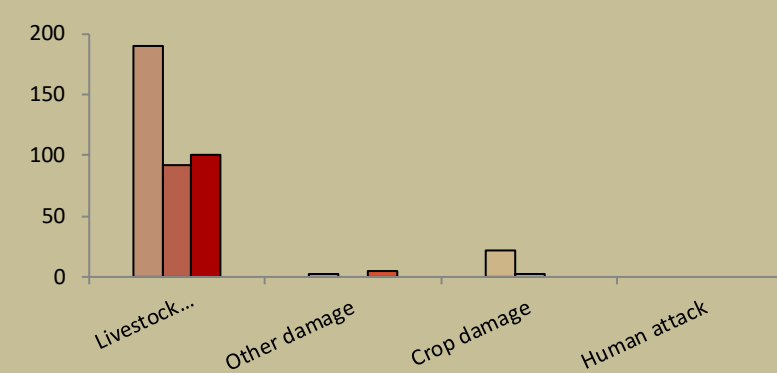
Most troublesome problem animals 2017-2019

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 2019 are on the left

The least troublesome species in 2019 are on the right

(species: Hyaena, Cheetah, Leopard, Elephant, Jackal, Caracal, Baboon)

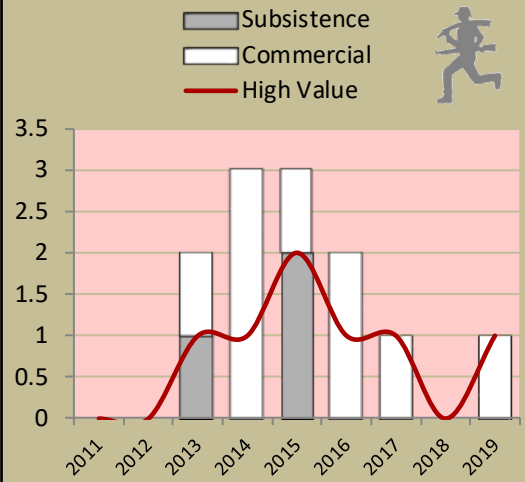### Type of damage by problem animals 2017-2019

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

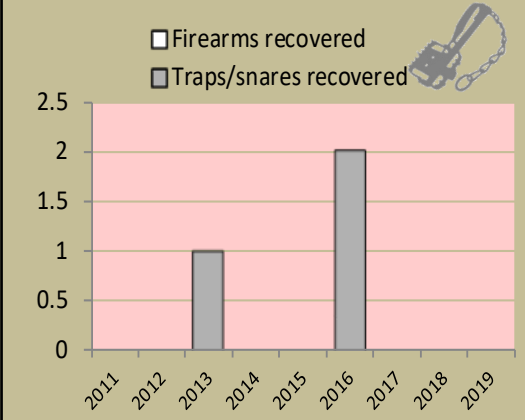(categories: Livestock…, Other damage, Crop damage, Human attack)

Poaching

Number of incidents per year

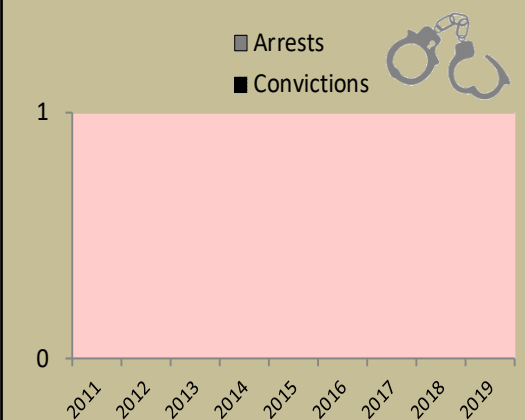Commercial poaching is a serious threat to conservancy benefits. The chart shows the number of incidents per category

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

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

or

the average live sale value of each high value species (indicated with an *). High value species are never used for meat

Fractions of animals indicate that a quota of 1 animal was awarded with conditions i.e.
a) over a period of several years
and/or
b) is shared with other conservancies

Species	Quota 2019			Animals actually used in 2019						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	5	5								600	
Cheetah	1	1								11,100	
Duiker	2	2								1,900	
B-f Impala	2	2		2					2	8,500	
Jackal	5	5								400	
Klipspringer	2	2								5,500	
Kudu*	13	4	9							9,900	116,874
Leopard	1	1								38,900	
Ostrich	6	3	3							2,000	720
Springbok	4	2	2							2,700	624
Steenbok	3	3								1,700	
Mtn Zebra	12	3	9							6,300	3,984

Effective monitoring is key to understanding the status of wildlife in the conservancy and for the effective management of these resources.

Conservancies reduce environmental costs while increasing environmental returns. Returns from wildlife can far outweigh human wildlife conflict costs.
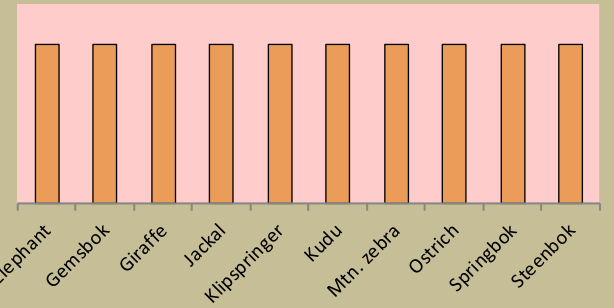
monitoring numbers and trends for a healthy conservancy…

Current wildlife numbers and status

Species	Animals Seen 2019	Estimated population range	Wildlife Status		
			Count Trend	National Guideline	Desired Status
Elephant					
Gemsbok					
Giraffe					
Jackal					
Klipspringer					
Kudu	3	17 - 60			
Mtn. zebra					
Ostrich	1	1 - 3			
Springbok					
Steenbok	3	17 - 190			

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

dark green (abundant) – reduce a lot;
light green (common) – reduce a little;
yellow (uncommon) – keep numbers the same;
light orange (rare) – double numbers;
dark orange (very rare) – more than double numbers.
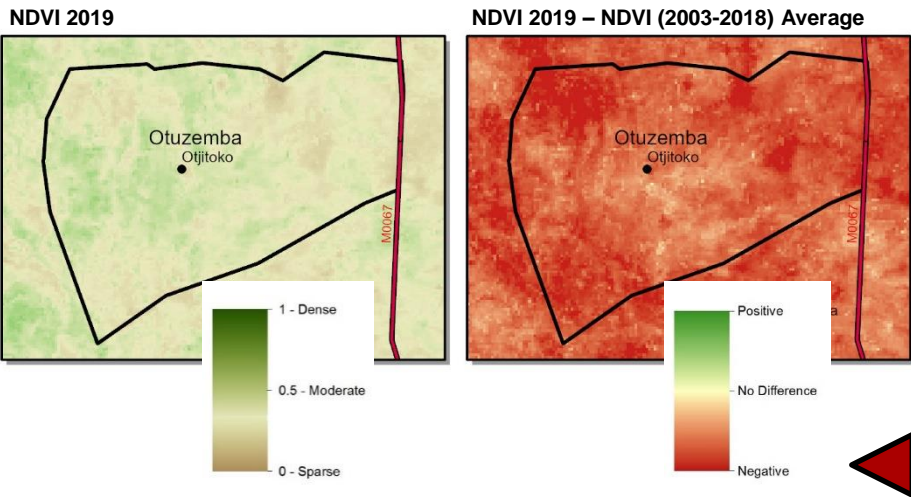
Wildlife status summary in 2019

Elephant, Gemsbok, Giraffe, Jackal, Klipspringer, Kudu, Mtn. zebra, Ostrich, Springbok, Steenbok

Key to wildlife status

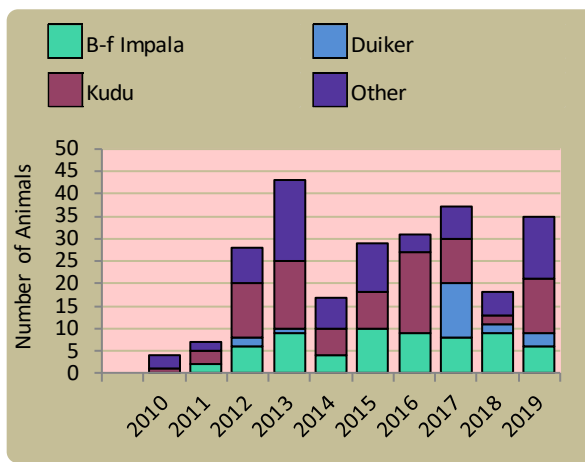| extinct	very rare	rare	uncommon	common	abundant

Vegetation monitoring

Green vegetation index (NDVI). Maps show vegetation cover during Feb-Apr of the current year and the difference between the current year and the long-term average (2003-2018)
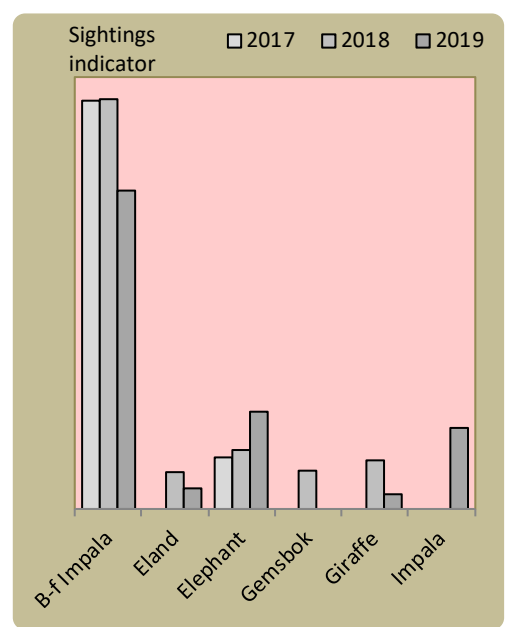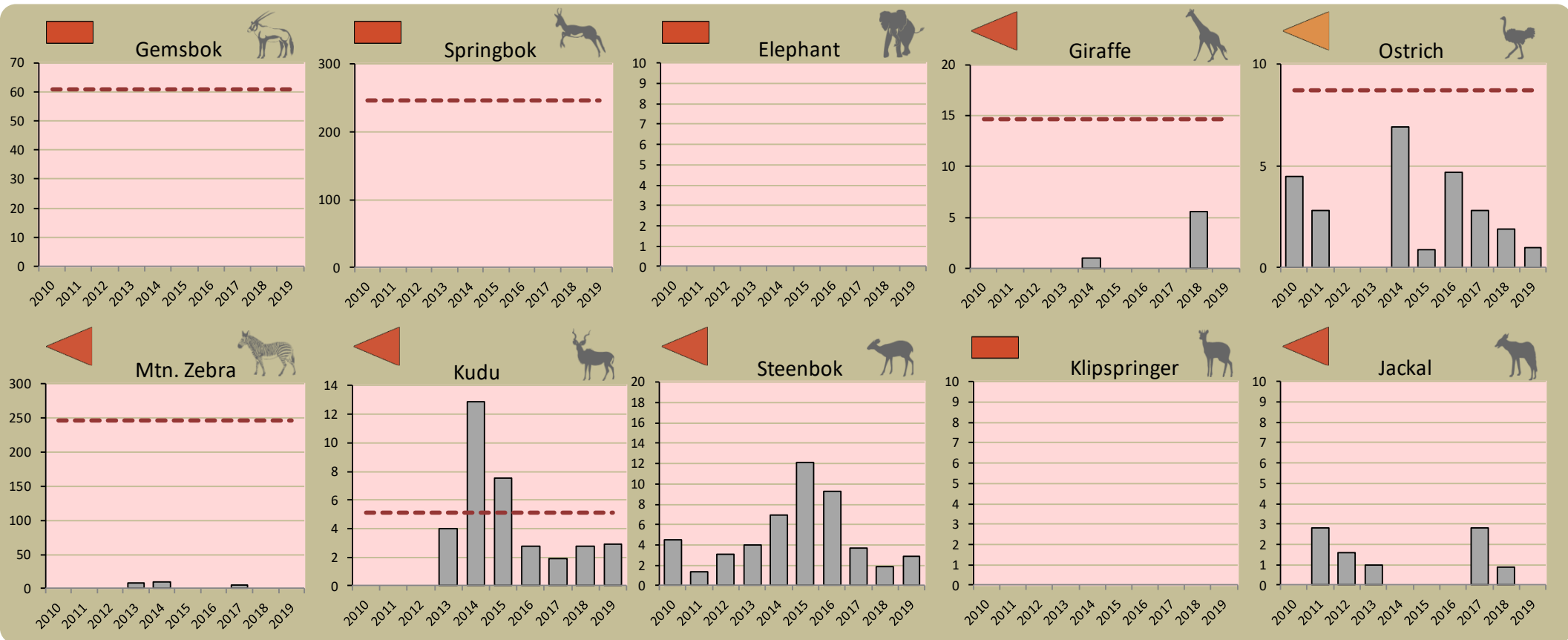
NDVI 2019

Otuzemba
Otjitoko

1 - Dense
0.5 - Moderate
0 - Sparse

NDVI 2019 – NDVI (2003-2018) Average

Otuzemba
Otjitoko

Positive
No Difference
Negative

Wildlife mortalities

Legend: B-f Impala, Duiker, Kudu, Other

Number of Animals (y-axis: 0–50), years 2010–2019

Locally rare species

Sightings indicator — 2017, 2018, 2019

B-f Impala, Eland, Elephant, Gemsbok, Giraffe, Impala

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

Flags

◀ decreasing

☐ No change
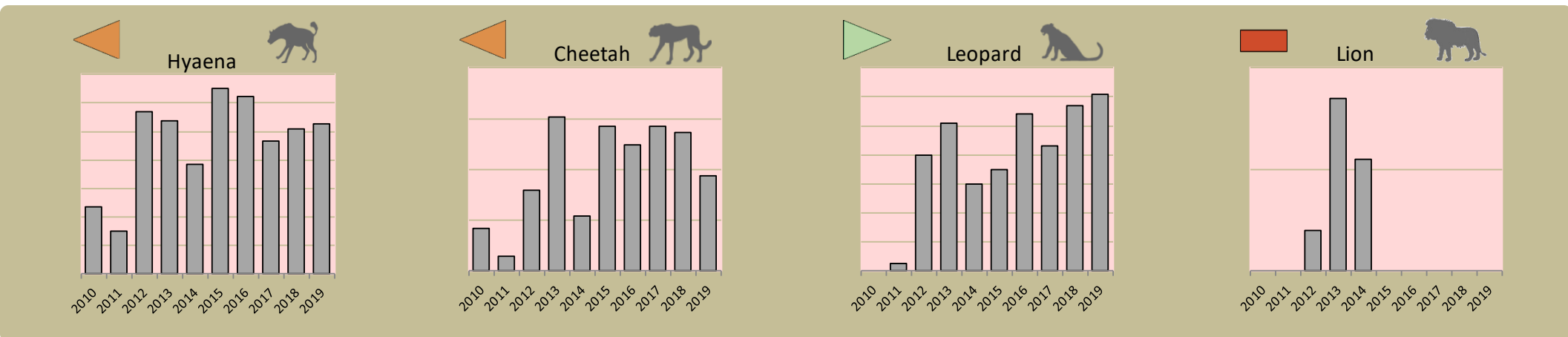☐ No change, rarely recorded
▶ Increasing

Annual game count

Charts show the number of animals seen each year per 100 km driven during the game count. As a point of reference the dashed horizontal line represents the combined 10 year average in Palmwag and Etendeka concessions. Status flags reflect the general count trend over the last 5 years.

Gemsbok | Springbok | Elephant | ◀ Giraffe | ◀ Ostrich

◀ Mtn. Zebra | ◀ Kudu | ◀ Steenbok | Klipspringer | ◀ Jackal

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

◀ Hyaena | ◀ Cheetah | ▶ Leopard | Lion

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.

Otuzemba
Institutional Report

Enabling wise conservancy governance…

Conservancy Statistics

Date Registered:	February 2012
Population (2011 census):	480
Size (square kilometres):	742
Registered members:	300

Key Compliance Requirements

Was an AGM held?	✓
Were elections held?	N/A
Were benefits distributed according to the BDP?	✓
Is game managed according to the GMUP?	✓
Was the financial report presented and approved?	✓

Conservancy Governance

	Male	Female	Total
Number of management committee members	7	3	**10**
Attendance at AGM	39	30	**69**

Date of the last AGM:	**25/07/2019**
Date of the next AGM:	**06/2020**

Other important issues

Budget approved?	✓
Work plan approved?	✓
Annual conservancy report approved?	

Benefit Distribution

Type	Description	Beneficiary	Number
Social Benefits	School		
Meat Distribution	Meat To Members	People	200
Other Benefits	Ta Benefits		

Employment

	Male	Female	Total
Conservancy staff (Incl. CGG & CRM)	5		**5**
Number of Community Game Guards	5		**5**
Number of Community Resource Monitors			

Governance Performance Rating How well did the conservancy perform in the past year?

Performance Category	This Year	Prev. Year	Explanation of performance category
1 Member engagement	moderate		The conservancy is adequately engaging its members
2a Benefit planning	exceptional		The conservancy developed its BDP in a transparent and participatory manner
2b Benefit distribution	moderate		The conservancy distributes benefits to its members in a fair, transparent and equitable manner
3 Accountability	moderate		Conservancy members are holding the management committee accountable
4 Compliance	exceptional		The conservancy is compliant with the standard operating proceedures (SOPs)
5 Stakeholder engagement	exceptional		The conservancy maintains relationships with key external stakeholders
6 Financial management	strong		The conservancy is effectively managing its finances

Colour codes: | none | weak | moderate | strong | exceptional | | N/A |