

GAME COUNTS: KAVANGO EAST Aug 2022



Estimates

Species	George Mukoya		Muduva Nyangana	
	Estimate	95% CI Range	Estimate	95% CI Range
Duiker (HN)	486	274-861	168	71-395
Eland (HN)	421	133-1,337	315	143-696
Gemsbok (U)	488	241-989	104	35-312
Giraffe (U)	470	263-841	241	116-497
Kudu (U)	544	269-1,100	83	22-314
Roan (U)	394	217-715	246	106-569
Steenbok (HN)	116	49-277	53	13-217

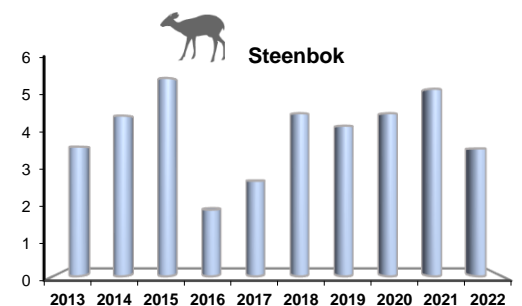
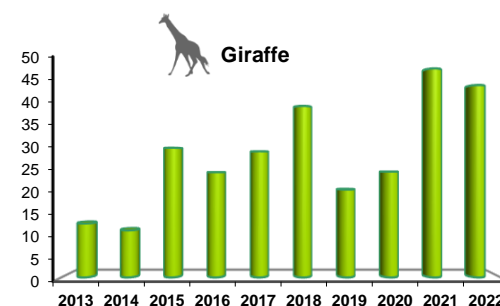
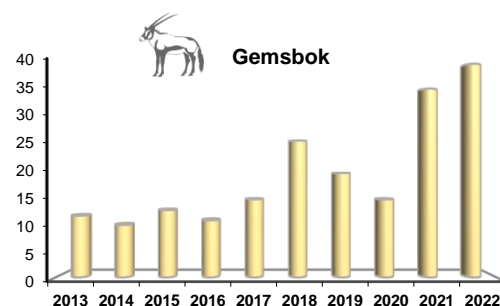
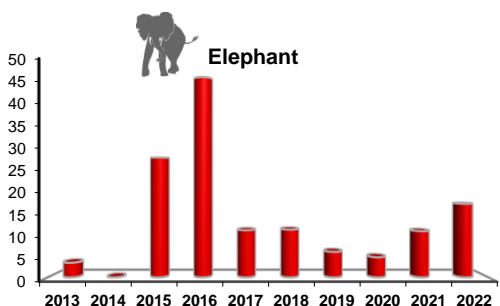
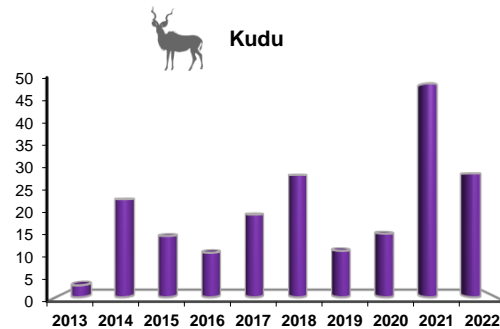
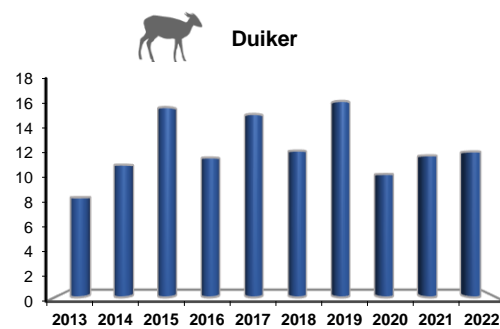
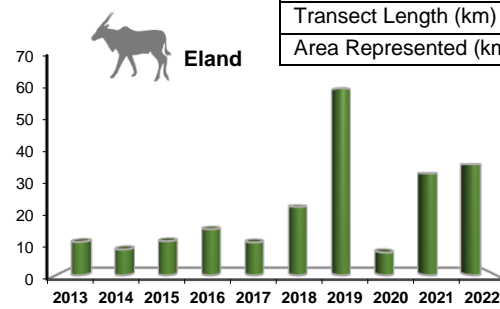
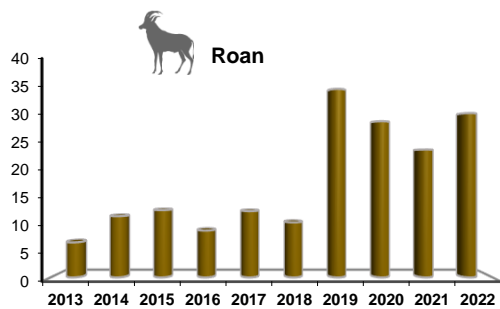
Estimates are derived using DISTANCE analysis which takes account of drop-off in detectability with distance from the transect line. Sightings from all counts were used to determine species detection profiles. Model: U=uniform; HN=half normal. Care should be taken when considering these estimates for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

Animals seen

Species	Transects				Total Seen	Total Groups
	George Mukoya		Muduva Nyangana			
	Seen	Groups	Seen	Groups		
Duiker	31	27	9	8	40	35
Eland	69	10	49	7	118	17
Elephant	54	9	2	1	56	10
Gemsbok	112	15	18	3	130	18
Giraffe	97	23	48	12	145	35
Hyaena						
Impala						
Kudu	85	14	9	2	94	16
Leopard						
Ostrich			1	1	1	1
Porcupine						
Roan	54	12	46	7	100	19
Steenbok	9	7	3	3	12	10
Vervet Monkey	6	2	7	1	13	3
Warthog	1	1			1	1
Wild dog						
Wildebeest	2	1			2	1

Trends overall: Animals per 100km

	George Mukoya	Muduva Nyangana
Transects	24	11
Transect Length (km)	221	106
Area Represented (km ²)	238	122



Sightings: previous 5 years

Species	Animals				
	2017	2018	2019	2020	2021
Duiker	56	42	61	42	42
Eland	39	76	225	30	117
Elephant	40	38	22	19	38
Gemsbok	53	87	72	59	124
Giraffe	106	135	75	99	170
Hyaena				1	
Impala		15			
Kudu	70	96	40	60	175
Leopard	2				4
Ostrich	1	14	2	5	5
Porcupine			2		
Roan	45	35	130	118	84
Steenbok	10	16	16	19	19
V. Monkey	45	41		41	15
Warthog	9	10	6	12	5
Wild dog		6			
Wildebeest	4	37	60	23	

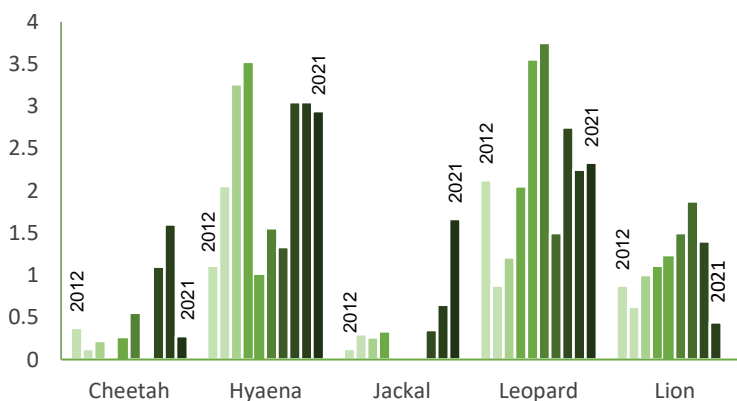
	Groups				
	2017	2018	2019	2020	2021
Duiker	47	38	51	38	41
Eland	10	16	21	8	17
Elephant	8	7	7	7	2
Gemsbok	18	10	18	15	15
Giraffe	31	22	19	23	36
Hyaena				1	
Impala		1			
Kudu	14	14	15	17	23
Leopard	1				3
Ostrich	1	4	2	4	2
Porcupine			1		
Roan	17	9	24	15	19
Steenbok	9	14	15	17	16
V. Monkey	3	3		2	1
Warthog	4	4	2	5	1
Wild dog		2			
Wildebeest	1	2	5	3	

Supplementary Data

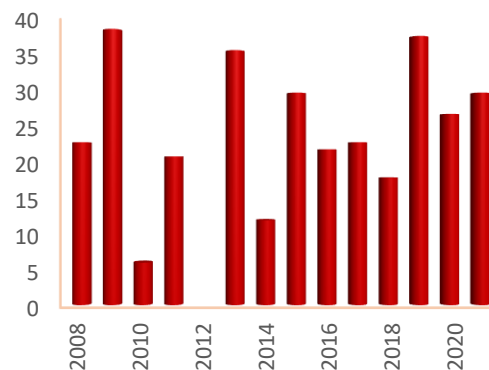
Predator index and mortalities from the Event Book & rainfall from CHIRPS

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

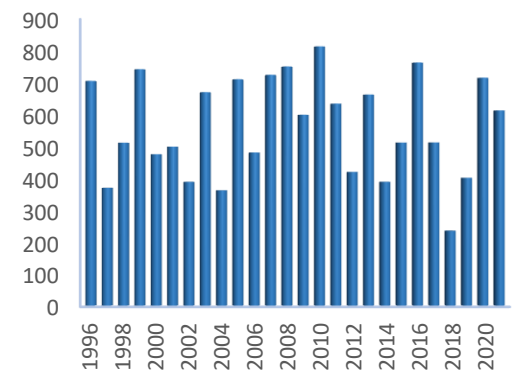
Predator Sighting Index



Mortalities (animals)



Rainfall Season (Jul-Jun) (mm)



Both photos © NACSO/WWF in Namibia
<http://conservationphotographyinamibia.com>

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.

The 2022 data suggest:

- populations for the 7 main game species are currently showing positive or stable trends.
- estimates suggest that these populations are still well balanced in number.
- the past 2 rainfall seasons have been more typical.
- lion presence has seen a marked drop since 2019
- since 2017 elephant numbers initially dropped but now show an increasing trend.

