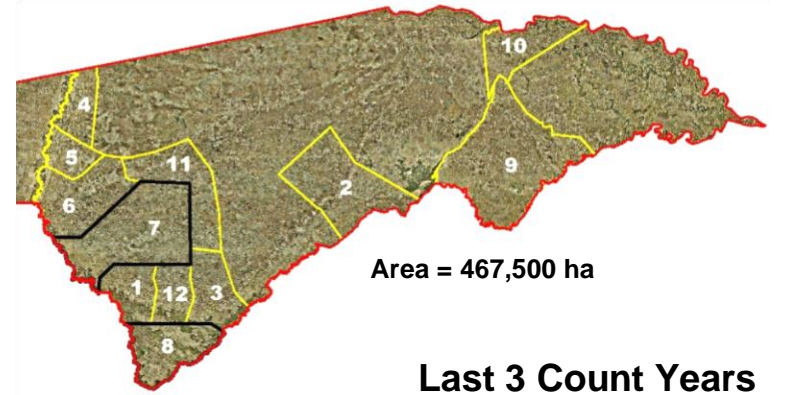


GAME COUNTS IN EAST ZAMBEZI

Dry season - Live sightings

Aug 2019



Numbers seen:

Area	1 Balyerwa	2 Bamunu	3 Dzoti	4 Kwandu	5 Mashi	6 Mayuni	7 Mudumu	8 Nkasa Ruparo	9 Salambala	10 Sikunga	11 Sobbe	12 Wuparo
Total km	44	93	112	82	92	74	309	113	217	72	105	59
No. of routes	7	9	12	11	9	6	23	4	16	7	10	5
Species												
Baboon							38	43	12			
Buffalo	15	84	2		33		131	180	2			
Bushbuck							3	1				
Bushpig												
Crocodile				2								
Duiker	6	1	6	9	9	3	35	1	3		9	5
Eland				1		10	6		2		2	
Elephant	57	94	55	20	32	15	532	281	4	8		20
Giraffe						1	27		14	9		
Hippo				6		16	17	17				
Hyaena												
Impala	187		10	2	26	3	172	901	319	31		
Jackal	2		2				2	1		1		
Kudu	2		3	7	13	4	29	29	2		5	
Lechwe				138	2	140	20	86				
Leopard								2				
Lion	1											
Ostrich		1										
Reedbuck		9		1	3	10	3	22				
Roan	7		16		1		58				2	
Sable							7					
Steenbok			2	1	2	1	8	1			1	
Tsessebe							5					
V. Monkey			15				2	11				
Warthog	1	1					75	485	66			
Waterbuck					8			13				
Wild dog												
Wildebeest	79	32			10		7	15	178			
Zebra B.		1088	14		25		180	55	165		8	

• From 2016 onwards Bamunu (2) was included in counts. In 2018 the two Protected Areas Mudumu (7) and Nkasa Ruparo (8) were not included in counts. It is important to bear this in mind when interpreting tables, charts and a time series of posters.

Habitat

	Riverine zone with floodplain grassland	Woodland < 8km from the river	Woodland > 8km from the river	Eastern floodplain and grassland
Baboon	43	38	12	0
Buffalo	197	281	2	0
Bushbuck	1	3	0	0
Bushpig	0	0	0	0
Crocodile	2	0	0	0
Duiker	4	9	74	0
Eland	0	0	21	0
Elephant	376	295	439	8
Giraffe	0	4	38	9
Hippo	52	7	0	0
Hyaena	0	0	0	0
Impala	1256	197	239	117
Jackal	2	0	5	1
Kudu	40	15	39	0
Lechwe	350	37	0	0
Leopard	2	0	0	0
Lion	0	1	0	0
Ostrich	0	1	0	0
Reedbuck	37	18	2	0
Roan	0	23	61	0
Sable	0	3	4	0
Steenbok	1	1	14	0
Tsessebe	0	0	5	0
V. Monkey	26	2	0	0
Warthog	485	23	120	0
Waterbuck	21	0	0	0
Wild dog	0	0	0	0
Wildebeest	172	39	188	0
Zebra B.	180	878	462	15

Last 3 Count Years

Species	Animals Seen			Groups		
	2019	2018	2017	2019	2018	2017
Baboon	93	5	14	8	1	1
Buffalo	447	350	2682	11	2	2
Bushbuck	4	0	0	2	0	0
Bushpig	0	2	0	0	1	0
Crocodile	2	0	1	1	0	1
Duiker	87	24	32	75	23	29
Eland	21	7	5	5	2	2
Elephant	1118	3	33	124	1	3
Giraffe	51	29	18	14	9	2
Hippo	56	2	1	17	1	1
Hyaena	0	0	0	0	0	0
Impala	1651	317	333	115	19	21
Jackal	8	2	6	6	2	4
Kudu	94	46	40	34	12	12
Lechwe	386	0	0	25	0	0
Leopard	2	2	0	1	1	0
Lion	1	0	0	1	0	0
Ostrich	1	0	0	1	0	0
Reedbuck	48	9	5	21	3	2
Roan	84	30	14	27	5	5
Sable	7	14	8	5	3	2
Steenbok	16	2	1	12	1	1
Tsessebe	5	0	0	1	0	0
V. Monkey	28	0	5	3	0	1
Warthog	628	66	75	183	21	19
Waterbuck	21	8	6	3	2	1
Wild dog	0	0	0	0	0	0
Wildebeest	321	140	250	19	6	15
Zebra B.	1535	707	3112	62	18	43



Estimates

Estimates were calculated for the current year using DISTANCE. In most cases at least the last 5 years of data were used in analysis to generate a detection profile for each species. Several conservancies have been grouped due to the low numbers of animals recorded. The bottom row of the table (hyphenated) numbers = 95% Confidence Intervals. In Sikunga, very few sightings have ever been recorded (52 for all species since 2011) and no sensible estimates for any species can be derived for this area. No estimates are given for Zebra and Buffalo as DISTANCE is not an appropriate method for these species in this area. These are herd animals and numbers sighted provide some guide to abundance.

Species	Kwandu Mayuni Mashi Sobbe	Balyerwa Dzoti Wuparo	Mudumu	Nkasa Ruparo	Salambala	Sikunga	Bamunu
Buffalo	33	17	131	180	*	0	84
Duiker	835	307	1,200	*	129	*	119
Elephant	490-1410	160-580	580-2500	*	45-370	*	20-725
Giraffe	467	446	4,598	2,151	*	*	94
Impala	140-1590	220-890	2840-7450	830-5600	*	*	*
Kudu	*	*	119	0	*	*	0
Lechwe	280	0	50-290	0	*	*	0
Reedbuck	14	*	20	221	*	*	*
Roan	*	43	608	0	*	*	*
Sable	*	8-230	240-1530	0	*	*	0
Steenbok	264	*	119	0	*	*	0
Warthog	100-700	*	30-410	0	*	*	0
Wildebeest	*	*	894	7,085	637	*	*
Zebra	*	*	380-2110	2590-19370	320-1270	*	*
	10	79	56	*	2,243	*	32
	33	14	180	55	165	0	1088

In red: DISTANCE analysis is not appropriate for some species. Values in red indicate the numbers seen for these species.

* = too few observations to provide useful estimates of numbers

0 = no animals seen in counts

Trends: Bars = numbers per 100km (left axis); lines = patrol sighting index

Monthly patrol trends may assist with the interpretation of trend fluctuations seen in counts.

