

Supplemental Information: **“Although elephants bring problems, they also bring benefits:” The complexities of human-wildlife coexistence**

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Supplemental Information

A list of wildlife species mentioned in interviews with local Bemba, common English, Latin Names, and IUCN status is provided in supporting information (Appendix S1) along with an image of select wildlife image cards used for pile sorting (Appendix S2), and a table of trophy permit fees (Appendix S3). The full species list for salience scores for likes and dislikes (Appendix S4) and beneficial and harmful (Appendix S5) is available online. The authors are solely responsible for the content and functionality of these materials. Queries (other than absence of the materials) should be directed at the corresponding author.

Appendix S1

List of wildlife in the order they were first mentioned in interviews with local Bemba names, common English names, other common names when relevant, Latin names, and IUCN status.

Common Name	Latin Name	Family	IUCN status	Other names	Bemba name
Elephant	<i>Loxodonta africana</i>	Elephantidae	Vulnerable		Insofu
Duiker ¹	<i>Sylvicapra grimmia</i>	Bovidae	Least concern		Impombo
Buffalo	<i>Syncerus caffer</i>	Bovidae	Near threatened		Imboo
Zebra	<i>Equus quagga</i>	Equidae	Least concern		Cholwa
Rhinoceros ¹	<i>Diceros bicornis</i>	Rhinocerotidae	Critically endangered	Rhino	Chipembele
Warthog	<i>Phacochoerus africanus</i>	Suidae	Least concern		Mungiri
Lion	<i>Panthera leo</i>	Felidae	Vulnerable		Inkalamo
Hippopotamus	<i>Hippopotamus amphibius</i>	Hippopotamidae	Vulnerable	Hippo	Infubu
Kudu	<i>Tragelaphus strepsiceros</i>	Bovidae	Least concern		Impulupulu
Bushbuck	<i>Tragelaphus scriptus</i>	Bovidae	Least concern		Chisongo
Impala	<i>Aepyceros melampus</i>	Bovidae	Least concern		Impala
Grysbok	<i>Raphicerus melanotis</i>	Bovidae	Least concern		Katili
Hare ¹		Leporidae			Kalulu
Roan	<i>Hippotragus equinus</i>	Bovidae	Least concern		Insansala
Bushpig	<i>Potamochoerus larvatus</i>	Suidae	Least concern		Kapoli
Monkey ^{1 2}		Cercopithecidae			Kolwe
Giraffe	<i>Giraffa camelopardalis</i>	Giraffidae	Vulnerable		Indiambuluba
Eland	<i>Taurotragus oryx</i>	Bovidae	Least concern		Insefu
Leopard	<i>Panthera pardus</i>	Felidae	Vulnerable		Imbwili
Porcupine	<i>Hystrix africaeaustralis</i>	Hystriidae	Least concern		Inungi
Sitatunga	<i>Tragelaphus spekei</i>	Bovidae	Least concern		Imbashi
Wild dog	<i>Lycaon pictus</i>	Canidae	Endangered	Painted Dog	Umumbulu
Hartebeest	<i>Alcelaphus buselaphus</i>	Bovidae	Least concern	Kongoni	Inkonshi
Aardvark	<i>Orycteropus afer</i>	Orycteropodidae	Least concern		Inengo
Hyena ¹	<i>Crocuta crocuta</i>		Least concern		Chimbwi



Puku	<i>Kobus vardoni</i>	Bovidae	Near-threatened		Insebula
Sable	<i>Hippotragus niger</i>	Bovidae	Least concern		Impelembe
Waterbuck	<i>Kobus ellipsiprymnus</i>	Bovidae	Least concern		Chuswe
Crocodile	<i>Crocodylus niloticus</i>	Crocodylidae	Least concern		Ingwena
Genet	<i>Geneta genetta</i>	Viveridae	Least concern		Inshimba
Squirrel ¹		Sciuridae			Akapale
Wildebeest	<i>Connochaetes taurinus</i>	Bovidae	Least concern	Gnu	Inyumbu
Mole ¹	<i>Tachyoryctes spp.</i>	Rhizomyidae			Infuko
Elephant shrew		Macroscelidae	Least concern	Sengi	Tondo
Baboon ¹	<i>Papio cynocephalus</i>	Cercopithecidae	Least concern		Kolwe
Lechwe	<i>Kobus leche</i>	Bovidae	Near-threatened		Inja
Civet	<i>Civettictis civetta</i>	Viveridae	Least concern		Imfungo
Kangaroo	<i>Macropus rufus</i> <i>Aonyx capensis</i> or <i>Lutra maculicollis</i>	Macropodidae	Least concern		n/a
Otter ¹		Mustelidae	Near threatened		Mumpanda
Banded mongoose	<i>Mungos mungo</i>	Mustelidae	Least concern		Koote
Slender mongoose	<i>Herpestes sanguinea</i>	Mustelidae	Least concern		Icisaka nenga
Honey badger	<i>Mellivora capensis</i> <i>Canis adustus</i> or <i>Canis mesomelas</i>	Mustelidae	Least concern		Chibuli
Jackal		Canidae	Least concern		Ulubwabwa
Snake ¹					Nsoka
Monitor Lizard ¹	<i>Varanus niloticus</i>	Varanidae	Least concern		Insamba
Cane rat ¹	<i>Thyromys spp.</i>	Thyromidae	Least concern		Insenchi
Rat ¹		Muridae			Koswe
Bat-eared fox	<i>Otocyon megalotis</i>	Canidae	Least concern		Mumbwe
Black lizard					Imbuulu
Cheetah	<i>Acinonyx jubatus</i> <i>Otolemur crassicaudatus</i> / <i>Galago moholi</i>	Felidae	Vulnerable		Ulubwabwa
Bushbaby ¹		Galagonidae	Least concern	Galago	Changa
Chameleon	<i>Loxodonta africana</i>	Chamaeleonidae	Vulnerable		Fulunyemba or Icikankatika
Birds of prey	<i>Sylvicapra grimmia</i>		Least concern		Ichuni
Owl	<i>Syncerus caffer</i>	Strigidae	Near threatened		Ichipululu



Appendix S2

Image of some laminated cards used in pile sorting activities.





Appendix S3

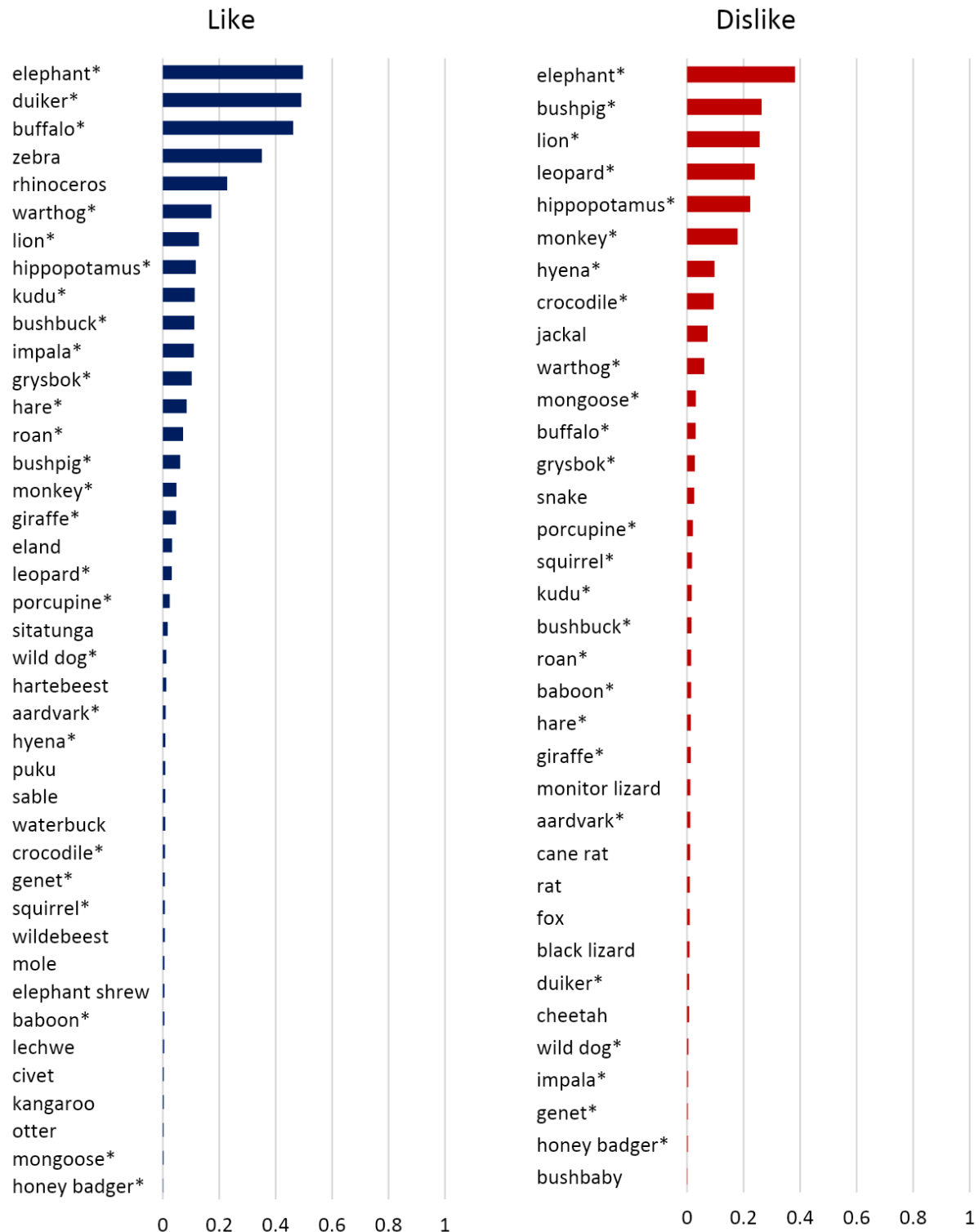
Relative wildlife hunting permit costs and number of species killed by hunting concessions in Mukungule Game Management Area in 2022. Note 50 percent of the permit fees are paid to the government and 50 percent of the government portion is to be distributed to the Mukungule community resource board.

Species	Permit Cost	Number hunted in 2022
Elephant	\$10000	4
Lion	\$4200	2
Buffalo	\$1600	4
Leopard	\$2650	2
Eland	\$1500	3
Sable	\$3000	1
Waterbuck	\$840	1



Appendix S4

Likes and dislikes- This shows the salience (a combination of the frequency that participants mentioned the animal in free-listing and the rank or how early in the free-listing they listed the animal) of likes (in blue) and dislikes (in red) for all free-listed species. Asterisks denote species that were included on both likes and dislike lists by different participants (lists were mutually exclusive).





Appendix S5

Beneficial and harmful wildlife- The salience scores for wildlife species that were listed as beneficial (in blue on the left) and harmful (in red on the right). Asterisks indicate species that were listed as beneficial and harmful by either the same or different participants (lists were not mutually exclusive).

