

GAME COUNTS IN BWABWATA N.P.

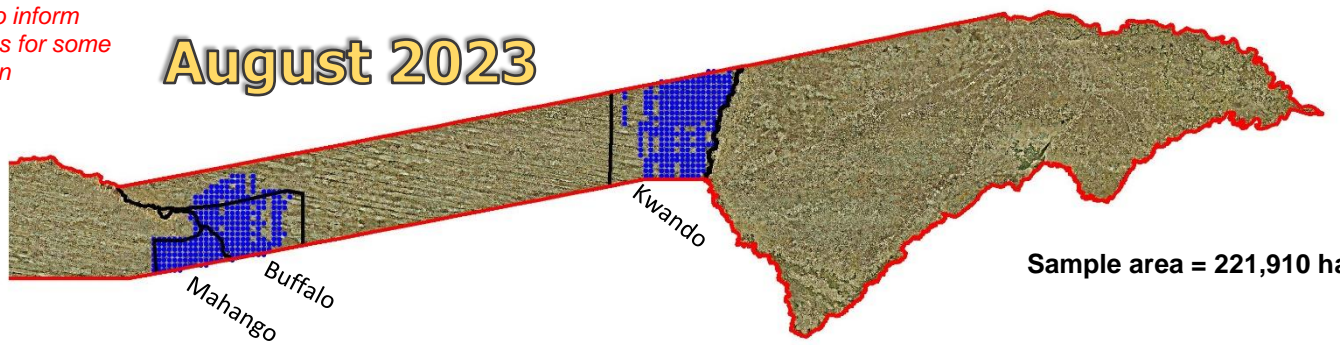
The fundamental purpose of these annual game counts is to inform MEFT of general wildlife trends in the parks. While estimates for some species are provided, these should only be considered as an approximate guide to species abundance.

August 2023

Dry season - Live sightings

Numbers seen:

Park Section	Mahango	Buffalo	Kwando
Total km	356	554	975
No. of routes	22	34	58



Sample area = 221,910 ha.

Species	Mahango	Buffalo	Kwando
Baboon	93		
Buffalo	171	972	770
Bushbuck		19	
Bushpig		2	
Cheetah			1
Crocodile	3		1
Duiker	40	111	78
Eland	12	163	35
Elephant	209	1,062	1,052
Giraffe	26		72
Hartebeest			10
Hippo	31	5	23
Hyaena	2	3	2
Impala	606	362	561
Jackal BB			
Kudu	132	220	157
Lechwe	229	334	237
Leopard			1
Lion			2
Ostrich	12	6	6
Reedbuck	6	4	13
Roan	7	180	83
Sable	1	270	193
Steenbok	8	32	24
Tsessebe	6		30
V. Monkey	36	14	26
Warthog	36	55	26
Waterbuck		3	1
Wild dog		2	
Wildebeest		4	113
Zebra B.	145	109	658

Species	Habitat		
	Riverine zone with floodplain grassland	Wood land < 8km from the river	Wood land > 8km from the river
Baboon	13	18	62
Buffalo	816	742	355
Bushbuck	14	5	0
Bushpig	0	0	2
Cheetah	1	0	0
Crocodile	3	1	0
Duiker	15	66	148
Eland	0	176	34
Elephant	390	1,171	762
Giraffe	33	43	22
Hartebeest	5	3	2
Hippo	59	0	0
Hyaena	2	2	3
Impala	1,009	393	127
Jackal BB	0	0	0
Kudu	217	172	120
Lechwe	542	258	0
Leopard	0	1	0
Lion	2	0	0
Ostrich	8	5	11
Reedbuck	17	6	0
Roan	52	67	151
Sable	79	188	197
Steenbok	3	20	41
Tsessebe	14	16	6
V. Monkey	40	36	0
Warthog	56	23	38
Waterbuck	4	0	0
Wild dog	0	2	0
Wildebeest	110	7	0
Zebra B.	188	512	212

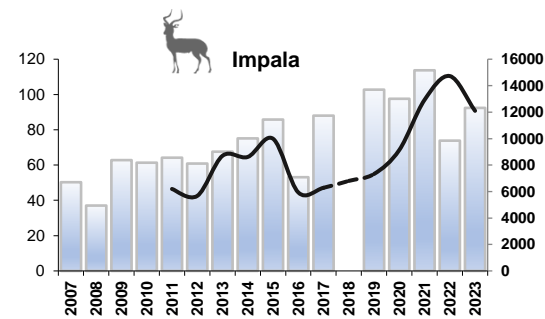
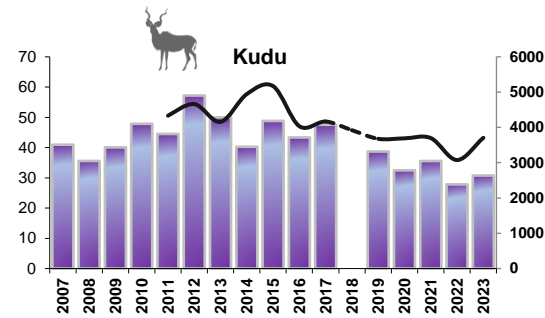
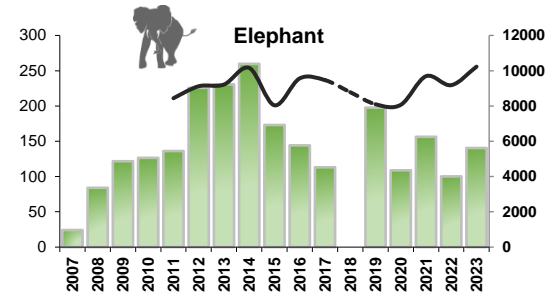
Last 3 Count Years

Species	Animals Seen			Groups		
	2023	2022	2021	2023	2022	2021
Baboon	93	101	88	5	6	4
Buffalo	1,913	940	1,912	76	42	66
Bushbuck	19	4	1	15	2	1
Bushpig	2			1		
Cheetah	1			1		
Crocodile	4	33	8	4	20	5
Duiker	229	143	163	206	131	150
Eland	210	46	96	32	12	15
Elephant	2,323	1,653	2,580	184	123	129
Giraffe	98	127	133	35	37	41
Hartebeest	10			4		
Hippo	59	39	21	8	7	4
Hyaena	7	5	9	5	3	6
Impala	1,529	1,218	1,877	180	136	177
Jackal BB	0			0		
Kudu	509	459	587	141	117	123
Lechwe	800	893	689	74	53	51
Leopard	1	1		1	1	
Lion	2			1		
Ostrich	24	27	10	11	9	6
Reedbuck	23	15	39	12	7	12
Roan	270	126	103	54	38	36
Sable	464	293	230	99	60	68
Steenbok	64	42	56	53	36	44
Tsessebe	36	82	79	14	19	24
V. Monkey	76	89	36	9	12	9
Warthog	117	219	170	57	72	81
Waterbuck	4	29	18	3	7	3
Wild dog	2	12	6	1	2	1
Wildebeest	117	112	72	10	14	12
Zebra B.	912	424	853	100	55	79

Trends

Numbers per 100km overall (bars) and 3-year average estimates (line)

• No counts were undertaken in 2018



Estimates (transects)

Estimates were calculated using DISTANCE. The last 3 years of data were used in analysis to generate a detection profile for each species. The bottom row of the table (hyphenated) numbers = 95% Confidence Intervals (rounded) for the 2023 count year. The estimates for 2023 can be compared to the 3-year average (rightmost column).

Species	Mahango	Buffalo	Kwando	Total Estimate 2023	Average Estimate (2021-2023)
Buffalo	75 16-358	2,921 1420-6011	4,219 1716-10375	7,215	4,637
Duiker	351 228-540	1,303 957-1774	1,464 1115-1922	3,118	2,551
Elephant	878 320-7024	4,861 3365-7024	7,222 4863-10724	12,961	10,229
Giraffe	108 48-246	-	515 290-913	623	658
Impala	1,434 591-3483	2,658 853-8278	4,912 2260-10676	9,004	12,098
Kudu	566 296-1083	2,084 915-4747	1,454 926-2285	4,104	3,706
Lechwe	132 25-705	905 247-3309	666 198-2243	1,703	1,458
Reedbuck	*	*	93 33-262	*	*
Roan	72 7-94	470 199-1108	380 167-862	922	584
Sable	4 1-21	1,377 897-2113	1,194 634-2248	2,575	1,505
Steenbok	106 37-300	679 436-1058	483 276-846	1,268	*
Tsessebe	16 4-75	-	128 58-280	144	288
Warthog	106 38-295	409 186-899	285 157-518	800	844
Wildebeest	-	*	334 131-853	*	*
Zebra	355	488	3,909	4,752	3,823
Burchell's	189-667	219-1088	2498-6117		

* = too few observations to provide useful local estimates
0 = no animals seen in counts

