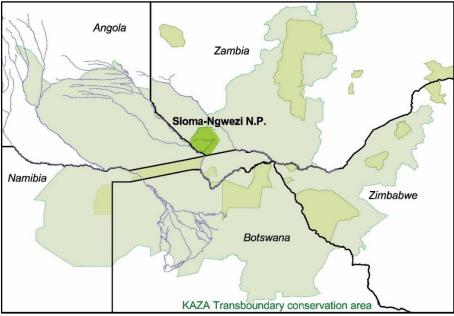
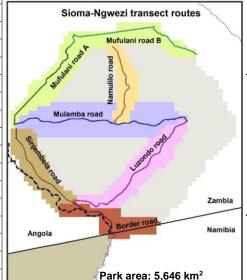
## GAME COUNTS IN SIOMA-NGWEZI N.P.

### October 2023

#### Numbers of animals and groups seen:

Mullipers C	יו מווו	IIIIai	s and	a gi	oup	3 3	<b>5</b> 011.	•							, I
	2023		2022		2021		2020		2019		2018		20	17	1
Species	Animals	Groups	Animals	Groups	Animals	Groups	Animals	Groups	Animals	Groups	Animals	Groups	Animals	Groups	and I may
Baboon					73	2									l
Buffalo	60	2	120	1	130	4					150	1	2	1	
Bushpig					5	3			4	2					
Crocodile							4	4					1	1	
Duiker	97	71	54	47	56	43	71	66	41	37	34	29	27	23	
Eland	6	5	11	4	52	5	23	3			6	1	78	5	
Elephant	2	1	4	2	12	8			1	1					
Giraffe	14	5	4	4	29	13	18	5	3	1	5	1	38	5	
Нірро			9	1			1	1							
Hyaena					12	9					2	1			Ĺ
Impala	14	5	20	3	30	3	14	3	3	1	57	6	12	5	
Kudu	54	9	47	11	71	20	71	18	43	8	29	7	18	6	
Lechwe					16	1									
Leopard			4	3											
Lion					2	1									
Oribi													1	1	
Reedbuck	5	2	51	9	23	9	4	3	7	5	17	9	8	3	
Roan	7	2	40	6	18	7	7	4	37	7	77	5	2	1	I,
Sable	6	4	8	3	95	13	55	6	50	5	51	7	20	4	
Steenbok	6	5	10	8	3	3	9	9	1	1			3	3	
Tsessebe			1	1			1	1	4	1			2	1	
Vervet Monkey	20	4	37	4	1	1	3	1	4	1					
Warthog	1	1					4	1			4	2	4	1	
Wild dog			12	1	8	1									
Wildebeest	7	1	29	4	25	2	41	2	88	5	15	1			
Zebra	7	2	15	2	10	3	8	2	7	1	5	1	9	1	





#### **Transect statistics:**

Route	Distance (km)	Duration (hours)
Border road		
Luzondo road	68	5.2
Mufulani road A	58	5.3
Mufulani road B	52	6
Mulamba road	81	5.7
Sinjembela road	40	3.3
Namulilo road	40	2.8

Not counted:

2021-Luzondo road, 2022-Sinjembela road,

2023-Border road.

**Park Estimates:** 



Zambian Wildlife Authority

# In order to derive population estimates (using the DISTANCE method) adequate numbers of sightings are required for each species to determine detection profiles which can be used to extrapolate animal numbers across the larger area. The number of sightings recorded (using all years of data) is too low for many species to be able to derive sensible detection curves and estimates. Very rough estimates for 6 species are presented (opposite). Too few sightings were recorded for elephant, impala and zebra. No estimates are therefore provided for these species.

Linear trends (animals seen per unit distance) may be a more useful tool for assessing the stability of the majority of species as long as the counting method remains consistent over time. Trends for kudu and duiker are promising while those for elephant, impala and Sable antelope may be cause for concern.

#### Trends: Animals per 100km

Only species seen in at least half of the count years are displayed

