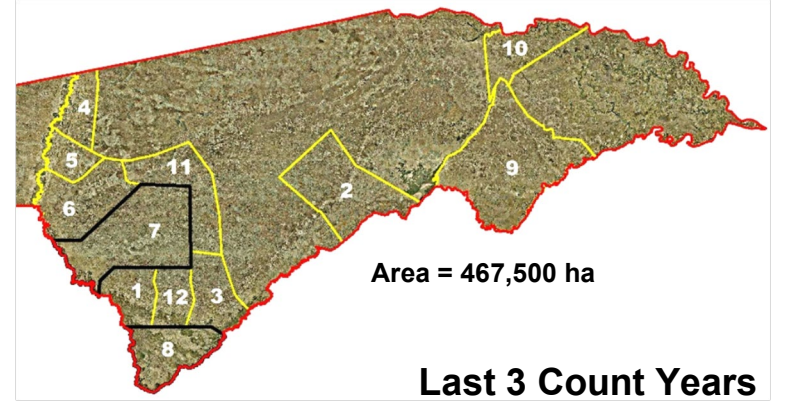


GAME COUNTS IN EAST ZAMBEZI

Dry season - Live sightings

October 2020



• 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.

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	85	89	118	95	94	88	374	155	200	68	100	75
No. of routes	12	9	12	11	9	6	23	4	16	6	10	5
Species												
Baboon	8	26			7	20	105					15
Buffalo			452				2	68				80
Bushbuck		1										
Bushpig												
Crocodile							2					
Duiker	3	2	12	5	4	7	40		2		13	3
Eland				5					1		1	
Elephant		15	27				904	49	109			16
Giraffe		6				1	26		2			
Hippo			6	2		18	13	2				
Hyaena									2			
Impala	46	2	69		34	12	259	800	176			49
Jackal	2		2				7	2				
Kudu	9	16	41		17	4	59	24	13	6		
Lechwe				4		91	1	366				
Leopard				1								
Lion												
Ostrich		1										
Reedbuck		8			5		1	24				7
Roan	6		5	4	14		85				4	
Sable							57					
Steenbok	1				1		16				1	
Tsessebe							7					
V. Monkey												
Warthog	2	13	5			1	25	576	18	2		27
Waterbuck	5	5			18			14	24			26
Wild dog							1					
Wildebeest	1	32			40		80	11	132	5		
Zebra B.	2	391	21		4		548	33	284			15

Mudumu and Nkasa Ruparo (outlined in red) are National Parks, the remainder are conservancies



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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 (55 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 when the number of sightings is low. These animals are usually found in large herds and numbers sighted at least provide some guide to abundance.

Species	Kwandu Mayuni Mashi Sobbe	Balyerwa Dzoti Wuparo	Mudumu	Nkasa Ruparo	Bamunu	Salambala	Sikunga
Buffalo	532	0	*	68	0	0	0
Duiker	899 569-1421	275 153-493	1371 791-2376	0	276 71-1080	89 24-330	0
Elephant	*	107	5235	450	*	*	0
Giraffe	*	*	155	0	*	28	0
Impala	*	902	3676	7590	*	2457	0
Kudu	195 56-677	197 92-420	616 287-1322	284 89-903	*	187 63-559	*
Lechwe	*	0	*	1092	0	0	0
Reedbuck	*	*	*	*	*	0	0
Roan	191 70-522	38 11-130	401 184-876	0	0	0	0
Sable	0	0	*	0	0	0	0
Steenbok	*	*	243	0	0	0	0
Warthog	50 9-289	189 65-551	594 325-1087	9366 3066-28611	*	343 112-962	*
Wildebeest	40	*	520	11	32	661	*
Zebra	*	38	548	33	391	284	0

In red: DISTANCE analysis is not appropriate for herd species with low numbers of sightings. 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

Habitat

	Riverine zone with floodplain grassland	Woodland < 8km from the river	Woodland > 8km from the river	Eastern floodplain and grassland
Baboon	38	116	27	0
Buffalo	148	452	2	0
Bushbuck	0	0	1	0
Bushpig	0	0	0	0
Crocodile	1	1	0	0
Duiker	5	6	79	1
Eland	0	0	7	0
Elephant	96	213	814	7
Giraffe	0	18	17	0
Hippo	22	19	0	0
Hyaena	0	0	2	0
Impala	1,002	241	159	45
Jackal	3	2	8	0
Kudu	35	40	107	7
Lechwe	461	1	0	0
Leopard	0	0	1	0
Lion	0	0	0	0
Ostrich	0	1	0	0
Reedbuck	31	17	1	0
Roan	0	65	53	0
Sable	2	1	54	0
Steenbok	1	1	17	0
Tsessebe	0	0	7	0
V. Monkey	0	0	0	0
Warthog	609	22	36	2
Waterbuck	69	23	0	0
Wild dog	0	1	0	0
Wildebeest	59	32	205	5
Zebra B.	376	648	274	0

Last 3 Count Years

Species	Animals Seen			Groups		
	2020	2019	2018	2020	2019	2018
Baboon	181	93	5	9	8	1
Buffalo	602	447	350	7	11	2
Bushbuck	1	4	0	1	2	0
Bushpig	0	0	2	0	0	1
Crocodile	2	2	0	2	1	0
Duiker	91	87	24	84	75	23
Eland	7	21	7	4	5	2
Elephant	1,120	1,118	3	53	124	1
Giraffe	35	51	29	13	14	9
Hippo	41	56	2	9	17	1
Hyaena	2	0	0	1	0	0
Impala	1,447	1,651	317	139	115	19
Jackal	13	8	2	8	6	2
Kudu	189	94	46	46	34	12
Lechwe	462	386	0	33	25	0
Leopard	1	2	2	1	1	1
Lion	0	1	0	0	1	0
Ostrich	1	1	0	1	1	0
Reedbuck	45	48	9	22	21	3
Roan	118	84	30	35	27	5
Sable	57	7	14	11	5	3
Steenbok	19	16	2	18	12	1
Tsessebe	7	5	0	1	1	0
V. Monkey	0	28	0	0	3	0
Warthog	669	628	66	209	183	21
Waterbuck	92	21	8	9	3	2
Wild dog	1	0	0	1	0	0
Wildebeest	301	321	140	13	19	6
Zebra B.	1,298	1,535	707	66	62	18

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.

