Mashi

2017 Annual Conservancy Audit Report

Status Summary & Natural Resource Report

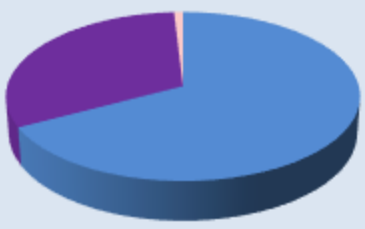
maximising wildlife returns by minimising threats...

Conservancy status summary

Returns from natural resources in 2017

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

Approximate Total Returns N$ 4,493,510



- Combined tourism returns N$ 3,020,620 (67 %)
- Combined hunting returns N$ 1,431,730 (32 %)
- Veld product returns N$ 0 (%)
- Other returns (e.g. interest) N$ 41,160 (1 %)

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$ 2,765,790**
Employment	**Private Sector**	**52 staff**	**N$ 1,109,260**
	Conservancy	**24 staff**	**N$ 1,189,530**

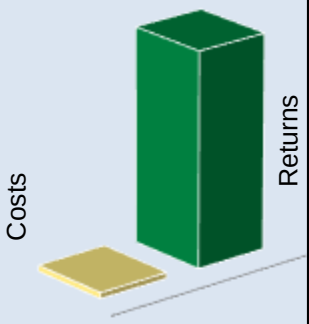
Cost of natural resource conflicts in 2017

estimates are based on average national values

Estimated human wildlife conflict cost	N$ 115,560
Estimated poached high value species loss	N$ 6,000
Total conflict cost estimate	**N$ 121,560**

Natural resource cost–return ratio in 2017

the chart shows the approximate ratio of returns to costs



Natural resource returns outweigh approximate conflict costs

Total returns: N$ 4,493,510

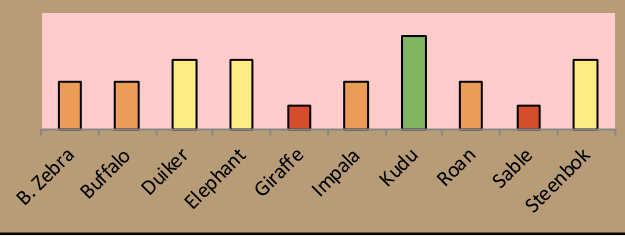
Approximate conflict costs: N$ 121,560

Approximate positive ratio 37 : 1

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	

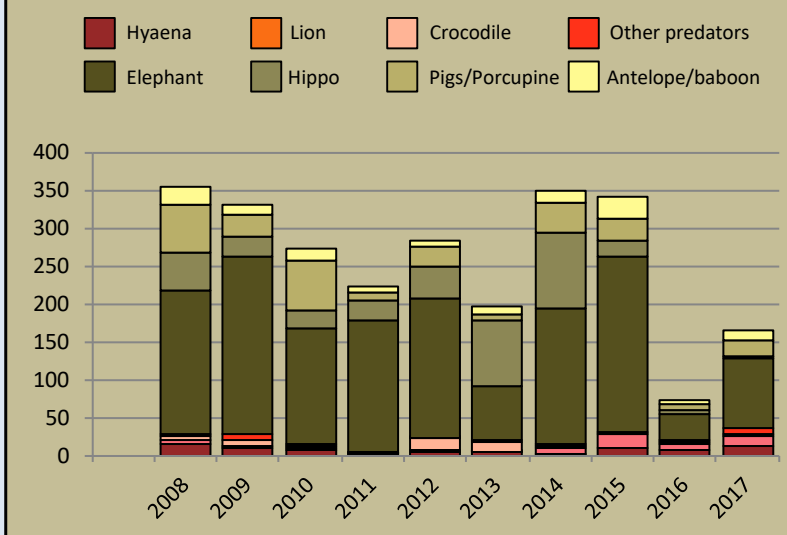
Wildlife status summary in 2017



Human wildlife conflict

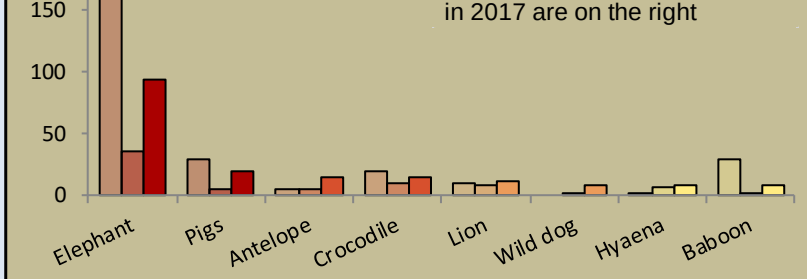
Human wildlife conflict trend

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



Most troublesome problem animals 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

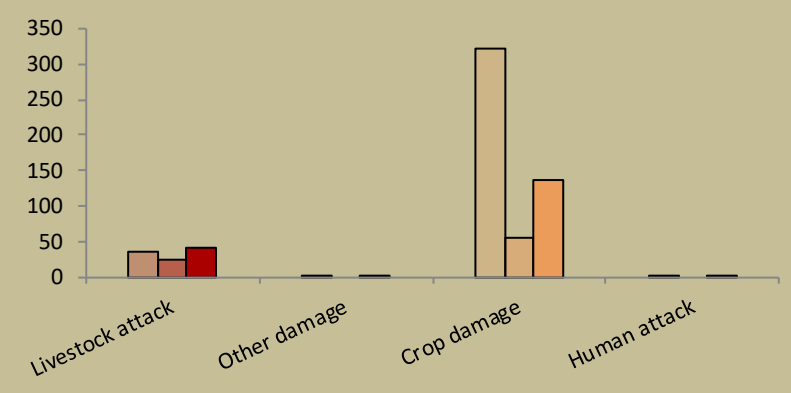


The most troublesome species in 2017 are on the left

The least troublesome species in 2017 are on the right

Type of damage by problem animals 2015-2017

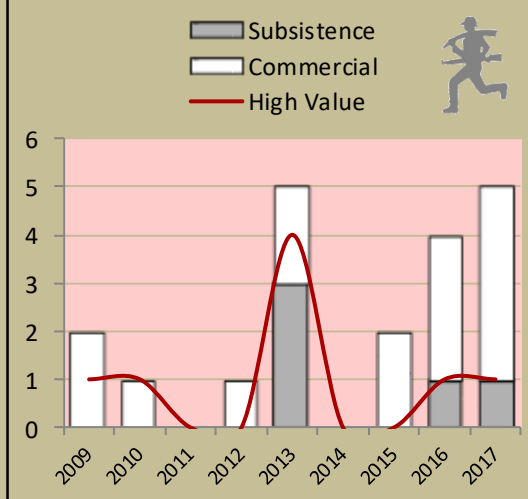
the chart shows the number of incidents per category for the last 3 years; the darkest bar (on the right) indicates the current year for each type



Poaching

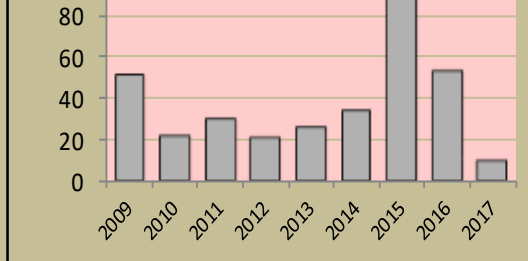
Number of incidents per year

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



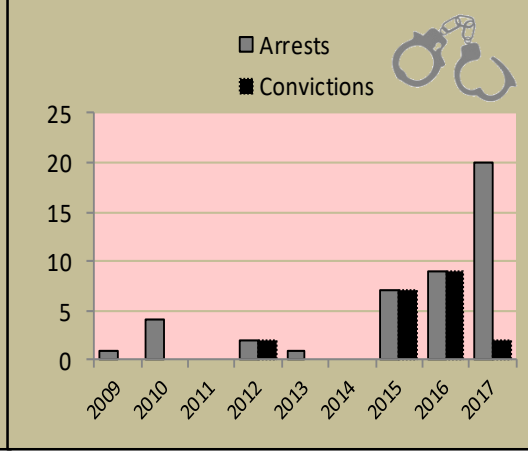
Traps and firearms recovered

number of incidents per category



Arrests and convictions

number of incidents per category



Wildlife removals – quota use and value

Species	Quota 2017			Animals actually used in 2017					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	
Buffalo	8	5	3	5	2				8	74,000	6,600
Bushpig	1	1								3,400	
Crocodile	2	1	1							26,200	
Duiker	4	4								1,900	
Eland*	2	2								10,900	
Elephant*	9	4	5	4	5				9	210,000	450,000
Hippo	6	4	2	4	1				6	36,000	6,600
Hyaena	0.33	0.33								6,200	
Impala	11	7	4	3	3				7	2,600	816
Kudu*	6	4	2							5,800	15,500
Lechwe	4	4		4					4	18,700	
Leopard	0.33	0								35,600	
Reedbuck	2	2		2					2	7,500	
Roan*	1	1		1					1	64,900	
Sable*	1	1		1					1	64,400	
Blue Wildebeest*	5	3	2	1	1				3	3,800	7,150

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.

2017

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Natural Resource Report continued...

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

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					
Buffalo					
Duiker	9	694			
Elephant					
Giraffe					
Impala	14				
Kudu	10	272			
Roan	2				
Sable	1				
Steenbok	1				

Wildlife Status

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

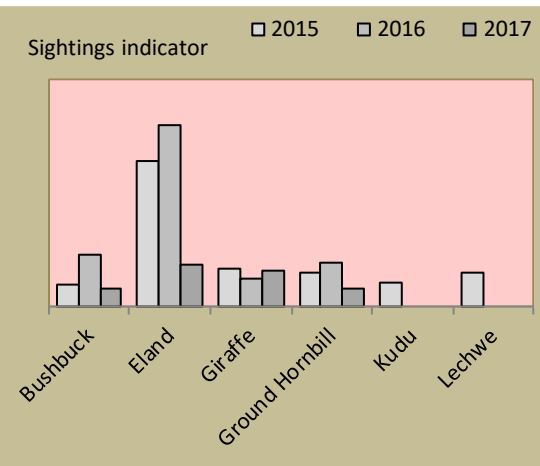
Landscape status– gives the species status in the focal landscape; for example, lions may cause local problems, but are of high value and may be rare at landscape level.

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

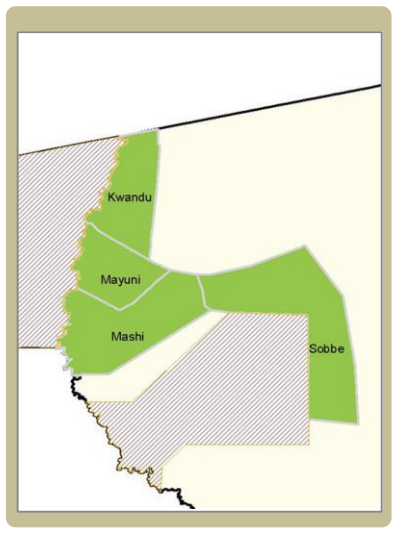
dark green (abundant) – there should be less;
light green (common) – the desired number is reached;
yellow (uncommon) – there should be more;
light orange (rare) – there should be more than double;
dark orange (very rare) – there should be more than triple;
red (extinct) – the species needs to be reintroduced.

** Estimates are for the focal conservancy and neighbouring conservancies combined*

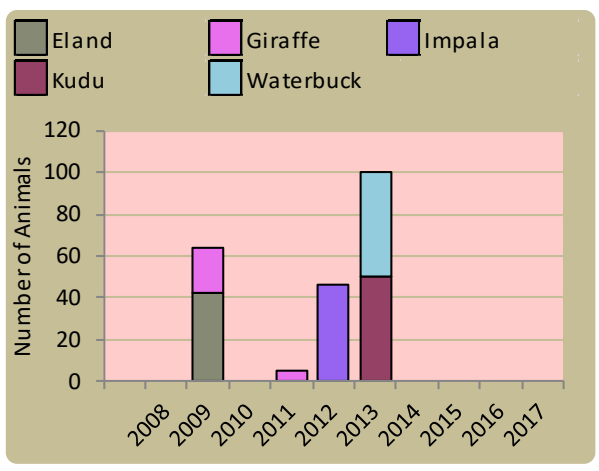
Locally rare species



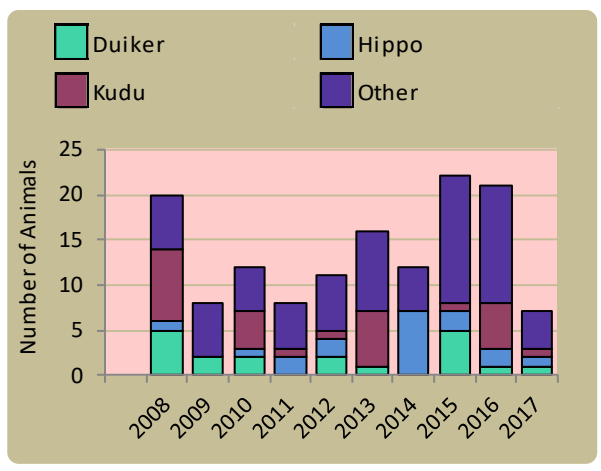
Locally rare and endangered species are not found very often in the conservancy and need special conservation attention.



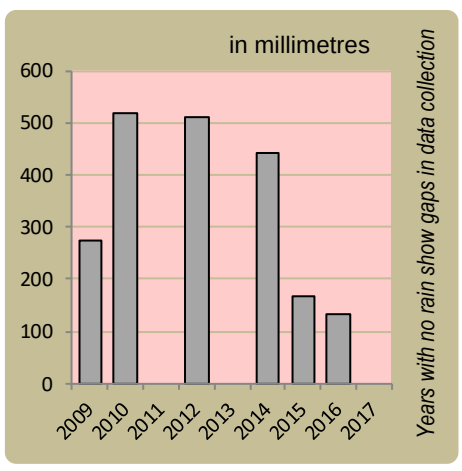
Wildlife introductions



Wildlife mortalities

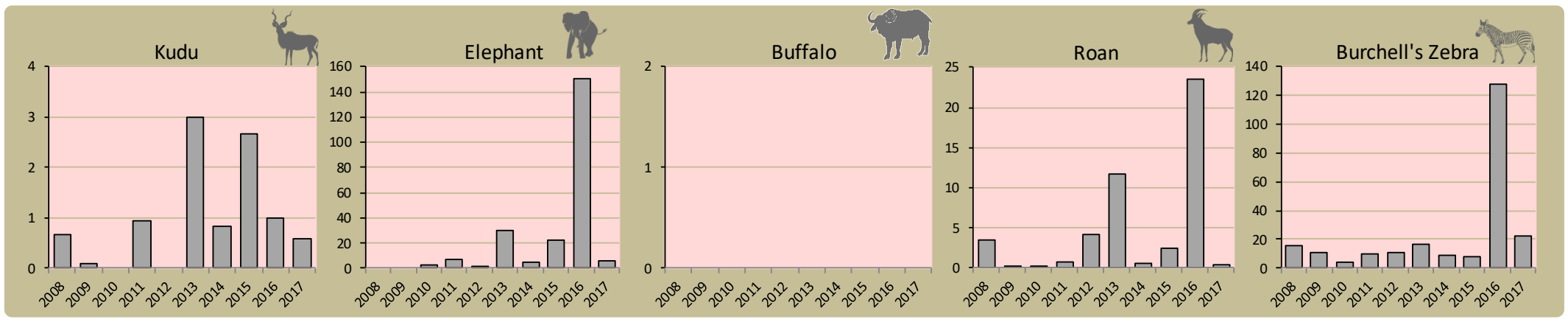


Annual rainfall



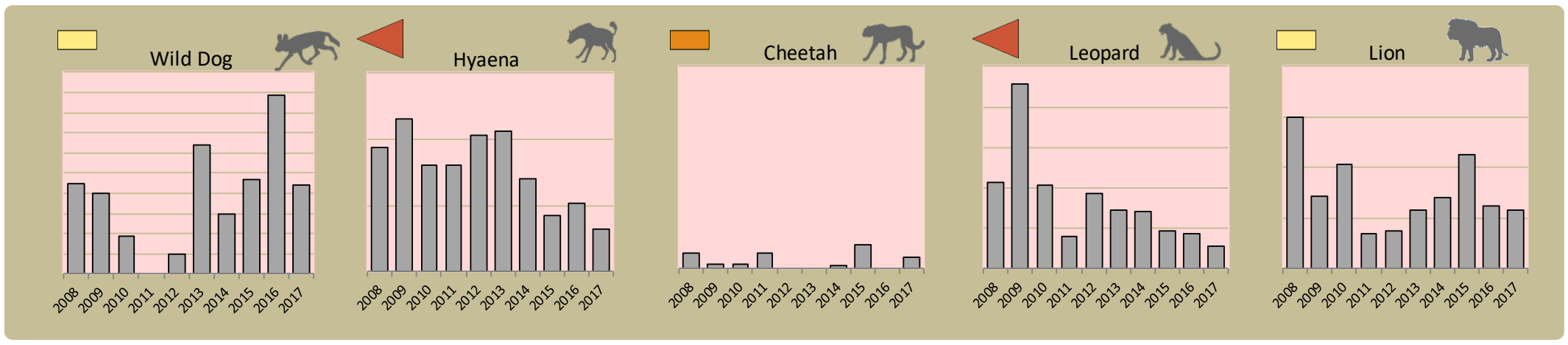
Fixed route patrols

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



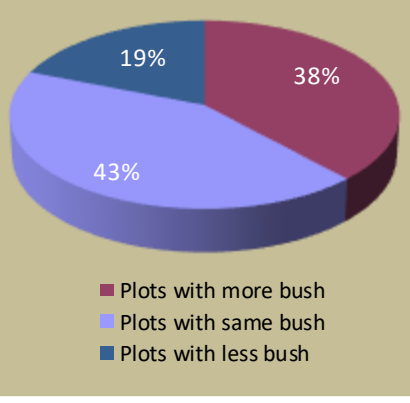
Predator monitoring

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

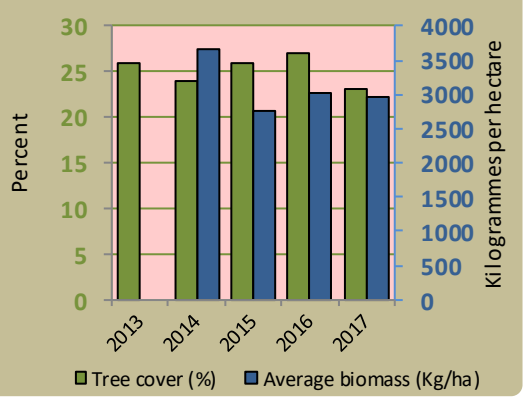


Vegetation monitoring

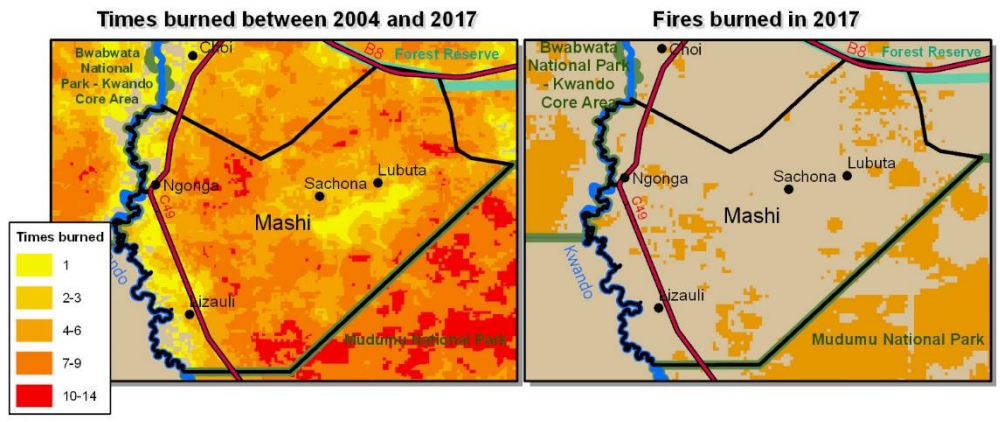
Change in bush cover since monitoring began



Percent tree cover / average biomass per hectare



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.

2017 Annual Conservancy Audit Report

Mashi 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:	March 2003
Population (2011 census):	2210
Size (square kilometres):	297

Key Compliance Requirements

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

Conservancy Governance

Number of management committee members:	Men: 5; Women: 10
Date of last AGM:	
Attendance at AGM:	Men: ; Women:
Date of next AGM:	Wed, December 12, 2018

Other important issues

Financial report approved?	✗
Budget approved?	✗
Work plan approved?	✗
Chairperson's report approved?	✗

Employment

Conservancy staff: Male	16
Female	8
Community game guards:	15
Community resource monitors:	0
Lodge staff: Male	25
Female	27

Benefits

Cash	In Kind
Cash Benefits	Cash Benefit
Traditional Authority	Meat Distribution
Funeral Assistance	
Community Projects	
Other Benefits	
Haccis	
Hwc Offset	

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					Implementation was effective
Zonation Plan					More intensive awareness is needed for members
Benefit Distribution					All activities were implemented according to the plan though challenges remain to provide more benefits
Human Wildlife Conflict Management					The farmers need more money as the current payments for losses are too little
Sustainable Business and Financial Planning					
Tourism					Most planned activities have taken place to the satisfaction of the conservancy management
Staff Management					Some reports not yet completed
Assets Management/Register					No proper supervision on asset management. The asset register needs to be updated on an annual basis.
HIV/AIDS					The conservancy needs more booklets and other training tools
Communication					Not all members attend village meetings and the AGM has not taken place