maximising wildlife returns by minimising threats...

Summa

Conservancy status summary

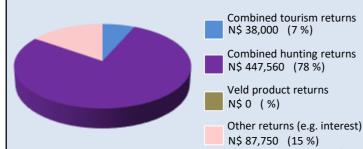
Returns from natural resources in 2017

Conservancy

the chart shows the main sources of returns and values and their percentage of the total returns

Approximate Total Returns N\$ 573,310

20



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

Total conflict cost estimate

Conservancy	N\$ 472,510		
E de la constante	Private Sector	3 staff	N\$ 100,800
Employment	Employment Conservancy		N\$ 318,920

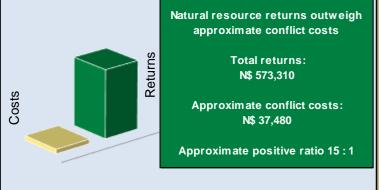
Cost of natural resource conflicts in 2017

е	stimates are based on average national values	
	Estimated human wildlife conflict cost	N\$ 26,980
	Estimated poached high value species loss	N\$ 10,500

N\$ 37,480

Natural resource cost-return ratio in 2017

the chart shows the approximate ratio of returns to costs



Management performance in 2017

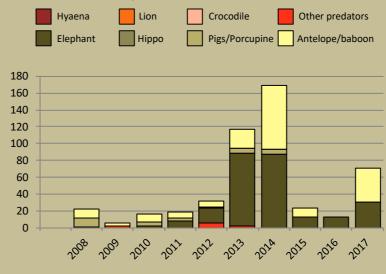
Category	Performance
1 Adequate staffing	
2 Adequate expenditure	
3 Audit attendance	
4 NR management plan	
5 Zonation	
6 Leadership	
7 Display of material	
8 Event Book modules	
9 Event Book quality	
10 Compliance	
11 Game census	
12 Reporting & adaptive m/ment	
13 Law enforcement	
14 Human Wildlife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

Human wildlife conflict

Human wildlife conflict trend

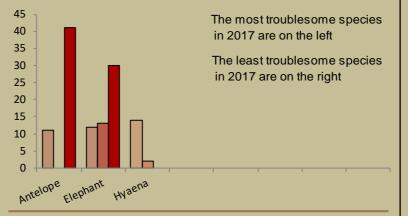
the chart shows the total number of incidents each year, subdivided by species, grouped as herbivores and predators

<u>George Mukoya</u>



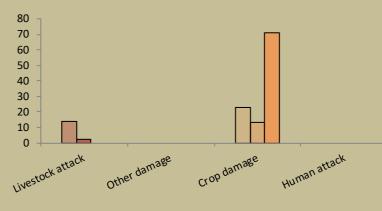
Most troublesome problem animals 2015-2017

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



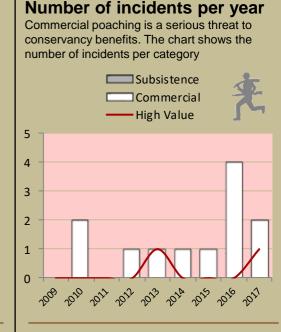
Type of damage by problem animals 2015-2017

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

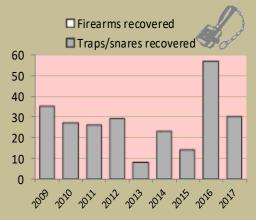


Poaching

Resource

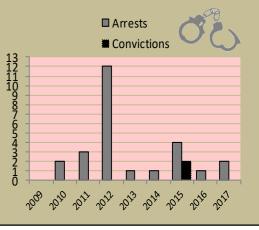


Traps and firearms recovered number of incidents per category



Arrests and convictions

number of incidents per category



Wildlife removals – quota use and value

		Quota 201	.7		Anim	als actually	y used in 2	017		Potential	Potential
Species	Total	Trophy	Other Use	Trophy	Own Use & Premium	Shoot & Sell	Capture & Sale	Problem Animal	Total Use	Trophy Value N\$	Other use Value N\$
Caracal	1	1								2,400	
Duiker	2	1	1		1				1	1,800	168
Eland*	1	1								10,900	
Elephant*	3	1	2	1					2	142,300	180,000
Gemsbok	5	2	3		3				3	2,600	2,592
Giraffe	1		1								13,440
Hyaena	1	1								3,000	
Impala	2	1	1		2				2	2,600	816
Kudu*	5	1	4		3				4	6,200	31,000
Leopard	0.167	0.167								11,700	
Roan*	1	1								64,900	
Warthog	2	1	1		1				1	1,600	480

Wildlife status summary in 2017

B. Tept's Duiker Hertrant Citate Inpate 4404 Roan Sabe entralt wattroe	

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





monitoring numbers and trends for a healthy conservancy...

Current wildlife numbers and status

	Animals		Wildlife Status			
Species	Seen	Estimate*	Count Trend	Landscape Status	Desired Number	
B. Zebra						
Duiker	38					
Elephant	4					
Giraffe	94					
Impala						
Kudu	47	272				
Roan	32	247				
Sable						
Steenbok	7					
Warthog	8					

Wildlife Status

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

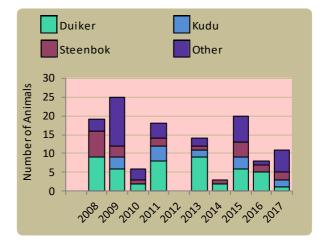
Landscape status- gives the species status in the focal landscape; for example, lions may cause local problems, but are of high value and may be rare at landscape level.

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

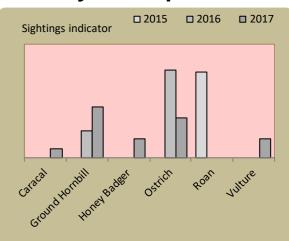
dark green (abundant) - there should be less; light green (common) - the desired number is reached; yellow (uncommon) - there should be more; light orange (rare) – there should be more than double; dark orange (very rare) - there should be more than triple; red (extinct) - the species needs to be reintroduced.

* Estimates are for the focal conservancy and neighbouring conservancies combined

Wildlife mortalities



Locally rare species



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

Annual rainfall

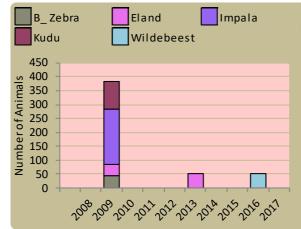
200

100

0



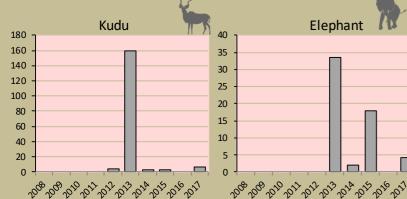
Wildlife introductions



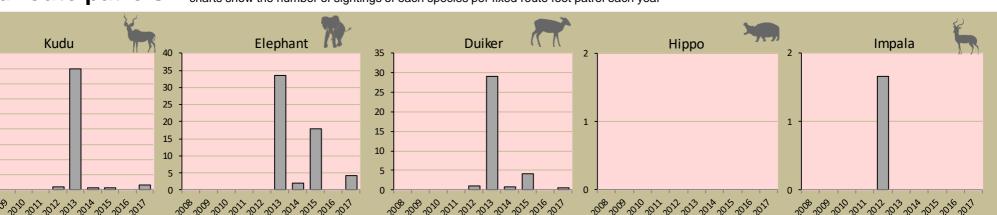
in millimetres Years with no rain show gaps in data collection 700 600 500 400 300

2010 2012 2012 2012 2014 2015 2016 2011

Fixed route patrols

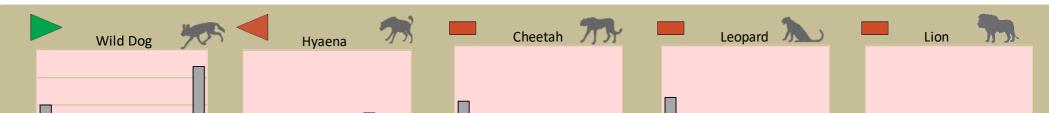


charts show the number of sightings of each species per fixed route foot patrol each year

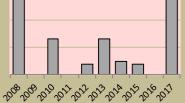


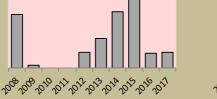
Predator monitoring

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

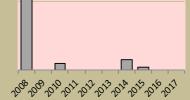


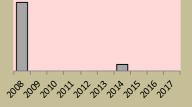
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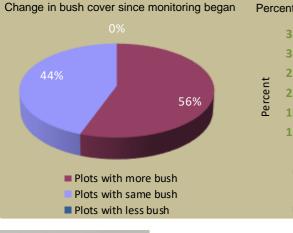






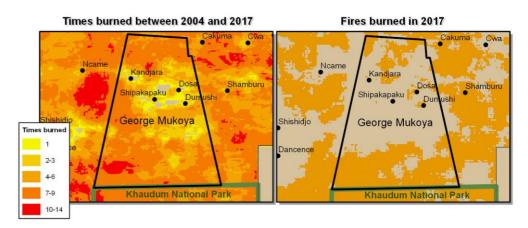
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Vegetation monitoring



Percent tree cover / average biomass per hectare 35 Kilogrammes per he ctare 30 0.8 25 0.6 20 15 0.4 10 0.2 5 0 0 2015 2016 2013 2017 2014 □ Tree cover (%) □ Average biomass (Kg/ha)

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.



George Mukoya 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

Audit Repor

<u>||</u>

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Date Registered:	September 2005
Population (2011 census):	910
Size (square kilometres):	486

Conservancy Governance

Number of management committee	
members:	Men: 7; Women: 3
Date of last AGM:	Sat, November 18, 2017
Attendance at AGM:	Men: 79; Women: 85
Date of next AGM:	Sat, November 17, 2018
Other important issues	
Financial report approved?	✓
Budget approved?	<
Work plan approved?	<
Chairperson's report approved?	✓

Employment

Conservancy staff: Male	8
Female	6
Community game guards:	7
Community resource monitors:	2
Lodge staff: Male	0
Female	0

Key Compliance Requirements

Was an AGM held?	v
Were elections held?	*
Is there a Benefit Distribution Plan?	«
Is there a Game Management and Utilisation Plan?	v
Was an Annual Financial Report produced?	v



Benefits

Cash	In Kind
Community Projects	Chicken Retail
	Electrification Contribution
	Fund Goat Project
	Fund Vegetable Gardens
	Fund Water Installation
	Meat Distribution (elephant)
	Meat Distribution (oryx And Kudu)

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

Effectiveness of implementation	Poor	Fair	Good	Prev. Year	Explanation of effectiveness rating
Game Management and Utilisation					Limitation of water in certain areas
Zonation Plan					Still trying to address awareness to communities
Benefit Distribution					Implementation of projects and activities within the conservancy
Human Wildlife Conflict Management					Claims were delayed; slow in administering the claims
Sustainable Business and Financial Planning					Training has been invaluable; systems in place to monitor financial management and detect mismanagement
Tourism					Income not paid due to delayed payments; lack of employment
Staff Management					Most resource monitors have been trained
Assets Management/Register					Lack of system or control mechanism in place
HIV/AIDS					No activities have been implemented
Communication					Limited network in the area