

# Supplement 1

15 June 2022

## Contents

<b>Search terms</b>	<b>1</b>
Aardvark.....	1
Pangolin.....	1
<b>Aardvarks</b>	<b>2</b>
Number of records from Facebook and Instagram.....	2
Number of records from each country.....	2
Where in South Africa are all the sightings (by province).....	2
Where in South Africa are all the sightings (by site).....	3
Number of alive animals.....	3
Daytime vs night-time sightings by year.....	4
Daytime vs night-time sightings by season.....	5
Number of social media posts by year.....	6
Number of drinking events.....	6
Number of predation episodes.....	7
Body condition.....	8
<b>Pangolins</b>	<b>9</b>
Number of records from Facebook and Instagram.....	9
Number of records from each country.....	9
Where in South Africa are all the sightings (by province).....	9
Where in South Africa are all the sightings (by site).....	10
Number of alive animals.....	10
Daytime vs night-time sightings by year.....	10
Daytime vs night-time sightings by season.....	12
Number of social media posts by year.....	12
Number of drinking events.....	13
Number of predation episodes.....	13
<b>Kruger sightings</b>	<b>15</b>

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## **Search terms**

### **Aardvark**

Aardvark, erdvark, earthpig, anteater, *Orycteropus*, *afes*, aardvarksafaris, aardvark sightings, aardvark photos

### **Pangolin**

Pangolin, ground pangolin, scaly anteater, ietermagog, *Smutsia*, *temminckii*, pangolinphotosafaris, pangolin safaris, pangolin photos, pangolin sightings

## Aardvarks

### Number of records from Facebook and Instagram

- All animals, dead and alive.

Table 1: (Aardvarks) Source of pictures by social media platform

source	count	total	percent
Facebook	367	680	54
Instagram	313	680	46

### Number of records from each country

- All animals, dead and alive.

Table 2: (Aardvarks) Source of pictures by country

country	count	total	percent
South Africa	571	680	84
Namibia	46	680	7
Botswana	23	680	3
Zambia	23	680	3
Malawi	5	680	1
Mozambique	4	680	1
Zimbabwe	8	680	1

### Where in South Africa are all the sightings (by province)

- All animals, dead and alive.

Table 3: (Aardvarks) Source of pictures in South Africa by province

province	count	total	percent
Northern Cape	194	571	34
Limpopo	111	571	19
Eastern Cape	101	571	18
Mpumalanga	81	571	14
Western Cape	31	571	5
Kwazulu-Natal	25	571	4
North West	16	571	3
Free State	4	571	1

Table 3: (Aardvarks) Source of pictures in South Africa by province (*continued*)

province	count	total	percent
Gauteng	8	571	1

### Where in South Africa are all the sightings (by site)

- All animals, dead and alive.

Table 4: (Aardvarks) Source of pictures in South Africa by site

area	count	total	percent
Western Cape-Other	31	571	5
Western Cape-Great Karoo	44	571	8
Northern Cape-Tswalu	146	571	26
Kalahari Reserve			
Northern Cape-Other	40	571	7
Northern Cape-Kgalagadi	8	571	1
Transfrontier Park			
North West	13	571	2
Mpumalanga-Other	5	571	1
Mpumalanga-Greater Kruger National Park	67	571	12
Limpopo-Other	91	571	16
Limpopo-Greater	1	571	0
Mapungubwe			
Transfontier Conservation Area			
Limpopo-Greater Kruger National Park	31	571	5
Kwazulu-Natal	25	571	4
Gauteng	8	571	1
Free State	4	571	1
Eastern Cape	57	571	10

### Number of alive animals

- Number of alive animals (across all countries): 627

## Daytime vs night-time sightings by year

- Across all countries.
- Alive animals only.

Table 5: (Aardvarks) Sighting by time of day and year

year	time	count	total_by_year	percent_by_year
2010	morning	0	1	0
2010	daytime (not specified)	0	1	0
2010	afternoon	0	1	0
2010	night-time	1	1	100
2011	morning	1	12	8
2011	daytime (not specified)	4	12	33
2011	afternoon	2	12	17
2011	night-time	5	12	42
2012	morning	1	31	3
2012	daytime (not specified)	7	31	23
2012	afternoon	8	31	26
2012	night-time	15	31	48
2013	morning	0	39	0
2013	daytime (not specified)	7	39	18
2013	afternoon	8	39	21
2013	night-time	24	39	62
2014	morning	0	39	0
2014	daytime (not specified)	5	39	13
2014	afternoon	6	39	15
2014	night-time	28	39	72
2015	morning	2	78	3
2015	daytime (not specified)	12	78	15
2015	afternoon	23	78	29
2015	night-time	41	78	53
2016	morning	5	126	4
2016	daytime (not specified)	27	126	21
2016	afternoon	42	126	33
2016	night-time	52	126	41
2017	morning	2	106	2
2017	daytime (not specified)	24	106	23

Table 5: (Aardvarks) Sighting by time of day and year (*continued*)

year	time	count	total_by_year	percent_by_year
2017	afternoon	23	106	22
2017	night-time	57	106	54
2018	morning	1	78	1
2018	daytime (not specified)	12	78	15
2018	afternoon	32	78	41
2018	night-time	33	78	42
2019	morning	0	117	0
2019	daytime (not specified)	32	117	27
2019	afternoon	47	117	40
2019	night-time	38	117	32

### Daytime vs night-time sightings by season

- Across all countries.
- Alive animals only.

Table 6: (Aardvarks) Sighting by time of day and season

season	time	count	total_by_season	percent_by_season
summer	morning	3	88	3
summer	daytime (not specified)	19	88	22
summer	afternoon	14	88	16
summer	night-time	52	88	59
autumn	morning	2	107	2
autumn	daytime (not specified)	19	107	18
autumn	afternoon	23	107	21
autumn	night-time	63	107	59
winter	morning	7	292	2
winter	daytime (not specified)	70	292	24
winter	afternoon	116	292	40
winter	night-time	99	292	34
spring	morning	0	140	0
spring	daytime (not specified)	22	140	16
spring	afternoon	38	140	27
spring	night-time	80	140	57

Table 6: (Aardvarks) Sighting by time of day and season (*continued*)

season	time	count	total_by_season	percent_by_season
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### Number of social media posts by year

- Across all countries.
- All animals, dead and alive.

Table 7: (Aardvarks) Social media posts by year

year	count
2010	1
2011	13
2012	32
2013	43
2014	46
2015	91
2016	129
2017	118
2018	89
2019	118

### Number of drinking events

- Across all countries.
- Alive animals only.

Table 8: (Aardvarks) Sighting of drinking events by month

month	drinking
Jan	5
Feb	2
Mar	2
Apr	4
May	1
Jun	1
Jul	4
Aug	6
Sep	3
Oct	3

Table 8: (Aardvarks) Sighting of drinking events by month (*continued*)

month	drinking
Nov	1
Dec	0

## Number of predation episodes

- Across all countries

Table 9: (Aardvarks) Predation events by predator and by month

month	predator	count	total_per_month
Jan	lion	0	2
Jan	leopard	2	2
Jan	hyena	0	2
Feb	lion	0	1
Feb	leopard	1	1
Feb	hyena	0	1
Mar	lion	1	7
Mar	leopard	6	7
Mar	hyena	0	7
Apr	lion	0	4
Apr	leopard	4	4
Apr	hyena	0	4
May	lion	0	3
May	leopard	3	3
May	hyena	0	3
Jun	lion	0	7
Jun	leopard	7	7
Jun	hyena	0	7
Jul	lion	3	7
Jul	leopard	4	7
Jul	hyena	0	7
Aug	lion	0	5
Aug	leopard	3	5
Aug	hyena	2	5
Sep	lion	0	6
Sep	leopard	6	6
Sep	hyena	0	6
Oct	lion	0	0
Oct	leopard	0	0
Oct	hyena	0	0



Table 9: (Aardvarks) Predation events by predator and by month (*continued*)

month	predator	count	total_per_month
Nov	lion	1	4
Nov	leopard	3	4
Nov	hyena	0	4
Dec	lion	1	5
Dec	leopard	4	5
Dec	hyena	0	5

### Body condition

- Across all countries
- Alive animals only

Table 10: Summary: Time of day

Time of day	N = 481
Daytime	268 (56%)
Night-time	213 (44%)

Table 11: Summary: Body condition

Body condition	N = 481
Good	306 (64%)
Poor	175 (36%)

Table 12: Cross-tabulation: Time of day and body condition

Time of Day	Good condition (N = 306)	Poor condition (N = 175)
Daytime	114 (37%)	154 (88%)
Night-time	192 (63%)	21 (12%)

Table 13: Aardvark body condition scoring system (adapted from Russel, 1991; Thompson & Meyer, 1994).

Score	Body condition characteristics
1	emaciated, severely underconditioned (hip bones, spine processes and small ribs well visible)
2	thin (hip bones and spine processes fairly visible)
3	ideal / average (defined muscles)
4	fat (muscles covered with fat layer)

## Pangolins

### Number of records from Facebook and Instagram

- All animals, dead and alive.

Table 13: (Pangolins) Source of pictures by social media platform

source	count	total	percent
Instagram	529	794	67
Facebook	265	794	33

### Number of records from each country

- All animals, dead and alive.

Table 14: (Pangolins) Source of pictures by country

country	count	total	percent
South Africa	673	794	85
Botswana	31	794	4
Namibia	34	794	4
Mozambique	19	794	2
Zambia	19	794	2
Zimbabwe	13	794	2
Malawi	5	794	1

### Where in South Africa are all the sightings (by province)

- All animals, dead and alive.

Table 15: (Pangolins) Source of pictures in South Africa by province

province	count	total	percent
Northern Cape	337	673	50
Mpumalanga	229	673	34
Limpopo	92	673	14
North West	15	673	2

## Where in South Africa are all the sightings (by site)

- All animals, dead and alive.

Table 16: (Pangolins) Source of pictures in South Africa by site

area	count	total	percent
Northern Cape-Tswalu Kalahari Reserve	316	673	47
Northern Cape-Other	8	673	1
Northern Cape-Kgalagadi Transfrontier Park	13	673	2
North West	15	673	2
Mpumalanga-Greater Kruger National Park	229	673	34
Limpopo-Other	32	673	5
Limpopo-Greater Kruger National Park	60	673	9

## Number of alive animals

- Number of alive animals (across all countries): 766

## Daytime vs night-time sightings by year

- Across all countries.
- Alive animals only.

Table 17: (Pangolins) Sighting by time of day and year

year	time	count	total_by_year	percent_by_year
2010	morning	0	3	0
2010	daytime (not specified)	1	3	33
2010	afternoon	1	3	33
2010	night-time	1	3	33
2011	morning	1	14	7
2011	daytime (not specified)	1	14	7
2011	afternoon	7	14	50
2011	night-time	5	14	36
2012	morning	0	19	0

Table 17: (Pangolins) Sighting by time of day and year (*continued*)

year	time	count	total_by_year	percent_by_year
2012	daytime (not specified)	10	19	53
2012	afternoon	7	19	37
2012	night-time	2	19	11
2013	morning	5	46	11
2013	daytime (not specified)	18	46	39
2013	afternoon	11	46	24
2013	night-time	12	46	26
2014	morning	2	33	6
2014	daytime (not specified)	5	33	15
2014	afternoon	18	33	55
2014	night-time	8	33	24
2015	morning	6	65	9
2015	daytime (not specified)	18	65	28
2015	afternoon	24	65	37
2015	night-time	17	65	26
2016	morning	10	149	7
2016	daytime (not specified)	28	149	19
2016	afternoon	77	149	52
2016	night-time	34	149	23
2017	morning	10	133	8
2017	daytime (not specified)	26	133	20
2017	afternoon	54	133	41
2017	night-time	43	133	32
2018	morning	5	148	3
2018	daytime (not specified)	42	148	28
2018	afternoon	55	148	37
2018	night-time	46	148	31
2019	morning	11	156	7
2019	daytime (not specified)	49	156	31
2019	afternoon	63	156	40
2019	night-time	33	156	21

## Daytime vs night-time sightings by season

- Across all countries.
- Alive animals only.

Table 18: (Pangolins) Sighting by time of day and season

season	time	count	total_by_season	percent_by_season
summer	morning	12	124	10
summer	daytime (not specified)	32	124	26
summer	afternoon	43	124	35
summer	night-time	37	124	30
autumn	morning	12	144	8
autumn	daytime (not specified)	36	144	25
autumn	afternoon	57	144	40
autumn	night-time	39	144	27
winter	morning	15	292	5
winter	daytime (not specified)	86	292	29
winter	afternoon	127	292	43
winter	night-time	64	292	22
spring	morning	11	206	5
spring	daytime (not specified)	44	206	21
spring	afternoon	90	206	44
spring	night-time	61	206	30

## Number of social media posts by year

- Across all countries.
- All animals, dead and alive.

Table 19: (Pangolins) Social media posts by year

year	count
2010	3
2011	14
2012	19
2013	49
2014	35
2015	67

Table 19: (Pangolins) Social media posts by year (*continued*)

year	count
2016	154
2017	140
2018	150
2019	163

### Number of drinking events

- Across all countries.
- Alive animals only.

Table 20: (Pangolins) Sighting of drinking events by month

month	drinking
Jan	0
Feb	0
Mar	0
Apr	0
May	2
Jun	0
Jul	0
Aug	0
Sep	1
Oct	2
Nov	1
Dec	1

### Number of predation episodes

- Across all countries

Table 21: (Pangolins) Predation events by predator and by month

month	predator	count	total_per_month
Jan	lion	5	5
Jan	leopard	0	5
Jan	hyena	0	5
Feb	lion	0	0
Feb	leopard	0	0
Feb	hyena	0	0

Table 21: (Pangolins) Predation events by predator and by month (*continued*)

month	predator	count	total_per_month
Mar	lion	2	3
Mar	leopard	1	3
Mar	hyena	0	3
Apr	lion	2	2
Apr	leopard	0	2
Apr	hyena	0	2
May	lion	1	2
May	leopard	1	2
May	hyena	0	2
Jun	lion	1	2
Jun	leopard	1	2
Jun	hyena	0	2
Jul	lion	3	4
Jul	leopard	0	4
Jul	hyena	1	4
Aug	lion	4	4
Aug	leopard	0	4
Aug	hyena	0	4
Sep	lion	0	1
Sep	leopard	1	1
Sep	hyena	0	1
Oct	lion	3	4
Oct	leopard	1	4
Oct	hyena	0	4
Nov	lion	1	1
Nov	leopard	0	1
Nov	hyena	0	1
Dec	lion	0	0
Dec	leopard	0	0
Dec	hyena	0	0



# Kruger sightings

- Growth in Facebook membership on Kruger Sightings.

