

Temporal evolution of bushmeat traded in High Niger National Park, Guinea, West Africa

LUCIE DUONAMOU, ALEXANDRE KONATE, JILIANG XU and TATYANA HUMLE

SUPPLEMENTARY TABLE 1 Bushmeat market data sorted by family, with the number of species, carcasses and total biomass for sale, in the urban center of Faranah recorded by Ziegler (1996) in 1994, 1995, 1996, Konate & Humle (2015) in 2011 and this study in 2017.

FAMILY	Number of species					Number of carcasses					Biomass (kg)				
	1994	1995	1996	2011	2017	1994	1995	1996	2011	2017	1994	1995	1996	2011	2017
Birds															
Accipitridae	0	0	0	2	0	0	0	0	2	0	0	0	0	13	0
Numididae	0	0	0	1	1	0	0	0	1	4	0	0	0	0	4
Mammals															
Bovidae	6	7	7	6	4	132	190	296	70	60	3449	8320	9410	3336	2735
Canidae	0	0	0	2	1	0	0	0	2	2	0	0	0	20	20
Cercopithecidae	2	2	2	4	3	25	60	161	95	146	474	1187	3051	587	917
Felidae	1	1	1	0	0	14	29	34	0	0	280	580	680	0	0
Herpestidae	0	0	0	1	0	0	0	0	1	0	0	0	0	4	0
Hystricidae	1	1	1	2	1	9	13	10	5	5	189	273	210	87	105
Leporidae	1	1	1	0	0	4	7	6	0	0	8	14	12	0	0
Manidae	0	0	1	0	0	0	0	3	0	0	0	0	96	0	0
Nesomyidae	0	0	0	0	1	0	0	0	0	4	0	0	0	0	4
Orycteropodidae	0	0	1	0	0	0	0	1	0	0	0	0	65	0	0
Suidae	1	1	1	2	2	1	23	2	7	16	65	1495	130	485	1055
Thryonomyidae	1	1	1	1	1	63	129	134	11	9	441	903	938	77	63
Reptiles															
Pythonidae	0	0	0	1	0	0	0	0	1	0	0	0	0	85	0
Varanidae	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0
<i>Total</i>	13	14	16	23	14	248	451	647	196	246	4906	12772	14592	4695	4903

SUPPLEMENTARY TABLE 2 Bushmeat market data sorted by family, with the number of species, carcasses and total biomass for sale, recorded in rural areas by Brugiere & Magassouba (2009) in 2001, Konate & Humle (2015) in 2011 and this study in 2017.

Family	Number of species			Number of carcasses			Biomass (kg)		
	2001	2011	2017	2001	2011	2017	2001	2011	2017
Birds									
Numididae	1	0	1	4	0	10	4	0	10
Phasianidae	0	0	1	0	0	4	0	0	2
Mammals									
Bovidae	6	6	7	266	190	268	5802	6948	9716
Canidae	0	1	2	0	3	14	0	30	140
Cercopithecidae	4	5	5	86	73	163	1191	495	1130
Galagidae	0	0	1	0	0	3	0	0	1
Herpestidae	0	2	2	0	4	17	0	9	13
Hominidae	1	0	0	1	0	0	60	0	0
Hystriidae	2	2	2	12	25	44	180	363	744
Leporidae	1	1	1	2	4	28	4	8	56
Manidae	0	2	1	0	3	7	0	66	224
Mustelidae	0	0	1	0	0	1	0	0	10
Nandiniidae	0	0	1	0	0	10	0	0	20
Nesomyidae	0	1	1	0	40	82	0	40	82
Orycteropodidae	1	0	0	1	0	0	65	0	0
Sciuridae	0	1	1	0	4	14	0	3	10
Suidae	1	2	2	4	15	33	320	1110	2535
Thryonomyidae	1	1	1	77	162	181	539	1134	1267
Viverridae	0	2	1	0	6	13	0	42	26
Reptiles									
Crocodylidae	0	0	1	0	0	3	0	0	150
Pythonidae	1	1	1	6	2	3	510	170	255
Varanidae	0	0	2	0	0	17	0	0	13
Viperidae	1	0	1	3	0	1	19.5	0	7
<i>Total</i>	20	27	36	462	531	916	8694.5	10418	16411

SUPPLEMENTARY TABLE 3 Species and the number of carcasses recorded by study area in 2011 (Humble & Konate, 2015) and 2017 (this study).

Family	Scientific Name	Common name (C: Carnivore; P: Pest, i.e. crop-forager)	Red List Status ¹	2011 ²				2017 ²			
				Si	Ma	Ko	Fa	Si	Ma	Ko	Fa
Birds											
Accipitridae	<i>Gyps africanus</i>	White-backed vulture	CR	0	0	0	1	0	0	0	0
	<i>Gyps rueppellii</i>	Rueppell's griffon vulture	CR	0	0	0	1	0	0	0	0
Numididae	<i>Guttera pucherani verreauxi</i>	Crested Guineafowl (P)	LC	0	0	0	0	8	0	2	4
Phasianidae	<i>Perdix perdix</i>	Partridge (P)	LC	0	0	0	1	3	0	1	0
Mammals											
Bovidae											
	<i>Alcelaphus buselaphus</i>	Hartebeest	LC	0	1	0	1	0	2	0	0
	<i>Cephalophus maxwelli</i>	Blue duiker	LC	14	10	20	3	21	23	14	5
	<i>Cephalophus sulvicultror</i>	Yellow-backed duiker	NT	4	4	7	3	4	7	10	2
	<i>Cephalophus rufilatus</i>	Red-flanked duiker	LC	20	11	20	21	29	25	18	12
	<i>Kobus ellipsiprymnus</i>	Waterbuck	LC	0	0	0	4	0	1	0	0
	<i>Kobus kob</i>	Kobus kob	LC	0	0	0	0	0	1	0	0
	<i>Syncerus caffer</i>	African buffalo	LC	0	1	0	0	0	0	0	0
	<i>Tragelaphus scriptus</i>	Bushbuck	LC	36	17	25	38	35	34	44	41
Canidae											
	<i>Canis adustus</i>	Side-striped jackal (C)	LC	2	1	0	1	1	11	0	2
	<i>Canis aureus</i>	Golden jackal (C)	LC	0	0	0	1	0	2	0	0
Cercopithecidae											
	<i>Cercopithecus spp</i>	Guenon species (P)		0	2	0	1	0	3	1	0
	<i>Chlorocebus sabaeus</i>	Green monkey (P)	LC	29	20	7	84	39	57	9	8
	<i>Colobus polykomos</i>	King colobus (P)	VU	0	1	0	0	0	11	0	0
	<i>Erythrocebus patas</i>	Patas monkey (P)	LC	0	8	3	9	6	16	16	27
	<i>Papio cynocephalus anubis</i>	Baboon (P)	LC	0	0	3	1	0	5	0	1
Galagidae											
	<i>Galago senegalensis</i>	Lesser Bushbaby	LC	0	0	0	0	0	3	0	0
Herpestidae											
	<i>Crossarchus obscurus</i>	Common kusimance (C)	LC	0	0	0	0	3	5	0	0
	<i>Herpestes sanguinea</i>	Slender mongoose (C)	LC	2	0	0	0	0	9	0	0
	<i>Ichneumia albicauda</i>	White-tailed mongoose (C)	LC	0	0	2	1	0	0	0	0
Hystricidae											
	<i>Atherurus africanus</i>	African Brush-Tailed Porcupine (P)	LC	1	8	0	1	0	10	0	0
	<i>Hystrix cristata</i>	Crested porcupine (P)	LC	2	8	6	4	6	18	10	5
Leporidae											
	<i>Lepus saxatilis</i>	Scrub hare (P)	LC	0	2	2	0	1	24	3	0
Manidae											
	<i>Manis gigantea</i>	Giant pangolin	VU	0	2	0	0	3	4	0	0
	<i>Manis tricuspis</i>	Tree pangolin	VU	1	0	0	0	0	0	0	0
Mustilidae											
	<i>Mellivora capensis</i>	Honey badger	LC	0	0	0	0	0	1	0	0
Nandiniidae											
	<i>Nandinia binotata</i>	African palm civet	LC	0	0	0	0	0	6	4	0
Nesomyidae											
	<i>Cricetomys gamianus</i>	Gambian pouched rat (P)	LC	21	6	13	0	15	19	48	4
Sciuridae											
	<i>Euxerus erythropus</i>	Striped ground squirrel	LC	4	0	0	0	1	12	1	0
Suidae											
	<i>Phacochoerus africanus</i>	Warthog (P)	LC	0	5	1	5	3	4	0	15
	<i>Potamochoerus porcus</i>	Red river hog (P)	LC	5	3	1	2	5	16	5	1

Thryonomyid ae	<i>Trynomys swinderianus</i>	Greater cane rat (P)	LC	10 3	30	29	11	62	43	76	9
Viverridae	<i>Civettictis civetta</i>	African civet (C)	LC	1	0	1	0	0	0	0	0
	<i>Genetta sp.</i>	Genet species (C)	LC	0	4	0	0	0	13	0	0
Reptiles											
Crocodylidae	<i>Osteolaemus tetraspis</i>	African caiman/dwarf crocodile	VU	0	0	0	0	1	2	0	0
Pythonidae	<i>Python sebae</i>	African rock python		0	1	1	1	3	0	0	0
Varanidae	<i>Varanus exanthematicus</i>	Savanna monitor	LC	0	0	0	1	1	3	0	0
	<i>Varanus ornatus</i>	Ornate monitor	LC	0	0	0	0	2	6	5	0
Viperidae	<i>Bitis gabonica rhinoceros</i>	Gabon viper ©	LC	0	0	0	0	1	0	0	0
				24		14	19	25		26	24
<i>Total</i>				5	145	1	6	3	396	7	6

¹LC, Least Concern; NT, Near Threatened; VU, Vulnerable; CR: Critically Endangered.

²Si, Sidakoro; Ma, Mansiramoribaya; Ko, Koumady Koura; Fa, Faranah.