

MAMMAL SPECIES INVENTORY



CAMDEBOO NATIONAL PARK
Report 1: February 2019 to October 2019
SnapshotSafari
Jan A Venter & Lain E. Pardo

Mammal species inventory

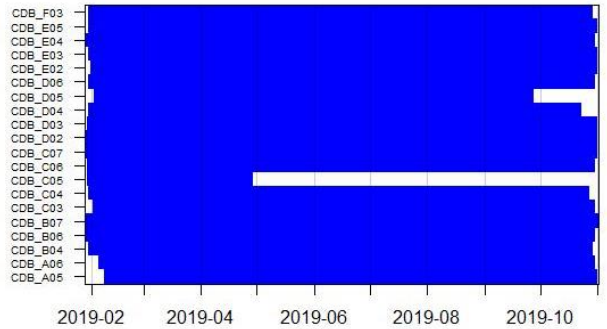
Common Name	Scientific Name	Scientific Authorship	Guild Realm	Order	Family	Regional Listing	Global Listing	CITES
Aardvark/Antbear	<i>Orycteropus afer</i>	(Pallas, 1766)	Carnivore	Tubulidentata	Orycteropodi	Least Concern	Least Concern (2015)	
Aardwolf	<i>Proteles cristata</i>	(Sparrman, 1783)	Carnivore	Carnivora	Hyaenidae	Least Concern	Least Concern (2015)	III (Botswana) (1978)
Baboon (Chacma)	<i>Papio ursinus</i>	(Kerr, 1792)	Omnivore	Primates	Cercopithecio	Least Concern	Least Concern (2008)	II (1977)
Blesbok	<i>Damaliscus pygargus phillipsi</i>	(Harper 1939)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern	
Buffalo (Savanna)	<i>Syncerus caffer</i>	(Sparrman, 1779)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern (2008)	
Bushpig	<i>Potamochoerus larvatus</i>	(Cuvier, 1822)	Omnivore	Artiodactyla	Suidae	Least Concern	Least Concern (2016)	
Caracal	<i>Caracal caracal</i>	(Schreber, 1776)	Carnivore	Carnivora	Felidae	Least Concern	Least Concern (2016)	II (1979)
Duiker (Common)	<i>Sylvicapra grimmia</i>	(Linnaeus, 1758)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern (2016)	
Eland	<i>Tragelaphus oryx</i>	(Pallas, 1766)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern (2008)	
fallow deer	<i>Dama dama</i>	(Linnaeus, 1758)	Herbivore	Artiodactyla	Cervidae	Least Concern	Least Concern	*nonndigenous
Gemsbok/Oryx	<i>Oryx gazella</i>	(Linnaeus, 1758)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern (2016)	
Genet (Small Spotted)	<i>Genetta genetta</i>	(Linnaeus, 1758)	Carnivore	Carnivora	Viverridae	Least Concern	Least Concern (2015)	
Hare (Scrub)	<i>Lepus saxatilis</i>	Linnaeus, 1758	Herbivore	Lagomorpha	Leporidae	Least Concern	Least Concern (2008)	
Hare (Spring)	<i>Pedetes capensis</i>	(Forster 1778)	Herbivore	Rodentia	Pedetidae	Least Concern	Least Concern (2016)	
Hartebeest (Red)	<i>Alcelaphus buselaphus</i>	(Pallas, 1766)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern (2016)	
Honey Badger	<i>Mellivora capensis</i>	(Schreber, 1776)	Carnivore	Carnivora	Mustelidae	Least Concern	Least Concern (2016)	III (Botswana) (1978)
Hyaena (Brown)	<i>Parahyaena brunnea</i>	Thunberg, 1820	Carnivore	Carnivora	Hyaenidae	Near Threatene	Near Threatened (2015) [C1]	
Jackal (Black-backed)	<i>Canis mesomelas</i>	(Schreber, 1775)	Omnivore	Carnivora	Canidae	Least Concern	Least Concern (2014)	
Klipspringer	<i>Oreotragus oreotragus</i>	(Zimmermann, 1783)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern (2016)	
Kudu	<i>Tragelaphus strepsiceros</i>	(Pallas, 1766)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern (2008)	
Meerkat/Suricate	<i>Suricata suricatta</i>	(Schreber, 1776)	Carnivore	Carnivora	Herpestidae	Least Concern	Least Concern (2015)	
Mongoose (Marsh)	<i>Atilax paludinosus</i>	(G. Baron Cuvier 1827)	Carnivore	Carnivora	Herpestidae	Least Concern	Least Concern	
Mongoose (Yellow)	<i>Cynictis penicillata</i>	(G. Baron Cuvier 1829)	Carnivore	Carnivora	Herpestidae	Least Concern	Least Concern	
Monkey (Vervet)	<i>Chlorocebus pygerythrus</i>	(Cuvier, 1821)	Omnivore	Primates	Cercopithecio	Least Concern	Least Concern (2008)	II (1977)
Zorilla/Polecat (Striped)	<i>Ictonyx striatus</i>	(Perry 1810)	Carnivore	Carnivora	Mustelidae	Least Concern	Least Concern	
Porcupine	<i>Hystrix africae australis</i>	(Peters, 1852)	Herbivore	Rodentia	Hystricidae	Least Concern	Least Concern (2016)	
Rabbit (Redrock)	<i>Pronolagus rupestris</i>	(A. Smith 1834)	Herbivore	Lagomorpha	Leporidae	Least Concern	Least Concern	
Reedbuck (Mountain)	<i>Redunca fulvorufula</i>	(Afzelius, 1815)	Herbivore	Artiodactyla	Bovidae	Endangered [A2]	Least Concern (2008)	
Dassie/Rock Hyrax	<i>Procavia capensis</i>	(Pallas 1766)	Herbivore	Hyracoidea	Procaviidae	Least Concern	Least Concern	
Springbok	<i>Antidorcas marsupialis</i>	(Zimmerman 1780)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern	
Steenbok	<i>Raphicerus campestris</i>	(Thunberg, 1811)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern (2016)	
Wildebeest (Black)	<i>Connochaetes gnou</i>	(Zimmermann 1780)	Herbivore	Artiodactyla	Bovidae	Least Concern	Least Concern	
Zebra (Mountain)	<i>Equus zebra</i>	(Linnaeus 1758)	Herbivore	Perissodactyla	Equidae	Vulnerable	Vulnerable	

SnapshotSafari is a transnational program aiming at providing a greater knowledge about mammal populations across southern Africa. Thanks to standardized **camera traps** (CTs) grid, deployed in various locations reflecting a diversity of conservation states (from protected areas to highly transformed areas), SnapshotSafari aims at describing mammal population **abundances**, diversities and **spatial occurrences**. The data provided will benefit Research, in fields as broad as Genetics, Ecology or conservation Biology, as well by providing to conservation planning a comprehensive synthesis of which species can be found in their location, with which abundance...etc.

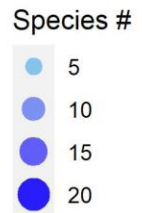
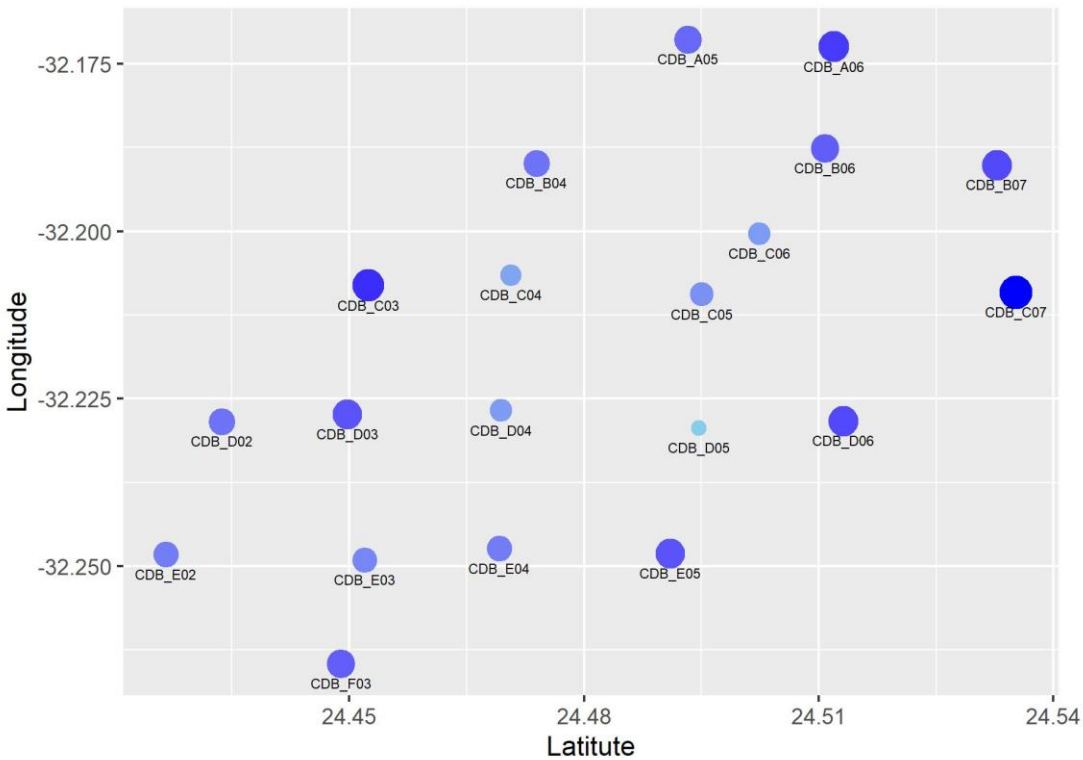


Camera trap operational time

The project is coordinated in South Africa by Nelson by Mandela University's **Wildlife Ecology Lab**. The images collected by the CTs (as much as thousands per site) are sent to the United States (**University of Minnesota**) to be processed via a **participative science platform** (Zooniverse) and **machine learning** (a popular IT field that allows automatized recognition of elements in an image, for instance antelopes in a landscape photo).



General statistics

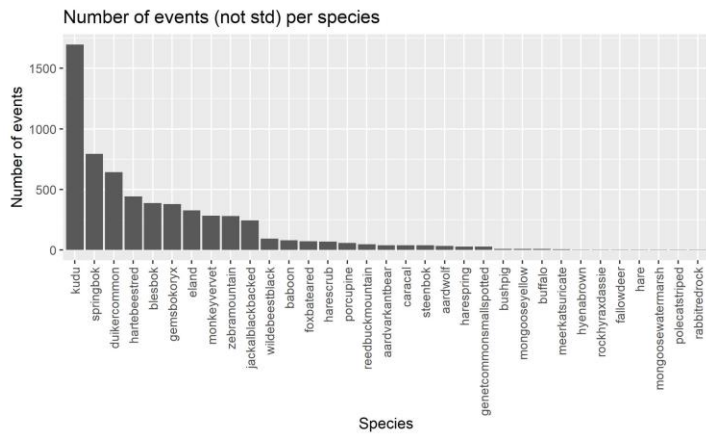
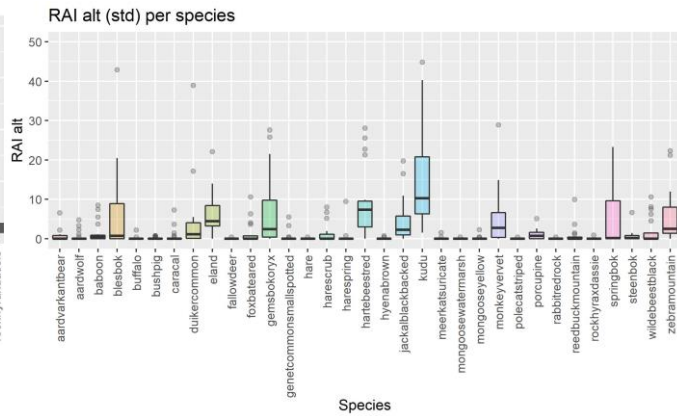
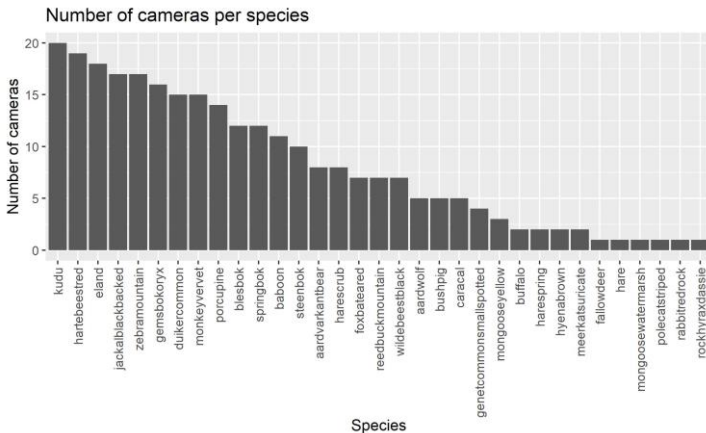


Species richness per camera trap

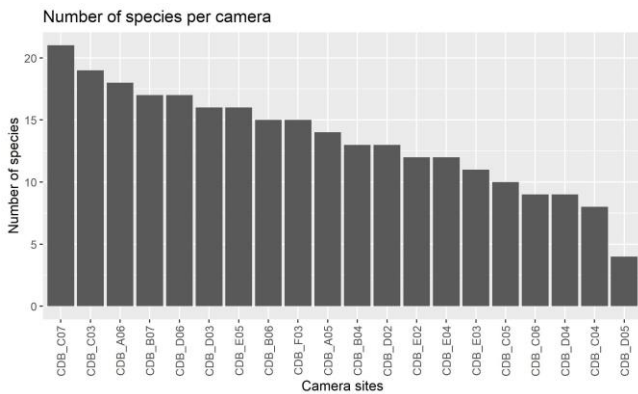
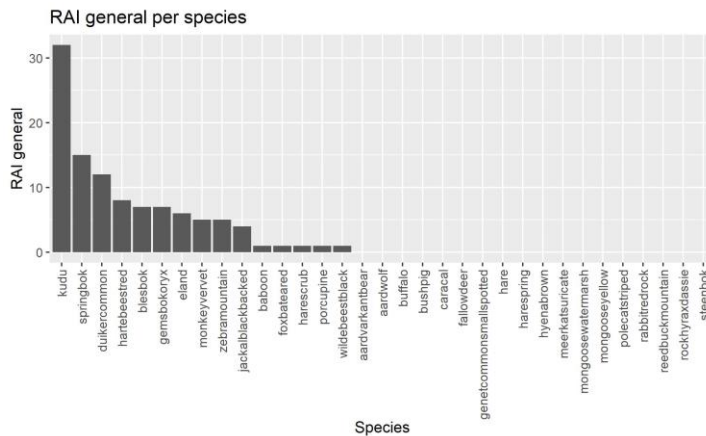
Camera trap operational detail

Camera.Site	setup_date	first_image_date	last_image_date	retrieval_date	n_nights_total	n_nights_active
CDB_A05	2019-02-09	2019-02-10	2019-11-01	2019-10-31	264	264
CDB_A06	2019-02-06	2019-02-07	2019-10-31	2019-10-30	266	266
CDB_B04	2019-02-01	2019-02-02	2019-10-30	2019-10-29	270	270
CDB_B06	2019-01-30	2019-01-31	2019-10-31	2019-10-30	273	273
CDB_B07	2019-01-30	2019-01-31	2019-11-02	2019-11-01	275	275
CDB_C03	2019-02-03	2019-02-04	2019-10-31	2019-10-30	269	269
CDB_C04	2019-02-01	2019-02-02	2019-10-28	2019-10-27	268	268
CDB_C05	2019-01-31	2019-02-01	2019-04-30	2019-04-29	88	88
CDB_C06	2019-01-31	2019-02-01	2019-10-31	2019-10-30	272	272
CDB_C07	2019-01-30	2019-01-31	2019-11-01	2019-10-31	274	274
CDB_D02	2019-01-30	2019-01-31	2019-11-01	2019-10-31	274	274
CDB_D03	2019-01-31	2019-02-01	2019-11-01	2019-10-31	273	273
CDB_D04	2019-02-01	2019-02-02	2019-10-24	2019-10-23	264	264
CDB_D05	2019-02-04	2019-02-05	2019-09-28	2019-09-27	235	235
CDB_D06	2019-02-01	2019-02-02	2019-10-31	2019-10-30	271	271
CDB_E02	2019-02-02	2019-02-03	2019-11-01	2019-10-31	271	271
CDB_E03	2019-02-01	2019-02-02	2019-11-01	2019-10-31	272	272
CDB_E04	2019-01-30	2019-01-31	2019-10-31	2019-10-30	273	273
CDB_E05	2019-02-01	2019-02-02	2019-11-01	2019-10-31	272	272
CDB_F03	2019-02-01	2019-02-02	2019-10-30	2019-10-29	270	270

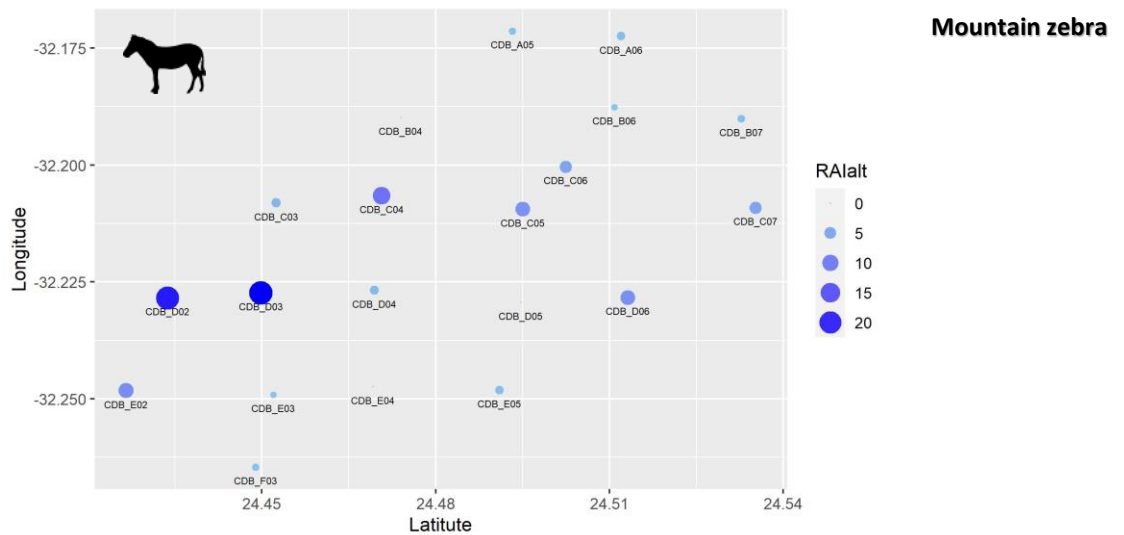
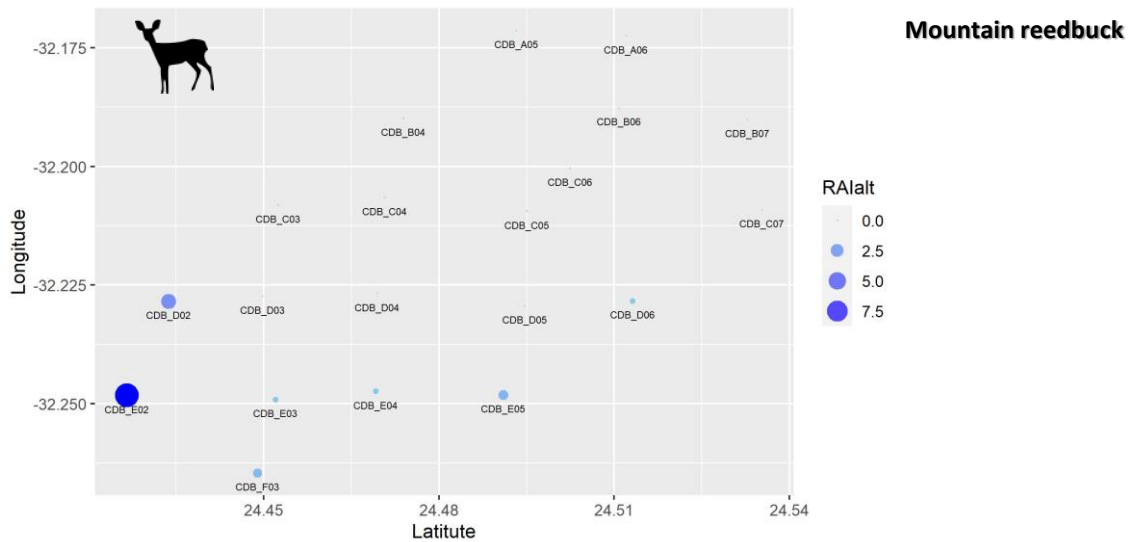
General statistics



Relative Abundance Index (RAI) is calculated according to the trapping rate of each camera (i.e. the frequency of animal detection).



RAI of species of special concern



This project was funded by the National Research Foundation Foundational Biodiversity Information Programme - Grant nr FBIP170720256205.

How to cite this inventory:

Venter, Jan; Pardo, Lain (2021), "Mammal Species Inventory – Camdeboo National Park: Report 1 - February 2019 to October 2019 ", Mendeley Data, V1, doi: 10.17632/cbrw7bhw.1

References:

Skinner, J.D., Chimimba, C.T., 2005. *The Mammals of the Southern African Sub-region*, 3rd ed. Cambridge University Press.

<https://doi.org/10.1017/CBO9781107340992>

Oliver R. Wearn & Paul Glover-Kapfer. 2017. *Camera trapping for conservation: a guide to best-practices*,

WWF Conservation Technology Series 1(1). WWF-UK, Woking, United Kingdom.

Mammal RedList 2016, <https://www.ewt.org.za/resources/resources-mammal-red-list/>