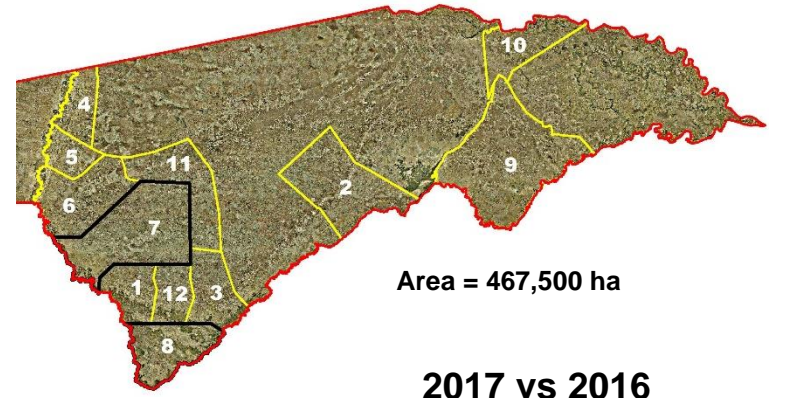


GAME COUNTS IN EAST ZAMBEZI

Dry season - Live sightings

2017



Numbers seen:

| Area | 1 Balyerwa | 2 Bamunu | 3 Dzoti | 4 Kwandu | 5 Mashi | 6 Mayuni | 7 Mudumu | 8 Nkasa Rupara | 9 Salambala | 10 Sikunga | 11 Sobbe | 12 Wuparo |
|---------------|------------|----------|---------|----------|---------|----------|----------|----------------|-------------|------------|----------|-----------|
| Total km | 86 | 88 | 110 | 94 | 85 | 77 | 304 | 92 | 216 | 40 | 101 | 47 |
| No. of routes | 12 | 8 | 12 | 11 | 9 | 6 | 22 | 3* | 16 | 4 | 10 | 5 |
| Species | | | | | | | | | | | | |
| Baboon | | | | | | | | 14 | | | | |
| Buffalo | 2682 | | | | | | 28 | 275 | | | | |
| Bushbuck | | | | | | | | | | | | |
| Bushpig | | | | | | | | | | | | |
| Cheetah | | | | | | | | | | | | |
| Crocodile | 1 | | | | | | | | | | | |
| Duiker | 6 | 1 | 2 | 4 | 9 | 5 | 20 | 1 | 1 | | 4 | |
| Eland | | | | | | | 34 | | | | 5 | |
| Elephant | 21 | | | | | | 368 | 11 | 12 | | | |
| Giraffe | | | | | | | 6 | 3 | 15 | | | |
| Hippo | | | | 1 | | | 7 | 35 | | | | |
| Hyaena | | | | | | | 2 | | | | | |
| Impala | 70 | | 53 | 1 | 14 | | 267 | 507 | 173 | 22 | | |
| Jackal BB | | | 1 | 2 | | | 6 | 3 | | | | |
| Kudu | 11 | | 6 | 10 | | | 15 | 25 | 10 | | 3 | |
| Lechwe | | | | | | | 2 | 8 | | | | |
| Leopard | | | | | | | | | | | | |
| Lion | | | | | | | | | | | | |
| Ostrich | | | | | | | | | | | | |
| Reedbuck | | | | 3 | | | | 29 | 2 | | | |
| Roan | 11 | 1 | | | 2 | | 39 | | | | | |
| Sable | | | 7 | 1 | | | | | | | | |
| Steenbok | | | | | 1 | | 10 | | | | | |
| Tsessebe | | | | | | | | | | | | |
| V. Monkey | | | | | | | | | 5 | | | |
| Warthog | 3 | 1 | 5 | 1 | | | 23 | 210 | 65 | | | |
| Waterbuck | 6 | | | | | | 14 | 1 | | | | |
| Wild dog | | | | | | | | | | | | |
| Wildebeest | 45 | | | 34 | | | 26 | 14 | 171 | | | |
| Zebra B. | 35 | 1037 | 59 | | | | 128 | 11 | 1968 | | 13 | |

From 2016 onwards two additional areas were counted: Bamunu and Nkasa Rupara. It is important to bear this in mind when interpreting tables, charts and past posters.

Habitat

| | Riverine zone with floodplain grassland | Woodland < 8km from the river | Woodland > 8km from the river | Eastern floodplain and grassland |
|------------|---|-------------------------------|-------------------------------|----------------------------------|
| Baboon | 0 | 0 | 14 | 0 |
| Buffalo | 2984 | 0 | 1 | 0 |
| Bushbuck | 0 | 0 | 0 | 0 |
| Bushpig | 0 | 0 | 0 | 0 |
| Cheetah | 0 | 0 | 0 | 0 |
| Crocodile | 1 | 0 | 0 | 0 |
| Duiker | 4 | 7 | 42 | 0 |
| Eland | 0 | 0 | 39 | 0 |
| Elephant | 15 | 43 | 356 | 0 |
| Giraffe | 0 | 1 | 5 | 18 |
| Hippo | 36 | 14 | 0 | 0 |
| Hyaena | 0 | 0 | 2 | 0 |
| Impala | 640 | 247 | 164 | 56 |
| Jackal BB | 1 | 2 | 7 | 2 |
| Kudu | 30 | 17 | 33 | 0 |
| Lechwe | 8 | 3 | 0 | 0 |
| Leopard | 0 | 0 | 0 | 0 |
| Lion | 0 | 0 | 0 | 0 |
| Ostrich | 0 | 0 | 0 | 0 |
| Reedbuck | 32 | 0 | 0 | 2 |
| Roan | 0 | 24 | 29 | 0 |
| Sable | 0 | 0 | 8 | 0 |
| Steenbok | 0 | 0 | 11 | 0 |
| Tsessebe | 0 | 0 | 0 | 0 |
| V. Monkey | 0 | 0 | 5 | 0 |
| Warthog | 216 | 22 | 65 | 8 |
| Waterbuck | 7 | 18 | 0 | 0 |
| Wild dog | 0 | 0 | 0 | 0 |
| Wildebeest | 14 | 99 | 156 | 21 |
| Zebra B. | 1839 | 628 | 641 | 143 |

2017 vs 2016

| Species | Animals | | Groups | |
|------------|---------|------|--------|------|
| | 2016 | 2017 | 2016 | 2017 |
| Baboon | 128 | 14 | 5 | 1 |
| Buffalo | 412 | 2985 | 6 | 7 |
| Bushbuck | 2 | 0 | 1 | 0 |
| Bushpig | 12 | 0 | 1 | 0 |
| Cheetah | 0 | 0 | 0 | 0 |
| Crocodile | 0 | 1 | 0 | 1 |
| Duiker | 88 | 53 | 71 | 47 |
| Eland | 188 | 39 | 11 | 6 |
| Elephant | 660 | 412 | 53 | 25 |
| Giraffe | 41 | 24 | 14 | 4 |
| Hippo | 48 | 43 | 8 | 7 |
| Hyaena | 1 | 2 | 1 | 1 |
| Impala | 1302 | 1107 | 74 | 83 |
| Jackal BB | 7 | 12 | 5 | 8 |
| Kudu | 172 | 80 | 32 | 20 |
| Lechwe | 55 | 10 | 6 | 8 |
| Leopard | 0 | 0 | 0 | 0 |
| Lion | 0 | 0 | 0 | 0 |
| Ostrich | 0 | 0 | 0 | 0 |
| Reedbuck | 33 | 34 | 15 | 13 |
| Roan | 68 | 53 | 16 | 20 |
| Sable | 12 | 8 | 6 | 2 |
| Steenbok | 3 | 11 | 3 | 9 |
| Tsessebe | 3 | 0 | 3 | 0 |
| V. Monkey | 1 | 5 | 1 | 1 |
| Warthog | 309 | 308 | 85 | 94 |
| Waterbuck | 0 | 21 | 0 | 4 |
| Wild dog | 0 | 0 | 0 | 0 |
| Wildebeest | 342 | 290 | 14 | 21 |
| Zebra B. | 1148 | 3251 | 35 | 58 |

*Due to excessive overlap with other routes, route 3 was discarded.



Estimates

Estimates were calculated using DISTANCE. These are **average** estimates as they are calculated using sightings from the 3 most recent count years. In most cases conservancies have been grouped due to the low numbers of animals recorded. The bottom row of the table (hyphenated) numbers = 95% Confidence Intervals (rounded). No estimates are given for Bamunu as this was counted for the first time in 2016 and more data are required to provide reliable species detection curves. In Sikunga, very few sightings have ever been recorded (40 for all species since 2011) and no sensible estimates can be derived for this area. No estimates are given for Zebra as DISTANCE is not an appropriate method for this species in this area. As these are herd animals numbers sighted provide some guide to abundance.

| Species | Kwandu Mayuni Mashi Sobbe | Mudumu | Nkasa Rupara | Balyerwa Dzoti Wuparo | Salambala |
|------------|---------------------------|-----------|--------------|-----------------------|-----------|
| Buffalo | 0 | * | * | * | 0 |
| Duiker | 694 | 927 | * | 177 | 191 |
| Elephant | 500-970 | 630-1370 | * | 100-315 | 70-560 |
| Giraffe | * | 4689 | 836 | 143 | * |
| Impala | * | 2590-8490 | 270-2610 | 40-480 | * |
| Kudu | 272 | 290 | * | 95 | 173 |
| Lechwe | * | * | 160 | 0 | 0 |
| Reedbuck | * | * | 50-500 | 0 | 0 |
| Roan | * | 374 | 0 | 43 | 0 |
| Sable | * | 190-750 | 0 | 20-115 | 0 |
| Steenbok | * | * | 0 | * | 0 |
| Tsessebe | 0 | 317 | 0 | * | 0 |
| Warthog | * | 110-910 | 0 | * | 0 |
| Wildebeest | * | * | 0 | * | 0 |
| Zebra B. | * | 840 | 3837 | 44 | 1168 |
| | * | 540-1310 | 1600-9220 | 10-480 | 680-2010 |
| | * | 365 | * | * | * |
| | * | 180-740 | * | * | * |

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

Trends: Bars = numbers per 100km; lines = patrol sighting index (conservancies only)

