2020

Muduva Nyangana
Natural Resource Report

A1

maximising wildlife returns by minimising threats...

Performance Indicators

Management performance in 2020

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

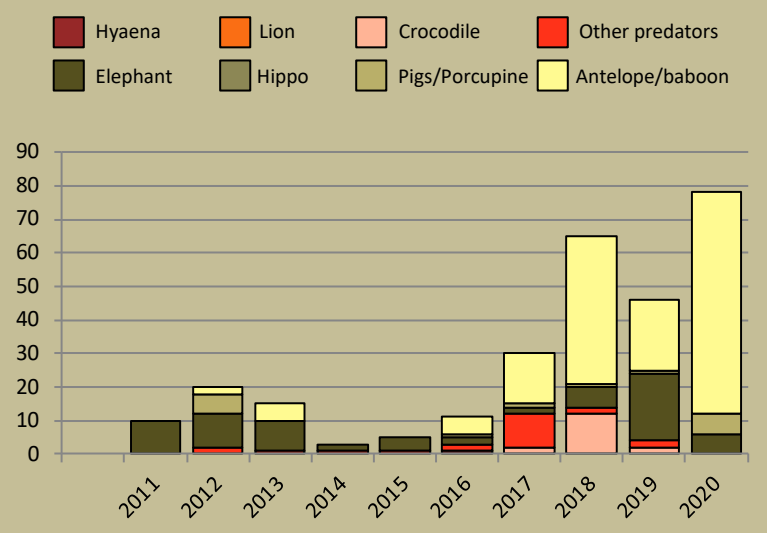
Performance is assessed on a scoring system from zero (none) to a maximum of between 3 and 6 (strong/excellent) depending on the indicator.

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

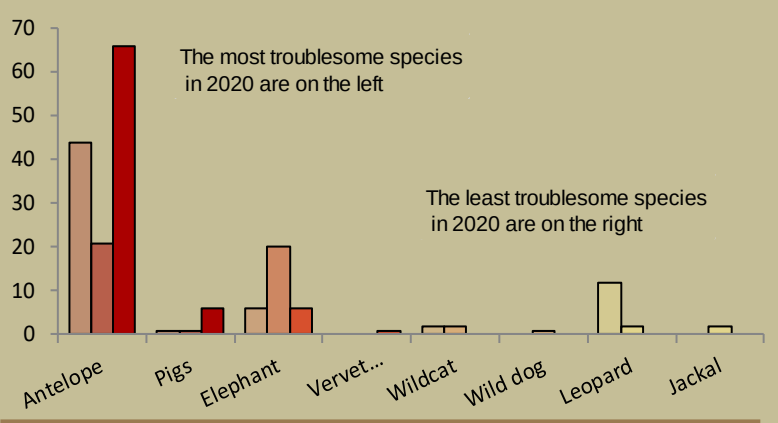
Human wildlife conflict trend

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



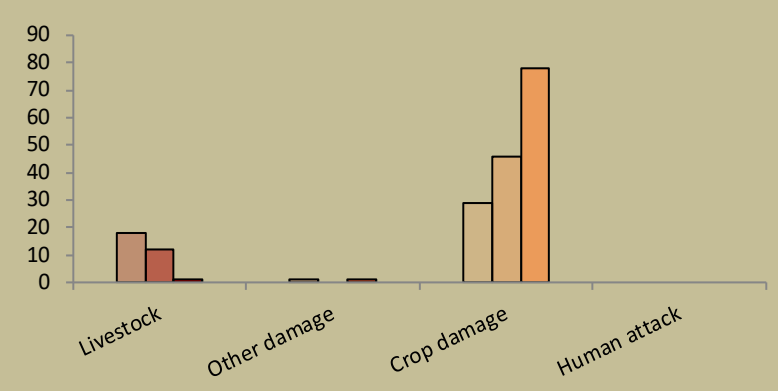
Most troublesome problem animals 2018-2020

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 2018-2020

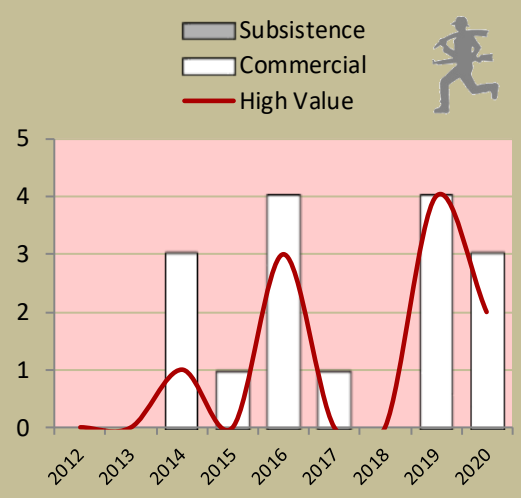
the chart shows the number of incidents per category for the last 3 years; the darkest bar (on the right) indicates the current year for each type



Poaching

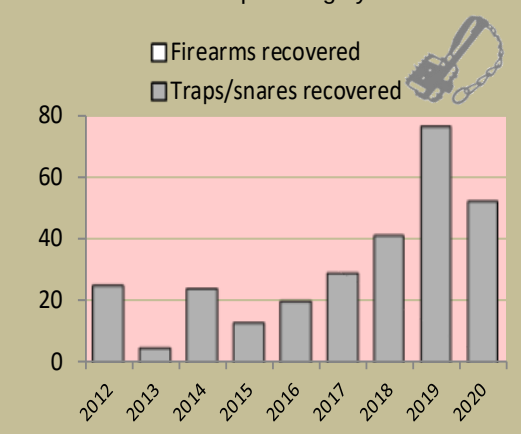
Number of incidents per year

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



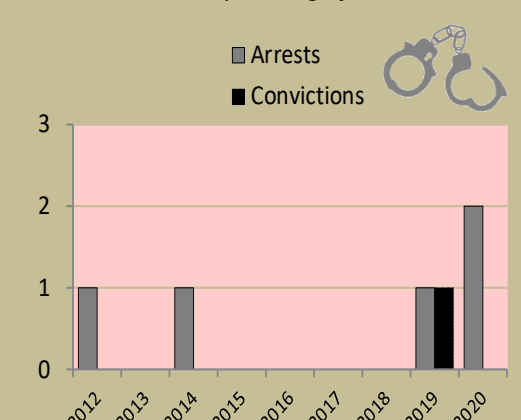
Traps and firearms recovered

number of incidents per category



Arrests and convictions

number of incidents per category



Wildlife removals – quota use and value

Potential value estimates (N$) for a single animal:

- **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 2020			Animals actually used in 2020						Potential	
	Total	Trophy	Other Use	Trophy	Own Use & Premium	Shoot & Sell	Capture & Sale	Problem Animal	Total Use	Trophy Value N$	Other use Value N$
Duiker	2	1	1							2,300	189
Eland*	1.5	1.5		1					1		6,964
Elephant*	2.5	2	0.5	1					2	258,600	90,000
Gemsbok	5	2	3		2				2	3,700	2,916
Giraffe	2.5	1	1.5						1	6,800	15,120
Impala	2	1	1		1				1	1,500	918
Kudu	5	1	4		1				1	9,500	3,483
Leopard	0.166	0.166								40,600	
Roan*	1	1		1					1	75,300	62,250
Steenbok	0.5	0.5								3,500	
Warthog	2	1	1							2,300	540

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.

2020

Muduva...

Natural Resource Report continued...

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

A2

monitoring numbers and trends for a healthy conservancy...

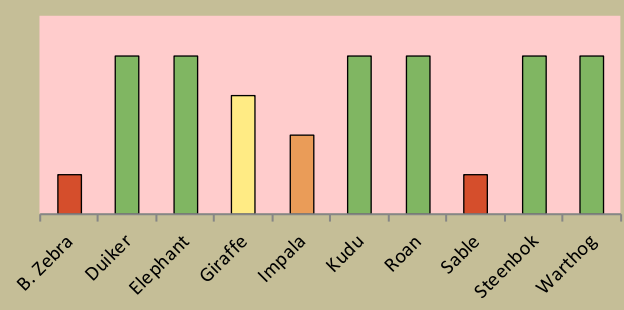
Current wildlife numbers and status

Species	Animals Seen	Estimate	Wildlife Status		
			Count Trend	Landscape Status	Desired Number
B. Zebra					
Duiker	13	174			
Elephant	8				
Giraffe	39	119			
Impala					
Kudu	19	94			
Roan	49	245			
Sable					
Steenbok	4	46			
Warthog	2				

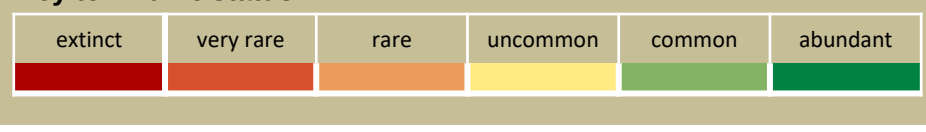
Desired Number – gives the species status in the conservancy based on what the conservancy would like to have.

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 2020



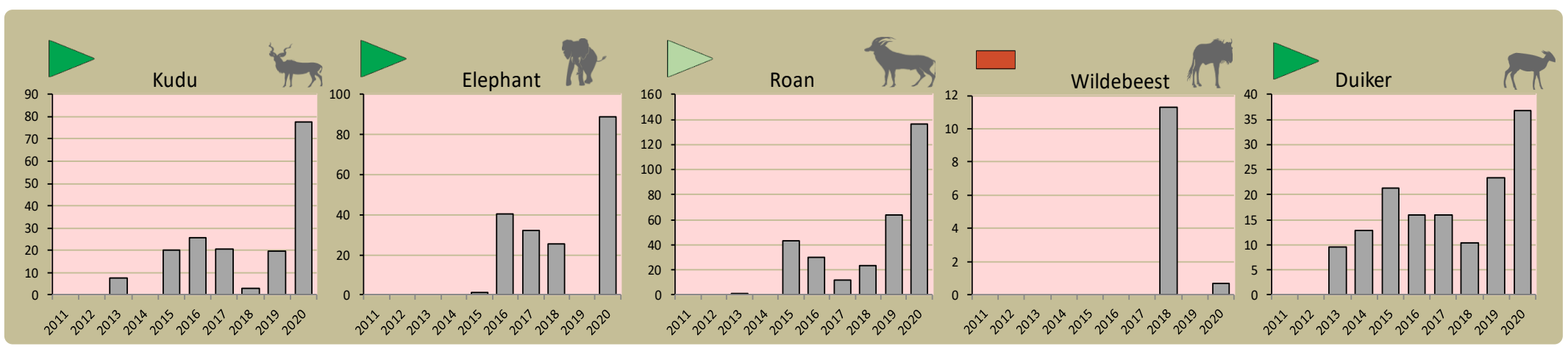
Key to wildlife status



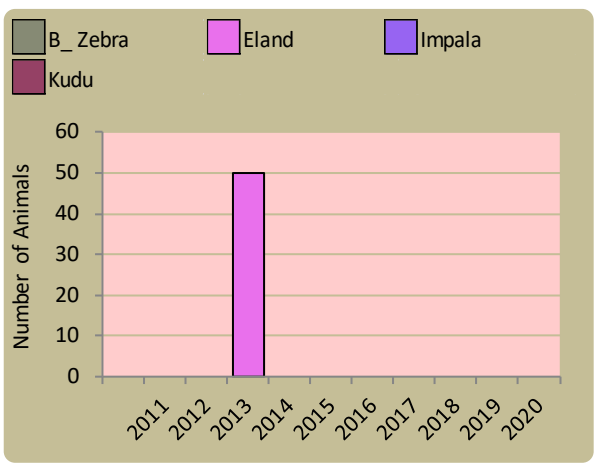
Annual Game Count

Charts show the number of animals seen each year per 100 km of transect
Status flags reflect the general sightings trend over the last 5 years

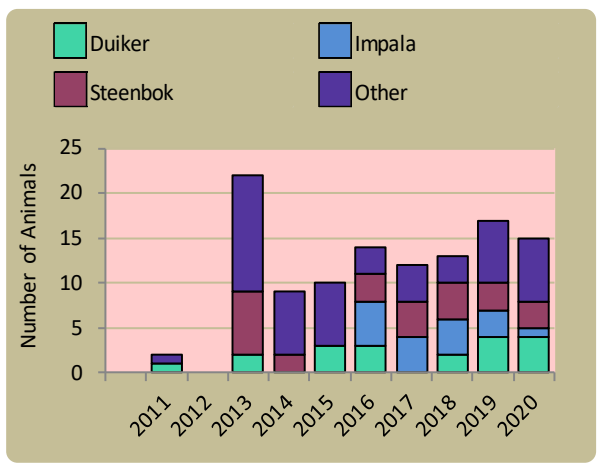
Flags decreasing | No change | No change, rarely recorded | Increasing



Wildlife introductions

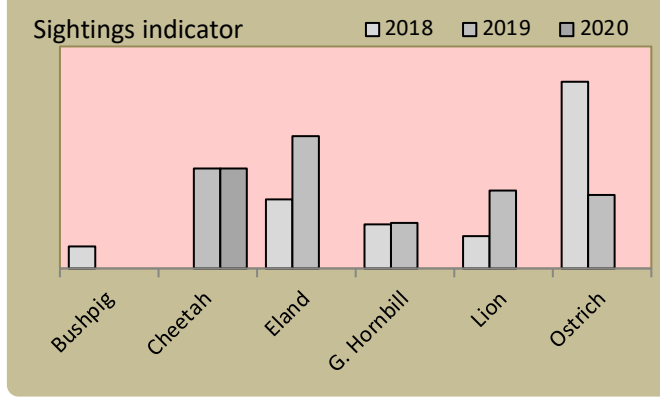


Wildlife mortalities

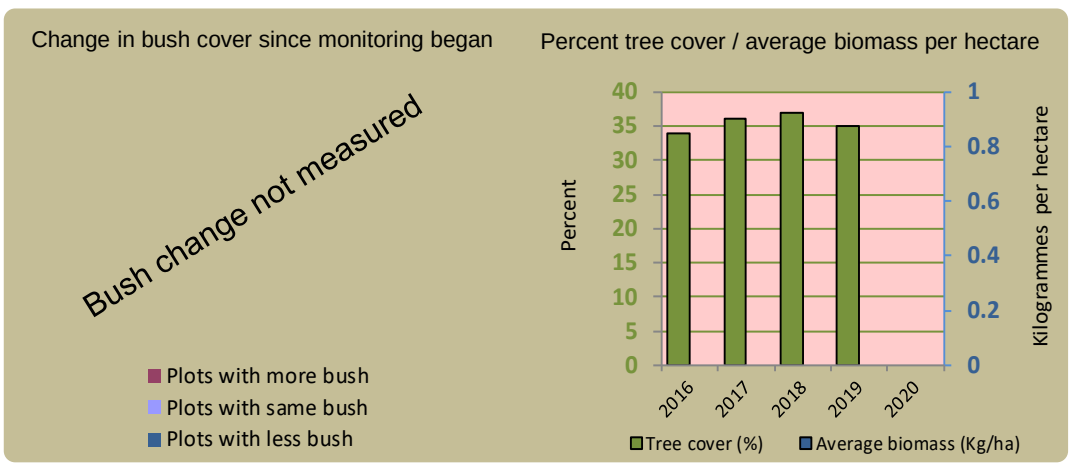


Locally rare species

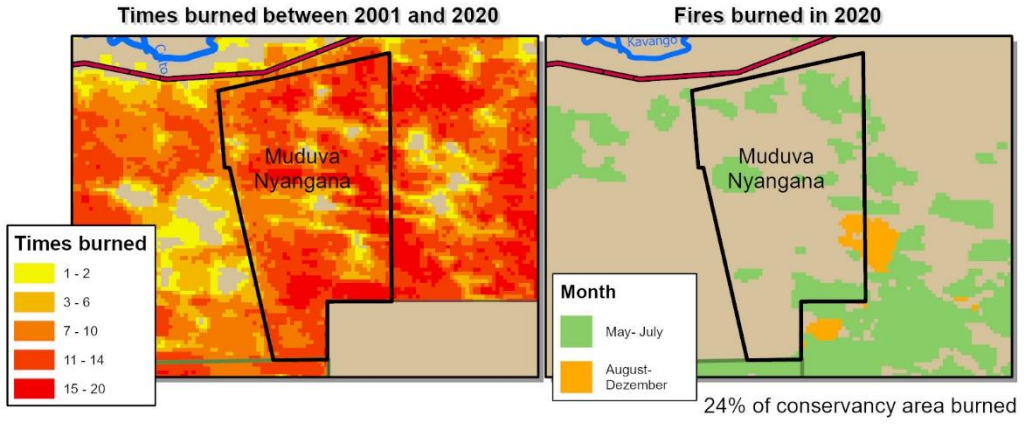
Locally rare and endangered species are not found very often in the conservancy and need special conservation attention.



Vegetation monitoring

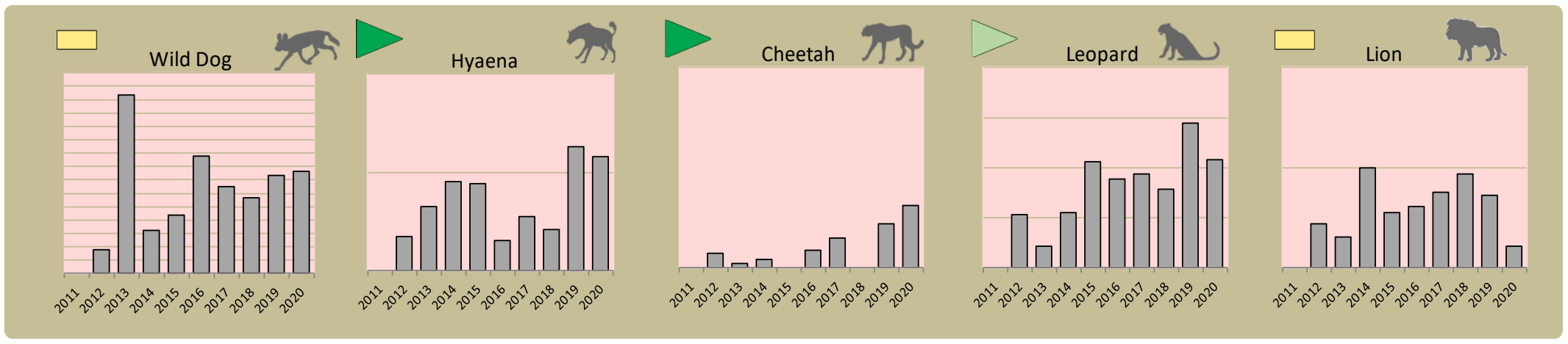


Fire monitoring



Predator monitoring

charts show the average number of animals seen per Event Book each year
Status flags 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.

2020

Muduva Nyangana Institutional Report

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

C

Enabling wise conservancy governance…

Conservancy Statistics

Date Registered:	September 2005
Population (2011 census):	1730
Size (square kilometres):	615
Registered members:	1485

Key Compliance Requirements

Was an AGM held?	✓
Were elections held?	✓
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	9		**9**
Attendance at AGM	116	105	**216**
Date of the last AGM:	**12/12/2020**		
Date of the next AGM:			

Other important issues

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

Benefit Distribution

Type	Description	Beneficiary	Number
Social Benefits	Funeral Assistance	Households	6
	Scholarships	Students	2
Meat Distribution	Meat To Members	Villages	1
Other Benefits	Hwc Offsets	People	4

Employment

	Male	Female	Total
Conservancy staff (Incl. CGG & CRM)	8	4	**12**
Number of Community Game Guards	7	2	**9**
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			The conservancy is adequately engaging its members
2a Benefit planning			The conservancy developed its BDP in a transparent and participatory manner
2b Benefit distribution			The conservancy distributes benefits to its members in a fair, transparent and equitable manner
3 Accountability			Conservancy members are holding the management committee accountable
4 Compliance			The conservancy is compliant with the standard operating proceedures (SOPs)
5 Stakeholder engagement			The conservancy maintains relationships with key external stakeholders
6 Financial management			The conservancy is effectively managing its finances

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