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Abstract: A summary list of the mammals of Mkomazi, Tanzania. Field records were collected by the Mkomazi Ecological Research Programme in 1992-96. The following six cat species are listed as occurring in Mkomazi: Cheetah, caracal, wild cat, leopard, serval, lion.



Checklist: Mammals of Mkomazi

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The following list is based on: field records by the Mkomazi Ecological Research Programme in 1992–96; small mammal records made by Larry Harris in 1964–67 (marked LH) (Harris 1972) and collections made by Rob Morley (marked RM; see Chapter 30). Additional comments and sightings by Malcolm Coe (marked MJC), Keith Eltringham (KE) and Jonathan Kingdon (JK). Historical data collated by Nicholas McWilliam. Species thought not to occur wild any longer in Mkomazi are marked ‘*’ and details are given at the end of this chapter. Nomenclature (Latin and common) follows Corbett & Hill (1991), Skinner & Smithers (1990) and Kingdon (1997).

MAMMALS (Class Mammalia)

PLACENTALS (Sub-class Eutheria)

PRIMATES (Order Primates)

Cheek-pouch monkeys (Cercopithecidae)

Yellow baboon *Papio cynocephalus*. Reported by JK and KE. JK has suggested mixing with olive baboon (*P. anubis*) in overlap of ranges.

Olive baboon *Papio anubis*. KE.

* Angola pied colobus *Colobus angolensis*. Reported possible sighting 19 June 1995 near Umba River. Formerly quite common.

Vervet monkey *Cercopithecus pygerythrus*. Sykes’ monkey *Cercopithecus mitis*.

Galagos (Galagonidae)

Small-eared galago *Otolemur garbetti*. Hills behind Ibaya camp (JK).

?Senegal galago *Galago senegalensis*. Expected in lower-lying woodlands (JK).

?Usambara galago *Galagoides orinus*. Possible recording from Ibaya Hill (JK).

BATS (Order Chiroptera)

Fruit bats (Sub-order Megachiroptera)

Pteropodidae

Rousette bat *Rousettus aegyptiacus*. LH, listed as *R. angolensis*, but not known from this region.

Epauletted fruit bat *Epomophorus sp.* LH. Probably *E. wahlbergi* but *Eidolon helvum* known from this area (MJC).

Insect bats (Sub-order Microchiroptera)

Slit-faced bats (Nycteridae)

Slit-faced bat *Nycteris thebaica*. LH, listed as ‘large-eared hollow-faced bat’.

Leaf-nosed bats (Hipposiderinae)

Leaf-nosed bat *Hipposideros caffer*. LH.

Free-tailed bats (Molossidae)

Guano bat *Tadarida aegyptiaca*. LH, listed as *T. aegyptica.*, mastif bat.

INSECTIVORES (Order Insectivora)

Shrews (Soricidae)

White-toothed shrew *Crocidura hirta*. RM.

White-toothed shrew *Crocidura (Afrosorex) voi*. RM. New record for Tanzania. Not recognised at species or sub-generic level by Corbet & Hill (1991) or Kingdon (1997).

White-toothed shrew *Crocidura parvipes*. RM. Not recognised by Corbett & Hill (1991).

Crocidura sp. RM.

Musk shrew *Suncus lixus*. RM.

ELEPHANT SHREWS

(Order Macroscelidea)

Lesser elephant shrew *Elephantulus rufescens*. RM.

Chequered elephant shrew *Rhynchocyon cirnei*. LH.

HARES (Order Lagomorpha)

Hares (Leporidae)

Scrub hare *Lepus saxatilis* (= *L. crawshayi*).

Cape hare *Lepus capensis*. LH.

RODENTS (Order Rodentia)

Squirrels (Sciuridae)

Unstriped ground squirrel *Xerus rutilus*.

Ochre bush squirrel *Paraxerus ochraceus*.

Dormice (Gliridae, syn. Myoxidae)

African dormouse *Graphiurus murinus*. LH, RM.

Blesmols (Bathyergidae)

Silky blesmol *Heliophobius argenteocinereus*.

Porcupines (Hystricidae)

Porcupine *Hystrix sp.* Reported by LH as *H. galeata*.

Murid rats & mice (Muridae)

Bush rat *Aethomys chrysophilus*. RM.

Spiny mouse *Acomys cahirinus*. RM, LH.

Spiny mouse *Acomys ignitus*. RM.

Spiny mouse *Acomys spinosissimus*. RM.

Spiny mouse *Acomys wilsoni*. RM, LH.

Acomys sp. RM.

Unstriped grass rat *Arvicanthus niloticus*. RM.

Gerbillus pusillus. LH, listed as Taita pygmy gerbil.

Narrow-footed woodland mouse *Grammomys dolichurus* RM.

Zebra mouse *Lemniscomys barbarus*. RM, LH.

Zebra mouse *Lemniscomys griselda*. RM, LH.

Multimammate rat *Mastomys natalensis*. LH, listed as 'shamba rat'.

Pygmy or common mouse *Mus minutoides*. RM.

Common mouse *Mus tenellus*. RM.

Meadow rat *Myomys fumatus*. RM.

Saccostomus campestris. RM.

Tatera nigricauda. RM.

Tatera gerbil *Tatera robusta*. RM & LH.

Taterillus osgoodi. RM. Not in Corbett & Hill (1991) or Kingdon (1997).

CARNIVORES (Order Carnivora)

Dogs (Canidae)

Side striped jackal *Canis adustus*. Reported by JK; not listed by KE.

Black backed jackal *Canis mesomelas*.

Bat-eared fox *Otocyon megalotis*.

*Wild dog *Lycaon pictus*. Captive population since 1992.

Mustelids (Mustelidae)

Zorilla *Ictonyx striatus*.

Ratel or honey badger *Mellivora capensis*.

Mongoose (Herpestidae)

Egyptian mongoose *Herpestes ichneumon*.

Quite frequent & widespread (MJC).

Slender mongoose *Galerella (herpestes)*

sanguinea. Sighting at 'klipspringer hill',

north of Ibaya Camp (JK). Common (MJC).

Dwarf mongoose *Helogale parvula*.

Somali dwarf mongoose *Helogale hirtula*.
Possible sighting (JK). Sighting on rock
outcrop (MJC).

Banded mongoose *Mungos mungo*.

White-tailed mongoose *Ichneumia albicauda*.

? Bushy-tailed mongoose *Bdeogale crassi-*
cauda. Expected, not seen (JK).

Hyaenids (Hyaenidae)

Striped hyena *Hyaena hyaena*.

Spotted hyena *Crocuta crocuta*.

Aardwolf *Proteles cristata*.

Genets & civets (Viverridae)

Common genet *Genetta genetta*.

Blotched genet *Genetta tigrina*. Sightings
near (JK) and at (MJC) Ibaya camp.

African civet *Civettictis civetta*.

Cats (Felidae)

Wild cat *Felis sylvestrus*.

Serval cat *Felis serval*.

Caracal *Felis caracal*.

Leopard *Panthera pardus*.

Lion *Panthera leo*.

Cheetah *Acinonyx jubatus*.

SCALY ANT-EATERS

(Order Pholidota)

Pangolin (Manidae)

Ground pangolin *Phataginus (=Smutsia)*
temminckii.

UNGULATES

AARDVARK (Order Tubulidentata)

Aardvark (Orycteropodidae)

Aardvark *Orycteropus afer*.

HYRAXES (Order Hyracoidea)

Hyraxes (Procavidae)

Rock hyraxes *Procavia sp.* Occasional.

Bush hyrax *Heterohyrax brucei*. Common
throughout the MGR (MJC).

Tree hyrax *Dendrohyrax validus*. Signs on
trees in Igire forest and skull at Pangaro
(MJC).

PROBOSCIDS (Order Proboscidae)

Elephant (Elephantidae)

Elephant *Loxodonta africana*.

ODD-TOED UNGULATES (Order Perissodactyla)

Horses (Equidae)

Zebra *Equus burchelli*.

Rhinoceroses (Rhinocerotidae)

*Black (browse) rhinoceros *Diceros bicornis*.
Captive re-introduction started Nov. 1997.

EVEN-TOED UNGULATES (Order Artiodactyla)

Pigs (Suidae)

Bush pig *Potamochoerus porcus*. Kingdon
(1997) places in a separate species *P.*
larvatus.

Common warthog *Phacochoerus africanus*.

Giraffe (Giraffidae)

Giraffe *Giraffa camelopardalis*.

Bovids, horned ungulates (Bovidae)

Bovines (Bovinae)

Buffalo *Syncerus caffer*.

Bushbuck *Tragelaphus scriptus*.

Lesser kudu *Tragelaphus imberbis*.

*Greater kudu *Tragelaphus strepsiceros*.

Eland *Taurotragus oryx*.

Bush duiker *Sylvicapra grimmia*.

Harvey's duiker *Cephalophus harveyi*.
Sightings in Kisiwani road forest (JK) and
Pangaro (MJC).

Suni *Neotragus moschatus*. Skull on Ibaya
hill; sighting at Vitewini ridge 1996 (KE
& JK).

Steinbuck *Raphicerus campestris*.

Klipspringer *Oreotragus oreotragus*.

Kirk's dikdik *Madoqua kirkii*.

Bohor reedbuck *Redunca redunca*.

Waterbuck *Kobus ellipsiprymnus*.

Grant's gazelle *Gazella granti*.

Gerenuk *Litocranius walleri*.

Impala *Aepyceros melampus*.

Kongoni *Alcelaphus buselaphus*.

*Wildebeest *Connochaetes taurinus*. Historically present, re-introduced, but now absent.

*Sable antelope *Hippotragus niger*.

Fringe-eared oryx *Oryx beisa*.

Large mammal species now extinct in Mkomazi

Historical records of species thought not to occur in Mkomazi Game Reserve today.

Black and White or Pied Colobus *Colobus angolensis*

Records of "Pangani black and white Colobus (*C. a. palliatus*)" from "Usambara Mountains ... middle Uмба River" (Swynnerton & Hyman 1951); "the river bank of the Uмба provides tall trees in which are Colobus and Sykes' monkeys" (Anstey 1958); "The colobus monkey (*Colobus angolensis*) was recorded by various game department personnel as late as 1957 (annual report, Game and Tsetse Division 1950, District Ranger's Report 1957). [This] species has [not] been recorded since 1957 and none presently exist in the area" (Harris 1970); one reported possible sighting on 19 June 1995 near Uмба River Gate in river bank trees (Ferguson/Mafunde, pers. comm.).

Wild Dog *Lycaon pictus*

"...there are too many wild dogs" (Anstey 1956); "...hunting dog is present" (Harris 1970); A pack passed Kisima in 1997, the first wild dogs to be recorded in the reserve for decades.

Black or Browse Rhinoceros *Diceros bicornis*

Records of rhinoceros from "Northern Tanga, Pare, Uмба Steppe" (Swynnerton & Hyman 1951); "These grasslands are the home of many rhinoceros ... The rhino have shown how much they like the open spaces now that it is safe to be there." (Anstey 1956); "Rhinoceros, lesser kudu, waterbuck and dikdik are not rare" (Harris 1970). Population estimates: in 1964–67: 45 (Harris 1970); in 1967: six (estimate

based on a survey stratified to represent elephant habitat; Watson *et al.* 1969); in 1968: 150–250 (survey stratified specifically to represent rhino habitat; Goddard 1969); in wet season 1974: four (all in NW Mkomazi; Cobb 1979); in 1974: none observed (Cobb 1979). Re-introduction programme started in 1997.

Greater Kudu *Tragelaphus strepsiceros*

“The woodland game so far recorded includes: greater and lesser kudu...” (Anstey 1956); “Observations of the greater kudu were made by ... the acting warden in official letter no. 451/8/46 of 17 October 1955. This, along with my finding of a greater kudu horn in the reserve, supports that species’ former presence in the reserve” (Harris 1970).

Wildebeest or Brindled Gnu *Connochaetes taurinus*

“Wildebeest” marked in Mkomazi Gap, and between South Pare and West Usambara Mountains (Atlas of Tanganyika 1956); “Eastern white-bearded wildebeest were ... common in Tanga Province and the area presently occupied by the reserve in the 1930s (Game and Tsetse Division annual report 1932; R. Bradstock pers. comm.). No wildebeest occurred in the area during the fifties and early sixties. Twenty were restocked in 1966... The introduced wildebeest population is growing after an initial decline...” (Harris 1970).

Sable Antelope *Hippotragus niger*

Records from Lake Jipe and Kisiwani. (Swynnerton & Hyman 1951); Anstey (1956): no mention; “Sable are still occasionally seen east of the reserve” (Harris 1970).

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