

GAME COUNTS: KAVANGO EAST

July 2024

A collaboration between NACSO, MEFT and environmental NGOs



Estimates

Species	George Mukoya		Muduva Nyangana	
	Estimate	95% CI Range	Estimate	95% CI Range
Duiker (HN)	529	294-952	366	190-703
Eland (HN)	291	112-758	508	249-1039
Gemsbok (U)	153	60-392	117	37-367
Giraffe (U)	494	260-940	176	63-493
Kudu (U)	395	205-761	37	6-233
Roan (HN)	706	441-1132	381	143-1018
Steenbok (HN)	87	35-221	45	12-172

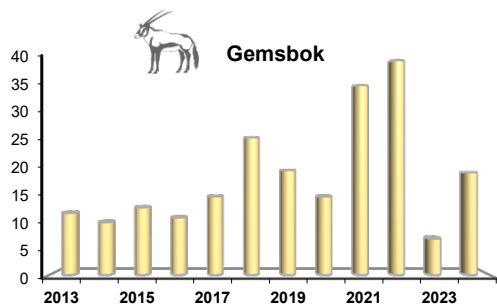
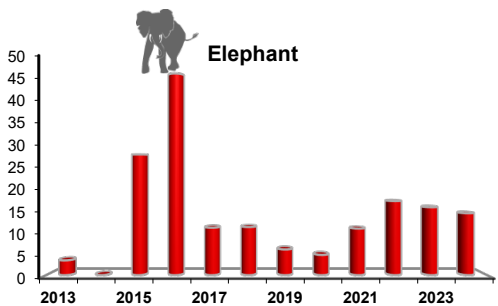
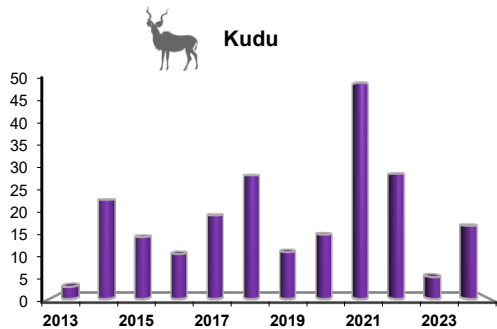
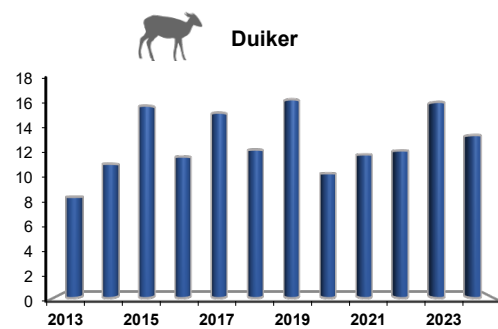
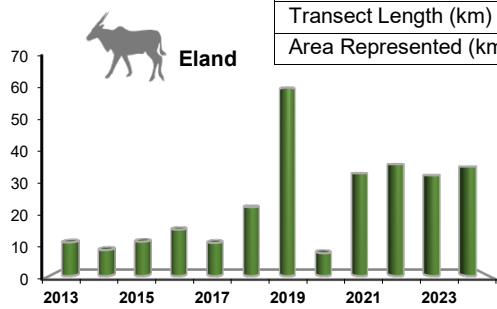
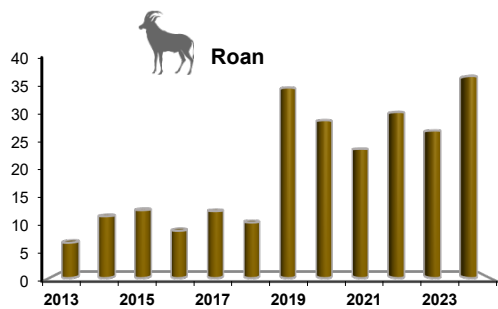
Estimates are derived using DISTANCE analysis which takes account of drop-off in detectability with distance from the transect line. Sightings from all counts were used to determine species detection profiles. Model: U=uniform; HN=half normal. **Care should be taken when considering these estimates for quota setting purposes.**

Animals seen

Species	Transects				Total Seen	Total Groups
	George Mukoya		Muduva Nyangana			
	Seen	Groups	Seen	Groups		
Duiker	28	24	21	18	49	42
Eland	51	7	77	12	128	19
Elephant	34	6	18	2	52	8
Gemsbok	36	4	33	3	69	7
Giraffe	126	21	30	7	156	28
Hyaena					0	0
Impala					0	0
Kudu	53	11	8	1	61	12
Leopard					0	0
Ostrich	3	2	1	1	4	3
Porcupine					0	0
Roan	86	17	49	9	135	26
Steenbok	4	4	3	3	7	7
Vervet Monkey					0	0
Warthog					0	0
Wild dog	4	1			4	1
Wildebeest	12	3	40	1	52	4

Trends overall: Animals per 100km

	George Mukoya	Muduva Nyangana
Transects	23	11
Transect Length (km)	241	122
Area Represented (km ²)	237	122



Sightings: previous 5 years

Species	Animals				
	2019	2020	2021	2022	2023
Duiker	61	42	42	40	58
Eland	225	30	117	118	116
Elephant	22	19	38	56	56
Gemsbok	72	59	124	130	24
Giraffe	75	99	170	145	61
Hyaena		1			
Impala				28	
Kudu	40	60	175	94	18
Leopard			4		
Ostrich	2	5	5	1	
Porcupine	2				
Roan	130	118	84	100	97
Steenbok	16	19	19	12	20
V. Monkey		41	15	13	
Warthog	6	12	5	1	3
Wild dog					
Wildebeest	60	23		2	40

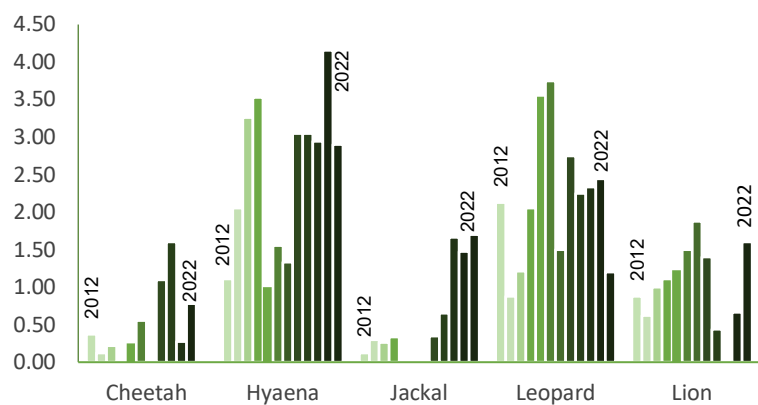
	Groups				
	2019	2020	2021	2022	2023
Duiker	51	38	41	35	54
Eland	21	8	17	17	17
Elephant	7	7	2	10	13
Gemsbok	18	15	15	18	8
Giraffe	19	23	36	35	16
Hyaena		1			
Impala				3	
Kudu	15	17	23	16	6
Leopard			3		
Ostrich	2	4	2	1	
Porcupine	1				
Roan	24	15	19	19	17
Steenbok	15	17	16	10	19
V. Monkey		2	1	3	
Warthog	2	5	1	1	2
Wildebeest	5	3		1	1

Supplementary Data

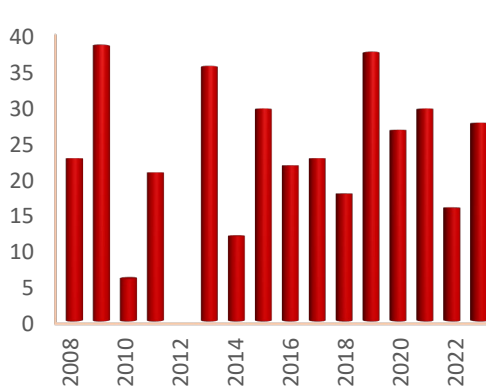
Predator index and mortalities from the Event Book & rainfall from CHIRPS

(<https://earlywarning.usgs.gov/fews/datadownloads/Global/CHIRPS%202.0>)

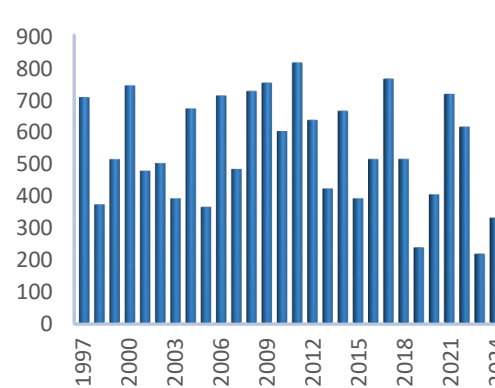
Predator Sighting Index



Mortalities (animals)



Rainfall Season (Jul-Jun) (mm)



Overview

The fundamental purpose of game counts in communal areas is to inform conservancies and MEFT of wildlife trends for the purposes of adaptive management of resources. While estimates of species numbers are provided, these should only be considered as an approximate guide to species abundance.

In 2024:

- populations of the main game species showed positive or stable trends and numbers of gemsbok and kudu were at more typical levels compared with 2023. The only species showing a downward trend was steenbok.
- elephant numbers were similar over the past 3 counts
- estimates suggest that numbers across all species are reasonably well balanced
- recent rainfall seasons have been quite variable.
- Predator sightings are variable across years but only jackal is showing an increasing trend.



Both photos © NACSO/WWF in Namibia

