### Line Transects:

**Area represented = 420,000 ha.**

- Over 160 transects and a total of 2,050 km transect hours
- 14 count days
- 19 species recorded
- 85% of all sightings were within 100m of the transect line

**Count Statistics**
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- 47 transect hours
- 14 count days
- 19 species recorded
- 85% of all sightings were within 100m of the transect line

### Waterhole Counts:

**Animals per day per waterhole (2007-2018)**

**2018 Count**

<table>
<thead>
<tr>
<th>Species</th>
<th>Seen</th>
<th>Waterhole Estimate</th>
<th>Transect Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buffalo</td>
<td>384</td>
<td>**</td>
<td>**</td>
</tr>
<tr>
<td>Duiker</td>
<td>4</td>
<td>*</td>
<td>780</td>
</tr>
<tr>
<td>Elephant</td>
<td>1733</td>
<td>1573</td>
<td>1150</td>
</tr>
<tr>
<td>Gemsbok</td>
<td>55</td>
<td>110</td>
<td>320</td>
</tr>
<tr>
<td>Kudu</td>
<td>315</td>
<td>324</td>
<td>1480</td>
</tr>
<tr>
<td>Ostrich</td>
<td>3</td>
<td>*</td>
<td>70</td>
</tr>
<tr>
<td>Roan</td>
<td>207</td>
<td>155</td>
<td>670</td>
</tr>
<tr>
<td>Steenbok</td>
<td>13</td>
<td>*</td>
<td>1360</td>
</tr>
<tr>
<td>Warthog</td>
<td>89</td>
<td>89</td>
<td>290</td>
</tr>
<tr>
<td>Wildebeest</td>
<td>597</td>
<td>448</td>
<td>3750</td>
</tr>
</tbody>
</table>

*C these species are not waterhole dependent
** Transects are not undertaken in the buffalo camp

### Animals seen

**Species**

- Duiker: 53, 47, 50, 44
- Bland: 5, 2, 11, 2
- Elephant: 107, 351, 43, 68
- Gemsbok: 122, 51, 23, 17
- Giraffe: 16, 2, 4, 1
- Hartebeest: 16, 67, 3, 8
- Hyaena: 3, 1, 3, 1
- Impala: 6, 2
- Jackal BB: 6, 11, 6, 8
- Kudu: 108, 196, 33, 50
- Leopard: 2, 2
- Ostrich: 32, 16, 13, 9
- Roan: 39, 155, 10, 22
- Steenbok: 59, 61, 59, 56
- Warthog: 15, 37, 7, 15
- Wild dog: 9, 14, 2, 2
- Wildebeest: 348, 707, 30, 56

### Spoor (animals) Spoor (groups)

- Cheetah: 1, 8, 1, 6
- Hyaena: 46, 176, 42, 133
- Jackal BB: 9, 14, 8, 12
- Leopard: 6, 58, 6, 52
- Lion: 8, 17, 6, 10
- Wild dog: 29, 43, 6, 16

### Distance to animal/s (m)

- 0-50: 707
- 50-100: 155
- 100-200: 990
- 200-300: 707
- > 300: 155

### Synopsis

Line transects were started in 2017 and represent almost half of the total area of the conservancy and include most of the waterholes. The area not covered by transects has low animal densities due to reduced habitat suitability and people pressure.

Transect counts recorded 19 species and waterhole counts recorded 22.

The top 6 species in terms of sightings from both counts included elephant, wildebeest, kudu and roan antelope. Buffalo were recorded at waterholes but not in transect counts because they are confined to a camp not covered by transects.

In addition to game species all the main predator species i.e. lion, leopard, cheetah, hyena and wild dog were recorded in both counts. Based on spoor sightings in transects hyena are the most common predator, followed by leopard and wild dog.

Roan seen in 2017 and 2018, the waterhole count trends (left), are consistent with those from transect counts for most species. With the exception of elephant, estimates from waterholes are much lower than from transect counts. This is because waterhole counts are affected by the general availability of water in the landscape. Also estimates are derived from an approximation of species drinking frequency. Therefore, transect counts provide a means of deriving both better estimates and estimates for significantly more species than waterhole counts. However, it is very useful to be able to compare species trends provided by two separate counts and methods.