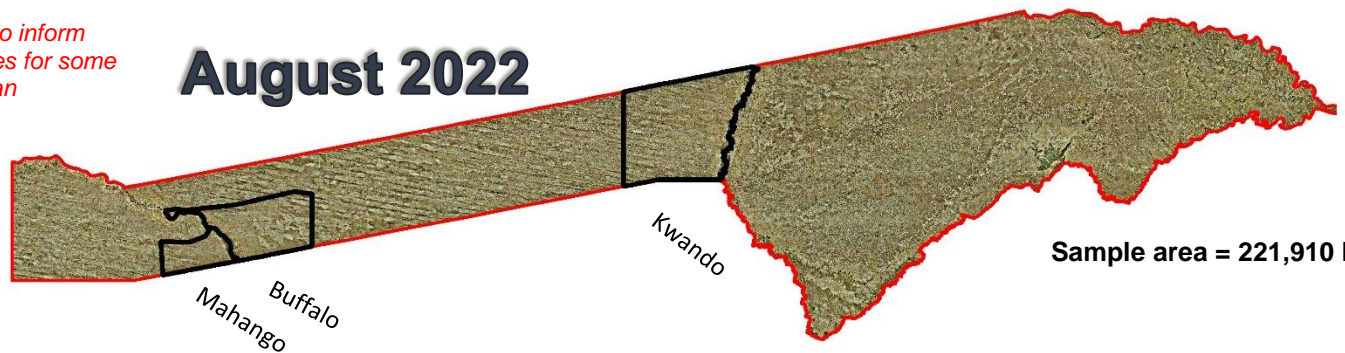


GAME COUNTS IN BWABWATA N.P.

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 2022



Sample area = 221,910 ha.

Dry season - Live sightings

Numbers seen:

Park Section	Mahango	Buffalo	Kwando
Total km	309	593	814
No. of routes	21	35	55
Species	Mahango	Buffalo	Kwando
Baboon	74		27
Buffalo	203	429	308
Bushbuck		4	
Bushpig			
Cheetah			
Crocodile	13	15	5
Duiker	26	51	66
Eland		33	13
Elephant	85	1,085	483
Giraffe	27	4	100
Hippo	29	4	6
Hyaena		1	4
Impala	339	123	756
Jackal BB			
Kudu	174	204	81
Lechwe	372	220	301
Leopard			1
Lion			
Ostrich	20	2	5
Reedbuck	2		13
Roan	46	62	18
Sable	34	191	68
Steenbok	8	15	19
Tsessebe	24		58
V. Monkey	34	52	3
Warthog	138	50	31
Waterbuck		11	18
Wild dog	12		
Wildebeest	26		86
Zebra B.	138	25	261

Habitat

Species	Riverine zone with floodplain grassland	Wood land < 8km from the river	Wood land > 8km from the river
Baboon	62	39	
Buffalo	802	101	37
Bushbuck	2	2	
Bushpig			
Cheetah			
Crocodile	26	7	
Duiker	7	58	78
Eland		17	29
Elephant	103	645	905
Giraffe	27	34	66
Hippo	38	1	
Hyaena	1	3	1
Impala	726	402	90
Jackal BB			
Kudu	108	160	191
Lechwe	792	101	
Leopard	1		
Lion			
Ostrich	12	9	6
Reedbuck	13	2	
Roan	10	78	38
Sable	29	133	131
Steenbok	3	11	28
Tsessebe	34	19	29
V. Monkey	59	30	
Warthog	157	38	24
Waterbuck	23	6	
Wild dog	12		
Wildebeest	97	7	8
Zebra B.	58	193	173

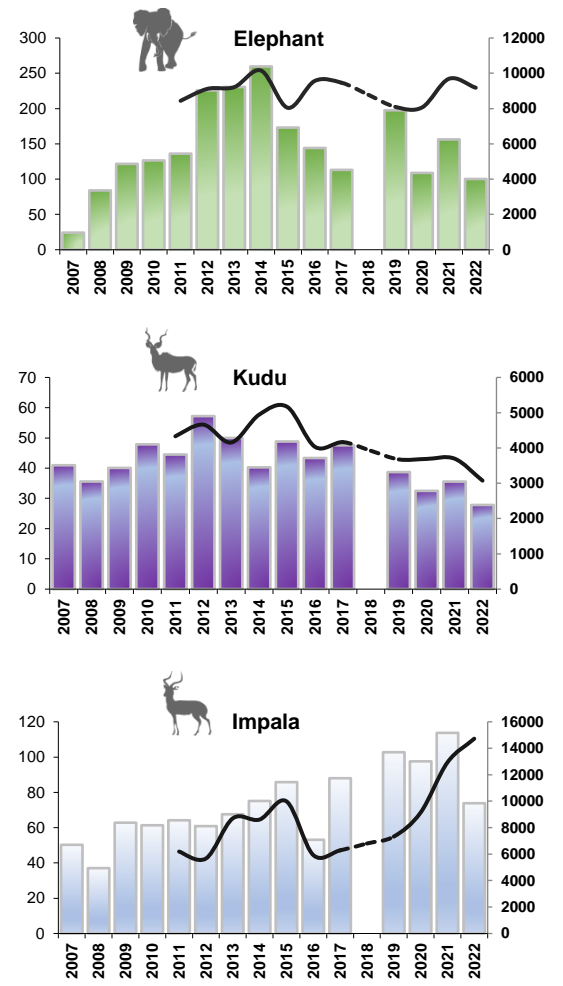
Last 3 Count Years

Species	Animals Seen			Groups		
	2022	2021	2020	2022	2021	2020
Baboon	101	88	117	6	4	9
Buffalo	940	1,912	2,067	42	66	63
Bushbuck	4	1	2	2	1	2
Bushpig						
Cheetah						
Crocodile	33	8	27	20	5	15
Duiker	143	163	177	131	150	163
Eland	46	96	363	12	15	23
Elephant	1,653	2,580	1,822	123	129	136
Giraffe	127	133	166	37	41	43
Hippo	39	21	92	7	4	10
Hyaena	5	9	7	3	6	6
Impala	1,218	1,877	1,634	136	177	139
Jackal BB			2			1
Kudu	459	587	544	117	123	127
Lechwe	893	689	627	53	51	36
Leopard	1		2	1		2
Lion			2			1
Ostrich	27	10	13	9	6	7
Reedbuck	15	39	38	7	12	8
Roan	126	103	116	38	36	32
Sable	293	230	462	60	68	90
Steenbok	42	56	56	36	44	47
Tsessebe	82	79	110	19	24	21
V. Monkey	89	36	134	12	9	17
Warthog	219	170	213	72	81	85
Waterbuck	29	18	16	7	3	1
Wild dog	12	6	1	2	1	1
Wildebeest	112	72	126	14	12	9
Zebra B.	424	853	599	55	79	40

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 2022 count year. The estimates for 2022 can be compared to the 3-year average (rightmost column).

Species	Mahango	Buffalo	Kwando	Total Estimate 2022	Average Estimate (2020-2022)
Buffalo	221 36-1,345	1,465 413-5,197	1,438 336-6,153	3,124	4,144
Duiker	220 134-364	756 497-1,151	1,250 901-1,734	2,226	2,544
Elephant	543 230-1,300	4,218 2,732-6,513	3,407 2,125-5,462	8,168	9,181
Giraffe	88 43-181	0	703 412-1,200	791	713
Impala	888 353-2233	897 314-2,563	9,198 4,285-19,743	10,983	14,726
Kudu	804 501-1,291	1,442 907-2,291	829 481-1,429	3,075	3,478
Lechwe	305 46-2,009	378 78-1,823	862 277-2,681	1,545	1,276
Reedbuck	* *	0	51 13-201	*	*
Roan	195 60-636	231 129-415	91 35-237	517	450
Sable	32 9-111	506 285-899	609 276-1,343	1,147	1,474
Steenbok	121 56-261	118 54-261	389 201-751	628	767
Tsessebe	40 10-155	0	321 165-625	361	364
Warthog	366 101-1,332	236 83-671	459 208-1,012	1,061	575
Wildebeest	* *	0	396 207-756	*	*
Zebra	342	133	2,279	2,754	3,069
Burchell's	165-711	48-370	1,452-3,578		

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

