

A Fossil History of Southern African Land Mammals

D. Margaret Avery



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There is an ever-growing wealth of mammalian fossil material being collected from palaeontological and archaeological sites in southern Africa. This reference provides comprehensive information on the taxonomy and distribution in time and space of all currently recognised southern African fossil mammals. After an introductory background chapter on southern Africa, mammals, sites and dating, the following chapters are presented by epoch, covering the Eocene, Miocene, Pliocene, Pleistocene and Holocene. Individual maps provide information on where in the landscape specific taxa have been found, and a comprehensive index lists all the fauna and site locations. It ends with a chapter on how the book can be used, and lines of future research. Collecting a vast amount of information together in an accessible format, this is an essential reference for non-specialist taxonomists and palaeontologists, as well as for those using fossil data for other applications, such as archaeology, neontology and nature conservation. This title is also available as Open Access on Cambridge Core.

D. Margaret Avery is Emeritus Associate of Cenozoic Studies at Iziko Museums of South Africa, and Honorary Researcher at the Evolutionary Studies Institute at the University of Witwatersrand. Her research interests include understanding the background of human evolution, as well as modern micromammals. She was the President of the International Union for Quaternary Research (INQUA) between 2011 and 2015, and is a Fellow of the Royal Society of South Africa.

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D. MARGARET AVERY

Iziko Museums of South Africa



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*To all those whose hard work made this book necessary,
and in memory of my friend,
H. Basil S. Cooke*

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CHAPTER 1

Background

1.1 HISTORY AND RATIONALE

Mammalian palaeontological and archaeological work in southern African has a history reaching back nearly two centuries, though this initially took the form of what Underhill (2011) calls a ‘Victorian penchant [for] the recognition and collection of artefacts’. Probably the first published report of a fossil from South Africa was made in 1839 (Bain 1839; Seeley 1891), while T. H. Bowker excavated artefacts from near the mouth of the Fish River in 1857, and a Palaeolithic stone implement from Cape Town was sent to England in 1866 (Malan 1970). It was not until early in the twentieth century that palaeontological work began in earnest (e.g. Broom 1909a, 1909b and Péringuey 1911) published seminal works on the Stone Ages of South Africa. What might be described as the modern era began some 20 years later. South African mammalian palaeontology received a major boost with the report of *Australopithecus africanus* from Taung (Dart 1925), and by the second half of the 1930s Broom (e.g. 1936a, 1936b, 1937a, 1937b) had begun to describe material from the extremely rich limestone caves of the then Transvaal (now Gauteng), which continue to yield new forms (e.g. Berger *et al.* 2015; Fourvel 2018). The palaeontological importance of Namibia (then South West Africa) only began to be appreciated during the 1920s (e.g. Stromer 1921), but the importance of this country for Eocene and Miocene mammalian evolution has since become abundantly clear through the ongoing work of Martin Pickford and colleagues, especially Brigitte Senut, Jorge Morales and Pierre Mein. The systematic study of southern African archaeology has a similar history, beginning with the work of Goodwin and van Riet Lowe (e.g. 1929). However, archaeologists were not at first concerned with the faunal element, apart from human remains, which received attention from very early on (e.g. Shrubbsall 1911). One of the earliest general faunal reports was that of Brain (1969) on material from Bushman Rock Shelter. From these beginnings there has developed exponentially a body of information on around 650 taxa collected from over 600 sites in more than 150 degree-squares dating from the Eocene onwards.

With such an ever-growing wealth of data it has become increasingly difficult, especially for non-specialists, to find information on specific taxa. Unannotated maps of large mammal distributions during the last 30 000 years have been published (Plug and Badenhorst 2001), but these required updating and their coverage expanding. In particular, the taxonomy of all included genera and species needed attention. The taxonomic data are often hard to locate, with incomplete citations to original descriptions and older publications difficult to find. Moreover, some groups have been updated and it is not always easy for non-specialists to track taxa through to their current nomenclature. To help solve these problems it seemed that the time was right to bring

together available taxonomic and distributional information on terrestrial mammalian species or genera recorded from palaeontological and archaeological sites in mainland southern Africa.

This compilation is also intended to complement others covering modern distributions (e.g. Skinner and Chimimba 2005) and historical records (e.g. Boshoff *et al.* 2016; Rookmaker 1989; Skead 2011) and, in so doing, extend knowledge of the distribution of many extant taxa into the past. Although there is some temporal overlap between the historical records and the late Holocene (Iron Age) archaeological records, a distinction can be made according to the source of the records. Thus, historical records are written reports of sightings of live or recently dead animals, mainly by early European travellers. Palaeontological and archaeological records, on the other hand, relate solely to excavated fossil and sub-fossil material. It is information from the latter sources that has been included here. Apart from any other consideration, it is hoped that making the historical evidence available will encourage neontologists to incorporate these data into their studies more regularly. Conservationists will also find it a useful source when they decide whether it is appropriate to re-introduce extirpated species onto a reserve.

1.2 SOUTHERN AFRICA

Mainland southern Africa is usually thought of in terms of countries, which, in this case, would include Botswana, Lesotho, Mozambique (southern half), Namibia, South Africa, Swaziland and Zimbabwe. However, political boundaries have been disregarded here because they have no biological significance. Instead, for the purposes of this study, southern Africa is taken to comprise mainland Africa south of the Kunene (Cunene) and Zambezi Rivers, that is, south of approximately 15°S (Figure 1.1). Among the various delimitations of southern Africa, this one was chosen because the significant barrier formed by these rivers is likely to have greatly influenced animal movements at various times during the period covered. For those wishing to know more about the major factors affecting mammalian distribution patterns, the geomorphological setting is provided by Partridge (2010), while Feakins and DeMenocal (2010) and Jacobs *et al.* (2010) describe the other major, and interlinked, influencing factors of climate and vegetation respectively.

1.3 MAMMALS

The full taxonomy of animals has a great many levels, as can be seen in *The Taxonomicon* (<http://taxonomicon.taxonomy.nl>). However, it is usual (and conventional) for general purposes to disregard ranks higher than Class Mammalia when considering the mammals. Below this level one may include as many or as few ranks as required. Here, only the supra-generic ranks of Order and Family (with suborder and subfamily where these are recognised) are given, both because many workers do not include a complete taxonomy and because further levels are not normally necessary in non-taxonomic works. Only taxa identified to species or genus in the palaeontological and archaeological samples are included. Details for the lowest level of identification are given in the text so that genera are only listed separately when material was not identified to species level. Identifications above the generic level have been disregarded pending more precise identification. Thus, although an author may have listed the family Canidae (dogs), for

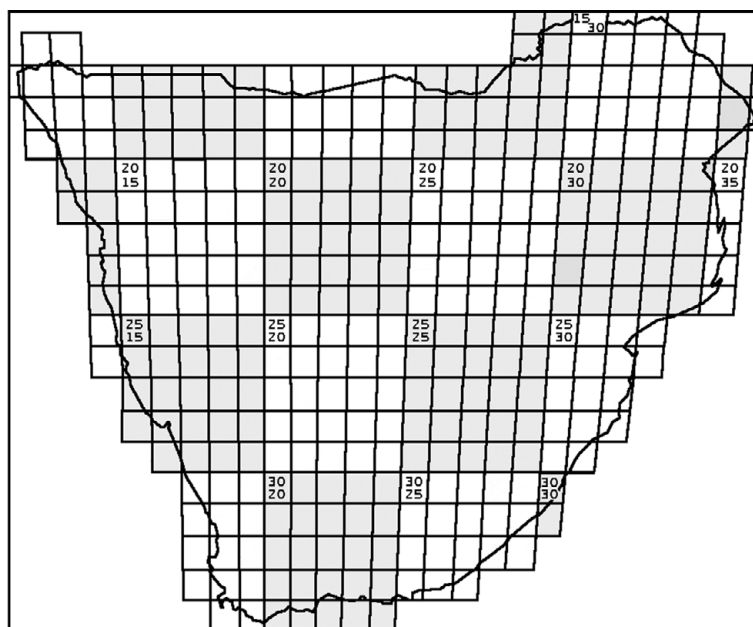


Figure 1.1 Southern Africa base map marked in degree squares and shaded in five-degree squares. Numbers in the top left-hand corner of each five-degree block indicate degree latitude above and longitude below of the degree square in that corner. As an example, 2015 indicates the square is 20°S 15°E.

example, this will not appear as a separate record. Extinct taxa are identified by the conventional symbol †. Author and citation details are given for genera and species but not higher taxa. Common names, which are included for extant species, follow Wilson and Reeder (2005). Listed synonyms comprise those given in the literature from which data were collected for this study and are intended as an aid to updating and correlating faunal lists, not as full taxonomic synonymies. The database relies on published records of taxa so far represented in the fossil record, that is, material excavated or otherwise recovered from palaeontological and archaeological sites. Unless there is reason for doubt, in which case a comment is included under the taxon description, published identifications have been accepted as accurate. Unpublished data, apart from personal records, have been omitted, partly because not all are in the public domain.

The order of presentation is based on Wilson and Reeder (2005), augmented as necessary for extinct and newly erected taxa. General works consulted include Allen (1939), Bronner *et al.* (2003), Ellerman *et al.* (1953), McKenna and Bell (1997), Roberts (1951) and Werdelin and Sanders (2010). The latter generally provide the most recent treatments of modern and fossil mammalian taxa in Africa, and these have been followed except in cases where subsequent changes have been published. Volumes of certain journals, such as the *Proceedings of the Zoological Society of London*, were originally numbered by year, although the year of publication was the following year. On occasion, this has caused some confusion in the citation, but it would appear that the volume year, rather than the publication year, is now generally accepted for this purpose.

1.4 SITES

There is an exponential increase in the number of samples from the earliest to the latest epoch, despite the fact that the epochs are of decreasing duration through time (Table 1.1). Some sites have produced material dated to more than one epoch so that the total number of sites is slightly lower than that of the samples. Location of the sites is based on published information in most cases. Although precision of coordinates varies, it is generally adequate for the construction of the distribution maps. In all cases latitude is given before longitude. Thus, as an example, 2925:2228 is 29°25'S; 22°28'E. When more precise coordinates are unavailable, 3218BB or 3218, for example, indicate the quarter degree or degree square in which a site is located. In some cases, several different latitudes and longitudes have been found for one site, but these are generally within a few seconds of each other. Primary sources should be consulted.

Table 1.1 Boundaries of Cenozoic epochs from the Eocene upwards, according to Cohen *et al.* (2013, updated), and number of sites providing data in each epoch. The Oligocene is not yet definitively represented in southern Africa.

Epoch	Date (Ma)	No. sites
Holocene	<0.0117	417
Pleistocene	0.0117–2.58	204
Pliocene	2.58–5.333	23
Miocene	5.333–23.03	25
Oligocene	23.03–33.9	1?
Eocene	33.9–56.0	5

1.5 MAPPING

For the purposes of mapping taxa, distribution is recorded at the level of one-degree squares, that is, one degree of latitude by one degree of longitude. This has been done even where more precise localities are recorded because of the size of the database and the area covered. There are 350 degree-squares in the region (Figure 1.1), and excavations in 153 of these have so far yielded remains of mammals. Only type localities for fossil genera and species occurring within southern Africa are listed, and these are shown in black on the distribution maps. The faunal lists for each site are those given in the references cited, except where they have been updated as necessary (see text for more information).

1.6 DATING

Sites have been dated to various levels of precision from a few decades in later sites to epochs in earlier sites. Epochs are intermediate-level groupings in the International Chronostratigraphic Chart (Cohen *et al.* 2013, updated). This level is convenient for present mapping purposes even where greater dating precision for individual sites is available. The period spanned by epochs is progressively shorter towards the present

(Table 1.1). So far, the Oligocene, which lies between the Eocene and the Miocene at 33.9–23.03 Ma, is not yet conclusively represented. If, however, Sallam and Seiffert (2016) are correct in proposing that *Protophiomys algeriensis* is of Oligocene rather than Eocene age, it would be the first material of this age recovered from southern Africa.

In most cases there is no problem with assigning a site to a particular epoch. However, confusion can arise over assignment of some sites, notably in the Cradle of Humankind, that have been labelled informally as Plio-Pleistocene. This practice, which arose at a time when the boundary between the two epochs was placed at 1.80 Ma, has been continued by some palaeoanthropologists even though it is no longer useful in view of the revised boundary of 2.58 Ma (Cohen *et al.* 2013, updated), which allows almost all the Cradle sites to be placed within the Pleistocene.

CHAPTER 2

The Eocene

2.1 EOCENE MAMMALS

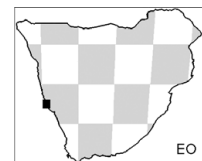
The Eocene mammalian fauna is notable for its high proportion of extinct forms. Of the eight Orders represented, Cimolesta, Embrithopoda and Creodonta are extinct, as are all of the genera and species and most of the families. Many new species were recently described from the region (Pickford 2015a–2015f, 2018a), thereby adding significantly to the known fauna of the epoch. Despite this, the diversity of taxa known from each Order is much lower than is the case with younger material. Whether this results from the paucity of sites (see below) remains to be seen. The Order Rodentia (rodents) is by far the most diverse, with eight families. Only Afrosoricida (tenrecs and golden moles) and Hyracoidea (hyraxes) have more than one, and, at three each, this is the most diverse at the family level they have been in the region. A fruit bat possibly belonging to the subfamily Propottininae has been described from Black Crow (Pickford 2018b) but not assigned to genus or species. It is significant in that it is the only member of the suborder Megachiroptera so far recovered from the region, although it cannot be included in the lists until a full identification has been published.

ORDER: †CIMOLESTA

FAMILY: †TODRALESTIDAE

†*Namalestes gheerbranti* Pickford, Senut, Morales, Mein and Sanchez, 2008. *Geol. Surv. Namibia Mem.* 20: 468.

Type locality: Black Crow.



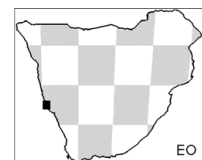
ORDER: AFROSORICIDA

Suborder: Tenrecomorpha

FAMILY: POTAMOGALIDAE

†*Namagale grandis* Pickford, 2015. *Comm. Geol. Surv. Namibia* 16: 119.

Type locality: Eocliff.



FAMILY: TENRECIDAE

†*Arenagale calcareus* Pickford, 2015. *Comm. Geol. Surv. Namibia* 16: 140.
Type locality: Eocliff.



†*Sperrgale minutus* Pickford, 2015. *Comm. Geol. Surv. Namibia* 16: 130.
Type locality: Eocliff.



Suborder: Chrysochloridea

FAMILY: CHRYSOCHLORIDAE

†*Diamantochloris inconcessus* Pickford, 2015. *Comm. Geol. Surv. Namibia* 16: 109.
Type locality: Black Crow.



†*Namachloris arenatans* Pickford, 2015. *Comm. Geol. Surv. Namibia* 16: 148.
Type locality: Eocliff.



ORDER: MACROSCELIDEA

FAMILY: MACROSCELIDIDAE

Subfamily: †Myohyracinae

†*Myohyrax* Andrews, 1914. *Quart. J. Geol. Soc. Lond.* 70: 171.



ORDER: †EMBRITHOPODA

FAMILY: †ARSINOITHERIIDAE

†*Namatherium blackcrowense* Pickford, Senut, Morales, Mein and Sanchez, 2008. *Geol. Surv. Namibia Mem.* 20: 479.

Type locality: Black Crow.

Additional references: Gheerbrandt *et al.* (2018); Sanders *et al.* (2010b).



ORDER: HYRACOIDEA

FAMILY: †GENIOHYIDAE

†*Namahyrax corvus* Pickford, Senut, Morales, Mein and Sanchez, 2008.
Geol. Surv. Namibia Mem. 20: 474.

Type locality: Black Crow.

Comments: this taxon was originally assigned to Namahyracidae but is now placed in Geniohyidae by Pickford (2018c).

Additional references: Pickford (2015e).



FAMILY: PROCAVIIDAE

†*Rupestrohyrax palustris* Pickford, 2015. *Comm. Geol. Surv. Namibia* 16: 206.

Type locality: Eoridge.

**ORDER: PRIMATES**

†*Notnamaia bogenfelsi* Pickford, Senut, Morales, Mein and Sanchez, 2008. *Geol. Surv. Namibia Mem.* 20: 487.

Type locality: Black Crow.

Synonyms: *Namaia*.

Additional references: Pickford and Uhen (2014).

**Suborder: Strepsirrhini**

FAMILY: LORISIDAE

†*Namaloris rupestris* Pickford, 2015. *Comm. Geol. Surv. Namibia* 16: 196.
 Type locality: Eocliff.

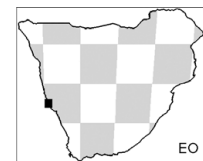
**ORDER: RODENTIA**

FAMILY: †PARAMYIDAE

Subfamily: †Reithroparamyinae

†*Namaparamys inexpectatus* Mein and Pickford, 2018. *Comm. Geol. Surv. Namibia* 18: 40, 41.

Type locality: Black Crow.

**Suborder: Sciuroida**

FAMILY: †CHAPATTIMYIDAE

Subfamily: †Protophiomyinae

†*Protophiomys algeriensis* Jaeger, Denys and Coiffait, 1985. In: Lockett and Hartenberger, *Evolutionary Relationships Among Rodents*: 569.

Comments: these *Protophiomys* specimens may be Oligocene (Sallam and Seiffert 2016) or even Miocene in age (Marivaux *et al.* 2014).



Suborder: Anomaluromorpha

FAMILY: †ZEGDOUMYIDAE

†*Glibia namibiensis* Pickford, Senut, Morales, Mein and Sanchez, 2008.
Geol. Surv. Namibia Mem. 20: 488.

Type locality: Black Crow.

Comments: this species is considered to belong to the genus *Zegdoumys* by Marivaux *et al.* (2011, 2015).



†*Tsaukhaebmys calcareus* Pickford, 2018. *Comm. Geol. Surv. Namibia* 18: 50, 51.

Type locality: Black Crow.

**Suborder: Hystricomorpha**

FAMILY: †DIAMANTOMYIDAE

Subfamily: †Metaphiomysinae

†*Metaphiomys schaubi* Wood, 1968. *Bull. Peabody Mus. Nat. Hist.* 28: 58.



†*Prepomonomys bogenfelsi* Pickford, Senut, Morales, Mein and Sanchez, 2008. *Geol. Surv. Namibia Mem.* 20: 490.

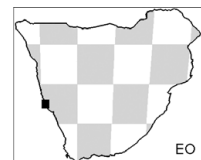
Type locality: Silica North.



FAMILY: †BATHYERGOIDIDAE

†*Bathyergoides* Stromer, 1923. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1923(II): 263.

Type locality: Sperrgebiet.



FAMILY: †MYOPHIOMYIDAE

Subfamily: †Phiocricetomyinae

†*Silicamys cingulatus* Pickford, Senut, Morales, Mein and Sanchez, 2008.
Geol. Surv. Namibia Mem. 20: 489.

Type locality: Silica North.



†*Talahphiomys lavocati* Wood, 1968. *Bull. Peabody Mus. Nat. Hist.* 20: 45.

Synonyms: *Phiomys*.

Additional references: Jaeger *et al.* (2010).



FAMILY: THRYONOMYIDAE

†*Apodecter stromeri* Hopwood, 1929. *Amer. Mus. Novit.* 344: 3.

Type locality: Lüderitz Bay (south of) (?Langental: Mein and Pickford [2008c]).



†*Gaudeamus* Wood, 1968. *Bull. Peabody Mus. Nat. Hist.* 20: 68.



†*Namaphiomys* Mein and Pickford, unpublished.

Comments: *Namaphiomys* is a *nomen nudum*, awaiting publication, according to M. Pickford (pers. comm. 2016).



†*Phiomys phiomyoides* Wood, 1968. *Bull. Peabody Mus. Nat. Hist.* 20: 41.



FAMILY: †TUFAMYIDAE

Comments: Pickford (2018f) places this family within the Infraorder Hystricognathi (Suborder Ctenohystrica according to Huchon *et al.* [2000, 2002]) but Hystricognathi is included in the Suborder Hystricomorpha by Wilson and Reeder (2005), whose arrangement is followed here.

†*Efeldomys* Mein and Pickford 2008. *Geol. Surv. Namibia Mem.* 20: 257.

Type locality: Elisabethfeld.

Additional references: Pickford (2018f).

Comments: this genus was originally placed in Bathyergidae but is now transferred to Tufamyidae (Pickford, 2018f).



†*Tufamys woodi* Pickford, 2018. *Comm. Geol. Surv. Namibia* 19: 75.

Type locality: Eocliff.



ORDER: †CREODONTA

FAMILY: †HYAENODONTIDAE

Subfamily: †Hyainailourinae

†*Pterodon* De Blainville, 1839. *Ann. Franç. Etran. Anat. Physiol.* 3: 23.

Additional references: Holroyd (1999); Lewis and Morlo (2010).



ORDER: ARTIODACTYLA**FAMILY: †ANTHRACOTHERIIDAE**

†*Bothriogenys gorringeri* Andrews and Beadnell, 1902. *A preliminary note on some new mammals from the Upper Eocene of Egypt: 7.*

Additional references: Holroyd *et al.* (2010); Lihoreau and Ducrocq (2007); Pickford (2015f).

**2.2 EOCENE SITES**

Eocene sites (Figure 2.1) so far discovered in southern Africa have a very restricted distribution, all four of them being within the 2715-degree square. These earliest sites are also the most recent to have been discovered in the region.

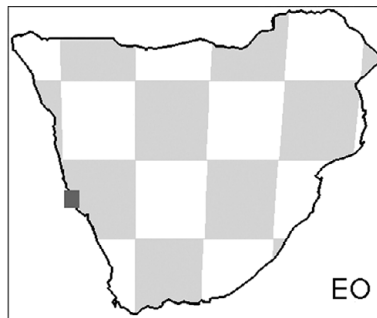


Figure 2.1 Location of Eocene sites.

Black Crow (2723:1528). Taxa: *Diamantochloris inconcessus*; *Glibia namibiensis*; *Namahyrax corvus*; *Namalestes gheerbranti*; *Namaparamys inexpectatus*; *Namatherium blackcrowense*; *Notnamaia bogenfelsi*; *Pterodon*; *Tsaukhaebmys calcareus*. References: Pickford (2015a, 2018a–2018d); Pickford *et al.* (2008, 2014).

Eocliff (2721:1536). Taxa: *Arenagale calcareus*; *Efeldomys*; *Gaudeamus*; *Metaphiomys schaubi* cf.; *Myohyrax* aff.; *Namachloris arenatans*; *Namagale grandis*; *Namaloris rupestris*; *Namaphiomys*; *Phiomys lavocati* aff.; *Phiomys phiomyoides* aff.; *Prepomonomys bogenfelsi*; *Protophiomys algeriensis* cf.; *Silicamys cingulatus*; *Sperrgale minutus*; *Talahphiomys*; *Tufamys woodi*. References: Pickford (2015b, 2015c); Pickford *et al.* (2008, 2014).

Eoridge (2721:1537). Taxa: *Bothriogenys gorringeri*; *Rupestrohyrax palustris*; *Silicamys cingulatus*; *Sperrgale minutus*. References: Pickford (2015e, 2015f); Pickford *et al.* (2014).

Silica North and South (2715:1525; 2716:1525). Taxa: *Apodecter stromeri* cf.; *Bathyergoides* cf.; *Prepomonomys bogenfelsi*; *Protophiomys algeriensis* cf.; *Silicamys cingulatus*; *Talahphiomys*. References: Pickford *et al.* (2008, 2014).

CHAPTER 3

The Miocene

3.1 MIOCENE MAMMALS

During the Miocene only one extinct Order, Creodonta, is represented in southern Africa, but the total number of Orders rose to 14, with only the Soricomorpha (shrews) and Pholidota (pangolins) not present. This epoch is notable for having the largest number of families, of which slightly more than a third are extinct (Table 1.1), and for the diversity of elephants (Proboscidea), of which there are nine genera and eight species in four families. The Rodentia continued to be the most diverse Order, with 36 genera and 41 species in 12 families. Next most diverse at the family level, with six families each, are the Chiroptera (bats), Carnivora (carnivores) and Artiodactyla (even-toed ungulates), the first two of which appeared for the first time.

ORDER: AFROSORICIDA
Suborder: Tenrecomorpha
FAMILY: TENRECIDAE

†*Promicrogale namibiensis* Pickford, 2018. *Comm. Geol. Surv. Namibia* 18: 88, 89.

Type locality: Elisabethfeld.

Comments: Pickford (2018d) places the Tenrecidae in Order Soricomorpha, but points out (personal communication, 2018) that there is considerable disagreement on the allocation of this family. For now, Wilson and Reeder (2005) are followed in placing Tenrecidae in Afrosoricida.



Subfamily: †Protenrecinae

†*Protenrec butleri* Mein and Pickford, 2003. *Mem. Geol. Soc. Namibia* 19: 145.

Type locality: Arrisdrift.

Additional references: Butler and Hopwood, (1957); Mein and Pickford (2008a).



Suborder: Chrysochloridea
FAMILY: CHRYSOCHLORIDAE
Subfamily: †Prochrysochlorinae

†*Prochrysochloris miocaenicus* Butler and Hopwood, 1957. *Foss. Mamm. Afr.* 13: 11.

Additional references: Butler (1984); Mein and Pickford (2008a).



ORDER: MACROSCELIDEA**FAMILY: MACROSCELIDIDAE**

Subfamily: Macroscelidinae

Elephantulus Thomas and Schwann, 1906. *Abstr. Proc. Zool. Soc. Lond.* 33: 10.

Additional references: Corbet and Hanks (1968); Evans (1942); Holroyd (2010a); Patterson (1965); Van der Horst (1944).



†*Miorhynchocyon gariensis* Senut, 2003. *Geol. Soc. Namibia Mem.* 19: 126.

Type locality: Arrisdrift.



†*Palaeothentoides* Stromer, 1931. *Sitzungsber. Bayer. Akad. Wiss. München. Math.-Nat. Abt.* 1931: 185.

Type locality: Kleinzee.

Additional references: Holroyd (2010a); Patterson (1965).



Subfamily: †Myohyracinae

†*Myohyrax oswaldi* Andrews, 1914. *Quart. J. Geol. Soc. Lond.* 70: 171.

Synonyms: *doederleini*; *osborni*.

Additional references: Holroyd (2010a); Leakey (1943a); Patterson (1965); Stromer (1923).



†*Myohyrax pickfordi* Senut, 2008. *Geol. Surv. Namibia Mem.* 20: 189.

Type locality: Langental.



†*Protypotheroides beetzi* Stromer, 1921. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1921: 333.

Synonyms: *osborni*.

Type locality: Langental.

Additional references: Holroyd (2010a); Patterson (1965); Stromer (1923).



Comments: Stromer (1923: 258) refers to this taxon as *Protypotheroides beetzi* Stromer (1922, S. 333), but see note in Section 1.3 regarding journal volume numbers.

Subfamily: Rhynchocyoninae

†*Brevirhynchocyon gariensis* Senut, 2003. *Geol. Surv. Namibia Mem.* 19: 126.

Synonyms: *Brachyrhynchocyon*, *Miorhynchocyon*.

Type locality: Arrisdrift.

Additional references: Butler (1984); Senut and Georgalis (2014).



†*Brevirhynchocyon jacobi* Senut, 2008. *Geol. Surv. Namibia Mem.* 20: 192.

Synonyms: *Brachyrhynchocyon*.

Type locality: Elisabethfeld.

Additional references: Senut and Georgalis (2014).



†*Hypsorhynchocyon burrelli* Senut, 2008. *Geol. Surv. Namibia Mem.* 20: 194.

Type locality: Grillental 6.

**ORDER: TUBULIDENTATA**

FAMILY: ORYCTOPODIDAE

†*Amphiorcyteropus* Lehmann, 2009. *Zool. J. Linn. Soc.* 145: 665.

Synonyms: *Myorycyteropus minutus*; *Orycyteropus*.

Additional references: Holroyd (2010b); Pickford (1975, 1996b, 2003a).



Orycyteropus Cuvier, 1798. *Tabl. Elem. Hist. Nat. Anim.* 1798: 144.

Additional references: Holroyd (2010b); Kitching (1963); Lehmann (2007); Pickford (2008a).

**ORDER: HYRACOIDEA**

FAMILY: †PLIOHYRACIDAE

†*Parapliohyrax* Lavocat, 1961. *Notes Mém. Serv. Géol. Maroc* 155: 87.

Additional references: Pickford (1996a).



†*Parapliohyrax ngororaensis* Pickford and Fischer, 1987. *N. Jhb. Geol. Palaeontol. Abh.* 175: 212.

Additional references: Pickford (2003b); Rasmussen and Gutiérrez (2010).



†*Prohyrax hendeyi* Pickford, 1994. *Geol. Surv. Namibia Comm.* 9: 45.

Type locality: Arrisdrift.

Additional references: Pickford (2003b); Rasmussen and Gutiérrez (2010).



†*Prohyrax tertarius* Stromer, 1923. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1923(II): 256.

Type locality: Langental.

Additional references: Rasmussen and Gutiérrez (2010).



FAMILY: PROCAVIIDAE

†*Heterohyrax auricampensis* Rasmussen, Pickford, Mein, Senut and Conroy, 1996. *J. Mammal.* 77(3): 746.

Type locality: Berg Aukas 1.

Additional references: Rasmussen and Gutiérrez (2010).



FAMILY: †TITANOHYRACIDAE

†*Afrohyrax namibiensis* Pickford, 2008. *Mem. Geol. Surv. Namibia* 20: 314.

Type locality: Grillental 6.

Additional references: Pickford and Senut (2018).



ORDER: PROBOSCIDEA

FAMILY: †DEINOTHERIIDAE

Subfamily: †Deinotheriinae

†*Prodeinotherium hobleji* Andrews, 1911. *Proc. Zool. Soc. Lond.* 1911: 944.

Synonyms: *Deinotherium*; *Dinotherium*.

Additional references: Éhik (1930); Harris (1977); Sanders *et al.* (2010a).



FAMILY: ELEPHANTIDAE

Subfamily: Elephantinae

Loxodonta Anonymous, 1827. *Zool. J.* 3: 140.

Synonyms: *Tetralophodon?*



†*Loxodonta cookei* Sanders, 2007. *Trans. R. Soc. S. Afr.* 62(1): 7.

Synonyms: *Lukeino Stage*.

Type locality: Langebaanweg.

Additional references: Pickford and Senut (1997); Sanders *et al.* (2010a); Todd (2010).



FAMILY: †GOMPHOTHERIIDAE

Subfamily: †Amebelodontinae

†*Afromastodon coppensi* Pickford, 2003. *Geol. Surv. Namibia Mem.* 19: 219.

Type locality: Arrisdrift.

Additional references: Sanders *et al.* (2010a).



†*Progomphotherium maraisi* Pickford, 2003c. *Geol. Surv. Namibia Mem.* 19: 211.

Type locality: Auchas.

Additional references: Osborn (1934); Sanders *et al.* (2010b).



Subfamily: †Anancinae

†*Anancus kenyanensis* MacInnes, 1942. *Trans. Zool. Soc. Lond.* 25(2): 33–106.

Additional references: Cooke (1993b); Hautier *et al.* (2009); Pickford and Senut (1997); Sanders *et al.* (2010b); Tassy (1986).



Subfamily: †Choerolophodontinae

†*Afrochoerodon kisumuensis* MacInnes, 1942. *Trans. Zool. Soc. Lond.* 25(2): 51.

Additional references: Pickford (2001a, 2005a); Tassy (1986).



†*Gomphotherium pygmaeus* Depéret, 1897. *Bull. Soc. Géol. France, Series* 3, 25: 520.

Synonyms: *Choerolophodon*, *Mastodon*; *angustidens*.

Additional references: Beck (1906); Fraas (1907); Hamilton (1973); Pickford (2005a); Sanders *et al.* (2010a).



FAMILY: †MAMMUTHIDAE

†*Eozygodon morotoensis* Pickford and Tassy, 1980. *Neues Jahrb. Geol. Palaontol., Monatsch.* 4: 242.

Synonyms: *Zygodon aegyptensis* cf.

Additional references: Pickford (2007, 2008c).



ORDER: PRIMATES
Suborder: Haplorrhini
 FAMILY: CERCOPITHECIDAE
 Subfamily: Colobinae

†*Microcolobus* Benefit and Pickford, 1986. *Amer. Phys. Anthrop.* 69: 446.



FAMILY: HOMINIDAE
 Subfamily: Homininae

†*Otavipithecus namibiensis* Conroy, Pickford, Senut, Van Couvering and Mein 1992. *Nature* 356: 144.

Type locality: Berg Aukas I.

Additional references: Gommery (2000); Harrison (2010); Pickford *et al.* (1992 1997); Singleton (2000).



Subfamily: †Kenyapithecinae

†*Kenyapithecus* Leakey, 1961. *Ann. Mag. Nat. Hist.*, Series 13, 4: 690.

Additional references: McCrossin and Benefit (1997); Pickford and Senut (1997).

Comments: specimen listed as Hominoidea by Senut *et al.* (1997) and as a proconsulid (Nyanzapithecinae indet.) by Harrison (2010).



ORDER: RODENTIA
Suborder: Sciuromorpha
 FAMILY: SCIURIDAE
 Subfamily: Xerinae

†*Heteroxerus karsticus* Mein, Pickford and Senut, 2000. *Comm. Geol. Surv. Namibia* 12: 381.

Synonyms: *Vulcanisciurus*.

Type locality: Harasib 3a.

Additional references: Viriot *et al.* (2011).

Comments: the version of this publication available on the Geological Survey of Namibia website at www.mme.gov.na/files/publications/5dd_Mein%20et%20al_Late%20Miocene%20micromammals_Harasib.pdf appears to be wrongly paginated.



†*Vulcanisciurus* Lavocat, 1973. *Mem. Trav. Inst. Montpellier Ecole Prat. Hautes Etudes* 1: 1–284.

Comments: Lavocat (1973) not seen.



†*Vulcanisciurus africanus* Lavocat, 1973. *Mem. Trav. Inst. Montpellier Ecole Prat. Hautes Etudes* 1: 1–284.
 Additional references: Viriot *et al.* (2011).
 Comments: Lavocat (1973) not seen.



Suborder: Myomorpha

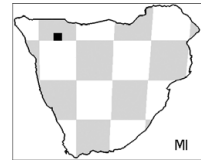
FAMILY: GLIRIDAE

Subfamily: Graphiurinae

†*Otaviglis daamsi* Mein, Pickford and Senut, 2000. *Comm. Geol. Surv. Namibia* 12: 383.

Type locality: Harasib 3a.

Comments: the version of this publication available on the Geological Survey of Namibia website at www.mme.gov.na/files/publications/5dd_Mein%20et%20al_Late%20Miocene%20micromammals_Harasib.pdf appears to be wrongly paginated.



FAMILY: SPALACIDAE

Subfamily: Rhizomyinae

†*Harasibomys* Mein, Pickford and Senut, 2000. *Comm. Geol. Surv. Namibia*, 12: 387.

Synonyms: *Brachyuromys* cf.

Type locality: Harasib 3a.

Comments: the version of this publication available on the Geological Survey of Namibia website at www.mme.gov.na/files/publications/5dd_Mein%20et%20al_Late%20Miocene%20micromammals_Harasib.pdf appears to be wrongly paginated.



†*Harasibomys petteri* Mein, Pickford and Senut, 2000. *Comm. Geol. Surv. Namibia*, 12: 387.

Synonyms: *Brachyuromys* cf.

Type locality: Harasib 3a.

Comments: the version of this publication available on the Geological Survey of Namibia website at www.mme.gov.na/files/publications/5dd_Mein%20et%20al_Late%20Miocene%20micromammals_Harasib.pdf appears to be wrongly paginated.



†*Nakalimys lavocati* Flynn and Sabatier, 1984. *J. Paleontol.* 3: 161.



FAMILY: NESOMYIDAE

Subfamily: Afrocricetodontinae

†*Notocricetodon* Lavocat, 1973. *Mem. Trav. Inst. Montpellier Ecole Prat. Hautes Etudes* 1: 1–284.

Comments: Lavocat (1973) not seen.



†*Protarsomys* Lavocat, 1973. *Mem. Trav. Inst. Montpellier Ecole Prat. Hautes Etudes* 1: 1–284.

Comments: Lavocat (1973) not seen.



†*Protarsomys lavocati* Mein and Pickford, 2003. *Geol. Soc. Namibia Mem.* 19: 148.

Type locality: Arrisdriфт.



†*Protarsomys macinnesi* Lavocat, 1973. *Mem. Trav. Inst. Montpellier Ecole Prat. Hautes Etudes* 1: 1–284.

Comments: Lavocat (1973) not seen.



Subfamily: Cricetomyinae

Saccostomus Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258.



†*Saccostomus geraadsi* Mein, Pickford and Senut, 2004. *Comm. Geol. Soc. Namibia* 13: 43.

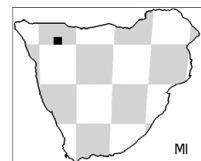
Synonyms: *major*; “K.”*majus* Geraads, 2001.



Subfamily: Dendromurinae

†*Dendromus denysae* Mein, Pickford and Senut, 2004. *Comm. Geol. Surv. Namibia* 13: 49.

Type locality: Harasib 3a.



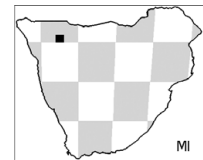
Steatomys Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258.



†*Steatomys harasibensis* Mein, Pickford and Senut, 2004. *Comm. Geol. Surv. Namibia* 13: 45.
Type locality: Harasib 3a.



†*Steatomys jaegeri* Mein, Pickford and Senut, 2004. *Comm. Geol. Surv. Namibia* 13: 48.
Type locality: Harasib 3a.



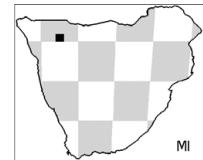
Subfamily: †Otavimyinae

†*Otavimys senegasi* Mein, Pickford and Senut, 2004. *Comm. Geol. Surv. Namibia* 13: 51.
Type locality: Harasib 3a.



Subfamily: Petromyscinae

†*Harimyscus hoali* Mein, Pickford and Senut, 2000. *Comm. Geol. Surv. Namibia*, 12: 395.
Type locality: Harasib 3a.



Petromyscus Thomas, 1926. *Ann. Mag. Nat. Hist.*, Series 9, 17: 179.
Additional references: Petter (1967).



FAMILY: MURIDAE

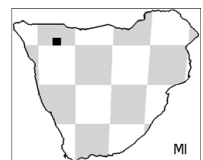
Subfamily: Cricetodontinae

†*Afaromys guillemoti* Geraads, 1998. *Palaeovertebrata* 27(3–4): 205.
Additional references: Mein *et al.* (2004).



Subfamily: Deomyinae

†*Preacomys griffini* Mein, Pickford and Senut, 2004. *Comm. Geol. Surv. Namibia* 13: 57.
Synonyms: *Karnimata*.
Type locality: Harasib 3a.



†*Preacomys karsticus* Mein, Pickford and Senut, 2004. *Comm. Geol. Surv. Namibia* 13: 57.

Type locality: Harasib 3a.



†*Preacomys kikiae* Geraads, 2001. *Palaeovertebrata* 30: 91.

Additional references: Mein *et al.* (2004).



Subfamily: Gerbillinae

†*Dakkamyoides* Lindsay, 1988. *Palaeovertebrata* 18(2): 123.



Subfamily: †Myocricetodontinae

†*Myocricetodon* Lavocat, 1952. *C. R. Acad. Sci. Paris* 235: 190.



†*Mioharimys milleri* Mein, Pickford and Senut, 2000. *Comm. Geol. Surv. Namibia* 12: 391.

Type locality: Harasib 3a.



†*Mioharimys schneideri* Mein, Pickford and Senut, 2000. *Comm. Geol. Surv. Namibia* 12: 394.

Type locality: Harasib 3a.



Subfamily: †Namibimyinae

†*Namibimys angustidens* Mein, Pickford and Senut, 2000. *Comm. Geol. Soc. Namibia* 12: 398.

Type locality: Berg Aukas I.



Suborder: Anomaluromorpha

FAMILY: †PARAPEDETIDAE

†*Parapedetes* Stromer, 1923. *Sitz. Math.-Physik. Abt. Bayer. Akad. Wiss. München* 1923 (II): 261.

Type locality: Elisabethfeld.



†*Parapedetes namaquensis* Stromer, 1923. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1923(II): 261.

Type locality: Elisabethfeld.

Additional references: Pickford and Mein (2011).



FAMILY: PEDETIDAE

†*Megapedetes gariensis* Mein and Senut, 2003. *Geol. Soc. Namibia Mem.* 19: 162.

Type locality: Arrisdrift.

Additional references: Pickford and Mein (2011).



†*Oldrichpedetes brigittae* Pickford and Mein, 2011. *Estud. Geol.* 67(2): 465.

Type locality: Zebra Hill.



†*Oldrichpedetes pickfordi* Mein and Senut, 2003. *Geol. Soc. Namibia Mem.* 19: 166.

Synonyms: *Megapedetes*.

Type locality: Arrisdrift.

Additional references: Pickford and Mein (2011).



†*Propedetes* Mein and Pickford, 2008. *Geol. Surv. Namibia Mem.* 20: 242.

Type locality: Elisabethfeld.



†*Propedetes efeldensis* Mein and Pickford, 2008. *Geol. Surv. Namibia Mem.* 20: 242.

Type locality: Elisabethfeld.



†*Propedetes laetoliensis* Davies, 1987. In: Leakey and Harris. *The Pliocene Site of Laetoli, Northern Tanzania*: 172.

Synonyms: *Pedetes*.

Additional references: Pickford and Mein (2011).



Suborder: Hystricomorpha

FAMILY: †DIAMANTOMYIDAE

Subfamily: †Diamantomyinae

†*Diamantomys luederitzi* Stromer, 1921. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1921: 334.

Type locality: Sperrgebiet.

Comments: Stromer (1923: 265) refers to this taxon as *Diamantomys luederitzi* Stromer (1922, S. 334), but see note in Section 1.3 regarding journal volume numbers.



†*Pomonomys dubius* Stromer, 1921. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1921: 334.

Type locality: Grillental.

Comments: Stromer (1923: 265) refers to this taxon as *Pomonomys dubius* Stromer (1922, S. 334/5), but see note in Section 1.3 regarding journal volume numbers.



FAMILY: †BATHYERGOIDIDAE

†*Bathyergoides* Stromer, 1923. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1923(II): 263.

Type locality: Sperrgebiet.



†*Bathyergoides neotertiarius* Stromer, 1923. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1923(II): 263.

Type locality: Sperrgebiet.



†*Geofossor corvinusae* Mein and Pickford, 2003. *Geol. Soc. Namibia Mem.* 19: 144.

Type locality: Arrisdrift.



†*Geofossor moralesi* Mein and Pickford, 2008. *Geol. Surv. Namibia Mem.* 20: 262.

Type locality: Elisabethfeld.



†*Microfossor biradiculatus* Mein and Pickford, 2008. *Geol. Surv. Namibia Mem.* 20: 262.

Type locality: Elisabethfeld.



FAMILY: BATHYERGIDAE

Subfamily: Bathyerginae

†*Proheliophobius* Lavocat, 1973. *Mem. Trav. Inst. Montpellier Ecole Prat. Hautes Etudes* 1: 1–284.

Synonyms: *Paracryptomys mackennae* (see comment below).

Comments: Lavocat (1973) not seen. Mein *et al.* (2000a: 386) state:

‘Denys and Jaeger (1992) provide measurements of a bathyergid (AD 1638) from Arrisdrift, Namibia which they identify as *Paracryptomys mackennae*, citing Hamilton and Van Couvering (1977) as the source of these measurements. There are two points that should be made,



firstly, the Arrisdriift species is far too small to belong to *Paracryptomys mackennae*, which is a giant bathyergid, possibly synonymous with *Bathyergoides neotertiarius* Stromer, and secondly, the site of Arrisdriift was unknown to Hamilton and Van Couvering as it was discovered in 1976 after they had submitted their manuscript for publication. In our opinion the Arrisdriift species is close to *Proheliophobius* but is slightly larger than the type species *P. leakeyi* Lavocat, 1973. The version of Mein *et al.* (2000a) available on the Geological Survey of Namibia website at www.mme.gov.na/files/publications/5dd_Mein%20et%20al_Late%20Miocene%20micromammals_Harasib.pdf appears to be wrongly paginated.

FAMILY: †MYOPHIOMYIDAE

Subfamily: †Myophiomyinae

†*Phiomoides humilis* Stromer, 1923. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1923(II): 264.

Type locality: Sperrgebiet.



FAMILY: THRYONOMYIDAE

†*Apodecter* Hopwood, 1929. *Amer. Mus. Novit.* 344: 3.

Type locality: Lüderitz Bay (south of).



†*Apodecter stromeri* Hopwood, 1929. *Amer. Mus. Novit.* 344: 3.

Type locality: Lüderitz Bay (south of) (?Langental: Mein and Pickford, 2008c).



†*Neosciuromys africanus* Stromer, 1921. *Sitz. Math.-Physik. Klass. Bayer. Akad. Wiss. München* 1921 (II): 333.

Akad. Wiss. München 1921 (II): 333.

Synonyms: *fractus*.

Type locality: Sperrgebiet.

Additional references: Stromer (1923).



†*Paraphiomys australis* Mein, Pickford and Senut, 2000. *Comm. Geol. Surv. Namibia* 12: 378.

Surv. Namibia 12: 378.

Type locality: Harasib 3a.

Comments: the version of this publication available on the Geological Survey of Namibia website at www.mme.gov.na/files/publications/5dd_Mein%20et%20al_Late%20Miocene%20micromammals_Harasib.pdf appears to be wrongly paginated.



†*Paraphiomys orangeus* Mein and Pickford, 2003. *Geol. Soc. Namibia Mem.* 19: 143.

Type locality: Arrisdrift.



†*Paraphiomys roessneri* Mein, Pickford and Senut, 2000. *Comm. Geol. Surv. Namibia* 12: 375.

Synonyms: *Apodecter* cf.

Type locality: Harasib 3a.

Comments: the version of this publication available on the Geological Survey of Namibia website at www.mme.gov.na/files/publications/5dd_Mein%20et%20al_Late%20Miocene%20micromammals_Harasib.pdf appears to be wrongly paginated.



†*Paraulacodus johanesi* Jaeger, Michaux and Sabatier, 1980.

Palaeovertebrata 9 ext. *Mem. Jubil. R. Lavocat*: 367.



†*Phthinylla fracta* Hopwood, 1929. *Amer. Mus. Novit.* 344: 4.

Synonyms: *Neosciuromys*.

Type locality: Lüderitz Bay (south of) (?Langental: Mein and Pickford, 2008c).



FAMILY: TUFAMYIDAE

†*Efeldomys loliae* Mein and Pickford, 2008. *Geol. Surv. Namibia Mem.* 20: 259.

Type locality: Elisabethfeld.



ORDER: LAGOMORPHA

FAMILY: OCHOTONIDAE

†*Austrolagomys hendeyi* Mein and Pickford, 2003. *Geol. Soc. Namibia Mem.* 19: 172.

Synonyms: *Kenyalagomys*.

Type locality: Arrisdrift.



†*Austrolagomys inexpectatus* Stromer, 1923. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1923(II): 261.

Type locality: Sperrgebiet.

Synonyms: *Simpsoni*.

Additional references: Hopwood (1929); Mein and Pickford (2003d, 2008b).



ORDER: ERINACEOMORPHA

FAMILY: ERINACEIDAE

Subfamily: Erinaceinae

†*Amphexinus rusingensis* Butler, 1956. *Foss. Mamm. Africa* 11: 54.

Additional references: Butler (1984, 2010); Mein and Pickford (2008a).

†*Gymnurechinus leakeyi* Butler, 1956. *Foss. Mamm. Afr.* 11: 3.

Additional references: Mein and Pickford (2008a).



Subfamily: †Galericinae

†*Galerix* Pomel, 1848. *Arch. Sci. Phys. Nat. Genève* 9: 164.**ORDER: CHIROPTERA**
Suborder: Microchiroptera

FAMILY: RHINOLOPHIDAE

Rhinolophus Lacépède, 1799. *Tableau des Divisions, Sous-divisions, Ordres, et Genres des Mammifères*: 15.Additional references: Andersen (1905); Taylor *et al.* (2012).

Comments: Lacépède, 1799 not seen. Citation according to Wilson and Reeder (2005).

†*Rhinolophus contrarius* Mein and Pickford, 2003. *Geol. Surv. Namibia Mem.* 19: 115.

Type locality: Arrisdrift.



FAMILY: HIPPOSIDERIDAE

Asellia Gray, 1838. *Mag. Zool. Bot.* 2: 493.

Additional references: Thomas (1904a).

*Hipposideros gigas* Wagner, 1845. *Arch. Naturgesch.* 11(1): 148. Giant leaf-nosed bat.

FAMILY: MEGADERMATIDAE

Megaderma Geoffroy Saint-Hilaire, 1810. *Ann. Mus. Hist. Nat. Paris* 14: 197.



FAMILY: EMBALLONURIDAE

†*Taphozous incognita* Butler and Hopwood, 1957. *Foss. Mamm. Africa* 13: 29.

Synonyms: *Saccolaimus*.

Additional references: Butler (1984).



FAMILY: MOLOSSIDAE

Subfamily: Molossinae

Tadarida Rafinesque, 1814. *Précis des découvertes et travaux somiologiques*: 55.



FAMILY: VESPERTILIONIDAE

Subfamily: Myotinae

Myotis Kaup, 1829. *Skizz. Entwickel.-Gesch. Nat. Syst. Europ. Thierwelt* 1: 106.

Additional references: Gray (1842).



ORDER: †CREODONTA

FAMILY: †HYAENODONTIDAE

Subfamily: †Hyaenodontinae

†*Metapterodon kaiseri* Stromer, 1923. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1923(II): 254.

Synonyms: *Isohyaenodon*.

Type locality: Elisabethfeld.

Additional references: Lewis and Morlo (2010); Morales *et al.* (2008a); Savage (1965).

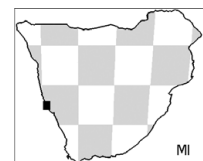


†*Metapterodon stromeri* Morales, Pickford and Soria, 1998. *C.R. Acad. Sci. Paris, Sci. Terre Plan.* 327: 634.

Synonyms: *Pterodon*.

Type locality: Langental.

Additional references: Lewis and Morlo (2010); Morales *et al.* (2008a).



Subfamily: †Hyainailourinae

†*Hyainailouros sulzeri* Biedermann, 1863. *Petrefakten aus der Umgegend von Winterthur. Zweites Heft.* 20.

Additional references: Helbing (1924); Morales *et al.* (1998b, 2003d); Morlo *et al.* (2007); Sach and Heizmann (2001).

Comments: Biedermann (1863) not seen.



FAMILY: †PRIONOGALIDAE

†*Namasector soriae* Morales, Pickford and Salesa, 2008. *Geol. Surv. Namibia Mem.* 20: 295.

Type locality: Elisabethfeld (Tortoise Site).

Comments: Werdelin and Cote (2010) are doubtful that this family should be placed in Creodonta and prefer to retain Prionogalidae as *Mammalia incertae sedis*.



ORDER: CARNIVORA

Suborder: Feliformia

FAMILY: †BARBOUROFELIDAE

†*Afrosmilus africanus* Andrews, 1914. *Quart. J. Geol. Soc. Lond.* 70: 179.

Synonyms: *Pseudaelurus*; *Metailurus*.

Additional references: Savage (1965); Werdelin and Peigné (2010).



Subfamily: †Barbourofelinae

†*Ginsburgsmilus napakensis* Morales, Salesa, Pickford and Soria, 2001.

Trans. R. Soc. Edinburgh 92: 98.

Additional references: Morales and Pickford (2018).



FAMILY: FELIDAE

†*Diamantofelis ferox* Morales, Pickford, Soria and Fraile, 1998. *Eclogae Geol. Helv.* 91(1): 36.

Type locality: Arrisdrift.

Additional references: Morales *et al.* (2003d).



†*Namafelis minor* Morales, Pickford, Fraile, Salesa and Soria, 2003. *Mem. Geol. Surv. Namibia* 19: 184.

Type locality: Arrisdrift.



Subfamily: Felinae

†*Metailurus* Zdansky, 1924. *Palaeontol. Sinica*, Series C, 2(1): 123.

Comments: publication not seen but citation confirmed by L. Werdelin (personal communication, 12 December 2016).



Subfamily: Pantherinae

Panthera leo Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1, Lion.

Additional references: Haas *et al.* (2005); Lacruz (2009).



FAMILY: †STENOPLESICTIDAE

†*Orangictis gariopensis* Morales, Pickford, Soria and Fraile, 2001.

Palaeontol. Afr. 37: 99.

Type locality: Arrisdrift.

Additional references: Werdelin and Peigné (2010).



Subfamily: †Stenoplesictinae

†*Africanictis hyaenoides* Morales, Pickford, Fraile, Salesa and Soria, 2003.

Geol. Soc. Namibia Mem. 19: 183.

Type locality: Arrisdrift.



†*Africanictis meini* Morales, Pickford, Soria and Fraile, 1998. *Eclogae*

Geol. Helv. 91: 34.

Type locality: Arrisdrift.



†*Africanictis schmidtkittleri* Morales, Pickford, Soria and Fraile, 1998.

Eclogae Geol. Helv. 91: 35.

Type locality: Arrisdrift.

Additional references: Werdelin and Peigné (2010).



FAMILY: VIVERRIDAE

†*Leptoplesictis namibiensis* Morales, Pickford and Salesa, 2008. *Geol.*

Surv. Namibia Mem. 20: 304.

Type locality: Langental.

Comments: according to Werdelin and Peigné (2010), *Leptoplesictis* is generally considered to be a herpestid rather than a viverrid, although it was placed in the latter Family by Morales *et al.* (2008a).



†*Leptoplesictis senutae* Morales, Pickford and Salesa, 2008. *Geol. Surv. Namibia Mem.* 20: 303.

Type locality: Grillental.

Comments: see under *Leptoplesictis namibiensis*.



Suborder: Caniformia

FAMILY: †AMPHICYONIDAE

†*Agnotherium* Kaup, 1833. *Déscription d'Ossements Fossiles de Mammifères* 2: 28.

Additional references: Kurtén (1976); Werdelin and Peigné (2010).



Subfamily †Amphicyoninae

†*Amphicyon giganteus* Schinz, 1825. In: Cuvier, *Thierreich* IV: 342.

Synonyms: *Pseudocyon*; *steinheimensis*.

Additional references: Werdelin and Peigné (2010).



†*Hecubides euryodon* Savage, 1965. *Foss. Mamm. Africa* 19: 189.

Additional references: Morales *et al.* (2016).



†*Ysengrinia* Ginsburg, 1965. *Bull. Mus. Natl d'Hist. Nat., Series 2*, 37(4): 727.

Additional references: Werdelin and Peigné (2010).



†*Ysengrinia ginsburgi* Morales, Pickford, Soria, and Fraile, 1998. *Eclogae Geol. Helv.* 91(1): 30.

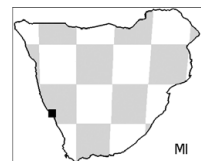
Type locality: Arrisdrift.



FAMILY: MUSTELIDAE

†*Namibictis senuti* Morales, Pickford, Soria, and Fraile, 1998. *Eclogae Geol. Helv.* 91(1): 32.

Type locality: Arrisdrift.



ORDER: PERISSODACTYLA**FAMILY: EQUIDAE**

†*Eurygnathohippus cornelianus* Van Hoepen, 1930. *Paleontol. Nav. Nas. Mus. Bloemfontein* 2(2): 23.

Synonyms: *Hipparion*; *Stylohipparion*; *hipkini*; *libycum*; *sitifense* in part?; *steytleri*.

Type locality: Cornelia.

Additional references: Bernor *et al.* (2010); Churcher (1970, 2000); Churcher and Watson (1993); Franz-Odenaal *et al.* (2003); Pomel (1897); Van Hoepen (1932a).

Comments: the material from Hondeklip Bay was doubtfully ascribed by Pickford and Senut (1997) to *Hipparion sitifense*, which Bernor *et al.* (2010) consider a *nomen dubium*. See also the comment under *Hipparion* below.

**FAMILY: RHINOCEROTIDAE****Subfamily: Rhinocerotinae**

†*Brachypotherium* Roger, 1902. *Ber. Naturwiss. Ver. Schwaben und Neuburg* 36: 12.



†*Brachypotherium heinzeli* Hooijer, 1963. *Ann. Mus. Roy. Afr. Cent., Tervuren Sci. Géol.* 46: 45.

Synonyms: *lewisi*?

Additional references: Geraads (2010a); Guérin (2008); Heissig (1971); Hooijer (1973).



†*Chilotheridium pattersoni* Hooijer, 1971. *Bull. Mus. Comp. Zool.* 144: 342.

Additional references: Geraads (2010a); Guérin (2003, 2008); Hooijer (1973).



†*Diceros australis* Guérin, 2000. *Palaeontol. Afr.* 36: 122.

Synonyms: *Dicerorhinus*.

Type locality: Arrisdrift.

Additional references: Geraads (2010a); Guérin (2003).



†*Diceros praecox* Hooijer and Patterson, 1972. *Bull. Mus. Comp. Zool.* 144: 19.

Synonyms: *Ceratotherium*.

Additional references: Geraads (2005, 2010a); Guérin (1987); Hooijer (1972, 1973); Pickford and Senut (1997).



†*Turkanatherium acutirostrum* Deraniyagala, 1951. *Spol. Zeyl.* 26(2): 134.

Synonyms: *Aceratatherium*.

Additional references: Geraads (2010a); Guérin (2008); Hooijer (1973).



ORDER: ARTIODACTYLA

†*Namibiomeryx senuti* Morales, Soria and Pickford, 1995. *C. R. Acad. Sci. Paris, Série Ila*, 321: 1211.

Type locality: Elisabethfeld.

Additional references: Cote (2010).



†*Namibiomeryx spaggiarii* Morales, Soria and Pickford, 2008. *Mem. Geol. Surv.* 20: 442.

Type locality: Langental.



†*Orangemeryx hendeyi* Morales, Soria and Pickford, 1999. *Geodiversitas*, Series 21, 2: 241.

Synonyms: *Climacoceras*.

Type locality: Arrisdrift.

Additional references: Azanza *et al.* (2003); Cote (2010); Hamilton (1978); MacInnes (1936); Morales *et al.* (2003d).



Subfamily: †Sperrgebietomerycinae

†*Sperrgebietomeryx wardi* Morales, Soria and Pickford, 1999.

Geodiversitas, Series 21, 2: 232.

Type locality: Elisabethfeld.

Additional references: Cote (2010).



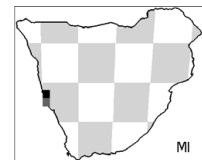
FAMILY: †CLIMACOCERATIDAE

Subfamily: †Propalaeorycinae

†*Propalaeoryx austroafricanus* Stromer, 1923. *Sitz. Math.-Physik. Klasse Bayer. Akad. Wiss. München* 1923(II): 256.

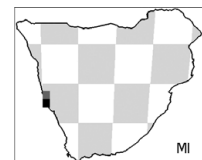
Type locality: Elisabethfeld.

Additional references: Cote (2010).



†*Propalaeoryx stromeri* Morales, Soria and Pickford, 2008. *Geol. Surv. Namibia Mem.* 20: 410.

Type locality: Langental.



FAMILY: SUIDAE

Subfamily: †Kubanochoerinae

†*Kenyasus namaquensis* Pickford and Senut, 1997. *Palaeontol. Afr.* 34: 208.

Type locality: Ryskop.

Additional references: Bishop (2010); Pickford (1986).



†*Kenyasus rusingensis* Pickford, 1986. *Tert. Res. Spec. Pap.* 7: 24.

Additional references: Bishop (2010); Pickford and Senut (1997).



†*Nguruwe namibensis* Pickford, 1986. *Tert. Res. Spec. Pap.* 7: 25.

Synonyms: *Hyotherium*; *Kenyasus*; *kijivium*.

Type locality: Langental.

Additional references: Bishop (2010); Pickford (1997, 2003e, 2008e).



Subfamily: †Namachoerinae

†*Namachoerus moruoroti* Wilkinson, 1976. *Foss. Vert. Afr.* 4: 173–282.

Synonyms: *Lopholistriodon*.

Additional references: Pickford (1987, 1995, 2003f).



Subfamily: †Tetraconodontinae

†*Nyanzachoerus kanamensis* Leakey, 1958. *Foss. Mamm. Afr.* 14: 10.

Additional references: Bishop (2010); Harris and White (1979).



FAMILY: †ANTHRACOTHERIIDAE

†*Brachyodus aequatorialis* MacInnes, 1951. *Foss. Mamm. Afr.* 4: 3.

Synonyms: *Masritherium*.

Additional references: Holroyd *et al.* (2010); Madden *et al.* (1983); Pickford (1991a, 1996b, 2015f).



†*Brachyodus depereti* Fourtau, 1918. *Contribution à l'étude des vertébrés miocènes de l'Égypte*: 64.

Synonyms: *Masritherium*.

Additional references: Holroyd *et al.* (2010); Miller *et al.* (2014); Pickford (2003d, 2008d).

Comments: Fourtau (1918) not seen. M. Pickford (personal communication 1 December 2016) believes that the earliest evidence for the transfer of this species to *Brachyodus* is that given by Dineur (1982).



FAMILY: †SANITHERIIDAE

†*Diamantohyus africanus* Stromer, 1921. *Sitz. Math.-Physik. Klass. Bayer. Akad. Wiss. München* 1921 (II): 332.

Type locality: Sperrgebiet?

Additional references: Bishop (2010); Pickford (1984, 1997, 2004, 2008f).

Comments: this taxon has been ascribed to Stromer (1926) by Bishop (2010) and others.



FAMILY: TRAGULIDAE

†*Dorcatherium moruorotensis* Pickford, 2001. *Geobios* 34(4): 437.

Additional references: Geraads (2010b); Quiralte *et al.* (2008).



†*Dorcatherium parvum* Whitworth, 1958. *Foss. Mamm. Afr.* 15: 11.

Additional references: Geraads (2010b); Quiralte *et al.* (2008).



†*Dorcatherium pigotti* Whitworth, 1958. *Foss. Mamm. Afr.* 15: 9.

Additional references: Geraads (2010b); Morales *et al.* (2003d); Pickford *et al.* (1996); Quiralte *et al.* (2008).



†*Dorcatherium songhorensis* Whitworth, 1958. *Foss. Mamm. Afr.* 15: 14.

Additional references: Quiralte *et al.* (2008).



FAMILY: BOVIDAE

†*Namacerus gariopensis* Morales, Soria, Pickford and Nieto, 2003. *Geol. Surv. Namibia Mem.* 19: 372.

Type locality: Arrisdrift.

Additional references: Gentry (2010).



Subfamily: Alcelaphinae

†*Damalacra acalla* Gentry, 1980. *Ann. S. Afr. Mus.* 79(8): 272.

Type locality: Langebaanweg.

Additional references: Brink and Stynder (2009).



Subfamily: Antilopinae

†*Homoiodorcas* Thomas, 1981. *Proc. Kon. Nederl. Akad. Weten. Ser. B. Phys. Sci.* 84(3): 364.



Subfamily: Bovinae

†*Ugandax demissum* Gentry, 1980. *Ann. S. Afr. Mus.* 79(8): 233.

Synonyms: *Simatherium*.

Type locality: Langebaanweg.

Additional references: Gentry (2006, 2010); Geraads (1992); Pickford and Senut (1997).



3.2 MIOCENE SITES

The 25 Miocene sites are restricted to west of 20°E and north of about 30°S (Figure 3.1). Particularly rich sites are Harasib 3a in the north, and Arrisdrift, Langental and Grillental in the south. Exploration of the southern African Miocene began fairly early, notably with the work of Stromer (1921), but Corvinus (1978) and Hendey (1978c) started what might be described as the modern era. However, the discovery of *Otavipithecus namibiensis* at Berg Aukas (Conroy *et al.* 1996) provided the impetus for the subsequent work undertaken by Martin Pickford and colleagues (see references), which greatly expanded coverage of the Miocene in the region.

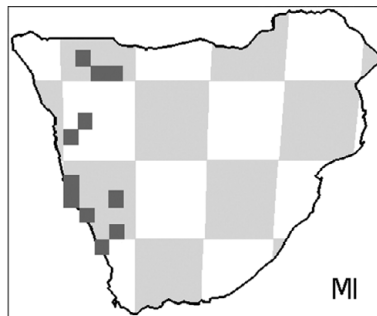


Figure 3.1 Location of Miocene sites.

Arrisdrift (2828:1642). Taxa: *Africanictis hyaenoides*; *Africanictis meini*; *Africanictis schmidtkittleri*; *Fromastodon coppensi*; *Afrosmilus africanus*; *Amphechinus rusingensis*; *Amphicyon giganteus*; *Amphiorcyteropus*; *Apodecter stromeri* cf.; *Austrolagomys hendeyi*; *Bathyergoides*; *Brevirhynchocyon jacobi*; *Chilotheridium pattersoni* cf.; *Choerolophodon pygmaeus*; *Diamantofelis ferox*; *Diamantomys luederitzi*; *Diceros australis*; *Dorcatherium pigotti*; *Eozygodon morotoensis*; *Geofossor corvinusae*; *Homoiodorcas* cf.; *Hyainailouros sulzeri*; *Megapedetes gariensis*; *Metailurus*; *Miorhynchocyon gariensis*; *Myohyrax oswaldi*; *Namacerus gariensis*; *Namachoerus moruoroti*; *Namafelis minor*; *Namibictis senuti*; *Nguruwe namibensis*; *Oldrichpedetes pickfordi*; *Orangemeryx hendeyi*; *Orangictis*

gariensis; *Palaeothentoides*?; *Parapedetes*; *Paraphiomys orangeus*; *Prochrysochloris miocaenicus* cf.; *Prodeinotherium hobleyi*; *Proheliophobius*; *Prohyrax hendeyi*; *Protarsomys lavocati*; *Protenrec butleri*; *Rhinolophus contrarius*; *Vulcanisciurus*; *Ysengrinia ginsburgi*. References: Corvinus (1978); Guérin (2003); Harris (1977); Hendey (1978c, 1984); Mein and Pickford (2003b, 2003c); Morales *et al.* (2001a); Morales *et al.* (2003b–2003d); Pickford (2003a, 2003c, 2003e, 2005a); Pickford *et al.* (1996); Pickford and Senut (1999, 2003); Senut (2003); Senut and Georgalis (2014).

Auchas (2816BC?). Taxa: *Brachyodus depereti*; *Brachypotherium*?; *Diamantofelis*; *Diamantomys luederitzi*; *Eozygodon morotoensis*; *Megapedetes*; *Prodeinotherium hobleyi*; *Progomphotherium maraisi*; *Prohyrax hendeyi*. References: Guérin (2003); Morales *et al.* (2008a); Pickford (2003b, 2003c); Pickford and Senut (2003); Pickford *et al.* (1995).

Baken (2829:1647). Taxa: *Prohyrax hendeyi*. References: Pickford (2003b).

Berg Aukas (1931:1815). Taxa: *Apodecter*; *Asellia*; *Dakkamyoides*; *Elephantulus*; *Galerix*; *Harasibomys*; *Heterohyrax auricampensis*; *Hipposideros gigas* cf.; *Megaderma*; *Myocricetodon*; *Myotis*; *Namibimys angustidens*; *Notocricetodon*; *Otaviipithecus namibiensis*; *Parapliohyrax*; *Protarsomys*; *Rhinolophus*; *Saccostomus* cf.; *Steatomys* cf.; *Tadarida*; *Taphozous incognita*; *Vulcanisciurus*. References: Conroy *et al.* (1996); Grine *et al.* (1995); Mein *et al.* (2000b); Pickford and Senut (2010); Senut *et al.* (1992).

Bogenfels (2728:1523). Taxa: *Propalaeoryx austroafricanus*. References: Cooke (1955).

Bohrloch des Betriebes 4 (2205:1617). Taxa: *Myohyrax oswaldi*; *Neosciuromys africanus*; *Phiomyoides humilis*. References: Mein and Pickford (2008c); Senut (2003).

Bosluis Pan (2953:1858). Taxa: *Afrochoerodon kisumuensis* aff.; *Choerolophodon pygmaeus*; *Myohyrax oswaldi*. References: Pickford (2005a); Senut *et al.* (1996).

E-Bay [Elisabethbucht?](2615CC). Taxa: *Apodecter stromeri*; *Phiomyoides humilis*; *Protarsomys macinnesi*. References: Mein and Pickford (2008c).

Elisabethfeld (2658:1515). Taxa: *Afrohyrax namibiensis*; *Apodecter stromeri*; *Austrolagomys inexpectatus*; *Bathyergoides neotertiarius*; *Brevirhynchocyon jacobi*; *Diamantohyus africanus*; *Diamantomys luederitzi*; *Efeldomys loliae*; *Eozygodon morotoensis*; *Geofossor moralesi*; *Hecubides euryodon*; *Mesochoerus lategani*; *Metapterodon kaiseri*; *Microfossor biradiculatus*; *Myohyrax oswaldi*; *Namasector soriae*; *Namibiomyx senuti*; *Neosciuromys africanus*; *Nguruwe namibensis*; *Parapedetes namaquensis*; *Phiomyoides humilis*; *Phthinynlla fracta*; *Prochrysochloris miocaenicus* cf.; *Prohyrax tertarius*; *Promicrogale namibiensis*; *Propalaeoryx austroafricanus*; *Propedetes efeldensis*; *Protarsomys macinnesi*; *Protenrec butleri*; *Protypotheroides beetzi*; *Sperrgebietomyx wardi*; *Vulcanisciurus africanus*; *Ysengrinia*. References: Mein and Pickford (2008a, 2008c); Morales *et al.* (2008a, 2008b, 2016); Pickford (2008b, 2008c, 2008e); Pickford and Senut (2008, 2018); Senut (2008); Senut and Georgalis (2014).

Etosha Pan (1816CA). Taxa: *Damalacra acalla*; *Loxodonta cookei* cf.; *Panthera leo* cf. References: Pickford *et al.* (2014).

Fiskus (2615CA). Taxa: *Afrohyrax namibiensis*; *Afrosmilus africanus*; *Bathyergoides neotertiarius*; *Diamantohyus africanus*; *Myohyrax oswaldi*; *Neosciuromys africanus*; *Nguruwe namibensis*; *Propalaeoryx stromeri*; *Protypotheroides beetzi*; *Turkanatherium acutirostrum*; *Ysengrinia*. References: Guérin (2008); Morales *et al.* (2008a, 2008b); Pickford (2008e); Pickford and Senut (2008, 2018); Senut (2008).

- Glastal** (2715). Taxa: *Diamantomys luederitzi*; *Neosciuromys africanus*. References: Mein and Pickford (2008c).
- GP Pan North** (2829:1632). Taxa: *Propedetes laetoliensis*. References: Pickford and Mein (2011).
- Grillental** (2715AB). Taxa: *Afrohyrax namibiensis*; *Afrosmilus africanus*; *Apodecter stromeri*; *Austrolagomys inexpectatus*; *Bathyergoides neotertiarius*; *Brachyodus aequatorialis*; *Brachyodus depereti*; *Brachypotherium heinzlini*; *Chilotheridium pattersoni*; *Diamantohyus africanus*; *Diamantomys luederitzi*; *Dorcatherium moruorotensis* cf.; *Dorcatherium songhorensis*; *Geofossor moralesi*; *Ginsburgsmilus napakensis*; *Gymnurechinus leakeyi*; *Hecubides euryodon*; *Hypsorhynchocyon burrelli*; *Leptoplesictis senutae*; *Metapterodon*; *Myohyrax oswaldi*; *Neosciuromys africanus*; *Nguruwe namibensis*; *Orycteropus*; *Phiomyoides humilis*; *Phthinylla fracta*; *Pomonmys dubius*; *Prohyrax tertarius*; *Propalaeoryx stromeri*; *Protarsomys macinnesi*; *Protenrec butleri*; *Protypotheroides beetzi*; *Vulcanisciurus africanus*; *Ysengrinia*. References: Guérin (2008); Mein and Pickford (2008a–2008c); Morales and Pickford (2018); Morales *et al.* (2008a, 2016); Pickford (2008a, 2008b, 2008d–2008f); Pickford and Senut (2008); Senut (2008).
- Groenrivier** (2718BD). Taxa: *Ugandax demissum*. References: Pickford and Senut (1997).
- Harasib 3a** (1934:1748). Taxa: *Afaromys guillemoti* cf.; *Apodecter* cf.; *Dendromus denysae*; *Harasibomys petteri*; *Harimyscus hoali*; *Heteroxerus karsticus*; *Microcolobus?*; *Mioharimys milleri*; *Mioharimys schneideri*; *Myocricetodon*; *Nakalimys lavocati*; *Namibimys angustidens*; *Otaviglis daamsi*; *Otavimys senegasi*; *Paraphiomys australis*; *Paraphiomys roessneri*; *Paraulacodus johanesi* cf.; *Petromyscus*; *Preacomys griffini*; *Preacomys karsticus*; *Preacomys kikiae*; *Propedetes*; *Rhinolophus*; *Saccostomus geraadsi*; *Steatomys harasibensis*; *Steatomys jaegeri*. References: Conroy *et al.* (1993); Pickford and Mein (2011); Pickford and Senut (2010); Pickford *et al.* (1994); Senut *et al.* (1992).
- Hondeklip Bay** (3017AD). Taxa: *Agnotherium*; *Anancus kenyensis*; *Diceros praecox*; *Eurygnathohippus cornelianus* cf.; *Loxodonta*; *Nyanzachoerus kanamensis*; *Ugandax demissum?*. References: Pether (1994); Pickford and Senut (1997).
- Karingarab** (2812:1621). Taxa: *Propedetes laetoliensis*. References: Pickford and Mein (2011).
- Langental** (2724:1524). Taxa: *Afrosmilus africanus*; *Amphechinus rusingensis*; *Apodecter stromeri*; *Austrolagomys inexpectatus*; *Bathyergoides neotertiarius*; *Brachyodus aequatorialis*; *Brachypotherium heinzlini*; *Diamantohyus africanus*; *Diamantomys luederitzi*; *Dorcatherium parvum* cf.; *Dorcatherium songhorensis*; *Geofossor moralesi*; *Gymnurechinus leakeyi*; *Hecubides euryodon*; *Leptoplesictis namibiensis*; *Megapedetes garipeensis*; *Metapterodon stromeri*; *Myohyrax oswaldi*; *Myohyrax pickfordi*; *Namibiomyx spaggiarii*; *Neosciuromys africanus*; *Nguruwe namibensis*; *Phiomyoides humilis*; *Phthinylla fracta*; *Pomonmys dubius*; *Prochrysochloris miocaenicus* cf.; *Prohyrax tertarius*; *Propalaeoryx stromeri*; *Propedetes efeldensis*; *Protarsomys macinnesi*; *Protenrec butleri*; *Protypotheroides beetzi*; *Vulcanisciurus africanus*; *Ysengrinia*. References: Guérin (2008); Mein and Pickford (2008a, 2008b); Morales *et al.* (2008a, 2016); Pickford (2003b, 2003d–2003f); Pickford and Senut (2008); Senut (2008).
- Lüderitz Bay (south of)** (2615). Taxa: *Apodecter stromeri*; *Austrolagomys inexpectatus*; *Phthinylla fracta*. References: Hopwood (1929); Mein and Pickford (2008c).
- Nova** (3017AD). Taxa: *Paraphiohyrax ngororaensis*. References: Pickford (2003f).

- Roilepel** (2818:1635). Taxa: *Amphiorcyteropus*; *Propedetes efeldensis*; *Propedetes laetoliensis*. References: Lehmann (2009); Pickford (1996b); Pickford and Mein (2011).
- Ryskop** (3018:1718). Taxa: *Kenyapithecus* cf.; *Kenyasus namaquensis*; *Kenyasus rusingensis*; *Nguruwe namibensis*; *Prodeinotherium hobleiyi*; *Ugandax demissum*. References: Pickford (2003e); Pickford and Senut (1997); Senut *et al.* (1997).
- Swartlintjies 2** (3018:1718). Taxa: *Anancus kenyensis*; *Diceros praecox*. References: Pickford and Senut (1997).
- Zebra Hill** (2337:1538). Taxa: *Oldrichpedetes brigittae*. References: Pickford and Mein (2011).

CHAPTER 4

The Pliocene

4.1 PLIOCENE MAMMALS

By the Pliocene, all Orders were extant and only four extinct families remained, two in the Proboscidea and one each in the Carnivora and the Perissodactyla (odd-toed ungulates). However, at lower taxonomic ranks, there remained a high proportion of extinct taxa, e.g. 50 per cent of genera and 69 per cent of species in the Carnivora, and 47 per cent and 73 per cent respectively in the Artiodactyla (see Table 7.1). The Tubulidentata (aardvarks) and Soricomorpha were not represented and the number of Rodentia families was at its lowest level. Conversely, the number of Carnivora families increased to seven, its highest at any time, making it the most diverse Order during the epoch. The number of genera rose to 28 and species more than trebled compared to the Miocene, while the number of Artiodactyla genera was double that in the Miocene. Although there were fewer Rodentia families, those present contained far fewer extinct genera, and more species overall.

ORDER: AFROSORICIDA
Suborder: Chrysochloridea
FAMILY: CHRYSOCHLORIDAE
Subfamily: Chrysochlorinae

†*Chrysochloris arenosa* Asher and Avery, 2010. *Palaeontol. Electr.* 13(1)
3A: 5.

Type locality: Langebaanweg.



†*Chrysochloris bronneri* Asher and Avery, 2010. *Palaeontol. Electr.* 13(1)
3A: 8.

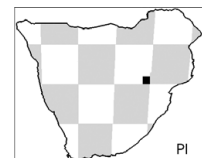
Type locality: Langebaanweg.



Subfamily: Amblyomyinae

†*Amblysomus hamiltoni* De Graaff, 1958. *Palaeontol. Afr.* 5: 22.
Synonyms: *Chrysosticha*.

Type locality: Limeworks Makapansgat dumps.



ORDER: MACROSCELIDEA**FAMILY: MACROSCELIDIDAE****Subfamily: Macroscelidinae**

†*Elephantulus antiquus* Broom, 1948. *Ann. Transvaal Mus.* 21(1): 5.

Type locality: Bolt's Farm.

Additional references: Patterson (1965).



Elephantulus brachyrhynchus Smith, 1836. *Report of the Expedition for Exploring Central Africa*: 42. Short-snouted elephant shrew.

Synonyms: *Macroscelides*.

Type locality: Kuruman to southern Botswana.

Additional references: Smith (1849).



†*Elephantulus broomi* Corbet and Hanks, 1968. *Bull. Brit. Mus. Nat. Hist. Zool.* 16: 54.

Synonyms: *Elephantomys langi*.

Type locality: Schurveberg.



Elephantulus fuscus Peters, 1851. *Reise nach Mossambique, Säugethiere*: 87. Dusky elephant shrew.

Type locality: Boror.



Macroscelides proboscideus Shaw, 1800. *Gen. Zool. Syst. Nat. Hist.* 1(2) Mammalia: 536. Short-eared elephant shrew.

Synonyms: *typicus*.

Additional references: Roberts (1933, 1938).



†*Palaeothentoides africanus* Stromer, 1931. *Sitzungsber. Bayer. Akad. Wiss. München. Math.-Nat. Abt.* 1931: 185.

Type locality: Kleinzee.

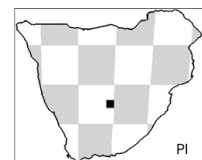
Additional references: Holroyd (2010a); Patterson (1965).

**Subfamily: Mylomygalinae**

†*Mylomygale spiersi* Broom, 1948. *Ann. Transvaal Mus.* 21(1): 8.

Type locality: Taung.

Additional references: Holroyd (2010a); Patterson (1965).



ORDER: HYRACOIDEA**FAMILY: PROCAVIIDAE**

†*Gigantohyrax maguirei* Kitching, 1965. *Palaeontol. Afr.* 9: 91.

Type locality: Limeworks Makapansgat.

Additional references: Rasmussen and Gutiérrez (2010).



†*Procavia antiqua* Broom, 1934. *S. Afr. J. Sci.* 31: 472.

Synonyms: *Prohyrax*; *robertsi*.

Type locality: Taung.

Additional references: Broom (1948a); Churcher (1956); McMahon and Thackeray (1994); Rasmussen and Gutiérrez (2010); Schwartz (1997).



†*Procavia pliocenica* Pickford, 2005. *Palaeontol. Afr.* 41: 142.

Type locality: Langebaanweg.



†*Procavia transvaalensis* Shaw, 1937. *J. Dental Res.* 16: 40.

Synonyms: *obermeyerae*.

Type locality: Taung.

Additional references: Churcher (1956); McMahon and Thackeray (1994).

**ORDER: PROBOSCIDEA****FAMILY: †DEINOTHERIIDAE****Subfamily: †Deinotheriinae**

†*Prodeinotherium hobleiy* Andrews, 1911. *Proc. Zool. Soc. Lond.* 1911: 944.

Synonyms: *Deinotherium*; *Dinotherium*.

Additional references: Éhik (1930); Harris (1977); Sanders *et al.* (2010a).

**FAMILY: ELEPHANTIDAE****Subfamily: Elephantinae**

Elephas Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 33.

Synonyms: *Archidiskodon*; *Palaeoloxodon*.

Additional references: Cooke (1961); Todd (2010).



†*Loxodonta cookei* Sanders, 2007. *Trans. R. Soc. S. Afr.* 62(1): 7.

Synonyms: *Lukeino Stage*.

Type locality: Langebaanweg.

Additional references: Pickford and Senut (1997); Sanders *et al.* (2010a); Todd (2010).



†*Mammuthus subplanifrons* Osborn, 1928. *Nature* 121: 672–673.

Synonyms: *Archidiskodon*; *Elephas*; *Mastodon*; *Stegodon*; *andrewsi*; *milletti*; *proplanifrons*; *scotti*; *vanalpheni*.

Type locality: Sydney-on-Vaal.

Additional references: Dart (1929b); Maglio and Henkey (1970); Meiring (1955); Osborn (1934, 1942); Sanders (2007); Sanders *et al.* (2010a); Todd (2010).



FAMILY: †GOMPHOTHERIIDAE

Subfamily: †Anancinae

†*Anancus capensis* Sanders, 2007. *Trans. R. Soc. S. Afr.* 62(1): 1.

Type locality: Langebaanweg.

Additional references: Sanders *et al.* (2010a).



ORDER: PRIMATES

Suborder: Haplorrhini

FAMILY: CERCOPITHECIDAE

Subfamily: Cercopithecinae

Cercocebus Geoffroy Saint-Hilaire, 1812. *Ann Mus. Hist. Nat. Paris* 19: 97.

Additional references: Jablonsky and Frost (2010).

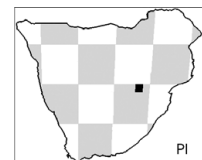


†*Dinopithecus ingens* Broom, 1937. *S. Afr. J. Sci.* 33: 753.

Synonyms: *Papio*.

Type locality: Schurveberg.

Additional references: Freedman and Brain (1977); Gilbert (2013); Gommery and Bento da Costa (2016); Jablonsky and Frost (2010).



†*Papio izodi* Gear, 1926. *S. Afr. J. Sci.* 23: 746.

Synonyms: *Gorgopithecus*; *Parapapio*; *angusticeps*; *wellsi*.

Type locality: Taung.

Additional references: Adams *et al.* (2013); Cooke (1990); Freedman (1965); Gilbert (2013); Gilbert *et al.* (2015); Gilbert *et al.* (2016b); Heaton (2006); Jablonsky and Frost (2010); McKee (1993b); McKee and Keyser (1994).

Comments: known material from Kromdraai is referred to *Papio (hamadryas) angusticeps* and a new specimen to *Papio hamadryas* ssp. indet. by Singleton *et al.* (2016).



†*Parapapio* Jones, 1937. *S. Afr. J. Sci.* 33: 726.

Type locality: Sterkfontein.

Additional references: Grine and Hendeby (1981); Jablonsky and Frost (2010).



†*Parapapio broomi* Jones, 1937. *S. Afr. J. Sci.* 33: 727.

Synonyms: *Brachygnathopithecus peppercorni*; *Gorgopithecus*; *makapani*.

Type locality: Sterkfontein.

Additional references: Freedman (1965, 1976); Freedman and Stenhouse (1972); Gilbert (2013); Gommery and Bento da Costa (2016); Heaton (2006); Jablonsky and Frost (2010); Maier (1970); Thackeray and Myer (2004).



†*Parapapio jonesi* Broom, 1940. *Ann. Transvaal Mus.* 20: 93.

Type locality: Sterkfontein.

Additional references: Freedman and Brain (1977); Freedman and Stenhouse (1972); Gilbert (2013); Heaton (2006); Jablonsky and Frost (2010); Maier (1970); Thackeray and Myer (2004).



†*Parapapio whitei* Broom, 1940. *Ann. Transvaal Mus.* 20: 90.

Type locality: Sterkfontein.

Additional references: Freedman (1965); Freedman and Stenhouse (1972); Gilbert (2013); Heaton (2006); Jablonsky and Frost (2010); Maier (1970).



†*Procercocoebus antiquus* Houghton, 1924. *Trans. R. Soc. S. Afr.* 12: lxxviii.

Synonyms: *Gorgopithecus*; *Papio*; *Parapapio*.

Type locality: Taung.

Additional references: Cooke (1990); Freedman (1965, 1976); Gilbert (2007a, 2013); Gilbert *et al.* (2016b); Gommery and Bento da Costa (2016); Heaton (2006); Maier (1971).



†*Theropithecus darti* Broom and Jensen, 1946. *Ann. Transvaal Mus.* 20: 340.

Synonyms: *Papio*; *Simopithecus*.

Type locality: Limeworks Makapansgat.

Additional references: Gilbert (2013); Jablonsky and Frost (2010); Maier (1970, 1972).

Comments: Gilbert (2013) accepts the case for making this species a subspecies of *T. oswaldi* though Gommery and Bento da Costa (2016) continue to consider it a full species.



†*Theropithecus oswaldi* Andrews, 1916. *Ann. Mag. Nat. Hist.*, Series 8, 18: 417.

Synonyms: *Parapapio coronatus?*; *Simopithecus*; *danieli*; *leakeyi*.

Additional references: Broom and Robinson (1948); Dechow and Singer (1984); Freedman (1957, 1976); Freedman and Brain (1977); Frost *et al.* (2017); Gilbert (2007b, 2013); Heaton (2006); Hopwood (1934); Jablonsky and Frost (2010); Leakey (1943a).



Subfamily: Colobinae

†*Cercopithecoides williamsi* Mollett, 1947. *S. Afr. J. Sci.* 43: 298.

Synonyms: *molletti*.

Type locality: Limeworks Makapansgat.

Additional references: Freedman (1961, 1965); Freedman and Brain (1977); Gommery and Bento da Costa (2016); Jablonsky and Frost (2010); Kuykendall and Rae (2008); Maier (1970); Von Mayer (1998).



FAMILY: HOMINIDAE

Subfamily: Homininae

†*Australopithecus* Dart, 1925. *Nature* 114: 195–199.

Type locality: Taung.

Additional references: Clarke (1999, 2002, 2008).



†*Australopithecus africanus* Dart, 1925. *Nature* 114: 195–199.

Synonyms: *Plesianthropus*; *prometheus*; *transvaalensis*.

Type locality: Taung.

Additional references: Broom (1929, 1939a); Broom and Robinson (1949a, 1949c); Clarke and Tobias (1995); Dart (1929a, 1948a, 1954, 1959); Häusler and Berger (2001); Lockwood and Tobias (1999, 2002); MacLachy *et al.* (2010); Toussaint *et al.* (2003).



ORDER: RODENTIA

Suborder: Myomorpha

FAMILY: NESOMYIDAE

Subfamily: Delanymyinae

†*Stenodontomys darti* Lavocat, 1956. *Palaeontol. Afr.* 4: 71.

Synonyms: *Mystromys*.

Type locality: Limeworks Makapansgat.



†*Stenodontomys saldanhae* Pocock, 1987. *Palaeontol. Afr.* 26(7): 89.

Type locality: Langebaanweg.

Additional references: Denys (1994b).



Subfamily: Dendromurinae

†*Dendromus antiquus* Broom, 1946. *Mem. Transvaal Mus.* 2: 29.

Type locality: Taung.

Comments: originally named by Broom (1946) but not formally described according to De Graaff (1961a).



†*Dendromus averyi* Denys, 1994. *Palaeovertebrata* 23(1–4): 163.
Type locality: Langebaanweg.



†*Dendromus darti* Denys, 1994. *Palaeovertebrata* 23(1–4): 163.
Type locality: Langebaanweg.



Dendromus mesomelas Brants, 1827. *Het Geslacht der Muizen door Linnaeus Opgesteld*: 122. Brants' African climbing mouse.
Synonyms: *ayresi*; *typica*.
Type locality: Sunday's River, east of Port Elizabeth.
Additional references: Smith (1849).



†*Malacothrix makapani* De Graaff, 1961. *Palaeontol. Afr.* 7: 86.
Type locality: Limeworks Makapansgat.



Malacothrix typica Smith, 1834. *S. Afr. Quart. J., Series 2*, 2: 148. Large-eared African desert mouse.
Type locality: Graaff Reinet District.
Additional references: Roberts (1932).



Steatomys pratensis Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258. Common African fat mouse.
Synonyms: *natalensis*; *opimus*.
Type locality: Tete.
Comments: material from Botswana was identified as *Steatomys opimus* but, as currently understood, this species is almost entirely confined to West Africa (Musser and Carleton 2005).



Subfamily: Mymomyinae

Mystromys albicaudatus Smith, 1834. *S. Afr. Quart. J., Series 2*, 2: 148.
African white-tailed rat.
Synonyms: *Otomys*; *antiquus*.
Type locality: Albany District.
Additional references: De Winton (1898); Grubb (2004); Smith (1849).



†*Mystromys hausleitneri* Broom, 1937. *S. Afr. J. Sci.* 33: 766.
Synonyms: *hauslichtneri*.
Type locality: Schurveberg.
Additional references: Broom (1948a).



†*Mystromys pocockei* Denys, 1991. *C. R. Acad. Sci. Paris, Série IIa*, 313: 1337.

Type locality: Langebaanweg.



†*Proodontomys cookei* Pocock, 1987. *Palaeontol. Afr.* 26(7): 82.

Type locality: Limeworks Makapansgat.



FAMILY: MURIDAE

Subfamily: Deomyinae

Acomys Geoffroy Saint-Hilaire, 1838. *Ann. Sci. Nat. Zool. Paris, Series 2*, 10: 126.

Additional references: Chevret *et al.* (1993a); Dippenaar and Rautenbach (1986).



†*Acomys mabele* Denys, 1990. *Palaeontographica Abt. A* 210(1–3): 82.

Type locality: Langebaanweg.



Acomys spinosissimus Peters, 1852. *Naturwissenschaftliche Reise nach Mossambique*: 160. Southern African spiny mouse.

Synonyms: *Cahirinus selousi*; *transvaalensis*.

Type locality: Tete and Buio.

Additional references: Dippenaar and Rautenbach (1986).



Subfamily: Gerbillinae

Desmodillus Thomas and Schwann, 1904. *Abstr. Proc. Zool. Soc. Lond.* 1904(2): 6.

Synonyms: *Gerbillus*; *Pachyuromys*.

Additional references: Pavlinov (2001).



Desmodillus auricularis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 160. Short-eared gerbil.

Synonyms: *Gerbillus*; *brevicaudatus*.

Type locality: Kamiesberg.

Additional references: Griffin (1990); Qumsiyeh (1986); Smith (1849).



†*Desmodillus magnus* Denys and Matthews, 2017. *Palaeovertebrata* 41(1): e1–5.

Type locality: Langebaanweg.



***Gerbilliscus* Thomas, 1897.** *Proc. Zool. Soc. Lond.* 1897: 433.

Synonyms: *Gerbillus*; *Tatera*.



***Gerbilliscus brantsii* Smith, 1836.** *Report of the Expedition for Exploring Central Africa*: 43. Highveld gerbil.

Synonyms: *Gerbillus*; *Tatera*; *montanus*.

Type locality: Ladybrand.

Additional references: Davis (1949, 1965); Griffin (1990); Qumsiyeh (1986); Roberts (1926); Smith (1849).



Subfamily: Murinae

†***Aethomys adamanticola* Denys, 1990.** *Ann. Paleontol.* 76(1): 45.

Type locality: Langebaanweg.

Additional references: Matthews and Stynder (2011a).



†***Aethomys modernis* Denys, 1990.** *Ann. Paleontol.* 76(1): 52.

Type locality: Langebaanweg.

Additional references: Matthews and Stynder (2011a).



***Dasymys incomtus* Sundevall, 1846.** *Vetenskaps-Akademiens Förhandlingar* 3: 120. Common dasymys.

Type locality: Durban.

Additional references: Gordon (1991); Mullin *et al.* (2004).

Comments: much of the material identified as *D. incomtus* was identified at a time when this species was the only one recognised in southern Africa. For this reason, this material should be considered as *D. incomtus sensu lato* until such time as it is re-examined.



†***Dasymys 'lavocati'* Broom, unpublished.**

Type locality: Bolt's Farm.

Comments: *Nomen nudum*.



***Grammomys dolichurus* Smuts, 1832.** *Dissertation Zoologica, Enumerationem Mammalium Capensium*: 38. Common grammomys.

Synonyms: *Thammomys*.

Type locality: near Cape Town.

Additional references: Roberts (1931).



***Lemniscomys* Troussaert, 1881.** *Bull. Soc. Etudes Sci. Angers* 10: 124.



Mastomys natalensis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 146. Natal mastomys.

Synonyms: *Praomys*.

Type locality: Port Natal = Durban.

Additional references: Bronner *et al.* (2007); Dippenaar *et al.* (1993); Green *et al.* (1980); Smit and Van der Bank (2001); Smith (1849).

Comments: this material was identified as *M. natalensis* at a time when *M. coucha* was not recognised as a separate species.



Micaelamys namaquensis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 160. Namaqua micaelamys.

Synonyms: *Aethomys*; *lehocla*.

Type locality: Cape of Good Hope: restricted to Witwater.

Additional references: Chimimba (2001); Chimimba and Dippenaar (1994); Roberts (1926, 1946); Russo (2009); Smith (1849); Visser and Robinson (1986).



Mus minutoides Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 147. Southern African pygmy mouse.

Synonyms: *Leggada*.

Type locality: Cape Town.

Additional references: Britton-Davidian *et al.* (2012).

Comments: some of the specimens from the more arid areas may be *M. indutus*, but see comment under that species.



Myomyscus Shortridge, 1942. *Ann. S. Afr. Mus.* 36: 93.

Synonyms: *Praomys*; *Myomys*.

Type locality: Kliphuis.



Pelomys fallax Peters, 1852. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 17: 275. East African pelomys.

Type locality: Caia District.



Rhabdomys Thomas, 1916. *Ann. Mag. Nat. Hist.*, Series 8, 18: 69.



Rhabdomys pumilio Sparrman, 1784. *K. Svenska Vet.-Akad. Handl.*: 236. Xeric four-striped grass rat.

Type locality: Slangrivier, east of Knysna.

Additional references: Castiglia *et al.* (2012); Le Grange *et al.* (2015); Roberts (1946); Smith (1849); Wroughton (1905).

Comments: samples recorded here should be regarded as belonging to *Rhabdomys pumilio sensu lato* and are very likely to include some material that would currently be regarded as *R. dilectus*.



Thallomys Thomas, 1920. *Ann. Mag. Nat. Hist.*, Series 9, 5: 141.



†*Thallomys debruyni* Broom, 1948. *Ann. Transvaal Mus.* 21: 35.

Type locality: Taung Hrdlicka's Cave.



Zelotomys Osgood, 1910. *Field Mus. Nat. Hist. Publ. Zool. Ser.* 10: 7.



Subfamily: †Myocricetodontinae

†*Boltimys broomi* Sénégas and Michaux, 2000. *C. R. Acad. Sci. Paris, Sci. Terre Plan.* 330: 522.

Type locality: Waypoint 160.



Subfamily: Otomyinae

†*Euryotomys bolti* Sénégas and Avery, 1998. *S. Afr. J. Sci.* 94: 503.

Type locality: Waypoint 160.

Additional references: Sénégas (2001).



†*Euryotomys pelomyoides* Pocock, 1976. *S. Afr. J. Sci.* 72: 58.

Type locality: Langebaanweg.

Additional references: Denys *et al.* (1987).



†*Myotomys campbelli* Broom and Schepers, 1946. *Transvl Mus. Mem.* 2: 29.

Type locality: Taung.



Myotomys sloggetti Thomas, 1902. *Ann. Mag. Nat. Hist.*, Series 7, 10: 311. Rock karoo rat.

Synonyms: *Otomys*.

Type locality: Deelfontein.

Comments: it seems unlikely that the Pliocene record is correct.

Additional references: Taylor *et al.* (2004).



†*Otomys gracilis* Broom, 1937. *S. Afr. J. Sci.* 33: 761.

Synonyms: *Palaeotomys*.

Type locality: Schurveberg.



Suborder: Anomaluromorpha

FAMILY: PEDETIDAE

Pedetes capensis Forster, 1778. *K. Svenska Vet.-Akad. Handl.* 39: 109.

South African spring hare.

Type locality: Cape of Good Hope.

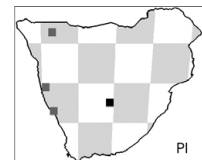
Additional references: Roberts (1946).



†*Pedetes gracilis* Broom, 1934. *S. Afr. J. Sci.* 31: 476.

Type locality: Taung.

Additional references: Pickford and Mein (2011).



†*Propedetes efeldensis* Mein and Pickford, 2008. *Geol. Surv. Namibia Mem.* 20: 242.

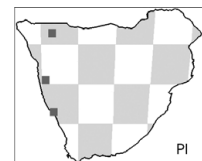
Type locality: Elisabethfeld.



†*Propedetes laetoliensis* Davies, 1987. In: Leakey and Harris. *The Pliocene Site of Laetoli, Northern Tanzania*: 172.

Synonyms: *Pedetes*.

Additional references: Pickford and Mein (2011).



Suborder: Hystricomorpha

FAMILY: BATHYERGIDAE

Subfamily: Bathyerginae

†*Bathyergus hendeyi* Denys, 1998. *Ann. S. Afr. Mus.* 105(5): 268.

Type locality: Langebaanweg.



†*Cryptomys broomi* Denys, 1998. *Ann. S. Afr. Mus.* 105(5): 280.

Type locality: Langebaanweg.



Cryptomys hottentotus Lesson, 1826. *Zool.* 1: 166. Southern African mole-rat.

Type locality: near Paarl.

Additional references: Avery (2004); Denys (1988a); Roberts (1913, 1946).



Comments: it is possible that some of the material may be referable to *Fukomys damarensis*, which was not recognised as a separate species when many of the samples were identified.

†*Cryptomys robertsi* Broom, 1937. *S. Afr. J. Sci.* 33: 760.

Type locality: Schurveberg.

Comments: it has been suggested that this taxon is inseparable from *Georchus capensis* (Avery, 1998).



†*Gypсорhynchus darti* Broom, 1934. *S. Afr. J. Sci.* 31: 474.

Type locality: Taung.



†*Gypсорhynchus makapani* Broom, 1948. *Ann. Transvaal Mus.* 21: 49.

Type locality: Limeworks Makapansgat.



†*Gypсорhynchus minor* Broom, 1948. *Ann. Transvaal Mus.* 21: 48.

Type locality: Taung.



Heterocephalus Rüppell, 1842. *Mus. Senckenbergianum* 3(2): 99.



FAMILY: HYSTRICIDAE

Subfamily: Hystricinae

Hystrix africae australis Peters, 1852. *Naturwissenschaftliche Reise nach Mossambique*: 170. Cape porcupine.

Additional references: Maguire (1976).



†*Hystrix makapanensis* Greenwood, 1958. *Ann. Mag. Nat. Hist.* 13: 365.

Synonyms: *major*.

Type locality: Limeworks Makapansgat.

Additional references: Adams (2012a); Greenwood (1955).



†*Xenohystrix crassidens* Greenwood, 1955. *Palaeontol. Afr.* 3: 81.
 Type locality: Limeworks Makapansgat.
 Additional references: Collings *et al.* (1976).



FAMILY: PETROMURIDAE

†*Petromus antiquus* Sénégas, 2004. *J. Vert. Paleontol.* 24(3): 757.
 Type locality: Waypoint 160.



†*Petromus minor* Broom, 1939. *Ann. Transvaal Mus.* 19: 316.
 Synonyms: *Palaepetromys*.
 Type locality: Taung.



ORDER: LAGOMORPHA

FAMILY: LEPORIDAE

Lepus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 57.
 Additional references: Robinson and Dippenaar (1987); Robinson and Matthee (2005).



Lepus capensis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 58. Cape hare.
 Type locality: Cape of Good Hope.
 Additional references: Roberts (1932).



Pronolagus Lyon, 1904. *Smithson. Misc. Coll.* 45: 416.
 Additional references: Robinson and Matthee (2005).



ORDER: SORICOMORPHA

FAMILY: SORICIDAE

Subfamily: Crocidurinae

Crocidura fuscomurina Heuglin, 1865. *Nouv. Acta Acad. Caes. Leop.-Carol.* 32: 36. Bicolored musk shrew.
 Synonyms: *bicolor*.
 Additional references: Hutterer (1983).



†*Crocidura taungensis* Broom, 1948. *Ann. Transvaal Mus.* 21: 10.

Synonyms: *Suncus*.

Type locality: Taung.

Additional references: Meester (1954).



†*Diplomesodon fossorius* Repenning, 1965. *J. Mammal.* 46(2): 190.

Type locality: Limeworks Makapansgat.



Suncus infinitesimus Heller, 1912. *Smithson. Misc. Coll.* 60(12): 5. Least dwarf shrew.



Suncus varilla Thomas, 1895. *Ann. Mag. Nat. Hist., Series 6*, 16: 54.

Lesser dwarf shrew.

Type locality: East London.

Additional references: Roberts (1946).



Subfamily: Myosoricinae

†*Myosorex robinsoni* Meester, 1954. *Ann. Transvaal Mus.* 22: 272.

Type locality: Swartkrans.

Additional references: Butler (2010); Butler and Greenwood (1979).



Myosorex varius Smuts, 1832. *Dissertation Zoologica, Enumerationem Mammalium Capensium*: 108. Forest shrew.

Synonyms: *Sorex*.

Type locality: Algoa Bay: Port Elizabeth.

Additional references: Roberts (1924); Smith (1849).



ORDER: CHIROPTERA Suborder: Microchiroptera FAMILY: RHINOLOPHIDAE

Rhinolophus capensis Lichtenstein, 1823. *Verzeichniss der Doubletten des zoologischen Museums der Königl. Universität zu Berlin*: 4. Cape horseshoe bat.

Type locality: Cape of Good Hope.



Rhinolophus clivosus Cretzschmar, 1826. In: Rüppell, *Atlas zu der Reise im nördlichen Afrika Zoologie*: 47. Geoffroy Saint-Hilaire's horseshoe bat.

Synonyms: *geoffroyi*.



Rhinolophus darlingi Andersen, 1905. *Ann. Mag. Nat. Hist.*, Series 7, 15: 70. Darling's horseshoe bat.
Type locality: Mazoe.



FAMILY: VESPERTILIONIDAE

Subfamily: Vespertilioninae

Eptesicus hottentotus Smith, 1833. *S. Afr. Quart. J.*, Series 2, 1: 59.
Long-tailed serotine.

Type locality: Uitenhage.

Additional references: Hill and Harrison (1987); Kearney *et al.* (2002).



Subfamily: Miniopterinae

Miniopterus Bonaparte, 1837. *Iconografia della fauna italica*: 20.

Additional references: Miller-Butterworth *et al.* (2007).



ORDER: PHOLIDOTA

FAMILY: MANIDAE

Subfamily: Smutsiinae

†*Smutsia gigantea* Illiger, 1815. *Abh. Phys. Klasse K. Pruess Konigl. Akad. Wiss.* 1804–1811: 84.

Synonyms: *Manis*.

Additional references: Botha and Gaudin (2007); Gaudin (2010).



ORDER: CARNIVORA

Suborder: Feliformia

FAMILY: FELIDAE

†*Amphimachairodus* Kretzoi, 1929. *10th International Congress of Zoology*: 1316.

Synonyms: *Homotherium*; *Machairodus*.

Additional references: Sardella and Werdelin (2007); Werdelin and Peigné (2010); Werdelin and Sardella (2006).



Subfamily: Felinae

Acinonyx Brookes, 1828. *A Catalogue of the Anatomical & Zoological Museums of Joshua Brookes, Esq., F.R.S., F.L.S. etc. Part 1*: 16, 33.



Caracal caracal Schreber, 1776. *Die Säugethiere* 3 (16): pl. 110 [1776], see also text 3 (24): 413, 587 [1777]. Caracal.

Synonyms: *Felis*.

Type locality: Table Mountain, near Cape Town.

Additional references: Roberts (1926); Werdelin and Peigné (2010).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/141/mode/1up) and *Felis caracal* is listed on p. 587. Plate 110 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/131/mode/1up).



†***Dinofelis barlowi*** Broom, 1937. *S. Afr. J. Sci.* 33: 757.

Synonyms: *Machaerodus*; *Megantereon*; *Therailurus*; *darti*; *transvaalensis*.

Type locality: Sterkfontein.

Additional references: Collings (1973); Collings *et al.* (1976); Cooke (1991); Ewer (1955c, 1957a); Hemmer (1965); Lacruz *et al.* (2006).



†***Dinofelis diastemata*** Astre, 1929. *Bull. Soc. Géol. France* 29: 203.

Additional references: Lacruz *et al.* (2006).



†***Felis issiodorensis*** Croizet and Jobert, 1828. *Recherches sur les ossements fossiles du Département du Puy-de-Dome*: 200.



†***Homotherium crenatidens*** Weithofer, 1889. *Jahrbuch der Kaiserlich Königlich Geologischen Reichsanstalt* 39(1): 65.

Synonyms: *Machairodus*; *altidens*.

Comments: there appears to be disagreement as to which species of *Homotherium* is represented at Sterkfontein: Turner (1987a) considers the material to be *H. crenatidens*, whereas Reynolds (2010b) assigns it to *H. altidens*.



†***Homotherium problematicum*** Collings, 1972. *Palaeontol. Afr.* 14: 87.

Synonyms: *Megantereon*; *eyrnodon*, *nestianus*.

Type locality: Limeworks Makapansgat.

Additional references: Berta and Galiano (1983); Collings (1973); Collings *et al.* (1976); Ewer (1955c).



Leptailurus serval Schreber, 1776. *Die Säugethiere* 3 (16): pl. 108 [1776], see also text 3 (23): 407 [1777]. Serval.

Synonyms: *Felis*; *spelaeus*.

Type locality: restricted to the 'Cape region of South Africa'.

Additional references: Werdelin and Peigné (2010).



Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/135/mode/1up) and *Felis serval* is listed on p. 587. Plate 107 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/125/mode/1up).

†*Metailurus obscurus* Hendey, 1974. *Ann. S. Afr. Mus.* 63: 164.
Synonyms: *Felis*; *Adelphailurus*; *Megantereon obscura*.
Type locality: Langebaanweg.
Additional references: Werdelin and Peigné (2010).



Subfamily: †Machairodontinae

†*Megantereon whitei* Broom, 1937. *S. Afr. J. Sci.* 33: 756.
Synonyms: *Felis*; *cultridens*.
Type locality: Schurveberg.
Additional references: Broom (1939c, 1946); Hartstone-Rose *et al.* (2007); Turner (1987b); Werdelin and Peigné (2010).



Subfamily: Pantherinae

Panthera leo Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 41. Lion.
Additional references: Haas *et al.* (2005); Lacruz (2009).



Panthera pardus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 41. Leopard.

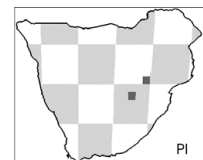


FAMILY: HERPESTIDAE

†*Atilax mesotes* Ewer, 1956. *Proc. Zool. Soc. Lond.* 126: 259–274.
Synonyms: *Herpestes*.



Cynictis penicillata Cuvier, 1829. *Le Règne Animal distribué d'après son Organisation*, Nouvelle édition, 1: 158. Yellow mongoose.
Synonyms: *lepturus*; *ogilbyii*.
Type locality: restricted to 'Uitenhage, CP'.
Additional references: Ewer (1956a, 1957a); Lundholm (1954); Roberts (1932); Smith (1849); Taylor and Meester (1993).



FAMILY: HYAENIDAE

†*Lycyaenops silberbergi* Broom, 1946. *Mem. Transvaal Mus.* 2: 83.

Synonyms: *Chasmaporthetes*; *Lycyaena*.

Type locality: Sterkfontein.

Additional references: Broom (1948a); Werdelin and Peigné (2010).



Subfamily: Hyaeninae

†*Chasmaporthetes australis* Hendey, 1974. *Ann. S. Afr. Mus.* 63: 91.

Synonyms: *Euryboas*; *Percrocuta*.

Type locality: Langebaanweg.

Additional references: Hendey (1978a); Werdelin and Peigné (2010).



†*Chasmaporthetes nitidula* Ewer, 1955. *Proc. Zool. Soc. Lond.* 124: 842.

Synonyms: *Euryboas*; *Lycyaeon*.

Type locality: Sterkfontein.

Additional references: Hendey (1978a).



Crocuta crocuta Erxleben, 1777. *Systema Regni Animalia per Classes*: 578.

Spotted hyaena.

Synonyms: *spelaea*.

Additional references: Broom (1939c); Turner (1984).



†*Crocuta dietrichi* Petter and Howell, 1989. *C.R. Acad. Sci. Paris* 308: 1038.

Additional references: Morales *et al.* (2011).



Hyaena hyaena Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 40. Striped hyaena.

Synonyms: *striata*.

Additional references: Turner (1988).



†*Hyaena makapani* Toerien, 1952. *S. Afr. J. Sci.* 48: 293.

Type locality: Limeworks Makapansgat.

Additional references: Toerien (1955).



†*Hyaenictis hendeyi* Werdelin, Turner and Solounias, 1994. *Zool. J. Linn. Soc.* 111: 214.

Type locality: Langebaanweg.



†*Hyaenictis preforfex* Hendey, 1974. *Ann. S. Afr. Mus.* 63: 125.

Synonyms: *Ictitherium*; *Leecyaena forfex*.

Type locality: Langebaanweg.

Additional references: Ewer (1955a, 1955b); Hendey (1978a).



Comments: Werdelin *et al.* (1994) maintain that this taxon is a synonym of *Ikelohyaena abronia*.

†*Hyaenictitherium namaquensis* Stromer, 1931. *Bayer. Akad. Wiss. München Sitz. Math.-Naturwiss. Klasse* 1931: 26.

Synonyms: *Hyaenictis*; *Hyaena*; *namaquense*.

Type locality: Kleinzee.

Additional references: Hendeby (1978a); Werdelin and Solounias (1991).



†*Ikelohyaena abronia* Hendeby, 1974. *Ann. S. Afr. Mus.* 63: 103.

Synonyms: *Hyaena*.

Type locality: Langebaanweg.



†*Pachycrocuta brevisrostris* Gervais, 1850. *Zool. Paléontol. Françaises* 1: 122.

Synonyms: *Canis*; *Hyaena bellax*.

Additional references: Alba *et al.* (2015); Ewer (1954, 1956b); Mutter *et al.* (2001); Turner and Antón (1996); Werdelin and Peigné (2010).

Comments: according to Alba *et al.* (2015), this taxon has long been incorrectly attributed to Aymard since his 1846 paper neither describes nor names the taxon.



Parahyaena brunnea Thunberg, 1820. *K. Svenska Vet.-Akad. Handl.* 8: 59. Brown hyaena.

Synonyms: *Hyaena*.

Type locality: Cape of Good Hope.

Additional references: Grubb (2004); Hendeby (1973a); Mills (1982); Werdelin and Peigné (2010).



FAMILY: VIVERRIDAE

Subfamily: Viverrinae

Genetta Cuvier, 1817. *Le Règne Animal distribué d'après son Organisation*: 156.

Additional references: De Meneses Cabral (1966); Gaubert *et al.* (2005).



Genetta genetta Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 45. Common genet.

Additional references: Gaubert *et al.* (2005); Larivière and Calzada (2001).



†*Viverra leakeyi* Petter, 1963. *Bull. Soc. Géol. France, Series 7*, 3: 270.

Additional references: Werdelin and Peigné (2010).



Suborder: Caniformia

FAMILY: CANIDAE

Subfamily: Caninae

Canis mesomelas Schreber, 1775. *Die Säugethiere* 2 (14): pl. 95 [1775], text 3 (21): 370 [1776], 586 [1777]. Black-backed jackal.

Type locality: Cape of Good Hope.

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/98/mode/1up) and *Canis mesomelas* is listed on p. 586. Plate 95 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/57/mode/1up).



Vulpes Frisch, 1775. *Das Natur-System der Vierfüssigen Thiere*: 14.

Additional references: Werdelin and Peigné (2010).



Vulpes chama Smith, 1833. *S. Afr. Quart. J.*, Series 2, 2: 89. Cape fox.

Type locality: fixed as 'Port Nolloth'.



†*Vulpes pattisoni* Broom, 1948. *Ann. Transvaal Mus.* 21(1): 23.

Type locality: Taung.



FAMILY: URSIDAE

†*Agriotherium africanum* Hendeby, 1972. *Ann. S. Afr. Mus.* 59: 126.

Type locality: Langebaanweg.

Additional references: Hendeby (1980); Werdelin and Peigné (2010).



FAMILY: MUSTELIDAE

†*Plesiogulo monspessulanus* Viret, 1939. *Trav. Lab. Géol. Fac. Sci. Lyon*: 37.

Additional references: Hendeby (1978b); Montoya *et al.* (2011); Werdelin and Peigné (2010).

Comments: Viret (1939) not seen, pagination therefore not verified.



Subfamily: Lutrinae

†*Sivaonyx africanus* Stromer, 1931. *Sitz. Math.-Naturwiss. Klasse Bayer. Akad. Wiss. München* 1931: 19.

Synonyms: *Enhydriodon*.



†*Sivaonyx hendeyi* Morales, Pickford and Soria, 2005. *Rev. Soc. Geol. España* 18(1–2): 56.

Synonyms: *Enhydriodon*.

Type locality: Langebaanweg.



†*Mellivora benfieldi* Hendey, 1978. *Ann. S. Afr. Mus.* 76(10): 343.

Synonyms: *punjabiensis*.

Type locality: Langebaanweg.

Additional references: Werdelin and Peigné (2010).



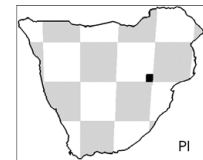
ORDER: PERISSODACTYLA

FAMILY: †CHALICOTHERIIDAE

†*Metaschizotherium transvaalensis* George, 1950. *S. Afr. J. Sci.* 46(8): 241.

Type locality: Limeworks Makapansgat.

Additional references: Cooke (1950); Coombs and Cote (2010); Webb (1965).



Subfamily: Schizotheriinae

†*Ancylotherium* Gaudry, 1863. *Animaux Fossiles et Géologie de l'Attique*: 129.

Additional references: Butler (1965); Coombs and Cote (2010).



FAMILY: EQUIDAE

†*Eurygnathohippus* Van Hoepen, 1930. *Paleontol. Nav. Nas. Mus. Bloemfontein* 2(2): 23.

Synonyms: *Hipparion*; *Stylohipparion*.

Additional references: Boné and Singer (1965); Hooijer (1975, 1976).



†*Eurygnathohippus cornelianus* Van Hoepen, 1930. *Paleontol. Nav. Nas. Mus. Bloemfontein* 2(2): 23.

Synonyms: *Hipparion*; *Stylohipparion*; *hipkini*; *libycum*; *sitifense* in part?; *steytleri*.

Type locality: Cornelia.

Additional references: Bernor *et al.* (2010); Churcher (1970, 2000); Churcher and Watson (1993); Franz-Odenaal *et al.* (2003); Pomel (1897); Van Hoepen (1932a).



†*Eurygnathohippus hooijeri* Bernor and Kaiser, 2006. *Mitt. Hamb. Zool. Mus. Inst.* 103: 148.

Synonyms: *Hipparion baardi* cf.

Type locality: Langebaanweg.

Additional references: Bernor *et al.* (2010); Franz-Odenaal *et al.* (2003); Hooijer (1976); Pickford and Senut (1997).



†*Eurygnathohippus namaquense* Haughton, 1932. *Ann. S. Afr. Mus.* 28: 421.

Synonyms: *Hipparion*; *Notohipparion*.

Type locality: Areb.



†*Hipparion* De Christol, 1832. *Ann. Sci. Indust. Midi France* 1: 181.

Additional references: Boné and Singer (1965); MacFadden (1984).

Comments: there is no certain record of *Hipparion*, as currently understood, from Africa (Bernor *et al.* 2010) and it is therefore most likely that this record should be †*Eurygnathohippus cornelianus*.



FAMILY: RHINOCEROTIDAE

Subfamily: Rhinocerotinae

Ceratotherium simum Burchell, 1817. *Bull. Sci. Soc. Philom. Paris* 1817–1819: 97. White rhinoceros.

Synonyms: *Diceros*; *Rhinoceros*; *simus*.

Type locality: since identified as Chue Spring = Heuningvlei.

Additional references: Geraads (2010a); Gray (1867); Groves (1972); Hooijer (1959, 1973); Hooijer and Singer (1960); Smith (1849).



†*Diceros praecox* Hooijer and Patterson, 1972. *Bull. Mus. Comp. Zool.* 144: 19.

Synonyms: *Ceratotherium*.

Additional references: Geraads (2005, 2010a); Guérin (1987); Hooijer (1972, 1973); Pickford and Senut (1997).



ORDER: ARTIODACTYLA

FAMILY: SUIDAE

Subfamily: †*Namachoerinae*

†*Cainochoerus africanus* Hendey, 1976. *Science* 192(4241): 789.

Synonyms: *Pecarichoerus?*

Type locality: Langebaanweg.

Additional references: Bishop (2010); Pickford (1988).



Subfamily: **Suinae**

†*Kolpochoerus paiceae* Broom, 1931. *Rec. Albany Mus.* 4: 168.

Synonyms: *Notochoerus*.

Type locality: Windsorton.

Additional references: Hendey and Cooke (1985); Pickford (2012).



†*Metridiochoerus andrewsi* Hopwood, 1926. *Ann. Mag. Nat. Hist.* 9: 267.

Synonyms: *Notochoerus*; *Tapinochoerus*; *capensis*; *meadowsi*.

Additional references: Bender (1990); Bishop (2010); Broom (1948a); Cooke (1993a); Ewer (1956b); Harris and White (1979); Herries *et al.* (2006); Hopwood (1926); Keen and Singer (1956); Pickford (2012, 2013a, 2003b); Shaw (1938).



†*Potamochoeroides hypsodon* Dale, 1948. *S. Afr. Sci.* 2(5): 116.

Synonyms: *Metridiochoerus*; *Pronotochoerus*; *shawii*.

Additional references: Bender (1990, 1992); Cooke (1993a, 2005); Ewer (1956b, 1958d); Pickford (2013a); Pickford and Gommery (2016).



Potamochoerus larvatus Cuvier, 1822. *Mem. Mus. Hist. Nat. Paris* 8: 447.

Bush-pig.

Synonyms: *Koiropotamus*; *porcus*.

Additional references: Grubb (2004); Hopwood (1934); Leakey (1942).

Subfamily: **Tetraconodontinae**

†*Notochoerus capensis* Broom, 1925. *Rec. Albany Mus.* 3(4): 308.

Synonyms: *scotti*.

Type locality: Longlands.

Additional references: Harris and White (1979); Pickford and Gommery (2016); Shaw (1938).



†*Notochoerus jaegeri* Coppens, 1971. *C. R. Hebdom. Scé. Acad. Sci. Paris* 272: 3266.

Synonyms: *Nyanzachoerus*.

Additional references: Bishop (2010); Cooke and Hendey (1992); Harris and White (1979).



†*Nyanzachoerus kanamensis* Leakey, 1958. *Foss. Mamm. Afr.* 14: 10.

Additional references: Bishop (2010); Harris and White (1979).



FAMILY: HIPPOPOTAMIDAE

Hippopotamus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 74.

Additional references: Boisserie (2005).



Hippopotamus amphibius Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 74. Common hippopotamus.

Synonyms: *capensis*; *poderosus*.

Additional references: Fraas (1907); Hooijer and Singer (1961); Scott (1907); Smith (1849).



FAMILY: GIRAFFIDAE

Subfamily: Giraffinae

Giraffa Brisson, 1762. *Regnum animale in classes IX. Distributum, sive Synopsis Methodica* 2nd edition: 12, 37.



†***Giraffa stillei*** Dietrich, 1942. *Palaeontographica A* 94: 43–133.

Synonyms: *gracilis*.

Additional references: Arambourg (1947); Harris *et al.* (2010).



Subfamily: †Sivatheriinae

†***Sivatherium*** Falconer and Cautley, 1836. *J. Asiatic Soc. Bengal* 1836: 38.



†***Sivatherium hendeyi*** Harris, 1976. *Ann. S. Afr. Mus.* 69(12): 328.

Synonyms: *Helladotherium*; *Libytherium olduvaiensis*.

Type locality: Langebaanweg.

Additional references: Harris *et al.* (2010); Hopwood (1934).



FAMILY: BOVIDAE

Subfamily: Alcelaphinae

Alcelaphus caama Geoffroy Saint-Hilaire, 1803. *Catalogue des Mammifères du Muséum National d'Histoire Naturelle*: 269. Red hartebeest.

Synonyms: *Antilope*; *Bubalus*; *bubalis*; *buselaphus caama*.

Type locality: since restricted to syntype locality Steynsburg.

Additional references: Gray (1850a, 1850b); Grubb (2004); Hoffman (1953); Smith (1849).



†*Alcelaphus robustus* Cooke, 1949. *Mem. Geol. Surv. S. Afr.* 35: 20.

Type locality: Larsen's Main Workings.

Comments: see *Parmularius braini* below.



Connochaetes taurinus Burchell, 1824. *Travels in the Interior of Southern Africa* 2: 278 (footnote) [1824]. Blue wildebeest.

Synonyms: *Catoblepas*.

Type locality: apparently 'Kosi Fountain', but lectotype came from 'Chue Spring, Maadji Mtn [Klein Heuningvlei]'.

Additional references: Smith (1849).



†*Damalacra* Gentry, 1980. *Ann. S. Afr. Mus.* 79(8): 264.

Type locality: Langebaanweg.



†*Damalacra acalla* Gentry, 1980. *Ann. S. Afr. Mus.* 79(8): 272.

Type locality: Langebaanweg.

Additional references: Brink and Stynder (2009).



†*Damalacra neanica* Gentry, 1980. *Ann. S. Afr. Mus.* 79(8): 265.

Type locality: Langebaanweg.

Additional references: Brink and Stynder (2009).



†*Damaliscus gentryi* Vrba, 1977. *Palaeontol. Afr.* 20: 143.

Type locality: Limeworks Makapansgat.



†*Megalotragus* Van Hoepen, 1932. *Paleontol. Nav. Nas. Mus.*

Bloemfontein 2(5): 63.



†*Parmularius braini* Vrba, 1977. *Palaeontol. Afr.* 20: 140.

Type locality: Limeworks Makapansgat.

Comments: according to Gentry (2010), *Alcelaphus robustus* from this site is synonymous with this taxon in the Pliocene.



Subfamily: Antilopinae

†*Antidorcas bondi* Cooke and Wells, 1951. *S. Afr. J. Sci.* 47: 207.

Synonyms: *Gazella*.

Type locality: Chelmer.

Additional references: Gentry (2010); Plug and Peters (1991); Vrba (1973).



†*Antidorcas recki* Schwarz, 1932. *Zentr. Mineral., Geol. Paläontol. B* 1932: 1.

Synonyms: *Gazella*; *wellsi*.

Additional references: Gentry (2010).



Gazella De Blainville, 1816. *Bull. Sci. Soc. Philom. Paris* 1816: 75.

Additional references: Gentry (2010).



†*Gazella vanhoepeni* Wells and Cooke, 1957. *Palaeontol. Afr.* 4: 43.

Synonyms: *gracilior?*.

Type locality: Limeworks Makapansgat.



Oreotragus oreotragus Zimmermann, 1783. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüßigen Thiere* 3: 269. Klipspringer.

Synonyms: *Palaeotragiscus longiceps*; *major*.

Type locality: now known to be False Bay.

Additional references: Broom (1934); Gentry (2010); Gray (1850a, 1850b); Watson and Plug (1995); Wells (1951).



Raphicerus Smith, 1827. In: Griffith *et al.*, *The Animal Kingdom Arranged in Conformity with its Organization by the Baron Cuvier* 5: 342.

Additional references: Klein (1976c).



†*Raphicerus paralus* Gentry, 1980. *Ann. S. Afr. Mus.* 79(8): 300.

Type locality: Langebaanweg.



Subfamily: Bovinae

†*Miotragoceros acrae* Gentry, 1974. *Ann. S. Afr. Mus.* 65(5): 146.

Synonyms: *Mesembriportax*; *Tragoportax*.

Type locality: Langebaanweg.

Additional references: Gentry (1980, 2010).



Syncerus Hodgson, 1847. *J. Asiatic Soc. Bengal*, Series 2, 16: 709.

Synonyms: *Bos*; *Bubalis*; *Pelorovis*.

Additional references: Martínez-Navarro *et al.* (2007).



†*Syncerus aceolotus* Gentry and Gentry, 1978. *Bull. Brit. Mus. Nat. Hist. Geol. Ser.* 29: 313.

Additional references: Gentry (2010).



Tragelaphus De Blainville, 1816. *Bull. Sci. Soc. Philom. Paris* 1816: 75.



Tragelaphus angasii Angas, 1848. *Proc. Zool. Soc. Lond.* 1848: 89.
Nyala.

Type locality: 'Hills that border: upon the northern shores of St Lucia Bay'.

Additional references: Gray (1850a, 1850b); Grubb (2004); Willows-Munro *et al.* (2005).



†*Tragelaphus pricei* Wells and Cooke, 1957. *Palaeontol. Afr.* 4: 12.
Synonyms: *Cephalophus*.

Type locality: Limeworks Makapansgat.

Additional references: Gentry (2010).

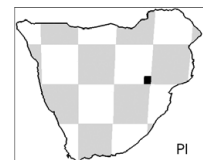


Tragelaphus strepsiceros Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 9. Greater kudu.

Synonyms: *Damalis*; *Strepsiceros*; *capensis*.

Type locality: restricted to eastern part of western Cape Province.

Additional references: Smith (1849); Willows-Munro *et al.* (2005).



†*Ugandax demissum* Gentry, 1980. *Ann. S. Afr. Mus.* 79(8): 233.
Synonyms: *Simatherium*.

Type locality: Langebaanweg.

Additional references: Gentry (2006, 2010); Geraads (1992); Pickford and Senut (1997).



Subfamily: Caprinae

†'*Makapania*' *broomi* Wells and Cooke, 1957. *Palaeontol. Afr.* 4: 26.

Synonyms: *Bos*; *Hippotragus*; *Hippotragoides*; *makapaani*.

Type locality: Limeworks Makapansgat.

Additional references: Gentry (1970, 2010).



Subfamily: Cephalophinae

†*Cephalophus parvus* Broom, 1934. *S. Afr. J. Sci.* 31: 477.

Additional references: Gentry (2010).



Sylvicapra Ogilby, 1836. *Proc. Zool. Soc. Lond.* 1836: 138.



Subfamily: Hippotraginae

†*Hippotragus cookei* Vrba, 1987. *Palaeontol. Afr.* 26(5): 49.

Type locality: Limeworks Makapansgat.



Hippotragus niger Harris, 1838. *Proc. Zool. Soc. Lond.* 1838: 2. Sable antelope.

Synonyms: *harrisi*.

Type locality: since specified as Magaliesberg near Krugersdorp and Rustenburg.

Additional references: Gray (1850a, 1850b); Harris (1838a).



†*Wellsiana torticornuta* Vrba, 1987. *Palaeontol. Afr.* 26(5): 53.

Type locality: Limeworks Makapansgat.

Additional references: Gentry (2010).



Subfamily: Reduncinae

Kobus Smith, 1840. *Illustrations of the Zoology of South Africa*, Part 12: pl. 28, plus text.

Synonyms: *Aigoceros*; *Onotragus*.

Additional references: Birungi and Arctander (2001).



†*Kobus subdolosus* Gentry, 1980. *Ann. S. Afr. Mus.* 79(8): 248.

Type locality: Langebaanweg.

Additional references: Gentry (2010).



Redunca Smith, 1827. In: Griffith *et al.*, *The Animal Kingdom Arranged in Conformity with its Organization by the Baron Cuvier* 5: 337.



†*Redunca darti* Wells and Cooke, 1957. *Palaeontol. Afr.* 4: 17.

Type locality: Limeworks Makapansgat.



4.2 PLIOCENE SITES

The distribution of Pliocene sites is noticeably broader than was the case in previous epochs (Figure 4.1). There are three particularly important and rich sites that have provided much of the available information. These are Langebaanweg (3218) in the southwest, and Taung (2724) and Limeworks Makapansgat (2429) to the northeast. Praia de Morrugusu (2335) may only have produced a specimen of *Deinotherium bozasi* (Harris 1977), but it is notable for its location in the extreme east of the region.

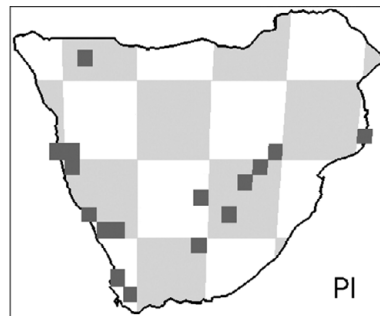


Figure 4.1. Location of Pliocene sites in the region.

Areb (2931:1815). Taxa: *Eurygnathohippus namaquense*. References: Cooke (1955); Pickford *et al.* (1999).

Aves Cave 1 (2627). Taxa: *Canis mesomelas* cf.; *Dinofelis* cf.; *Felis silvestris*; *Notochoerus capensis*; *Panthera leo* cf.; *Panthera pardus* cf.; *Parahyaena* cf.; *Potamochoeroides hypsodon*. References: Gommery *et al.* (2016); Pickford and Gommery (2016).

Awasib (2518:1539). Taxa: *Pedetes gracilis* cf. References: Pickford and Mein (2011).

Bushman Hill (W) (2509:1544). Taxa: *Pedetes gracilis*. References: Pickford and Mein (2011).

Daberas Dune (2808:1639). Taxa: *Pedetes gracilis*. References: Pickford and Mein (2011).

Ekuma (1837:1600). Taxa: *Pedetes gracilis* cf.; *Propedetes laetoliensis*. References: Pickford and Mein (2011).

Etosha Pan (1816CA). Taxa: *Diceros praecox*; *Hipparion*; *Hippopotamus*; *Loxodonta cookei* cf.; *Propedetes*; *Redunca darti* aff. References: Pickford *et al.* (2014).

Hoogland (2549:2800). Taxa: *Acinonyx*?; *Antidorcas bondi*; *Antidorcas recki*; *Felis*?; *Kobus*; *Oreotragus oreotragus*; *Procavia antiqua*; *Procavia transvaalensis*; *Raphicerus*; *Redunca*; *Sylvicapra* cf.; *Theropithecus oswaldi*; *Tragelaphus strepsiceros*. References: Adams *et al.* (2010).

Jacovec Cavern (2601:2744). Taxa: *Australopithecus*; *Canis mesomelas*; *Caracal caracal*; *Chasmaporthetes nitidula*; *Connochaetes taurinus*; *Crocuta crocuta*; *Cynictis penicillata*;

Genetta genetta; *Homotherium crenatidens*; *Lepus capensis*; *Lycyaenops silberbergi*; *Panthera leo*; *Panthera pardus*; *Parahyaena brunnea*; *Parapapio broomi*; *Parapapio jonesi*; *Pedetes capensis*; *Potamochoerus larvatus*; *Syncerus* cf.; *Vulpes chama*. References: Kibii (2006); Reynolds (2010b).

Kleinze (2941:1704). Taxa: *Palaeothentoides africanus*. References: Pickford and Senut (1997).

Langebaanweg (3258:1809). Taxa: *Acomys mabele*; *Aethomys adamanticola*; *Aethomys modernis*; *Agriotherium africanum*; *Amphimachairodus*; *Anancus capensis*; *Atilax mesotes*; *Bathyergus hendeyi*; *Cainochoerus africanus*; *Chasmaporthetes australis*; *Chrysochloris arenosa*; *Chrysochloris bronneri*; *Cryptomys broomi*; *Cryptomys hottentotus*; *Damalacra acalla*; *Damalacra neanica*; *Dendromus averyi*; *Dendromus darti*; *Desmodillus magnus*; *Diceros praecox*; *Dinofelis diastemata*; *Eurygnathohippus hooijeri*; *Eurytomys pelomyoides*; *Felis issiodorensis*; *Gazella vanhoepeni* aff.; *Genetta*; *Giraffa stillei* cf.; *Hyaenictis hendeyi*; *Hyaenictis preforfex*; *Hyaenictitherium namaquensis*; *Ikelohyaena abronia*; *Kobus subdolosus*; *Loxodonta cookei*; *Mammuthus subplanifrons*; *Mellivora benfieldi*; *Metailurus obscurus*; *Miotragoceros acrae*; *Mystromys hausleitneri*; *Mystromys pocockei*; *Notochoerus jaegeri*; *Nyanzachoerus kanamensis*; *Parapapio*; *Plesiogulo monspessulanus*; *Procavia antiqua* aff.; *Procavia pliocenica*; *Raphicerus paralus*; *Rhabdomys*; *Sivaonyx africanus*; *Sivaonyx hendeyi*; *Sivatherium hendeyi*; *Stenodontomys saldanhae*; *Thallomys*; *Tragelaphus*; *Ugandax demissum*; *Viverra leakeyi*; *Zelotomys*. References: Cooke and Hendey (1992); Franz-Odenaal et al. (2003); Franz-Odenaal and Salounias (2004); Grine and Hendey (1981); Hendey (1969, 1970, 1973b, 1976b, 1978b, 1981, 1984); Hooijer (1972, 1976a); Klein (1974b); Matthews et al. (2007); Pickford (1988); Sardella and Werdelin (2007); Werdelin and Sardella (2006); Werdelin et al. (1994).

Limeworks Makapansgat (2408:2911). Taxa: *Acinonyx jubatus*; *Acomys*; *Alcelaphus caama* cf.; *Alcelaphus robustus* cf.; *Amblysomus hamiltoni*; *Australopithecus africanus*; *Caracal caracal*; *Cephalophus*; *Ceratotherium simum* cf.; *Cercocebus* cf.; *Cercopithecoides williamsi*; *Connochaetes taurinus* cf.; *Cryptomys hottentotus*; *Cryptomys robertsi*; *Cynictis penicillata*; *Damaliscus gentryi*; *Dasymys incomtus* cf.; *Dendromus mesomelas* cf.; *Dinofelis barlowi*; *Diplomesodon fossorius*; *Elephantulus brachyrhynchus* cf.; *Elephantulus broomi*; *Elephas* cf.; *Eptesicus hottentotus*; *Eurygnathohippus cornelianus*; *Gazella vanhoepeni*; *Gerbilliscus*; *Gigantohyrax maguirei*; *Giraffa*; *Grammomys dolichurus* cf.; *Gypsorhynchus makapani*; *Herpestes*; *Heterocephalus*; *Hippopotamus amphibius* cf.; *Hippotragus cookei*; *Hippotragus niger*; *Homotherium crenatidens*; *Homotherium problematicum*; *Hyaena hyaena*; *Hyaena makapani*; *Hystrix africae australis*; *Hystrix makapanensis*; *Lemniscomys*; *Leptailurus serval*; 'Makapania' broomi; *Malacothrix makapani*; *Malacothrix typica*; *Mastomys natalensis*; *Megalotragus*; *Metaschizotherium transvaalensis*; *Metridiochoerus andrewsi*; *Micaelamys namaquensis* cf.; *Miniopterus*; *Mus minutoides* cf.; *Myomyscus*; *Myosorex robinsoni*; *Myosorex varius*; *Myotomys sloggetti*; *Mystromys albicaudatus*; *Mystromys hausleitneri*; *Notochoerus capensis*; *Otomys gracilis*; *Pachycrocuta brevirostris*; *Parapapio broomi*; *Parapapio jonesi* cf.; *Parapapio whitei*; *Parmularius braini*; *Pelomys fallax* cf.; *Potamochoeroides hypsodon*; *Procavia antiqua*; *Pronolagus*; *Proodontomys cookei*; *Raphicerus paralus*; *Redunca darti*; *Rhabdomys pumilio* cf.; *Rhinolophus capensis* cf.; *Rhinolophus clivosus* cf.; *Rhinolophus darlingi* cf.; *Steatomys*; *Steatomys pratensis* cf.; *Stenodontomys darti*; *Suncus infinitesimus*; *Suncus varilla*; *Theropithecus darti*; *Tragelaphus pricei*; *Vulpes chama*; *Wellsiana torticornuta*; *Xenohystrix crassidens*; *Zelotomys?*. References: Bender (1992); Boné and Dart (1955); Broom and Robinson (1950a); Brophy et al. (2014); De

- Graaff (1961c); Denys (1999); Ewer (1957a, 1958b, 1958d); Freedman (1970); Hopley *et al.* (2006); Lavocat (1957); Maguire (1985); McKee *et al.* (1995); Reed *et al.* (1993); Turner *et al.* (1999); Vrba (1987a).
- Matjihabeng** (2807:2655). Taxa: *Ancylotherium*; *Damalacra* cf.; *Eurygnathohippus*; *Mammuthus subplanifrons*; *Megalotragus*; *Sivatherium*; *Vulpes* cf. References: De Ruiter *et al.* (2010).
- Meob** (2439:1444). Taxa: *Crocota dietrichi*. References: Morales *et al.* (2011).
- Milo's Pit A** (2602:2743). Taxa: *Hippopotamus* cf.; *Metridiochoerus andrewsi*; *Tragelaphus* cf. References: Gommery *et al.* (2012a).
- Praia de Morrugusu** (2320:3522). Taxa: *Deinotherium bozasi*. References: Harris (1977).
- Rooilepel** (2818:1635). Taxa: *Propedetes efeldensis*; *Propedetes laetoliensis*. References: Lehmann (2009); Pickford (1996b); Pickford and Mein (2011).
- Schurveberg** (2528). Taxa: *Cryptomys robertsi*; *Dinopithecus ingens*; *Elephantulus broomi*; *Mystromys hausleitneri*; *Megantereon whitei*; *Otomys gracilis*. References: Broom (1937a, 1948a); Freedman (1970).
- Skuurwerug** (3319). Taxa: *Kolpochoerus paiceae*. References: Broom (1937a, 1948a).
- Taung** (2737:2437). Taxa: *Acomys spinosissimus*; *Australopithecus africanus*; *Canis mesomelas* cf.; *Cephalophus parvus*; *Cercopithecoides williamsi*; *Crocidura fuscomurina* cf.; *Crocidura taungensis*; *Cryptomys robertsi*; *Dasymys 'lavocati'*; *Dendromus antiquus*; *Desmodillus auricularis*; *Elephantulus antiquus*; *Elephantulus brachyrhynchus* cf.; *Gazella*; *Gerbilliscus brantsii* cf.; *Gypsorhynchus darti*; *Gypsorhynchus minor*; *Hystrix africae australis*; *Lepus* cf.; *Macroselides proboscideus*; *Malacothrix typica* cf.; *Mastomys natalensis* cf.; *Mylomygale spiersi*; *Myotomys campbelli*; *Mystromys albicaudatus*; *Notochoerus capensis* cf.; *Oreotragus oreotragus*; *Otomys gracilis*; *Panthera leo* cf.; *Papio izodi*; *Parapapio broomi*; *Parapapio whitei*; *Pedetes gracilis*; *Petromus minor*; *Procavia antiqua*; *Procavia transvaalensis*; *Procercocebus antiquus*; *Proodontomys cookei*; *Rhabdomys* cf.; *Rhinolophus capensis* cf.; *Rhinolophus darlingi* cf.; *Suncus varilla*; *Syncerus aceolotus* cf.; *Thallomys debrynyi*; *Tragelaphus angasii* cf.; *Vulpes pattisoni*. References: Broom (1934, 1939b, 1948a); Cooke (1990); Davis (1961); De Graaff (1961a); Freedman (1965, 1970, 1976); McKee (1993a); McKee *et al.* (1995).
- Tree Pan** (2555:1556). Taxa: *Pedetes gracilis* cf. References: Pickford and Mein (2011).
- Tsachab** (2430:1543). Taxa: *Pedetes capensis* cf.; *Pedetes laetoliensis*. References: Pickford and Mein (2011).
- Waypoint 160** (2602:2743). Taxa: *Boltimys broomi*; *Euryotomys bolti*; *Parapapio*; *Petromus antiquus*. References: Gommery *et al.* (2014); Gommery *et al.* (2008c, 2009).

CHAPTER 5

The Pleistocene

5.1 PLEISTOCENE MAMMALS

More families, genera and species have been recorded from the Pleistocene than any other epoch in southern Africa (see [Table 7.1](#)). Proportions of extinct taxa vary at different levels. Thus, all 15 extant Orders are represented, and all of the 38 families are extant, but the situation is different at the generic and specific levels. Here there is a clear diversification in certain Orders, combined with high proportions of extinct taxa. For instance, in the Artiodactyla, 32 per cent of the genera and 49 per cent of the species are now extinct, while the numbers are 23 per cent and 43 per cent respectively in the Carnivora. On the other hand, the Rodentia contain only 8 per cent extinct genera and 17 per cent extinct species, while all the Chiroptera are extant.

ORDER: AFROSORICIDA
Suborder: Chrysochloridea
FAMILY: CHRYSOCHLORIDAE
Subfamily: Chrysochlorinae

Chlorotalpa duthiae Broom, 1907. *Trans. S. Afr. Philos. Soc.* 18: 292.

Duthie's golden mole.

Type locality: Knysna.

Additional references: Bronner (1995a, 1995b).



Chlorotalpa sclateri Broom, 1907. *Ann. Mag. Nat. Hist., Series 7*, 19: 263.

Slater's golden mole.

Type locality: Beaufort West.

Additional references: Bronner (1995a, 1995b); Broom (1907b, 1946, 1950).



†*Chlorotalpa spelea* Broom, 1941. *Ann. Transvaal Mus.* 20: 214.

Type locality: Sterkfontein.



Chrysochloris asiatica Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 53. Cape golden mole.

Type locality: usually taken as Cape of Good Hope.

Additional references: Broom (1907b, 1909c, 1910, 1946, 1950); Petter (1981); Roberts (1919).



Chrysofalax Gill, 1884. *Stand. Nat. Hist.* 5 (Mamm): 137.

Type locality: None given.

Additional references: Petter (1981).



Chrysofalax villosus Smith, 1833. *S. Afr. Quart. J.*, Series 2, 2: 81.

Rough-haired golden mole.

Synonyms: *Chrysochloris villosa*.

Type locality: near Durban.

Additional references: Broom (1909c, 1913a); Gray (1865a); Meester (1953b); Smith (1849).



Subfamily: Amblysominae

Amblysomus hottentotus Smith, 1829. *Zool. J.* 4: 436. Hottentot golden mole.

Synonyms: *iris*.

Type locality: Grahamstown.

Additional references: Bronner (1996); Broom (1908, 1909c); Capanna *et al.* (1989); Mynhardt *et al.* (2015); Petter (1981); Roberts (1946).



Neamblysomus gunningi Broom, 1908. *Ann. Transvaal Mus.* 1: 14.

Gunning's golden mole.

Synonyms: *Amblysomus*.

Type locality: Woodbush.

Additional references: Bronner (1995b, 2013); Bronner and Jenkins (2005).



†*Proamblysomus antiquus* Broom, 1941 *Ann. Transvaal Mus.* 20: 214.

Type locality: Sterkfontein



ORDER: MACROSCOLIDIA

FAMILY: MACROSCOLIDIDAE

Subfamily: Macroscelidinae

Elephantulus Thomas and Schwann, 1906. *Abstr. Proc. Zool. Soc. Lond.*

33: 10.

Additional references: Corbet and Hanks (1968); Evans (1942); Holroyd (2010a); Patterson (1965); Van der Horst (1944).



†*Elephantulus antiquus* Broom, 1948. *Ann. Transvaal Mus.* 21(1): 5.

Type locality: Bolt's Farm.

Additional references: Patterson (1965).



Elephantulus brachyrhynchus Smith, 1836. *Report of the Expedition for Exploring Central Africa:* 42. Short-snouted elephant shrew.

Synonyms: *Macroscelides*.

Type locality: Kuruman to southern Botswana.

Additional references: Smith (1849).



†*Elephantulus broomi* Corbet and Hanks, 1968. *Bull. Brit. Mus. Nat. Hist. Zool.* 16: 54.

Synonyms: *Elephantomys langi*.

Type locality: Schurveberg.



Elephantulus edwardii Smith, 1839. *Illustrations of the Zoology of South Africa*: pl. 14. Cape elephant shrew.

Synonyms: *Macroscelides*.

Type locality: Oliphants River.

Additional references: Roberts (1924); Smith (1849).



Elephantulus fuscus Peters, 1851. *Reise nach Mossambique, Säugethiere*: 87. Dusky elephant shrew.

Type locality: Boror.



Elephantulus intufi Smith, 1836. *Report of the Expedition for Exploring Central Africa*: 42. Bushveld elephant shrew.

Synonyms: *Macroscelides*.

Type locality: flats beyond Kurrichaine.

Additional references: Smith (1849).



Elephantulus myurus Thomas and Schwann, 1906. *Proc. Zool. Soc. Lond.* 1906: 586. Eastern rock elephant shrew.

Type locality: Woodbush.



Elephantulus rupestris Smith, 1830. *Proc. Committee. Sci. Corr. Zool. Soc. Lond.* 1: 11. Western rock elephant shrew.

Synonyms: *Macroscelides*.

Type locality: mountains near mouth of Orange River.

Additional references: Broom (1938b); Roberts (1938, 1946); Smith (1849).



Macroscelides Smith, 1829. *Zool. J. Lond.* 4: 435.

Type locality: none given.

Additional references: Corbet and Hanks (1968); Evans (1942); Patterson (1965); Smith (1849).

Comments: this genus is considered to be monospecific, so this material should almost certainly be assigned to *M. proboscideus*.



Macroscelides proboscideus Shaw, 1800. *Gen. Zool. Syst. Nat. Hist.* 1(2)

Mammalia: 536. Short-eared elephant shrew.

Synonyms: *typicus*.

Type locality: Roodeval.

Additional references: Roberts (1933, 1938).



Subfamily: †*Mylomygalinae*†*Mylomygale spiersi* Broom, 1948. *Ann. Transvaal Mus.* 21(1): 8.

Type locality: Taung.

Additional references: Holroyd (2010a); Patterson (1965).

**ORDER: TUBULIDENTATA**

FAMILY: ORYCTOPODIDAE

Orycteropus Cuvier, 1798. *Tableau Élémentaire de l'Histoire Naturelle des Animaux* 1798: 144.

Additional references: Holroyd (2010b); Kitching (1963); Lehmann (2007); Pickford (2008a).

*Orycteropus afer* Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 64. Aardvark.

Type locality: Cape of Good Hope.

Additional references: Kitching (1963); Lehmann (2004, 2007); Pickford (2005b); Shoshani *et al.* (1988).**ORDER: HYRACOIDEA**

FAMILY: PROCAVIIDAE

Dendrohyrax arboreus Smith, 1827. *Trans. Linn. Soc. Lond.* 14: 468.

Southern tree hyrax.

Type locality: Cape of Good Hope.

Additional references: Gray (1873); Thomas (1892).

*Procavia* Storr, 1780. *Prodromus Methodi Mammalium*: 40.†*Procavia antiqua* Broom, 1934. *S. Afr. J. Sci.* 31: 472.Synonyms: *Prohyrax*; *robertsi*.

Type locality: Taung.

Additional references: Broom (1948a); Churcher (1956); McMahon and Thackeray (1994); Rasmussen and Gutiérrez (2010); Schwartz (1997).

*Procavia capensis* Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 30. Rock hyrax.Synonyms: *Heterohyrax*; *coombsi*; *syriacus*; *welwitschii*.

Type locality: Cape of Good Hope.

Additional references: Maswanganye *et al.* (2017); McMahon and Thackeray (1994); Thomas (1892).

†*Procavia transvaalensis* Shaw, 1937. *J. Dental Res.* 16: 40.

Synonyms: *obermeyerae*.

Type locality: Taung.

Additional references: Churcher (1956); McMahon and Thackeray (1994).



ORDER: PROBOSCIDEA

FAMILY: ELEPHANTIDAE

Subfamily: Elephantinae

Elephas Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 33.

Synonyms: *Archidiskodon*; *Palaeoloxodon*.

Additional references: Cooke (1961); Todd (2010).



†*Elephas iolensis* Pomel, 1895. *Les éléphants Quaternaires: Carte Géologique de l'Algérie*: 32.

Synonyms: *Archidiskodon*; *Mammuthus*; *Palaeoloxodon*; *pilgrimia*; *archidiskodontoides*; *broomi*; *hanekomii*; *kuhni*; *sheppardi*; *transvaalensis*; *wilmani*; *yorki*.

Additional references: Cooke (1993b); Dart (1927, 1929b); Houghton (1932b); Hendey (1967); Osborn (1942); Sanders *et al.* (2010a); Todd (2010).

Comments: Pomel (1895) named this species *E. iolensis*.



†*Elephas recki* Dietrich, 1915. *Arch. Biontol.* 4(1): 22.

Synonyms: *Archidiskodon*; *Mammuthus*; *Palaeoloxodon*; *griqua*; *antiquus* *recki*.

Additional references: Arambourg (1942); Cooke (1993b); Dart (1929b); Houghton (1921); Osborn (1942); Sanders *et al.* (2010a); Todd (2005, 2010).



Loxodonta, Anonymous, 1827. *Zool. J.* 3: 140.

Synonyms: *Tetralophodon*?



Loxodonta africana Blumenbach, 1797. *D. Joh. Fr. Blumenbach's Handbuch der Naturgeschichte.*, 5th edition: 125. African bush elephant.

Synonyms: *Archidiskodon*; *Palaeoloxodon*; *Elephas*; *Mammuthus*; *loxodontoides*; *zulu*.

Type locality: Orange River, South Africa.

Additional references: Brook *et al.* (2014); Burmeister (1837); Dart (1929b); Sanders *et al.* (2010b); Todd (2010).



†*Loxodonta atlantica* Pomel, 1879. *Bull. Soc. Géol. France, Series 3*, 7: 51.

Synonyms: *Archidiskodon*; *Palaeoloxodon*; *zulu*.

Additional references: Sanders *et al.* (2010b); Scott (1907).



†*Loxodonta cookei* Sanders, 2007. *Trans. R. Soc. S. Afr.* 62(1): 7.

Synonyms: *Lukeino Stage*.

Type locality: Langebaanweg.

Additional references: Pickford and Senut (1997); Sanders *et al.* (2010a); Todd (2010).



†*Mammuthus subplanifrons* Osborn, 1928. *Nature* 121: 672–673.

Synonyms: *Archidiskodon*; *Elephas*; *Mastodon*; *Stegodon*; *andrewsi*; *milletti*; *proplanifrons*; *scotti*; *vanalpheni*.

Type locality: Sydney-on-Vaal.

Additional references: Dart (1929b); Maglio and Hendeby (1970); Meiring (1955); Osborn (1934, 1942); Sanders (2007); Sanders *et al.* (2010a); Todd (2010).



ORDER: PRIMATES
Suborder: Haplorrhini
FAMILY: CERCOPITHECIDAE
Subfamily: Cercopithecinae

Cercopithecus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 26.

Additional references: Jablonsky and Frost (2010).

Comments: material originally identified as *Cercopithecus* sp. is not mapped because it may be assigned to this genus or to *Chlorocebus* as currently understood (Wilson and Reeder 2005).

Cercopithecus albogularis Sykes, 1831. *Proc. Committee Sci. Corr. Zool. Soc. Lond.* 1L. Sykes' monkey.

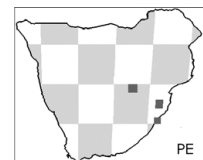
Synonyms: *mitis*.

Additional references: Dalton *et al.* (2015); Lawes (1990).



Chlorocebus aethiops Linnaeus, 1758, *Systema Naturae Regnum Animale*, 10th edition, 1: 28. Grivet.

Synonyms: *Cercopithecus*.



Chlorocebus pygerythrus Cuvier, 1821. *Hist. Nat. Mamm.* 24: 2. Vervet monkey.

Synonyms: *aethiops*.



†*Dinopithecus ingens* Broom, 1937. *S. Afr. J. Sci.* 33: 753.

Synonyms: *Papio*.

Type locality: Schurveberg.

Additional references: Freedman and Brain (1977); Gilbert (2013); Jablonsky and Frost (2010).



†*Gorgopithecus major* Broom and Robinson, 1949. *Proc. Zool. Soc. Lond.* 119: 386.

Synonyms: *Parapapio*

Type locality: Kromdraai.

Additional references: Gilbert (2013); Gilbert *et al.* (2016a); Gommery and Bento da Costa (2016); Jablonsky and Frost (2010).



Papio Erxleben, 1777. *Systema Regni Animalia per Classes* : Mammalia: xxx, 15.

Additional references: Williams *et al.* (2012).



†*Papio izodi* Gear, 1926. *S. Afr. J. Sci.* 23: 746.

Synonyms: *Gorgopithecus*; *Parapapio*; *angusticeps*; *wellsi*.

Type locality: Taung.

Additional references: Adams *et al.* (2013); Cooke (1990); Freedman (1965); Gilbert (2013); Gilbert *et al.* (2015); Gilbert *et al.* (2016b); Gommery and Bento da Costa (2016); Heaton (2006); Jablonsky and Frost (2010); McKee (1993b); McKee and Keyser (1994).



Comments: known material from Kromdraai is referred to *Papio* (*hamadryas*) *angusticeps* and a new specimen to *Papio hamadryas* spp. indet. by Singleton *et al.* (2016).

†*Papio robinsoni* Freedman, 1957. *Ann. Transvaal Mus.* 23(2): 183.

Synonyms: *Dinopithecus*; *Parapapio*; *hamadryas robinsoni*.

Type locality: Swartkrans.

Additional references: Gommery and Bento da Costa (2016); Gommery *et al.* (2008b); Freedman (1965); Freedman and Brain (1977); Jablonsky and Frost (2010).



Comments: Gommery and Bento da Costa (2016) consider this taxon to be a subspecies of *Papio hamadryas*.

†*Papio spelaeus* Broom, 1936. *Ann. Transvaal Mus.* 18: 396.

Type locality: Pretoria.

Additional references: Freedman (1957).

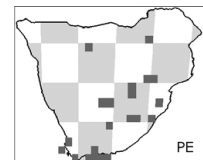


Papio ursinus Kerr, 1792. *The Animal Kingdom, or Zoological System of the Celebrated Sir Charles Linnaeus*: 63. Chacma baboon.

Synonyms: *cynocephalus*; *comatus*; *hamadryas*; *porcarius*; *rhodesiae*.

Type locality: Cape of Good Hope.

Additional references: Freedman (1954, 1965); Jablonsky and Frost (2010); Roberts (1932); Williams *et al.* (2012).



Comments: material from the Koanaka Hills in Botswana is assigned to *P. hamadryas* by Williams *et al.* (2012), probably because some authors (e.g. Singleton *et al.* 2016) consider *ursinus* to be a subspecies of *P. hamadryas*. Here, Wilson and Reeder (2005) are followed in considering *ursinus* to be a full species.

†*Parapapio* Jones, 1937. *S. Afr. J. Sci.* 33: 726.

Type locality: Sterkfontein.

Additional references: Grine and Hensley (1981); Jablonsky and Frost (2010).



†*Parapapio broomi* Jones, 1937. *S. Afr. J. Sci.* 33: 727.

Synonyms: *Brachygnathopithecus peppercorni*; *Gorgopithecus*; *makapani*.

Type locality: Sterkfontein.

Additional references: Freedman (1965); Freedman and Stenhouse (1972); Gilbert (2013); Gommery and Bento da Costa (2016); Heaton (2006); Jablonsky and Frost (2010); Maier (1970); Thackeray and Myer (2004).



†*Parapapio jonesi* Broom, 1940. *Ann. Transvaal Mus.* 20: 93.

Type locality: Sterkfontein.

Additional references: Freedman and Brain (1977); Freedman and Stenhouse (1972); Gilbert (2013); Gommery and Bento da Costa (2016); Heaton (2006); Jablonsky and Frost (2010); Maier (1970); Thackeray and Myer (2004).



†*Parapapio whitei* Broom, 1940. *Ann. Transvaal Mus.* 20: 90.

Type locality: Sterkfontein.

Additional references: Freedman (1965); Freedman and Stenhouse (1972); Gilbert (2013); Gommery and Bento da Costa (2016); Heaton (2006); Jablonsky and Frost (2010); Maier (1970).



†*Theropithecus oswaldi* Andrews, 1916. *Ann. Mag. Nat. Hist.*, Series 8, 18: 417.

Synonyms: *Parapapio coronatus?*; *Simopithecus*; *danieli*; *leakeyi*.

Additional references: Broom and Robinson (1948); Dechow and Singer (1984); Freedman (1957, 1976); Freedman and Brain (1977); Frost *et al.* (2017); Gilbert (2007b, 2013); Heaton (2006); Jablonsky and Frost (2010); Leakey (1943a).



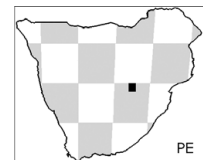
Subfamily: Colobinae

†*Cercopithecoides haasgati* McKee, Von Mayer and Kuykendall, 2011.

J. Human Evol. 60: 90.

Type locality: Haasgat.

Additional references: Adams *et al.* (2013); Kegley *et al.* (2011); Von Mayer (1998).

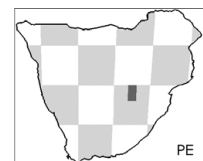


†*Cercopithecoides williamsi* Mollett, 1947. *S. Afr. J. Sci.* 43: 298.

Synonyms: *molletti*.

Type locality: Limeworks Makapansgat.

Additional references: Freedman (1961, 1965); Freedman and Brain (1977); Jablonsky and Frost (2010); Kuykendall and Rae (2008); Maier (1970); Von Mayer (1998).



†*Microcolobus* Benefit and Pickford 1986. *Amer. Phys. Anthrop.* 69: 446.



FAMILY: HOMINIDAE
Subfamily: Homininae

†*Australopithecus africanus* Dart, 1925. *Nature* 114: 198.

Synonyms: *Plesianthropus*; *prometheus*; *transvaalensis*.

Type locality: Taung.

Additional references: Broom (1929, 1939a); Broom and Robinson (1949a, 1949c); Clarke and Tobias (1995); Dart (1929a, 1948a, 1954, 1959); Häusler and Berger (2001); Lockwood and Tobias (1999, 2002); MacLatchy *et al.* (2010); Toussaint *et al.* (2003).



†*Australopithecus sediba* Berger, De Ruiter, Churchill, Schmid, Carlson, Dirks and Kibii, 2010. *Science* 328: 195.

Type locality: Malapa.

Additional references: Carlson *et al.* (2016); De Ruiter *et al.* (2013); Pickering *et al.* (2011).



Homo Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 20.

Additional references: Clarke *et al.* (1970); Curnoe (2001); Curnoe and Tobias (2006); Grine (1993, 2005); Smith and Grine (2008).



†*Homo erectus* Dubois, 1894. *Pithecanthropus erectus: ein meschenähnliche Übergangsform aus Java*.

Synonyms: *ergaster*.

Additional references: MacLatchy *et al.* (2010); Susman (1993).

Comments: Dubois (1894) not seen.



†*Homo gautengensis* Curnoe, 2010. *Homo- J. Comp. Human Biol.* 61: 172.

Synonyms: *habilis*.

Type locality: Sterkfontein.

Additional references: Curnoe and Tobias (2006).



†*Homo naledi* Berger, Hawks, de Ruiter, Churchill *et al.* 2015. *eLIFE* 2015, 4: e09560: 1.

Type locality: Dinaledi Chamber.

Additional references: Dembo *et al.* (2016); Holloway *et al.* (2018).



†*Homo rhodesiensis* Woodward, 1921. *Nature* 108 (2716): 371–372.

Synonyms: *heidelbergensis*.

Additional references: Dart (1948a, 1948b); MacLatchy *et al.* (2010); Singer (1956).

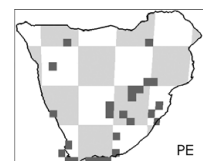
Comments: there is disagreement among specialists as to whether the African material should be assigned to *H. heidelbergensis* or to *H. rhodesiensis* (MacLatchy *et al.* 2010).



Homo sapiens Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 20. Modern human.

Synonyms: *capensis*; *helmei*.

Additional references: Ackermann *et al.* (2016); Beaumont *et al.* (1978);



Bräuer *et al.* (1992); Bräuer and Singer (1996); Broom (1918); Churchill *et al.* (1996); Dart (1940); De Villers (1973, 1974, 1976a, 1976b); Drennan (1937, 1953, 1955); Dreyer (1935); Galloway (1937a, 1937b); Grine (1998, 2000, 2012); Grine *et al.* (1995, 2007, 2010); Haughton *et al.* (1917); Hughes (1990); L'Abbé *et al.* (2008); Pycraft (1925); Keith (1933); MacLatchy *et al.* (2010); Pearson and Grine (1996); Pickford and Senut (1998); Rightmire (1978, 1979b); Rightmire and Deacon (1991); Rightmire *et al.* (2006); Singer (1954); Smith *et al.* (2012); Stynder *et al.* (2001); Trinkaus *et al.* (1999).

†*Paranthropus robustus* Broom, 1938. *Nature* 142: 379.

Synonyms: *Australopithecus*; *crassidens*.

Type locality: Kromdraai.

Additional references: Broom (1939a, 1939d, 1939e, 1949a); Broom and Robinson (1950a, 1950b, 1952); Clarke (1988); Clarke *et al.* (1970); De Ruiter *et al.* (2006); Gommery (2000); Grine (1981, 1982, 1993); Grine and Daegling (1993); Grine and Klein (1985); Grine and Susman (1991); Grine *et al.* (2012); Keyser (2000); Kuykendall and Conroy (1999); MacLatchy *et al.* (2010); Prat and Gommery (2012); Prat *et al.* (2014); Robinson (1970); Steininger *et al.* (2008).



ORDER: RODENTIA
Suborder: Sciuromorpha
 FAMILY: SCIURIDAE
 Subfamily: Xerinae

Paraxerus palliatus Peters, 1852. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 17: 273. Red bush squirrel.

Type locality: Quintangonha.



Xerus inauris Zimmermann, 1780. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 2: 344. South African ground squirrel.

Synonyms: *Geosciurus capensis*.

Type locality: Kaffirland, 100 miles (160 km) north of Cape of Good Hope.

Additional references: Skurski and Waterman (2005).

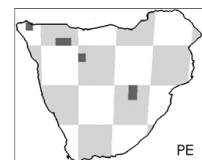


Suborder: Myomorpha
 FAMILY: GLIRIDAE
 Subfamily: Graphiurinae

Graphiurus Smuts, 1832. *Dissertation Zoologica, Enumerationem Mammalium Capensium*: 32–33.

Synonyms: *Claviglis*; *Gliriscus*; *Myoxus*.

Additional references: Daams and De Bruijn (1995); Holden (1996); Montgelard *et al.* (2003); Webb and Skinner (1995).



Graphiurus microtis Noack, 1887. *Zool. Jahrb.* 2: 248. Large savanna African dormouse.

Synonyms: *griselda*; *littoralis*; *schneideri*; *streeteri*.

Additional references: Roberts (1938).



Graphiurus murinus Desmarest, 1822. *Mammalogie ou descriptions des espèces de mammifères*, Part 2 (suppl.): 542. Forest African dormouse.

Synonyms: *alticola*; *tasmani*; *woosnami*; *vandami*; *zuluensis*.

Type locality: Cape of Good Hope.

Additional references: Holden (1996); Kryštufek *et al.* (2004); Roberts (1931, 1938).



Graphiurus ocellaris Smith, 1829. *Zool. J.* 4: 439. Spectacled African dormouse.

Synonyms: *Myoxus*; *capensis*.

Type locality: near Plettenberg Bay.

Additional references: De Winton (1898); Holden (1996); Smith (1849).



FAMILY: NESOMYIDAE

Subfamily: Cricetomyinae

Cricetomys ansorgei Thomas, 1904. *Ann. Mag. Nat. Hist.*, Series 7, 13: 412. Southern giant pouched rat.

Synonyms: *gambianus*.



Saccostomus Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258.

Comments: the Holocene material should almost certainly be assigned to *S. campestris* since this is the only species currently understood to occur in southern Africa (Wilson and Reeder 2005).

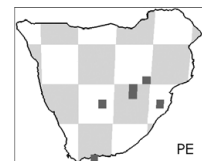


Saccostomus campestris Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258. Southern African pouched mouse.

Synonyms: *anderssoni*; *hildae*; *limpopoensis*; *mashonae*; *pagei*; *streeteri*.

Type locality: Tete.

Additional references: Denys (1988b); Roberts (1914).



Subfamily: Delanymyinae

†***Stenodontomys*** Pocock, 1987. *Palaeontol. Afr.* 26(7): 86.

Type locality: Limeworks Makapansgat.



Subfamily: Dendromurinae

Dendromus Smith, 1829. *Zool. J.* 4: 438.

Synonyms: *Poemys*.



Dendromus melanotis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 148. Grey African climbing mouse.

Synonyms: *arenarius*; *concinus*; *nigrifrons*.

Type locality: near Port Natal: Durban.

Additional references: Roberts (1931); Smith (1849).



Dendromus mesomelas Brants, 1827. *Het Geslacht der Muizen door Linnaeus Opgesteld*: 122. Brants' African climbing mouse.

Synonyms: *ayresi*; *typica*.

Type locality: Sunday's River, east of Port Elizabeth.

Additional references: Smith (1849).



Dendromus mystacalis Heuglin, 1863. *Nov. Act. Acad. Caes. Leop.-Carol.* 30: 2 suppl.: 5. Chestnut African climbing mouse



Dendromus nyikae Wroughton, 1909. *Ann. Mag. Nat. Hist.*, Series 8, 3: 248. Nyika African climbing mouse.



Malacothrix Wagner, 1843. In: Schreber, *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen*, Suppl. 3: 496.



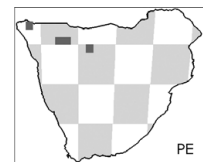
Malacothrix typica Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 148. Large-eared African desert mouse.

Type locality: Graaff Reinet District.

Additional references: Roberts (1932).



Steatomys Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258.



Steatomys krebsii Peters, 1852. *Reise nach Mossambique, Säugethiere:*

165. Krebs's African fat mouse.

Synonyms: *chiversi*; *pentonyx*; *pratensis*.

Type locality: Kaffraria.

Additional references: Roberts (1931).



Steatomys pratensis Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss.*

Berlin 11: 258. Common African fat mouse.

Synonyms: *natalensis*; *opimus*.

Type locality: Tete.

Comments: material from Botswana was identified as *Steatomys opimus* but, as currently understood, this species is almost entirely confined to West Africa (Musser and Carleton 2005).



Subfamily: *Mystromyinae*

Mystromys Wagner, 1841. *Gelehrte Anz. I. K. Bayer. Akad. Wiss. München* 12(54): col. 434.



Mystromys albicaudatus Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 148.

African white-tailed rat.

Synonyms: *Otomys*; *antiquus*.

Type locality: Albany District.

Additional references: De Winton (1898); Grubb (2004); Smith (1849).



†***Mystromys hausleitneri*** Broom, 1937. *S. Afr. J. Sci.* 33: 766.

Synonyms: *hauslichtneri*.

Type locality: Schurveberg.

Additional references: Broom (1948a).

Comments: there is disagreement about the identity of some Pleistocene samples, which have been variously assigned to this species or to *M. albicaudatus*. See Avery (1998) for further discussion.



†***Proodontomys cookei*** Pocock, 1987. *Palaeontol. Afr.* 26(7): 82.

Type locality: Limeworks Makapansgat



Subfamily: *Petromyscinae*

Petromyscus Thomas, 1926. *Ann. Mag. Nat. Hist.*, Series 9, 17: 179.

Additional references: Petter (1967).



FAMILY: MURIDAE

Subfamily: Deomyinae

Acomys Geoffroy Saint-Hilaire, 1838. *Ann. Sci. Nat. Zool. Paris*, Series 2: 10: 126.

Additional references: Chevret *et al.* (1993a); Dippenaar and Rautenbach (1986).



Acomys spinosissimus Peters, 1852. *Reise nach Mossambique, Saugethiere*: 160. Southern African spiny mouse.

Synonyms: *cahirinus selousi*; *transvaalensis*.

Type locality: Tete and Buio.

Additional references: Dippenaar and Rautenbach (1986).



Acomys subspinosus Waterhouse, 1837. *Proc. Zool. Soc. Lond.* 1837: 104. Cape spiny mouse.

Type locality: Cape of Good Hope.

Additional references: Dippenaar and Rautenbach (1986).



Subfamily: Gerbillinae

Desmodillus Thomas and Schwann, 1904. *Abstr. Proc. Zool. Soc. Lond.* 2: 6.

Synonyms: *Gerbillus*; *Pachyuromys*.

Additional references: Pavlinov (2001).

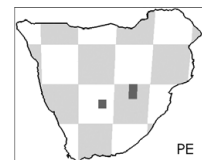


Desmodillus auricularis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 160. Short-eared gerbil.

Synonyms: *Gerbillus*; *brevicaudatus*.

Type locality: Kamiesberg.

Additional references: Griffin (1990); Qumsiyeh (1986); Smith (1849).



Gerbilliscus Thomas, 1897. *Proc. Zool. Soc. Lond.* 1897: 433.

Synonyms: *Gerbillus*; *Tatera*.



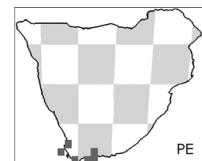
Gerbilliscus afra Gray, 1830. *Spicil. Zool.* 2: 10. Cape gerbil.

Synonyms: *Gerbillus*; *Meriones*; *Tatera*; *africanus*.

Type locality: vicinity of Cape Town.

Additional references: Chacornac (1999); Cuvier (1841); Davis (1949, 1965); Qumsiyeh (1986); Smith (1849); Smuts (1832).

Comments: Gray, 1830 not seen. Citation according to Wilson and Reeder (2005).



Gerbilliscus brantsii Smith, 1836. *Report of the Expedition for Exploring Central Africa*: 43. Highveld gerbil.

Synonyms: *Gerbillus*; *Tatera*; *montanus*.

Type locality: Ladybrand.

Additional references: Davis (1949, 1965); Griffin (1990); Qumsiyeh (1986); Roberts (1926); Smith (1849).



Gerbilliscus leucogaster Peters, 1852. *Bericht Verhandl. K. Preuss., Akad. Wiss. Berlin* 17: 274. Bushveld gerbil.

Synonyms: *Gerbillus*; *Tatera*.

Type locality: Boror.

Additional references: Davis (1949, 1965); Griffin (1990); Qumsiyeh (1986).



Gerbillurus Shortridge, 1942. *Ann. S. Afr. Mus.* 36(1): 52.

Additional references: Qumsiyeh *et al.* (1991).



Gerbillurus paeba Smith, 1836. *Report of the Expedition for Exploring Central Africa*: 43. Paeba hairy-footed gerbil.

Synonyms: *Gerbillus*; *tenuis*.

Type locality: Vryberg.

Additional references: Chacornac (1999); De Winton (1898); Griffin (1990); Perrin *et al.* (1999); Qumsiyeh (1986); Taylor (2000).



FAMILY: MURIDAE

Subfamily: Murinae

Aethomys Thomas, 1915. *Ann. Mag. Nat. Hist., Series 8*, 16: 477.

Additional references: Chimimba (1997, 1998, 2005); Chimimba and Dippenaar (1994); Chimimba *et al.* (1999); Visser and Robinson (1986).

Comments: many specimens were identified as *Aethomys* sp. at a time when *Micaelamys* was not recognised as a separate genus. For this reason, distributions that rely on material not identified to species have not been mapped, pending re-identification.

Aethomys chrysophilus De Winton, 1896. *Proc. Zool. Soc. Lond.* 1896: 801. Red veld aethomys.

Additional references: Chimimba (2000); Chimimba and Dippenaar (1994); Roberts (1926, 1946).



Arvicanthis Lesson, 1842. *Nouveau Tableau du Règne Animal*: 147.

Additional references: Grubb (2004).



Dasymys Peters, 1875. *Monatsb. K. Preuss. Akad. Wiss. Berlin* 1875: 12.

Additional references: Verheyen *et al.* (2003).



†*Dasymys 'boliti'* Broom, unpublished.

Type locality: Bolt's Farm.

Additional references: Denys (1990a).

Comments: *Nomen nudum*.



†*Dasymys 'broomi'* Broom, unpublished.

Synonyms: *brevirostris*.

Type locality: Sterkfontein.

Comments: *Nomen nudum*.



Dasymys incomtus Sundevall, 1846. *Ofv. K. Svenska Vet.-Akad. Forhandl.*, 3: 120. Common dasymys.

Type locality: Durban.

Additional references: Gordon (1991); Mullin *et al.* (2004).

Comments: much of the material identified as *D. incomtus* was identified at a time when this species was the only one recognised in southern Africa. For this reason, this material should be considered as *D. incomtus sensu lato* until such time as it is re-examined.



†*Dasymys 'lavocati'* Broom, unpublished.

Type locality: Bolt's Farm.

Comments: *Nomen nudum*.



Grammomys Thomas, 1915. *Ann. Mag. Nat. Hist.* (8)16: 150.

Synonyms: *Thamnomys*.



Grammomys dolichurus Smuts, 1832. *Dissertation Zoologica,*

Enumerationem Mammalium Capensium: 38. Common grammomys.

Type locality: near Cape Town.

Additional references: Roberts (1931).



Lemniscomys rosalia Thomas, 1904. *Ann. Mag. Nat. Hist.*, Series 7, 13: 414. Single-striped lemniscomys.

Synonyms: *dorsalis*; *griselda*.

Additional references: Smith (1849).



Mastomys Thomas, 1915. *Ann. Mag. Nat. Hist.*, Series 8, 16: 477.

Synonyms: *Praomys*.

Additional references: Britton-Davidian *et al.* (1995); Granjon *et al.* (1997); Grubb (2004); Taylor (2000).



Mastomys coucha Smith, 1834. *Report of the Expedition for Exploring Central Africa*: 43. Southern African mastomys.

Synonyms: *Praomys*; *natalensis*.

Type locality: between Orange River and Tropic of Capricorn.

Additional references: Bronner *et al.* (2007); Dippenaar *et al.* (1993); Smit and Van der Bank (2001).

Comments: this material was originally identified as *M. natalensis* at a time when *M. coucha* was not recognised as a separate species.



Mastomys natalensis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 146. Natal mastomys.

Synonyms: *Praomys*.

Type locality: Port Natal = Durban.

Additional references: Bronner *et al.* (2007); Dippenaar *et al.* (1993); Green *et al.* (1980); Smit and Van der Bank (2001); Smith (1849).

Comments: see comment under *M. coucha* above.



Micaelamys Ellerman, 1941. *Families and Genera of Living Rodents* 2: 170. Synonyms: *Aethomys*.

Type locality: not given by Ellerman (1941) but presumably Deelfontein since this is the type locality of the type species *M. granti*.



Micaelamys namaquensis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 160. *Namaqua micaelamys*.

Synonyms: *Aethomys*; *lehocla*.

Type locality: Cape of Good Hope: restricted to Witwater.

Additional references: Chimimba (2001); Chimimba and Dippenaar (1994); Roberts (1926, 1946); Russo (2009); Smith (1849); Visser and Robinson (1986).



Mus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 59.

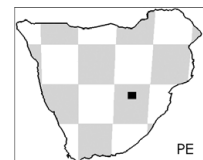
Additional references: Britton-Davidian *et al.* (2012); Veyrunes *et al.* (2005).



†***Mus major*** Broom, ?unpublished.

Type locality: Bolt's Farm.

Comments: *Nomen nudum*?



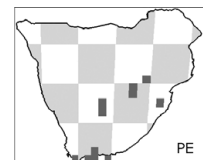
Mus minutoides Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 147. Southern African pygmy mouse.

Synonyms: *Leggada*.

Type locality: Cape Town.

Additional references: Britton-Davidian *et al.* (2012).

Comments: some of the specimens from the more arid areas may be *M. indutus*, but see comment under that species.



Mus triton Thomas, 1909. *Ann. Mag. Nat. Hist.*, Series 8, 4: 548. Grey-bellied mouse.

Additional references: Britton-Davidian *et al.* (2012).



Myomyscus verreauxii Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 146.

Verreaux's white-footed rat.

Synonyms: *Praomys*; *Myomys*; *colonus*.

Type locality: near Cape Town.

Additional references: Grubb (2004); Smith (1849).



Pelomys fallax Peters, 1852. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 17: 275. East African pelomys.

Type locality: Caia District.



Rhabdomys Thomas, 1916. *Ann. Mag. Nat. Hist.*, Series 8, 18: 69.



Rhabdomys dilectus De Winton, 1896. *Proc. Zool. Soc. Lond.* 1896: 803. Mesic four-striped grass rat.

Type locality: Mazoe.

Comments: *Rhabdomys dilectus* is again regarded (Wilson and Reeder 2005) as a separate species from *R. pumilio*, but at the time that most of the fossil material was identified only *R. pumilio* was recognised as a full species. No fossil material has yet been identified as *R. dilectus*, but see comments under *R. pumilio* below.

Rhabdomys pumilio Sparrman, 1784. *K. Svenska Vet.-Akad. Handl.*: 236. Xeric four-striped grass rat.

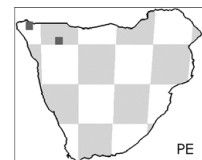
Type locality: Slangrivier: east of Knysna.

Additional references: Castiglia *et al.* (2012); Le Grange *et al.* (2015); Roberts (1946); Smith (1849); Wroughton (1905).

Comments: samples recorded here should be regarded as belonging to *Rhabdomys pumilio sensu lato* and are very likely to include some material that would currently be regarded as *R. dilectus*.



Thallomys Thomas, 1920. *Ann. Mag. Nat. Hist.*, Series 9, 5: 141.



†***Thallomys debruyni*** Broom, 1948. *Ann. Transvaal Mus.* 21: 35.

Type locality: Taung Hrdlicka's Cave.



Thallomys paedulus Sundevall, 1846. *Ofv. K. Svenska Vet.-Akad. Forhandl.* 3: 120.

Synonyms: *Acacia thallomys*.

Type locality: provisionally fixed as Crocodile Drift, Brits.

Additional references: Taylor (2000); Taylor *et al.* (1995).

Comments: this material was identified as *T. paedulus* at a time when only the one species was recognised, but some would now almost certainly be identified as *T. nigricauda*.

Zelotomys Osgood, 1910. *Field Mus. Nat. Hist. Publ., Zool. Series* 10: 7.



Zelotomys woosnami Schwann, 1906. *Proc. Zool. Soc. Lond.* 1906: 108.

Woosnam's zelotomys.

Type locality: Molopo River.



Subfamily: †Myocricetodontinae

†***Myocricetodon*** Lavocat, 1952. *C. R. Acad. Sci. Paris*, 235: 190.



Subfamily: Otomyinae

†***Myotomys campbelli*** Broom and Schepers, 1946. *Transvaal Mus. Mem.* 2: 29.

Type locality: Taung.



Myotomys sloggetti Thomas, 1902. *Ann. Mag. Nat. Hist., Series* 7, 10: 311. Rock karoo rat.

Synonyms: *Otomys*.

Type locality: Deelfontein.

Additional references: Taylor *et al.* (2004).



Myotomys unisulcatus Cuvier, 1829. In: Geoffroy Saint-Hilaire and Cuvier, *Histoire Naturelle des Mammifères*: 6 LX *Otomys cafre*. Bush karoo rat.

Synonyms: *Euryotis*; *Otomys*.

Type locality: Matjiesfontein.

Additional references: Edwards (2009); Edwards *et al.* (2011); Smith (1849); Taylor *et al.* (1989, 2004).



Otomys Cuvier, 1825. *Des Dents des Mammifères Considérées comme Caractères Zoologiques*: 168.

Additional references: Chevret *et al.* (1993b); Maree (2002); Meester *et al.* (1992).

Comments: many specimens identified as *Otomys* sp. were identified at a time when *Myotomys* was not recognised as a separate genus. For this reason, distributions that rely on material not identified to species have not been mapped, pending further identification.

Otomys angoniensis Wroughton, 1906. *Ann. Mag. Nat. Hist., Series 7*, 18: 274. Angoni vlei rat.

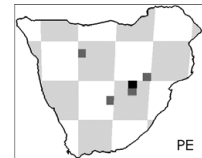
Additional references: Bronner and Meester (1988); Taylor *et al.* (2004).



†***Otomys gracilis*** Broom, 1937. *S. Afr. J. Sci.* 33: 761.

Synonyms: *Palaeotomys*.

Type locality: Schurveberg.

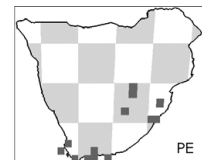


Otomys irroratus Brants, 1827. *Het Geslacht der Muizen door Linnaeus Opgesteld*: 94. Southern African vlei rat.

Synonyms: *Euryotis*; *Mus*.

Type locality: Cape Town District.

Additional references: Bronner *et al.* (1988); Engelbrecht *et al.* (2011); Smith (1849); Taylor (2000); Taylor *et al.* (1989, 2009).



Otomys laminatus Thomas and Schwann, 1905. *Abst. Proc. Zool. Soc. Lond.* 1905(i)(18): 23. KwaZulu vlei rat.

Type locality: Sibudeni.

Additional references: Roberts (1919, 1932).



Otomys saundersiae Roberts, 1929. *Ann. Transvaal Mus.* 13: 114. Saunders' vlei rat.

Synonyms: *karoensis*.

Type locality: Grahamstown.

Additional references: Roberts (1931); Taylor *et al.* (1993, 2009).



Parotomys Thomas, 1918. *Ann. Mag. Nat. Hist., Series 9*, 2: 205.

Additional references: Maree (2002); Meester *et al.* (1992).



Parotomys brantsii Smith, 1834. *S. Afr. Quart. J., Series 2*, 2: 150. Brants' whistling rat.

Synonyms: *Euryotis*.

Type locality: 'towards the mouth of the Orange River'.

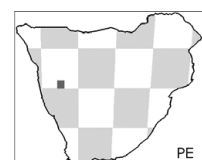
Additional references: Rookmaker and Meester (1988); Smith (1849); Taylor *et al.* (1989, 2004).



Parotomys littledalei Thomas, 1918. *Ann. Mag. Nat. Hist., Series 9*, 2: 205. Littledale's whistling rat.

Type locality: Tuin Kenhardt.

Additional references: Roberts (1933); Taylor *et al.* (1989, 2004).



Suborder: Anomaluomorpha

FAMILY: PEDETIDAE

Pedetes Illiger, 1811. *Prodromus Systematis Mammalium et Avium*: 81.



Pedetes capensis Forster, 1778. *K. Svenska Vet.-Akad. Handl.* 39: 109.

South African spring hare.

Type locality: Cape of Good Hope.

Additional references: Roberts (1946).



†*Pedetes hagenstadtii* Dreyer and Lyle, 1931. *New Fossil Mammals and Man from South Africa*: 40.

Type locality: Florisbad.

**Suborder: Hystricomorpha**

FAMILY: BATHYERGIDAE

Subfamily: Bathyerginae

Bathyergus Illiger, 1811. *Prodromus Systematis Mammalium et Avium*: 86.

Additional references: De Graaff (1965); Faulkes *et al.* (2004).



Bathyergus janetta Thomas and Schwann, 1904, *Abstr. Proc. Zool. Soc. Lond.* 2: 6. Namaqua dune mole-rat.

Type locality: Port Nolloth.

Additional references: Thomas and Schwann (1904b).



Bathyergus suillus Schreber, 1782. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 4: 714. Cape dune mole-rat.

Type locality: Cape of Good Hope.

Comments: volume 4 was published in 1792 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135004#page/137/mode/1up; accessed 19 May 2017) and 'Der Sandmoll' is discussed on pp. 715–716, not 714, and *Mus suillus* is listed on p. 932. Plate 204B appears in an undated volume containing plates 166–280 (www.biodiversitylibrary.org/item/97330#page/125/mode/1up). Bennett *et al.* (2009) give the reference for this species as Schreber, J.C.D. 1782. *Die Säugthiere in Abbildungen nach der Natur, mit Beschreibungen. Supplementband III [Dritte Abtheilung: Die Beutelhthiere und Rage]*. Wolfgang Walther, Erlangen, Germany. This publication was not seen.



Cryptomys Gray, 1864. *Proc. Zool. Soc. Lond.* 1864: 124.

Additional references: De Graaff (1965); Faulkes *et al.* (2004); Ingram *et al.* (2004); Kock *et al.* (2006); Thomas (1917).

Comments: some specimens previously identified as *Cryptomys* sp. may be referable to *Fukomys* sp. as currently understood.



Cryptomys hottentotus Lesson, 1826. *Zool.* 1: 166. Southern African mole-rat.

Type locality: near Paarl.

Additional references: Avery (2004); Denys (1988a); Roberts (1913, 1946).

Comments: it is possible that some of the material may be referable to *Fukomys damarensis*, which was not recognised as a separate species when many of the samples were identified.



†***Cryptomys robertsi*** Broom, 1937. *S. Afr. J. Sci.* 33: 760.

Type locality: Schurveberg.

Comments: it has been suggested that this taxon is inseparable from *Georychus capensis* (Avery, 1998).



Georychus Illiger, 1811. *Prodromus Systematis Mammalium et Avium*: 87.

Additional references: De Graaff (1965); De Winton (1898); Faulkes *et al.* (2004); Gray (1864a); Thomas (1895b, 1917).

Comments: these should almost certainly be assigned to *G. capensis*.



Georychus capensis Pallas, 1778. *Njova. Spec. Quad. Glir. Ord.* 76: 172. Cape mole-rat.

Type locality: Cape of Good Hope.

Additional references: Bennett *et al.* (2006, 2016).

Comments: the Holocene occurrence in 2032 may be considered unlikely: this taxon is currently endemic to South Africa (Maree *et al.* 2017), whereas *Cryptomys hottentotus* occurs in southern Zimbabwe (Maree and Faulkes 2016).

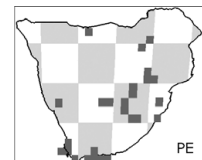


FAMILY: HYSTRICIDAE

Subfamily: Hystricinae

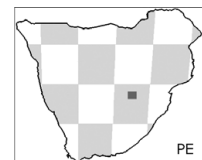
Hystrix africae australis Peters, 1852. *Reise nach Mossambique, Säugethiere*: 170. Cape porcupine.

Additional references: Maguire (1976).



Hystrix cristata Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 56. Crested porcupine.

Additional references: Maguire (1976).

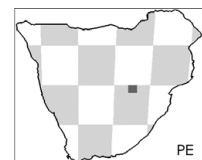


†***Hystrix makapanensis*** Greenwood, 1958. *Ann. Mag. Nat. Hist.*, Series 13, 1: 365.

Synonyms: *major*.

Type locality: Limeworks Makapansgat.

Additional references: Adams (2012a); Greenwood (1955).



FAMILY: PETROMURIDAE

Petromus Smith, 1831. *S. Afr. Quart. J.* 1(5): 10



Petromus typicus Smith, 1831. *S. Afr. Quart. J.* 1(5): 11. Dassie rat.
Type locality: 'Mountains towards mouth of Orange River'.
Additional references: Roberts (1938, 1946); Smith (1849).



FAMILY THRYONOMYIDAE

Thryonomys Fitzinger, 1867. *Sitzb. Akad. Wiss. Wein* 56(1): 141.



Thryonomys swinderianus Temminck, 1827. *Monographies de Mammalogie* 1: 248. Greater cane rat.
Additional references: Van der Merwe (2007).



ORDER: LAGOMORPHA

FAMILY: LEPORIDAE

Bunolagus monticularis Thomas, 1903. *Ann. Mag. Nat. Hist., Series 7*, 11: 78. Riverine rabbit.

Synonyms: *Lepus*.

Type locality: Deelfontein.

Additional references: Robinson and Dippenaar (1987); Robinson and Matthee (2005); Robinson and Skinner (1983).



Lepus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 57.

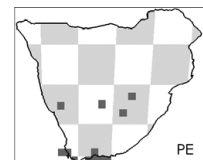
Additional references: Robinson and Dippenaar (1987); Robinson and Matthee (2005).



Lepus capensis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 58. Cape hare.

Type locality: Cape of Good Hope.

Additional references: Roberts (1932).



Lepus saxatilis Cuvier, 1823. *Dict. Sci. Nat.* 26: 309. Scrub hare.

Type locality: 'à trois journées au nord du cap de Bonne-Espérance' (north of Cape of Good Hope).

Additional references: Kolbe (1948); Roberts (1932); Robinson and Dippenaar (1983).



Pronolagus Lyon, 1904. *Smithson. Misc. Coll.* 45: 416.

Additional references: Robinson and Matthee (2005).



Pronolagus crassicaudatus Geoffroy Saint-Hilaire, 1832. *Mag. Zool. Paris* 2: cl. 1, pl. 9 and text. Natal red rock hare.

Synonyms: *Oryctolagus*.

Type locality: 'Port Natal' (Durban).



Pronolagus randensis Jameson, 1907. *Ann. Mag. Nat. Hist., Series 7*, 20: 404. Jameson's red rock hare.

Type locality: 'Observatory Kopje Johannesburg'.



Pronolagus rupestris Smith, 1834. *S. Afr. Quart. J., Series 2*, 2: 174.

Smith's red rock hare.

Synonyms: *crassicaudatus*.

Type locality: Probably Van Rhynsdorp District.

Additional references: Roberts (1938).



ORDER: ERINACEOMORPHA

FAMILY: ERINACEIDAE

Subfamily: Erinaceinae

Atelerix frontalis Smith, 1831. *S. Afr. Quart. J.* 1(5): 10, 29. Southern African hedgehog.

Synonyms: *Erinaceus capensis*.

Type locality: northern parts of the Graaff Reinet district.

Additional references: Smith (1830, 1838, 1849).



†*Erinaceus broomi* Butler and Greenwood, 1973. *Foss. Vert. Afr.* 3: 7–42.

Synonyms: *Atelerix major*.

Type locality: Bolt's Farm (*A. major*).

Additional references: Broom (1937b, 1948a).



ORDER: SORICOMORPHA

FAMILY: SORICIDAE

Subfamily: Crocidurinae

Crocidura Wagler, 1832. *Isis von Oken* 25: 275.

Additional references: Butler *et al.* (1989); Jenkins *et al.* (1998); Meester (1953a, 1961b, 1963); Meester *et al.* (1985).



Crocidura cyanea Duvernoy, 1838. *Mem. Soc. Hist. Nat. Strasbourg* 2: 2. Reddish-grey musk shrew.

Type locality: Citrusdal Citrusdal *fide* Shortridge (1942: 27).



Crocidura flavescens Geoffroy Saint-Hilaire, 1827. *Dict. Class. Hist. Nat.*

11: 324. Greater red musk shrew.

Synonyms: *Sorex*; *capensis*.

Type locality: King William's Town.

Additional references: Smith (1849).



Crocidura fuscomurina Heuglin, 1865. *Nov. Acta Acad. Caes. Leop.-Carol.*

32: 36. Bicolored musk shrew.

Synonyms: *bicolor*.

Additional references: Hutterer (1983).



Crocidura hirta Peters, 1852. *Reise nach Mossambique, Säugethiere*: 78.

Lesser red musk shrew.

Type locality: Tete.



Crocidura mariquensis Smith, 1844. *Illustrations of the Zoology of South Africa*: pl. 44, fig. 1. Swamp musk shrew.

Synonyms: *Sorex*.

Type locality: near Marico River.

Additional references: Dippenaar (1977, 1979); Meester (1964b); Smith (1849).



Comments: citation as given in Wilson and Reeder (2005). There is clearly considerable uncertainty surrounding the publication dates of Smith's *Illustrations of South African Zoology* (Low and Evenhuis 2014).

Crocidura silacea Thomas, 1895. *Ann. Mag. Nat. Hist.*, Series 6, 16: 53.

Lesser grey-brown musk shrew.

Type locality: Figtree Creek.



†***Crocidura taungensis*** Broom, 1948. *Ann. Transvaal Mus.* 21: 10.

Synonyms: *Suncus*.

Type locality: Taung.

Additional references: Meester (1954).



Suncus Ehrenberg, 1832. In Hemprich and Ehrenberg, *Symbolae Physicae, seu, Icones et Descriptiones* 2: k.

Additional references: Jenkins *et al.* (1998); Meester (1953a); Meester and Lambrechts (1971); Meester and Meyer (1972); Quérouil *et al.* (2001).

Comments: there is doubt about authorship of this series of publications.

See discussion on www.zoonomen.net/mamntax/cit/jours.html.



Suncus infinitesimus Heller, 1912. *Smithson. Misc. Coll.* 60(12): 5. Least dwarf shrew.



Suncus lixus Thomas, 1897. *Proc. Zool. Soc. Lond.* 1897: 930. Greater dwarf shrew.
Synonyms: *Crocidura*.



Suncus varilla Thomas, 1895. *Ann. Mag. Nat. Hist., Series 6*, 16: 54.
Lesser dwarf shrew.
Type locality: East London.
Additional references: Roberts (1946).



Subfamily: Myosoricinae

Myosorex Gray, 1837. *Proc. Zool. Soc. Lond.* 1837: 124.
Additional references: Matthews and Stynder (2011b); Meester (1953a, 1958); Quérroul *et al.* (2001); Willows-Munro and Matthee (2009).



Myosorex cafer Sundevall, 1846. *Ofv. K. Svenska Vet.-Akad. Forhandl.* 3: 119. Dark-footed mouse shrew.
Synonyms: *tenuis*.
Type locality: 'E Caffraria interiore et Port-Natal'.
Additional references: Avery (1998).



†*Myosorex robinsoni* Meester, 1954. *Ann. Transvaal Mus.* 22: 272.
Type locality: Swartkrans.
Additional references: Butler (2010); Butler and Greenwood (1979).



Myosorex varius Smuts, 1832. *Dissertation Zoologica, Ennumerationem Mammalium Capensium*: 108. Forest shrew.
Synonyms: *Sorex*.
Type locality: Algoa Bay, Port Elizabeth.
Additional references: Roberts (1924); Smith (1849).



ORDER: CHIROPTERA Suborder: Microchiroptera FAMILY: RHINOLOPHIDAE

Rhinolophus Lacépède, 1799. *Tableau des Divisions, Sous-divisions, Ordres, et Genres des Mammifères*: 15.
Additional references: Andersen (1905); Taylor *et al.* (2012).
Comments: Lacépède, 1799 not seen. Citation according to Wilson and Reeder (2005).



Rhinolophus blasii Peters, 1866. *Monatsb. K. Preuss. Akad. Wiss. Berlin* 1866: 17. Blasius' horseshoe bat.



Rhinolophus capensis Lichtenstein, 1823. *Verzeichniss der Doubletten des zoologischen Museums der Königl. Universität zu Berlin*: 4. Cape horseshoe bat.

Type locality: Cape of Good Hope.



Rhinolophus clivosus Cretzschmar, 1826. In: Rüppell, *Atlas zu der Reise im nördlichen Afrika Zoologie*: 47. Geoffroy Saint-Hilaire's horseshoe bat. Synonyms: *geoffroyi*.



Rhinolophus darlingi Andersen, 1905. *Ann. Mag. Nat. Hist., Series 7*, 15: 70. Darling's horseshoe.

Type locality: Mazoe.



Rhinolophus hildebrandtii Peters, 1878. *Monatsb. K. Preuss. Akad. Wiss. Berlin* 1878: 195. Hildebrandt's horseshoe bat.

Additional references: Taylor *et al.* (2012).



FAMILY: HIPPOSIDERIDAE

Hipposideros Gray, 1831. *Zoological Miscellany* 1: 37.



Hipposideros caffer Sundevall, 1846. *Ofv. K. Svenska Vet.-Akad. Forhandl.* 3: 118. Sundevall's leaf-nosed bat.



Hipposideros gigas Wagner, 1845. *Arch. Naturgesch.* 11(1): 148. Giant leaf-nosed bat.



Hipposideros vittatus Peters, 1852. *Naturwissenschaftliche Reise nach Mossambique*: 32. Striped leaf-nosed bat.

Synonyms: *Rhinolophus*; *commersoni*.

Additional references: Geoffroy Saint-Hilaire (1813); Thomas (1904a).



FAMILY: NYCTERIDAE

Nycteris Geoffroy Saint-Hilaire and Cuvier, 1795. *Mag. Encyclop.* 2: 186.



Nycteris thebaica Geoffroy Saint-Hilaire, 1818. *Description des Mammifères qui se trouvent en Egypte* 2: 119. Egyptian slit-faced bat.
Additional references: Gray *et al.* (1999).



FAMILY: EMBALLONURIDAE

Taphozous Geoffroy Saint-Hilaire, 1818. *Description des Mammifères qui se trouvent en Egypte* 2: 113.



FAMILY: MOLOSSIDAE

Subfamily: Molossinae

Tadarida Rafinesque, 1814. *Précis des découvertes et travaux somnologiques*: 55.



Tadarida aegyptiaca Geoffroy Saint-Hilaire, 1818. *Description des Mammifères qui se trouvent en Egypte* 2: 128. Egyptian free-tailed bat.



FAMILY: VESPERTILIONIDAE

Subfamily: Vespertilioninae

Eptesicus Rafinesque, 1820. *Ann. Nature* 1: 2.

Comments: distribution of material assigned only to genus has been disregarded because it may well belong to *Neoromicia* as presently understood.

Eptesicus hottentotus Smith, 1833. *S. Afr. Quart. J.*, Series 2, 1: 59. Long-tailed serotine.

Type locality: Uitenhage.

Additional references: Hill and Harrison (1987); Kearney *et al.* (2002).



Glauconycteris variegata Tomes, 1861. *Proc. Zool. Soc. Lond.* 1861: 36. Variegated butterfly bat.



Neoromicia capensis Smith, 1829. *Zool. J.* 4: 435. Cape serotine.

Additional references: Riccucci and Lanza (2008).



Scotophilus nigrita Schreber, 1775. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 1: 171. Giant house bat.

Synonyms: *dinganii*.

Additional references: Robbins (1978); Robbins *et al.* (1985).

Comments: volume 1 was published in 1775 (not 1774) according to the version obtained from the University of Heidelberg (<http://digi.ub.uni-heidelberg.de/schreber1875textbd>) and *Vespertilio nigrita* is listed on p. 190. Plate 58 appears in an undated volume containing plates 1–80 (www.biodiversitylibrary.org/item/97331#page/279/mode/1up).



Subfamily: Myotinae

Cistugo lesueurii Roberts, 1919. *Ann. Transvaal Mus.* 6: 112. Lesueur's wing-gland bat.

Synonyms: *Myotis*.

Type locality: Lormarins.

Additional references: Kearney and Van Schalkwyk (2009).



Myotis Kaup, 1829. *Skizz. Entwickel.-Gesch. Nat. Syst. Europ. Thierwelt* 1: 106.

Additional references: Gray (1842).



Myotis tricolor Temminck, 1832. In: Smuts, *Dissertation Zoologica, Enumerationem Mammalium Capensium*: 106. Temminck's myotis.

Type locality: Cape Town.

Additional references: Kearney *et al.* (2002).



Myotis welwitschii Gray, 1866. *Proc. Zool. Soc. Lond.* 1866: 211.

Welwitsch's myotis.

Synonyms: *Scotophilus*.

Additional references: Gray (1866); Ratcliffe (2002).



Subfamily: Miniopterinae

Miniopterus Bonaparte, 1837. *Iconografia della Fauna Italica* 1: fasc. 20.

Additional references: Miller-Butterworth *et al.* (2007).



***Miniopterus schreibersii* Kuhl, 1817. *Die Deutschen Fledermäuse*: 14.**

Schreibers's long-fingered bat.

Additional references: Miller-Butterworth *et al.* (2005); Smith (1849).

Comments: some of the material would perhaps now be assigned to *Miniopterus natalensis*, which was previously considered to be a subspecies of *M. schreibersii*.

**ORDER: PHOLIDOTA**

FAMILY: MANIDAE

Subfamily: Smutsiinae

***Smutsia* Gray, 1865. *Proc. Zool. Soc. Lond.* 1865: 360.**

Synonyms: *Manis*.

Additional references: Gaudin *et al.* (2009).



***Smutsia temminckii* Smuts, 1832. *Dissertation Zoologica, Enumerationem Mammalium Capensium*: 54. Ground pangolin.**

Synonyms: *Manis*.

Type locality: Latakou = Litakun.

Additional references: Gaudin (2010); Gaudin *et al.* (2009); Gray (1865b); Smith (1849); Sundevall (1842).

**ORDER: CARNIVORA**

Suborder: Feliformia

FAMILY: FELIDAE

Subfamily: Felinae

***Acinonyx jubatus* Schreber, 1775. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 2(14): pl. 105 [1775], also see text 3 (22): 392 [1777]. Cheetah.**

Type locality: Cape of Good Hope.

Additional references: Krausman and Morales (2005).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/120/mode/1up) and *Felis jubata* is listed on p. 586. Plate 105 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/107/mode/1up).



***Caracal caracal* Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(16): pl. 110 [1776], see also text 3(24): 413, 587 [1777]. Caracal.**

Synonyms: *Felis*.

Type locality: Table Mountain, near Cape Town.

Additional references: Roberts (1926); Werdelin and Peigné (2010).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/141/mode/1up) and *Felis caracal* is listed on p. 587.

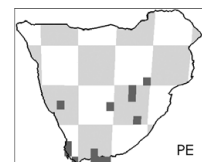


Plate 110 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/131/mode/1up).

†*Dinofelis aronoki* Werdelin and Lewis, 2001. *Zool. J. Linn. Soc.* 132: 239, 250.

Synonyms: *Therailurus*.

Additional references: Hemmer (1965); Lacruz *et al.* (2006); O'Regan and Menter (2009); O'Regan and Steininger (2017).

Comments: the material from Cooper's was originally assigned to *D. piveteaui* (Ewer 1955c) by O'Regan and Menter (2009).



Dinofelis barlowi Broom, 1937. *S. Afr. J. Sci.* 33: 757.

Synonyms: *Machaerodus*; *Megatereon*; *Therailurus*; *darti*; *transvaalensis*.

Type locality: Sterkfontein.

Additional references: Collings (1973); Collings *et al.* (1976); Cooke (1991); Ewer (1955c, 1957a); Hemmer (1965); Lacruz *et al.* (2006).



†*Dinofelis piveteaui* Ewer, 1955. *Proc. Zool. Soc. Lond.* 125: 588.

Synonyms: *Therailurus*.

Additional references: Piveteau (1948).



Felis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 41.

Comments: material identified as *Felis* sp. has not been mapped because, in many cases, this identification included what are currently ascribed to other genera such as *Leptailurus* and *Caracal*.

†*Felis crassidens* Broom, 1948. *Ann. Transvaal Mus.* 21: 14.

Type locality: Kromdraai.



Felis nigripes Burchell, 1824. *Travels in the Interior of Southern Africa* 2: 592. Black-footed cat.

Type locality: implied country of the 'Bachapins', presumably in the capital Litákun: Letárkoon.

Additional references: Renard *et al.* (2015); Roberts (1926).

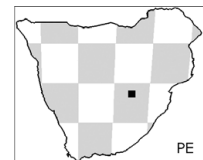


†*Felis shawi* Broom, 1948. *Ann. Transvaal Mus.* 21(1): 14.

Synonyms: *Panthera*.

Type locality: Sterkfontein.

Additional references: Ewer (1956a).

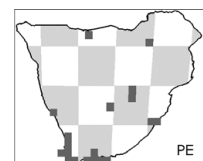


Felis silvestris Schreber, 1777. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(23): 397. Wild cat.

Synonyms: *libyca*.

Additional references: Grubb (2004).

Comments: volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/125/mode/1up)



and *Felis catus* is listed on p. 587. Plate 107 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/115/mode/1up).

†*Homotherium crenatidens* Weithofer, 1889. *Jahrbuch der Kaiserlich Königlich Geologischen Reichsanstalt* 39(1): 65.

Synonyms: *Machairodus*; *latidens*.

Comments: there appears to be disagreement as to which species of *Homotherium* is represented at Sterkfontein: Turner (1987a) considers the material to be *H. crenatidens*, whereas Reynolds (2010b) assigns it to *H. latidens*.



Leptailurus serval Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(16): pl. 108 [1776], see also text 3 (23): 407[1777]. Serval.

Synonyms: *Felis*; *spelaeus*.

Type locality: restricted to the 'Cape region of South Africa'.

Additional references: Werdelin and Peigné (2010).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/135/mode/1up) and *Felis serval* is listed on p. 587. Plate 107 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/125/mode/1up).



Subfamily: †Machairodontinae

†*Megantereon gracile* Broom, 1948. *Ann. Transvaal Mus.* 21: 11.

Type locality: Sterkfontein.



†*Megantereon whitei* Broom, 1937. *S. Afr. J. Sci.* 33: 756.

Synonyms: *Felis*; *cultridens*.

Type locality: Schurveberg.

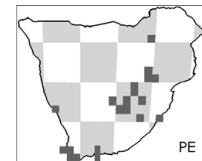
Additional references: Broom (1939c, 1946); Hartstone-Rose *et al.* (2007); Turner (1987b); Werdelin and Peigné (2010).



Subfamily: Pantherinae

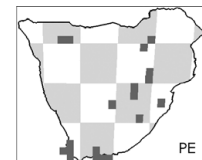
Panthera leo Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 41. Lion.

Additional references: Haas *et al.* (2005); Lacruz (2009).



Panthera pardus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 41. Leopard.

Additional references: Ewer (1956a).



FAMILY: HERPESTIDAE

†*Atilax mesotes* Ewer, 1956. *Proc. Zool. Soc. Lond.* 126: 259–274.
Synonyms: *Herpestes*.



Atilax paludinosus Cuvier, 1829. *Le Règne Animal distribué d'après son Organisation*, Nouvelle édition, 1: 158. Marsh mongoose.

Synonyms: *Herpestes*.

Type locality: Cape of Good Hope.

Additional references: Baker (1992); Cuvier (1824).



†*Crossarchus transvaalensis* Broom, 1937. *Ann. Mag. Nat. Hist.*, Series 10, 20: 512.

Type locality: Bolt's Farm.

Additional references: Broom (1939c); Werdelin and Peigné (2010).



Cynictis penicillata Cuvier, 1829. *Le Règne Animal distribué d'après son Organisation*, Nouvelle édition 1: 158. Yellow mongoose.

Synonyms: *lepturus*; *ogilbyii*.

Type locality: restricted to 'Uitenhage, CP'.

Additional references: Ewer (1956a, 1957a); Lundholm (1954); Roberts (1932); Smith (1849); Taylor and Meester (1993).



Galerella pulverulenta Wagner, 1839. *Gelehrte. Anz. I. K. Bayer. Akad. Wiss. München* 9: 426. Cape grey mongoose.

Type locality: Cape of Good Hope.

Additional references: Cavallini (1992); Lynch (1981).



Galerella sanguinea Rüppell, 1835. *Neue Wirbelthiere zu der Fauna von Abyssinien gehörig.* 1: 27. Slender mongoose.

Synonyms: *Herpestes sanguineus*; *punctulatus*.

Additional references: Gray (1849); Roberts (1932); Taylor (1975).



Herpestes Illiger, 1811. *Prodromus Systematis Mammalium et Avium*: 135.

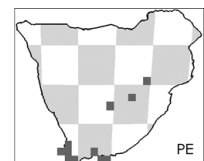
Additional references: Hendey (1973a); Werdelin and Peigné (2010).

Comments: this genus has not been mapped because material was identified at a time when *Galerella*, as currently understood, was not recognised as a separate genus.

Herpestes ichneumon Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 43. Egyptian mongoose.

Synonyms: *Ichneumon ratlamuchi*; *Herpestes badius*.

Additional references: Smith (1838, 1849).



Ichneumia albicauda Cuvier, 1829. *Le Règne Animal distribué d'après son Organisation*, Nouvelle édition, 1: 158. White-tailed mongoose.

Additional references: Geoffroy Saint-Hilaire (1837); Taylor (1972).



Mungos mungo Gmelin, 1788. In: Linnaeus, *Systema Naturae*, 13th edition, 1: 84. Banded mongoose.

Type locality: believed to be eastern part of South Africa, (former) Cape Province.



Rhynchogale Thomas, 1894. *Proc. Zool. Soc. Lond.* 1894: 139



†***Suricata major*** Hendeby, 1974. *Ann. S. Afr. Mus.* 63: 267.

Type locality: Elandsfontein.



Suricata suricatta Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen*: pl. 117 [1776]. Meerkat.

Type locality: restricted to 'Deelfontein'.

Additional references: Van Staaden (1994).

Comments: citation according to Wilson and Reeder (2005). Version of text volume 3 at (www.biodiversitylibrary.org/item/135003#page/5/mode/1up) is dated 1778, while the volume in which the plate appears is undated (www.biodiversitylibrary.org/item/97341#page/1/mode/1up).



FAMILY: HYAENIDAE

†***Lycyaenops silberbergi*** Broom and Schepers, 1946. *Transvaal Mem. Mus.* 2: 83.

Synonyms: *Chasmaporthetes*; *Lycyaena*.

Type locality: Sterkfontein.

Additional references: Broom (1948a); Werdelin and Peigné (2010).



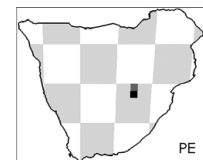
Subfamily: Hyaeninae

†***Chasmaporthetes nitidula*** Ewer, 1955. *Proc. Zool. Soc. Lond.* 124: 842.

Synonyms: *Euryboas*; *Lycyaeon*.

Type locality: Sterkfontein.

Additional references: Hendeby (1978a).



Crocota Kaup, 1828. *Oken's Isis. Encyclop. Zeit.* 21(11): col. 1145



Crocota crocuta Erxleben, 1777. *Systema Regni Animalia per Classes* 1: 578. Spotted hyaena.

Synonyms: *spelaea*; *venustula*.

Additional references: Broom (1939c); Ewer (1955a); Turner (1984); Werdelin and Solounias (1991).



†*Crocota ultra* Ewer, 1954. *Proc. Zool. Soc. Lond.* 124: 570.

Type locality: Kromdraai.



Hyaena hyaena Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 40. Striped hyaena.

Synonyms: *striata*.

Additional references: Turner (1988).



†*Pachycrocota brevirostris* Gervais, 1850. *Zool. Paléontol. Françaises* 1: 122.

Synonyms: *Hyaena bellax*.

Additional references: Alba *et al.* (2015); Ewer (1954, 1956b); Mutter *et al.* (2001); Turner and Antón (1996); Werdelin and Peigné (2010).

Comments: according to Alba *et al.* (2015), this taxon has long been incorrectly attributed to Aymard since his 1846 paper neither describes nor names the taxon.



Parahyaena brunnea Thunberg, 1820. *K. Svenska Vet.-Akad. Handl.*, Series 3, 8: 59. Brown hyaena.

Synonyms: *Hyaena*.

Type locality: Cape of Good Hope.

Additional references: Grubb (2004); Hendey (1973a); Mills (1982); Werdelin and Peigné (2010).



Subfamily: Protelinae

Proteles cristata Sparrman, 1783. *Resa Goda-Hopps-Udden, Soedra Polkretsen Och Omkring Jordklotet*: 581. Aardwolf.

Synonyms: *cristatus*; *lalandii*.

Type locality: listed as 'Near Little Fish River, Somerset East'.



†*Proteles transvaalensis* Hendey, 1974. *Ann. Transvaal Mus.* 29(3): 35.

Type locality: Swartkrans.

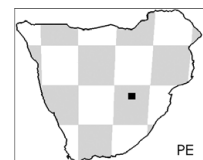


FAMILY: VIVERRIDAE

Subfamily: Viverrinae

†*Civettictis braini* Fourvel, 2018. *C. R. Palevol.* 17: 369.

Type locality: Kromdraai.



Genetta Cuvier, 1817. *Le Règne Animal distribué d'après son Organisation* 1: 156.

Additional references: De Meneses Cabral (1966); Gaubert *et al.* (2005).



Genetta genetta Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 45. Common genet.

Additional references: Gaubert *et al.* (2005); Larivière and Calzada (2001).



Genetta maculata Gray, 1830. *Spicil. Zool.* 2: 9. Rusty-spotted genet.

Additional references: Crawford-Cabral and Fernandes (2001); Gaubert *et al.* (2003a, 2003b, 2005); Grubb (2004).



Genetta tigrina Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* (3)17: pl. 114 [1776]; see also text, 3(25): 425 [1777]. Cape genet.

Type locality: Cape of Good Hope.

Additional references: Gaubert *et al.* (2005); Grubb (2004).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/153/mode/1up) and *Viverra tigrina* is listed on p. 587. Plate 114 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/147/mode/1up).



Suborder: Caniformia

FAMILY: CANIDAE

Subfamily: Caninae

Canis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 38.

Additional references: Werdelin and Peigné (2010).



Canis adustus Sundevall, 1846. *Ofv. K. Vet.-Akad. Forhandl.* 3: 121. Side-striped jackal.

Type locality: 'Magaliesberg'.



†***Canis antiquus*** Broom, 1937. *Ann. Mag. Nat. Hist.*, Series 10, 20: 511.

Synonyms: *Thos*.

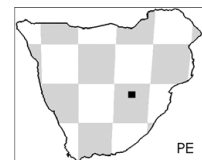
Type locality: Sterkfontein.

Additional references: Broom (1939c); Ewer (1956b).



†***Canis atrox*** Broom, 1948. *Ann. Transvaal Mus.* 21: 19.

Type locality: Kromdraai.



Canis mesomelas Schreber, 1775. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 2(14): pl. 95 [1775]; text 3(21): 370 [1776], 586 [1777]. Black-backed jackal.

Type locality: Cape of Good Hope.

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/98/mode/1up) and *Canis mesomelas* is listed on p. 586. Plate 95 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/57/mode/1up).



Lycaon Brookes, 1827. In Griffiths *et al.*, *The Animal Kingdom Arranged in Conformity with its Organization by the Baron Cuvier* 5: 151.

Additional references: Brookes (1828).

Comments: Griffiths *et al.* attribute this identification to Brookes, whose name they spell Brooks. There appears to be no formal description by Brookes himself.



Lycaon pictus Temminck, 1820. *Ann. Gen. Sci. Phys.* 3: p. 46, pl. 35. African wild dog.

Type locality: 'à la côte de Mosambique'.



†***Lycaon sekowei*** Hartstone-Rose, Werdelin, De Ruiter, Berger and Churchill, 2010. *J. Paleontol.* 84(2): 301.

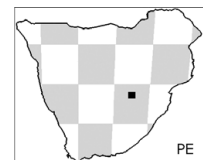
Type locality: Cooper's.



†***Nyctereutes terblanchei*** Broom, 1948. *Ann. Transvaal Mus.* 21(1): 21. Synonyms: *Canis*; *Thos*.

Type locality: Kromdraai.

Additional references: Ficcarelli *et al.* (1984); Reynolds (2012).



Otocyon megalotis Desmarest, 1822. *Mammalogie ou descriptions des espèces de mammifères*, Part 2 (suppl.): 538. Bat-eared fox.

Type locality: Cape of Good Hope.

Additional references: Clark (2005).



†***Otocyon recki*** Pohle, 1928. *Wiss. Ergebnisse Oldoway-Exped, 1913* (N.F.): 45–54



Vulpes chama Smith, 1833. *S. Afr. Quart. J.*, Series 2, 1: 89. Cape fox. Type locality: fixed as 'Port Nolloth'.



†*Vulpes pulcher* Broom, 1939. *Ann. Transvaal Mus.* 19: 336.

Type locality: Kromdraai.

Additional references: Ewer (1956b).



†*Vulpes skinneri* Hartstone-Rose, Kuhn, Nalla, Werdelin and Berger (2013). *Trans. R. Soc. S. Afr.* 68(1): 3.

Type locality: Malapa.



FAMILY: MUSTELIDAE

Subfamily: Lutrinae

Aonyx Lesson, 1827. *Manuel de Mammalogie ou l'Histoire Naturelle des Mammifères*: 147.

Additional references: Werdelin and Peigné (2010).



Aonyx capensis Schinz, 1821. In: Cuvier, *Das Thierreich eingetheilt nach dem Bau der Thiere* 1: 211. African clawless otter.

Synonyms: *robustus*.

Type locality: (former) Cape Province.

Additional references: Brink (1987); Dreyer and Lyle (1931); Ewer (1958c); Larivière (2001a).



Subfamily: Mellivorinae

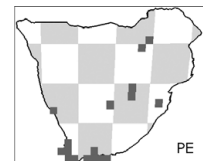
Mellivora capensis Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(18): pl. 125 [1776], see also text 3 (26): 450 [1777]. Honey badger.

Synonyms: *sivalensis*.

Type locality: Cape of Good Hope.

Additional references: O'Regan *et al.* (2013).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/178/mode/1up) and *Viverra capensis* is listed on p. 588. Plate 125 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/191/mode/1up).

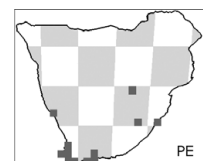


Subfamily: Mustelinae

Ictonyx striatus Perry, 1811. *Arcana, or, the Museum of Natural History: Containing the Most Recent Discovered Objects*, Signature Y: Fig. 41 [1810]. Striped polecat.

Type locality: fixed as 'Cape of Good Hope'.

Additional references: Larivière (2002); Roberts (1932).



Poecilogale albinucha Gray, 1864. *Proc. Zool. Soc. Lond.* 1864: 69, pl.

X. African striped weasel.

Synonyms: *Ictonyx*.

Type locality: fixed as 'Cape Colony'.

Additional references: Larivière (2001b); Roberts (1931); Thomas (1883).



†***Prepoecilogale bolti*** Cooke, 1985. *S. Afr. J. Sci.* 81: 618–619.

Synonyms: *Ictonyx*; *Propoecilogale*.

Type locality: Bolt's Farm.

Additional references: O'Regan *et al.* (2013); Petter (1987).



ORDER: PERISSODACTYLA

FAMILY: EQUIDAE

Equus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 73.

Additional references: Eisenmann and Baylac (2000); Thackeray (2010); Wells (1959a).

Comments: Brink (1994) assigned some equid material from Florisbad and Vlakkraal Thermal Springs to the subgenus *Equus* (*Asinus*).



Equus burchellii Gray, 1824. *Zool. J.* 1: 247. Burchell's zebra.

Synonyms: *lylei*; *platyconus*; *simplicissimus*.

Type locality: now identified as Little Klibbolikhonni Fontein.

Additional references: Churcher (1970); Churcher and Watson (1993); Grubb (1981); Mendrez (1966); Reynolds and Bishop (2006); Van Hoepen (1930a).

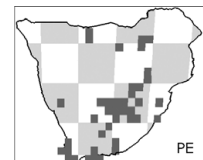


†***Equus capensis*** Broom, 1909. *Ann. S. Afr. Mus.* 7: 281.

Synonyms: *Kolpohippus*; *cawoodi*; *fowleri?*; *gigas?*; *harrisi*; *helmei*; *kuhni*; *plicatus*; *poweri*; *zietsmani*.

Type locality: Ysterplaat.

Additional references: Bernor *et al.* (2010); Broom (1913b); Churcher (1970, 2000, 2006); Churcher and Watson (1993); Eisenmann (2000); Haughton (1932a); Orlando *et al.* (2009); Van Hoepen (1930a); Wells (1940).

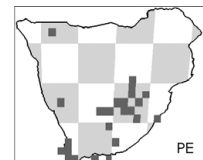


†***Equus quagga*** Boddaert, 1785. *Elenchus Animalium* 1: 160.

Quagga.

Type locality: locality of paralectotype now identified as Seekoei River.

Additional references: Bernor *et al.* (2010); Churcher (1970); Eisenmann and Brink (2000); Haughton (1932a); Klein and Cruz-Urbe (1999); Lundholm (1951).



†***Equus sandwichi*** Haughton, 1932. *Ann. S. Afr. Mus.* 28: 419.

Type locality: Usakos.



Equus zebra Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 74. Mountain zebra.

Synonyms: *Hippotigris*.

Type locality: since restricted to Perdekop.

Additional references: Bernor *et al.* (2010); Fraas (1907); Hooijer (1945); Lundholm (1952); Penzhorn (1988).



†***Eurygnathohippus*** Van Hoepen, 1930. *Paleontol. Nav. Nas. Mus. Bloemfontein* 2(2): 23.

Synonyms: *Hipparion*; *Stylohipparion*.

Additional references: Boné and Singer (1965); Hooijer (1975, 1976).



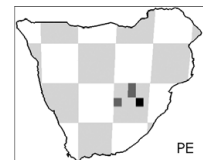
†***Eurygnathohippus cornelianus*** Van Hoepen, 1930. *Paleontol. Nav. Nas. Mus. Bloemfontein* 2(2): 23.

Synonyms: *Hipparion*; *Stylohipparion*; *hipkini*; *libycum*; *sitifense* in part?; *steyleri*.

Type locality: Cornelia.

Additional references: Bernor *et al.* (2010); Churcher (1970, 2000); Churcher and Watson (1993); Franz-Ondendaal *et al.* (2003); Pomel (1897); Van Hoepen (1932a).

Comments: the material from Hondeklip Bay was doubtfully ascribed by Pickford and Senut (1997) to *Hipparion sitifense*, which Bernor *et al.* (2010) consider a *nomen dubium*. See also the comment under *Hipparion* below.



†***Eurygnathohippus hooijeri*** Bernor and Kaiser, 2006. *Mitt. Hamb. Zool. Mus. Inst.* 103: 148.

Synonyms: *Hipparion baardi* cf.

Type locality: Langebaanweg.

Additional references: Bernor *et al.* (2010); Franz-Ondendaal *et al.* (2003); Hooijer (1976); Pickford and Senut (1997).



FAMILY: RHINOCEROTIDAE

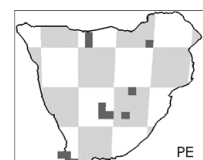
Subfamily: Rhinocerotinae

Ceratotherium simum Burchell, 1817. *Bull. Sci. Soc. Philom. Paris* 1817–1819: 97. White rhinoceros.

Synonyms: *Diceros*; *Rhinoceros*; *simus*.

Type locality: since identified as Chue Spring = Heuningvlei.

Additional references: Geraads (2010a); Gray (1867); Groves (1972); Hooijer (1959, 1973); Hooijer and Singer (1960); Smith (1849).



Diceros bicornis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 56. Black rhinoceros.

Synonyms: *Opsiceros simplicidens*.

Type locality: now identified as Cape of Good Hope.

Additional references: Gray (1867); Hillman-Smith and Groves (1994); Hooijer (1959, 1973); Hooijer and Singer (1960); Scott (1907).



ORDER: ARTIODACTYLA

FAMILY: SUIDAE

Subfamily: *Suinae*†*Kolpochoerus heseloni* Leakey, 1943. *J. E. Afr. Nat. Hist. Soc.* 17: 55.Synonyms: *Mesochoerus*.

Additional references: Bender (1992); Bishop (2010); Cooke (1997); Keen and Singer (1956); Pickford (2012).

†*Kolpochoerus paiceae* Broom, 1931. *Rec. Albany Mus.* 4: 168.Synonyms: *Notochoerus*.

Type locality: Windsorton.

Additional references: Hendey and Cooke (1985); Pickford (2012).

†*Mesochoerus lategani* Singer and Keen, 1955. *Ann. S. Afr. Mus.* 42: 170.

Type locality: Elandsfontein.

†*Metridiochoerus* Hopwood, 1926. *Ann. Mag. Nat. Hist., Series 9*, 18: 266–272.

Additional references: Cooke (2005).

†*Metridiochoerus andrewsi* Hopwood, 1926. *Ann. Mag. Nat. Hist., Series 9*, 18: 266–272.Synonyms: *Notochoerus*; *Tapinochoerus*; *capensis*; *meadowsi*.Additional references: Bender (1990); Bishop (2010); Broom (1948a); Cooke (1993a); Ewer (1956b); Harris and White (1979); Herries *et al.* (2006); Hopwood (1926); Keen and Singer (1956); Pickford (2012, 2013a, 2013b); Shaw (1938).†*Metridiochoerus compactus* Van Hoepen and Van Hoepen, 1932.*Paleontol. Nav. Nas. Mus. Bloemfontein* 2(4): 53.Synonyms: *Phacochoerus*; *Stylochoerus*.

Type locality: Cornelia.

Additional references: Bishop (2010); Harris and White (1979); Hopwood (1926).

†*Metridiochoerus modestus* Van Hoepen and Van Hoepen, 1932.*Paleontol. Nav. Nas. Mus. Bloemfontein* 2(4): 58.Synonyms: *Tapinochoerus*.

Type locality: Cornelia.

Additional references: Bishop (2010); Cooke (1993a, 1994); Harris and White (1979); Hopwood (1926).

*Phacochoerus* Cuvier, 1826. *Dict. Sci. Nat.* 39: 383.Comments: the Holocene material is likely to be *P. africanus* since this is the only species currently recognised in the sub-region.

Phacochoerus africanus Gmelin, 1788. In *Linnaeus, C. Systema Naturae*, 13th edition, 1: 220. Common warthog.

Synonyms: *aethiopicus*; *dreyeri*?; *helmei*; *laticolumnatus*; *venteri*.

Additional references: Cooke (1949b); Ewer (1956b, 1957b); Grubb and d'Huart (2010); Pia (1930).



†***Phacochoerus altidens*** Shaw and Cooke, 1940. *Trans. R. Soc. S. Afr.* 28(4): 296.

Type locality: Pneil.



†***Phacochoerus antiquus*** Broom, 1948. *Ann. Transvaal Mus.* 21: 31.

Type locality: Sterkfontein.

Additional references: Harris and White (1979).



†***Potamochoeroides hypsodon*** Dale, 1948. *S. Afr. Sci.* 2(5): 116.

Synonyms: *Metridiochoerus*; *Pronotochoerus*; *shawi*.

Additional references: Cooke (1993a, 2005); Ewer (1956b, 1958d); Pickford (2013a); Pickford and Gommery (2016).



Potamochoerus larvatus Cuvier, 1822. *Mem. Mus. Hist. Nat. Paris* 8: 447.

Bush-pig.

Synonyms: *Koiropotamus*; *porcus*.

Additional references: Grubb (2004); Hopwood (1934); Leakey (1942).



Subfamily: †Tetraconodontinae

†***Notochoerus capensis*** Broom, 1925. *Rec. Albany Mus.* 3(4): 308.

Synonyms: *scotti*.

Type locality: Longlands.

Additional references: Harris and White (1979); Shaw (1938).



FAMILY: HIPPOPOTAMIDAE

Hippopotamus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 74.

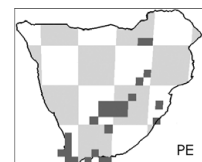
Additional references: Boisserie (2005).



Hippopotamus amphibius Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 74. Common hippopotamus.

Synonyms: *capensis*; *poderosus*.

Additional references: Fraas (1907); Hooijer and Singer (1961); Scott (1907); Smith (1849).



†*Hippopotamus gorgops* Dietrich, 1926. *Forsch. und Fortsch.* 2: 121.
Additional references: Dietrich (1928); Hooijer (1958); Weston and Boisserie (2010).



FAMILY: GIRAFFIDAE

Subfamily: Giraffinae

Giraffa Brisson, 1762. *Regnum animale in classes IX. Distributum, sive Synopsis Methodica*, 2nd edition: 12, 37



Giraffa camelopardalis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 66. Giraffe.

Additional references: Dagg (1971); Harris *et al.* (2010); Singer and Boné (1960).

Comments: Cooke (1955) lists this taxon from Bloembosch (3318), but R.G. Klein (personal communication, 2016) is of the opinion that the specimen is probably referable to *Giraffa stillei*, which occurs at Langebaanweg. Recently, Helm *et al.* (2018) have reported giraffe tracks from near Still Bay (3421), but this occurrence has not been plotted, pending the collection of physical remains of this taxon.



Subfamily: Sivatheriinae

†*Sivatherium maurisium* Pomel, 1892. *C.R. Hebd. Acad. Sci. Paris* 114: 100.
Synonyms: *Griquaetherium*, *Libytherium*; *cingulatum*.

Additional references: Churcher (1974); Haughton (1921); Harris *et al.* (2010); Singer and Boné (1960).



FAMILY: BOVIDAE

Subfamily: Aepycerotinae

†*Aepyceros helmoedi* Van Hoepen, 1932. *Palentol. Nav. Nas. Mus. Bloemfontein* 2(5): 65.

Synonyms: *Gazella*.

Type locality: Cornelia.



Aepyceros melampus Lichtenstein, 1812. *Reisen im südlichen Africa in en Jahren 1803, 1804, 1805 und 1806* 2: pl. 4 opp. p. 544. Impala.

Type locality: now identified as Khosis.

Additional references: Reynolds (2010a).



Subfamily: Alcelaphinae

Alcelaphus De Blainville, 1816. *Bull. Sci. Soc. Philom. Paris* 1816: 75.



Alcelaphus buselaphus Pallas, 1766. *P.S. Pallas Medicinae Doctoris Miscellanea Zoologica*: 7. Hartebeest.



Alcelaphus caama Geoffroy Saint-Hilaire, 1803. *Catalogue des Mammifères du Muséum National d'Histoire Naturelle*: 269. Red hartebeest.

Synonyms: *Antilope*; *Bubalus*; *bubalis*; *buselaphus caama*.

Type locality: since restricted to syntype locality Steynsburg.

Additional references: Gray (1850a, 1850b); Grubb (2004); Hoffman (1953); Smith (1849).



†*Alcelaphus robustus* Cooke, 1949. *Mem. Geol. Surv. S. Afr.* 35: 20.

Type locality: Larsen's Main Workings.

Comments: see *Parmularius braini* below.



Beatragus Heller, 1912. *Smithson. Misc. Coll.* 60(8): 8.

Additional references: Gentry (2010); Vrba (1974b, 1997).



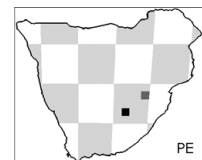
Connochaetes Lichtenstein, 1812. *Mag. Ges. Naturf. Fr. Berlin* 6: 152.

Synonyms: *Gorgon*.



†*Connochaetes antiquus* Broom, 1913. *Ann. S. Afr. Mus.* 12: 14.

Type locality: Florisbad (Hagenstad).



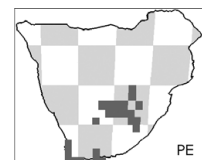
Connochaetes gnou Zimmermann, 1780. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 2: 102.

Black wildebeest.

Synonyms: *laticornutus*.

Type locality: since selected as Agterbruintjieshoogte.

Additional references: Brink (1993, 2005); Gentry (2010); Gray (1850a, 1850b); Von Richter (1974).



Comments: Gentry (2010) proposes that *Connochaetes laticornutus* should be retained as a distinct species.

Connochaetes taurinus Burchell, 1824. *Travels in the Interior of Southern Africa* 2: 278 (footnote). Blue wildebeest.

Synonyms: *Catoblepas*.

Type locality: Apparently 'Kosi Fountain', but lectotype came from 'Chue Spring, Maadji Mtn [Klein Heuningvlei]'.

Additional references: Smith (1849).



Damaliscus Sclater and Thomas, 1894. *The Book of Antelopes* 1: 51.

Additional references: Fraas (1907).



Damaliscus lunatus Burchell, 1824. *Travels in the Interior of Southern Africa* 2: 334. Common tsessebe.

Synonyms: *Acronotus*; *Bubalus*.

Type locality: 'Makkwarin' (Matlhwareng) River.

Additional references: Cotterill (2003); Gray (1850a, 1850b); Groves and Grubb (2011); Smith (1849).



†***Damaliscus niro*** Hopwood, 1936. *Ann. Mag. Nat. Hist.*, Series 10, 17: 640.

Synonyms: *Hippotragus*.

Additional references: Gentry (1965); Thackeray and Brink (2004).



Damaliscus pygargus Pallas, 1767. *Spicil. Zool.* 1: 10. Bontebok.

Synonyms: *albifrons*; *dorcas phillipsi*; *dorcas*; 'hipkini'.

Type locality: since restricted to Swart River.

Additional references: Faith *et al.* (2012); Gentry (2010); Gray (1850a, 1850b); Groves and Grubb (2011); Grubb (2004); Vrba (1997).

Comments: according to Vrba (1997), Wells intended to name *Damaliscus 'hipkini'*, but never did. Groves and Grubb (2011) propose that *Damaliscus phillipsi* (blesbok) be a full species separate from *D. pygargus* (bontebok).



†***Megalotragus*** Van Hoepen, 1932. *Paleontol. Nav. Nas. Mus. Bloemfontein* 2(5): 63.

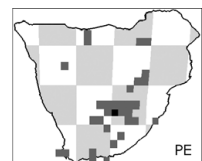


†***Megalotragus priscus*** Broom, 1909. *Ann. S. Afr. Mus.* 7: 279.

Synonyms: *Bubalis*; *Connochaetes*; *Lunatoceras*; *Peleoroceras*; *broomi*; *elegans*; *eucornutus*; *grandis*; *helmei*; *kattwinkeli*; *mirum*.

Type locality: Modder River.

Additional references: Brink *et al.* (2015a); Gentry *et al.* (1995); Hoffman (1953); Seeley (1891); Van Hoepen (1932b, 1947); Wells (1959b, 1964).



†*Parmularius* Hopwood, 1934. *Ann. Mag. Nat. Hist.*, Series 10, 14: 550.



†*Parmularius parvus* Vrba, 1978. *Ann. Transvaal Mus.* 31(3): 23.
Type locality: Kromdraai.



Subfamily: Antilopinae

Antidorcas Sundevall, 1845. *K. Svenska Vet.-Akad. Handl.* 1845: 271.



†*Antidorcas australis* Hendeby and Hendeby, 1968. *Ann. S. Afr. Mus.* 52(2): 56.

Synonyms: *marsupialis australis*.

Type locality: Swartklip.

Additional references: Gentry (2010); Peters and Brink (1992); Vrba (1973).

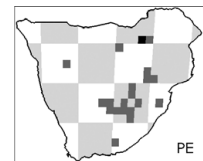


†*Antidorcas bondi* Cooke and Wells, 1951. *S. Afr. J. Sci.* 47: 207.

Synonyms: *Gazella*.

Type locality: Chelmer.

Additional references: Gentry (2010); Plug and Peters (1991); Vrba (1973).



Antidorcas marsupialis Zimmermann, 1780. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 2: 427. Springbok

Type locality: since restricted to 'Cape Colony [Cape Province]'.

Additional references: Cain *et al.* (2004); Gentry (2010); Gray (1850a, 1850b); Plug and Peters (1991); Vrba, (1970).



†*Antidorcas recki* Schwarz, 1932. *Zentr. Mineral., Geol. Paläontol. B* 1932: 1.

Synonyms: *Gazella*; *wellsi*.

Additional references: Gentry (2010).



Gazella De Blainville, 1816. *Bull. Sci. Soc. Philom. Paris* 1816: 75.

Additional references: Gentry (2010).



†*Gazella praethomsoni* Arambourg, 1947. *Mission Scient. Omo* 1. Géol. Anthropol. 3: 237.



†*Gazella vanhoepeni* Wells and Cooke, 1957. *Palaeontol. Afr.* 4: 43.
Synonyms: *gracilior?*.
Type locality: Limeworks Makapansgat.



Oreotragus oreotragus Zimmermann, 1783. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 3: 269. Klipspringer.

Synonyms: *Palaeotragiscus longiceps*; *major*.

Type locality: now known to be False Bay.

Additional references: Broom (1934); Gentry (2010); Gray (1850a, 1850b); Watson and Plug (1995); Wells (1951).



Ourebia Laurillard, 1842. In: d'Orbigny, *Dictionnaire Universel d'Histoire Naturelle* 1: 622.

Type locality: none given.



Ourebia ourebi Zimmermann, 1783. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 3: 268. Oripi.

Type locality: since restricted to Brintjeshoogte.

Additional references: Gray (1850a 1850b).



Raphicerus Smith, 1827. In: Griffith *et al.*, *The Animal Kingdom Arranged in Conformity with its Organization by the Baron Cuvier* 5: 342.

Additional references: Klein (1976c).



Raphicerus campestris Thunberg, 1811. *Mem. Acad. Imp. Sci. St. Petersbourg* 3: 313. Steenbok.

Type locality: since selected as Malmesbury District.

Additional references: Gray (1850a 1850b).



Raphicerus melanotis Thunberg, 1811. *Mem. Acad. Imp. Sci. St. Petersbourg* 3: 312. Cape grysbok.

Type locality: since selected as Cape Peninsula.

Additional references: Gray (1850a, 1850b).



Raphicerus sharpei Thomas, 1896. *Proc. Zool. Soc. Lond.* 1896: 795, pl. 34. Sharpe's grysbok.
Synonyms: *melanotis sharpei*



Subfamily: Bovinae

†***Bos' makapani*** Broom, 1937. *S. Afr. J. Sci.* 33: 510.

Type locality: Buffalo Cave.

Additional references: Gentry (2010).



†***Miotragoceros acrae*** Gentry, 1974. *Ann. S. Afr. Mus.* 65(5): 146.

Synonyms: *Mesembriportax*; *Tragoportax*.

Type locality: Langebaanweg.

Additional references: Gentry (1980, 2010).



†***Simatherium kohllarseni*** Dietrich, 1942. *Palaeontographica A* 94: 43–133.

Additional references: Gentry (2010).



Syncerus Hodgson, 1847. *J. Asiatic Soc. Bengal, Series 2*, 16: 709.

Synonyms: *Bos*; *Bubalis*; *Pelorovis*.

Additional references: Martínez-Navarro *et al.* (2007).



†***Syncerus antiquus*** Duvernoy, 1851. *C. R. Hebdom. Scé. Acad. Sci. Paris* 33: 597.

Synonyms: *Bubalis*; *Homoioceras*; *Pelorovis*; *Syncerus*; *baini*.

Additional references: Bate (1949); Gentry (2010); Geraads (1992); Klein (1994a); Martínez-Navarro *et al.* (2007); Pomel (1893); Reck (1928).



Syncerus caffer Sparrman, 1779. *K. Svenska Vet.-Akad. Handl.* 40: 79.
African buffalo.

Synonyms: *Bubalis*; *andersoni*.

Type locality: now restricted to Sundays River.

Additional references: Geraads (1992); Scott (1907).

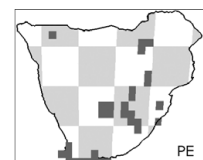


Taurotragus oryx Pallas, 1766. *P.S. Pallas Medicinae Doctoris Miscellanea Zoologica*: 9. Common eland.

Synonyms: *Antilope*; *Boselaphus*; *Tragelaphus*; *oreas*.

Type locality: restricted to near Cape Town.

Additional references: Gray (1850a, 1850b); Pappas (2002); Smith (1849); Willows-Munro *et al.* (2005).



Tragelaphus De Blainville, 1816. *Bull. Sci. Soc. Philom. Paris* 1816: 75.



Tragelaphus angasii Angas, 1848. *Proc. Zool. Soc. Lond.* 1848: 89.
Nyala.

Type locality: 'Hills that border: upon the northern shores of St Lucia Bay'.

Additional references: Gray (1850a, 1850b); Grubb (2004); Willows-Munro *et al.* (2005).



Tragelaphus scriptus Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 8. Bushbuck.

Additional references: Gray (1850a, 1850b); Willows-Munro *et al.* (2005).



Tragelaphus spekeii Speke, 1863. *Journal of the Discovery of the Source of the Nile*: 223 (footnote). Sitatunga.

Additional references: Grubb (2004); Willows-Munro *et al.* (2005).



Tragelaphus strepsiceros Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 9. Greater kudu.

Synonyms: *Damalis*; *Strepsiceros*; *capensis*.

Type locality: restricted to eastern part of western Cape Province.

Additional references: Smith (1849); Willows-Munro *et al.* (2005).



Subfamily: Caprinae

†'*Makapania*' Wells and Cooke, 1957. *Palaeontol. Afr.* 4: 26.

Type locality: Limeworks Makapansgat.

Additional references: Gentry (1970).



†'*Makapania broomi*' Wells and Cooke, 1957. *Palaeontol. Afr.* 4: 26.

Synonyms: *Bos*; *Hippotragus*; *Hippotragoides*; *makapaani*.

Type locality: Limeworks Makapansgat.

Additional references: Gentry (1970, 2010).



†*Numidocapra arambourgi* Ennouchi, 1953. *C.R. Somm. Séanc. Soc. Geol. Fr., Paris*, 8: 126.

Synonyms: *Rabaticeras*.

Additional references: Arambourg (1949).

Comments: Ennouchi (1953) not seen.



†*Numidocapra porrocornutus* Vrba, 1971. *Ann. Transvaal Mus.* 27(5): 59.

Synonyms: *Damaliscus*; *Rabaticeras*.

Type locality: Swartkrans.

Additional references: Laubscher *et al.* (1972); Vrba (1974b).



Subfamily: Cephalophinae

Cephalophus Smith, 1827. In: Griffith *et al.*, *The Animal Kingdom*

Arranged in Conformity with its Organization by the Baron Cuvier 5: 344.

Comments: material only identified to genus level has not been mapped because this could include specimens assignable to *Philantomba* as currently understood.

Cephalophus natalensis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 217.

Red duiker.

Type locality: 'Port Natal' = Durban.

Additional references: Gray (1850a, 1850b); Smith (1849).



Philantomba monticola Thunberg, 1789. *Resa uti Europa Africa, Asia, forrattad aren 1770–1779* 2: 66. Blue duiker.

Synonyms: *Cephalophus*; *bicolor*; *caeruleus*.

Type locality: since identified as Langkloof.

Additional references: Gray (1850a, 1850b, 1862a, 1862b); Jansen van Vuuren (1999).



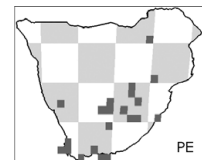
Sylvicapra Ogilby, 1836. *Proc. Zool. Soc. Lond.* 1836: 138.



Sylvicapra grimmia Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 70. Bush duiker.

Type locality: now known to be Cape Town.

Additional references: Gentry (2010); Gray (1850a, 1850b).



Subfamily: Hippotraginae

Hippotragus Sundevall, 1845. *Ofv. K. Svenska Vet.-Akad. Förhand.*

1845: 31.

Additional references: Commission on Zoological Nomenclature (2003); Grubb (2004).



†*Hippotragus cookei* Vrba, 1987. *Palaeontol. Afr.* 26(5): 49.

Type locality: Limeworks Makapansgat.



Hippotragus equinus Geoffroy Saint-Hilaire, 1803. *Catalogue des Mammifères du Muséum National d'Histoire Naturelle*: 259. Roan antelope.

Synonyms: *Aigoceros*; *Antilope*; *osanne*.

Type locality: now thought to be Plettenberg Bay.

Additional references: Gray (1850a, 1850b); Grubb (2004); Smith (1849).



†***Hippotragus gigas*** Leakey, 1965. *Olduvai Gorge* 1: 49.

Additional references: Gentry (2010).



†***Hippotragus leucophaeus*** Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 4. Blaaubok, blue antelope.

Synonyms: *problematicus*.

Type locality: since restricted to Swellendam Dist.

Additional references: Broom (1949b); Cooke (1947); Gentry (2010); Klein (1974a).



Hippotragus niger Harris, 1838. *Proc. Zool. Soc. Lond.* 1838: 2. Sable antelope.

Synonyms: *harrisi*.

Type locality: since specified as Magaliesberg near Krugersdorp and Rustenburg.

Additional references: Gray (1850a 1850b); Harris (1838a).



Oryx De Blainville, 1816. *Bull. Sci. Soc. Philom. Paris* 1816: 75.

Type locality: understood to be South Africa.

Comments: this material is likely to be *O. gazella* since only one species has so far been recognised in the sub-region.



Oryx gazella Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 69. Gemsbok.

Type locality: understood to be South Africa.

Additional references: Gray (1850a, 1850b).



Subfamily: Reduncinae

Kobus Smith, 1840. *Illustrations of the Zoology of South Africa*, Part 12: pl. 28 plus text.

Synonyms: *Aigoceros*; *Onotragus*.

Additional references: Birungi and Arctander (2001).



†***Kobus' altidens*** Cooke, 1949. *Mem. Geol. Surv.* 35(3): 29.

Type locality: Keeble's Paddock.

Comments: according to Wells (1965), this taxon is a 'myth', being a bovine not a reduncine, although he did not reassign the specimen.



Kobus ellipsiprymnus Ogilby, 1833. *Proc. Zool. Soc. Lond.* 1833: 47.
Waterbuck.

Synonyms: *Aigoceros*.

Type locality: since restricted to Gaborone.

Additional references: Birungi and Arctander (2001); Gray (1850a, 1850b); Smith (1849).



Kobus leche Gray, 1850. *Gleanings from the Menagerie and Aviary at Knowsley Hall* 2: 23. Lechwe.

Synonyms: *Onotragus*; *venterae*.

Type locality: since identified as Botletle River, near Lake Ngami.

Additional references: Birungi and Arctander (2001).



Pelea capreolus Forster, 1790. *Le Vaillant's Reise in das Innere von Afrika* 1: 71. Vaal rhebok.

Type locality: now specified as Houhoek Pass.

Additional references: Birungi and Arctander (2001); Gray (1850a, 1850b).



Redunca Smith, 1827. In: Griffith *et al.*, *The Animal Kingdom Arranged in Conformity with its Organization by the Baron Cuvier* 5: 337.



Redunca arundinum Boddaert, 1785. *Elenchus Animalium* 1: 141.
Southern reedbuck.

Type locality: since selected as Bethulie.

Additional references: Gentry (2010); Gray (1850a, 1850b).



†***Redunca darti*** Wells and Cooke, 1957. *Palaeontol. Afr.* 4: 17.

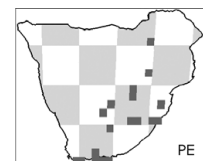
Type locality: Limeworks Makapansgat.



Redunca fulvorufula Afzelius, 1815. *Nova Acta Reg. Soc. Sci. Upsala* 7: 250. Mountain reedbuck.

Synonyms: *Cervicapra*.

Type locality: restricted to eastern North Cape Province.



5.2 PLEISTOCENE SITES

So far, 201 sites have yielded Pleistocene material, ranging from individual specimens to the major collections. The latter include the Early Pleistocene sites in the Cradle of Humankind and Later Pleistocene ones such as Border Cave, Elandsfontein, Florisbad, Klasies River and Wonderwerk. During this epoch, sites, especially the later ones, increasingly constitute former human habitations. Although the distribution of sites is much broader than it was previously, there remains a large area from which evidence is not yet forthcoming (Figure 5.1). The gap may be real, arising, for instance, from a lack of suitable sites for bone preservation and/or human habitation, or may simply result from a lack of attention to the region by workers.

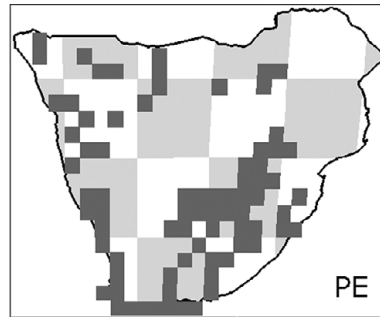


Figure 5.1 Location of Pleistocene sites.

- !Ncumtsa Hills** (2021). Other names: Koanaka. Taxa: *Papio ursinus*; *Parapapio jonesi* cf.; *Pedetes capensis*. References: Pickford (1990); Pickford and Mein (2011); Pickford *et al.* (1994); Senut (1996); Williams *et al.* (2012).
- ≠Gi** (1938:2100). Taxa: *Alcelaphus caama* cf.; *Ceratotherium simum*; *Connochaetes taurinus*; *Equus capensis*; *Giraffa camelopardalis?*; *Megalotragus priscus*; *Phacochoerus africanus*; *Raphicerus*; *Syncerus antiquus*. References: Brooks *et al.* (1980); Brooks and Yellen (1977); Wadley (2015).
- Abenab** (1917:1838). Taxa: *Phacochoerus*. References: Pia (1930); Pickford and Senut (2010).
- Abrahamskraal** (2826). Taxa: *Megalotragus priscus*. References: Hoffman (1953).
- Aigamas I and II** (1929:1713; 1927:1717). Taxa: *Acomys*; *Crocidura*; *Desmodillus*; *Gerbilliscus*; *Gerbillurus*; *Graphiurus*; *Malacothrix*; *Miniopterus*; *Mus*; *Rhabdomys*; *Saccostomus*; *Steatomys*; *Stenodontomys*; *Thallomys*; *Zelotomys*. References: Pickford and Senut (2010).
- Aloes Bone Deposit** (3349:2538). Taxa: *Antidorcas marsupialis*; *Connochaetes*; *Crocota crocuta*; *Equus capensis* cf.; *Phacochoerus africanus*; *Potamochoerus larvatus*. References: Wells (1970a).
- Amis** (2110:1430). Taxa: *Pronolagus randensis*; *Suricata suricatta*. References: Van Neer and Breunig (1999).
- Andriesgrond** (3218BB). Taxa: *Crocidura flavescens*; *Cryptomys hottentotus*; *Elephantulus edwardii*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Micaelamys namaquensis*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Otomys saundersiae*; *Rhabdomys pumilio*; *Steatomys krebsii*. References: Avery (unpublished); Pfeiffer (2013).
- Anyskop Blowout** (3358:1809). Taxa: *Bathyergerus suillus*; *Equus capensis*; *Diceros bicornis*; *Taurotragus oryx*. References: Kandel and Conard (2012).
- Apollo 11** (2745:1706). Taxa: *Aethomys chrysophilus*; *Antidorcas marsupialis*; *Canis*; *Caracal caracal* cf.; *Crocota*; *Equus capensis*; *Equus quagga* cf.; *Equus zebra*; *Hystrix africae australis*; *Lepus*; *Macroscolides*; *Oreotragus oreotragus*; *Oryx gazella*; *Petromomys typicus* cf.; *Phacochoerus africanus*; *Procapra capensis*; *Pronolagus*; *Raphicerus*; *Saccostomus campestris*. References: Cruz-Urbe and Klein (1981–1983); Dewar and Stewart (2016); Thackeray (1979); Vogelsang *et al.* (2010); Wadley (2015).
- Asis Ost** (1942:1743). Taxa: *Antidorcas*; *Procapra capensis*. References: Pickford and Senut (2002).
- Austin's Rush** (2824). Taxa: *Equus capensis*; *Equus sandwithi*; *Hippopotamus amphibius*; *Loxodonta africana*. References: Cooke (1949a).

- Baard's Quarry** (3318). Taxa: *Antidorcas*; *Canis?*; *Ceratotherium*; *Diceros bicornis*; *Equus capensis* cf.; *Eurygnathohippus hooijeri*; *Gazella praethomsoni* cf.; *Hippopotamus*; *Hippotragus leucophaeus*; *Mammuthus subplanifrons*; *Mellivora capensis*; *Miotragoceros acrae*; *Orycteropus*; *Pachycrocuta brevirostris* cf.; *Panthera*; *Parahyaena brunnea* aff.; *Raphicerus*; *Sivatherium maurisium?*. References: Hendey (1969, 1978d); Klein (1974b).
- Barkly West** (2824DA). Taxa: *Damaliscus pygargus*; *Equus capensis*; *Equus quagga*; *Hippopotamus amphibius* cf. References: Fraas (1907); Wells (1959c).
- Berg Aukas** (1931:1815). Taxa: *Crociodura*; *Cryptomys*; *Dendromus*; *Elephantulus*; *Gerbilliscus*; *Grammomys*; *Graphiurus*; *Hipposideros*; *Homo sapiens*; *Malacothrix*; *Mastomys*; *Mus*; *Myocricetodon*; *Mystromys*; *Rhinolophus*; *Saccostomus*; *Steatomys*; *Stenodontomys*; *Zelotomys*. References: Conroy et al. (1996); Grine et al. (1995); Mein et al. (2000b); Pickford and Senut (2010); Senut et al. (1992).
- Bestpan** (2824). Taxa: *Connochaetes*; *Megalotragus priscus*. References: Cooke (1949a).
- Black Earth Cave** (2737:2437). Taxa: *Aepyceros melampus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Canis adustus*; *Canis mesomelas*; *Connochaetes gnou*; *Crociodura*; *Cryptomys*; *Damaliscus pygargus*; *Equus burchellii*; *Equus capensis*; *Homo sapiens*; *Hystrix*; *Kobus leche*; *Lycaon*; *Panthera leo* cf.; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus*; *Redunca arundinum*; *Redunca fulvorufula*; *Syncerus caffer*; *Vulpes*. References: Kuhn et al. (2016); McKee (1994).
- Bloembos[ch]** (3317:1811). Taxa: *Connochaetes*; *Crociodura*; *Diceros bicornis*; *Equus capensis*; *Giraffa camelopardalis*; *Hippopotamus amphibius* cf.; *Hippotragus leucophaeus*; *Hippotragus niger* cf.; *Syncerus antiquus*; *Syncerus caffer*. References: Cooke (1947, 1955); Broom (1913c).
- Bloemhof** (2725DA). Taxa: *Connochaetes gnou*; *Elephas iolensis*; *Equus capensis*; *Hippopotamus amphibius*; *Syncerus antiquus*. References: Cooke (1949a); Osborn (1942).
- Bloemhof Site**. See Sheppard Island.
- Blombos Cave** (3425:2113). Taxa: *Acomys subspinosus*; *Alcelaphus buselaphus*; *Antidorcas*; *Aonyx capensis*; *Atelerix frontalis*; *Bathyergus suillus*; *Canis mesomelas*; *Chlorotalpa duthiae*; *Connochaetes*; *Crociodura cyanea*; *Crociodura flavescens*; *Damaliscus pygargus*; *Dasymys incomtus*; *Dendromus melanotis*; *Dendromus mesomelas*; *Diceros bicornis*; *Equus capensis*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Georychus capensis*; *Gerbilliscus afra*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Homo sapiens*; *Hystrix africae australis*; *Ictonyx striatus*; *Lepus capensis*; *Lepus saxatilis*; *Mellivora capensis*; *Miniopterus natalensis*; *Mus minutoides*; *Myomyscus verreauxii*; *Myosorex varius*; *Oreotragus oreotragus*; *Otomys irroratus*; *Otomys saundersiae*; *Papio ursinus*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Redunca arundinum*; *Rhabdomys pumilio*; *Rhinolophus capensis*; *Rhinolophus clivosus*; *Steatomys krebsii*; *Suncus varilla*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*. References: Badenhorst et al. (2016); Discamps and Henshilwood (2015); Henshilwood (1995, 1996); Henshilwood et al. (2001); Hillestad Nel and Henshilwood (2016); Wadley (2015).
- Boegoeberg 1** (2846:1634). Taxa: *Antidorcas marsupialis*; *Bathyergus janetta*; *Canis mesomelas*; *Connochaetes taurinus*; *Diceros bicornis*; *Felis silvestris*; *Galerella pulverulenta*; *Ictonyx striatus*; *Mellivora capensis*; *Oryx gazella*; *Otocyon megalotis*; *Panthera leo?*; *Parahyaena brunnea*; *Raphicerus campestris*; *Redunca arundinum*; *Suricata suricatta*; *Vulpes chama*. References: Klein et al. (1999b).
- Bolt's Farm** (2602:2753). Taxa: *Acomys spinosissimus*; *Caracal caracal*; *Cercopithecoides williamsi*; *Crociodura fuscomurina*; *Crossarchus transvaalensis*; *Cryptomys robertsi*; *Dasymys*

'bolti'; *Dasymys 'lavocati'*; *Dendromus melanotis*; *Desmodillus auricularis*; *Dinofelis barlowi*; *Elephantulus antiquus*; *Elephantulus brachyrhynchus* cf.; *Elephantulus broomi*; *Elephas recki* cf.; *Equus burchellii?*; *Equus capensis*; *Erinaceus broomi*; *Eurygnathohippus cornelianus*; *Felis shawi*; *Gerbilliscus*; *Lemniscomys rosalia* cf.; *Leptailurus serval*; *Malacothrix typica* cf.; *Metridiochoerus andrewsi*; *Metridiochoerus modestus*; *Mus major*; *Mus minutoides*; *Myosorex robinsoni*; *Myotis* cf.; *Mystromys hausleitneri*; *Otomys gracilis*; *Otomys irroratus* aff.; *Papio izodi*; *Parapapio broomi*; *Parapapio whitei*; *Potamochoeroides hypsodon*; *Proamblysomus antiquus*; *Proodontomys cookei*; *Proteles cristata*; *Rhodomys pumilio* cf.; *Rhinolophus capensis* cf.; *Steatomys pratensis*; *Thallomys debruyni*; *Theropithecus oswaldi*. References: Broom (1937b, 1939c, 1948a); Churcher (1970); Cooke (1985, 1991, 1993a, 1993b); Davis (1961); Freedman (1965, 1970); Gilbert (2007b); Gingerich (1974); Gommery et al. (2012a); Lacruz et al. (2006); Meester (1961a); Reynolds (2010b); Thackeray et al. (2008).

Boomplaas Cave (3323:2211). Taxa: *Acomys subspinosus*; *Alcelaphus buselaphus*; *Antidorcas marsupialis* cf.; *Bunolagus monticularis*; *Canis mesomelas*; *Caracal caracal* cf.; *Chlorotalpa sclateri*; *Connochaetes gnou* cf.; *Connochaetes taurinus* cf.; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Dasymys incomtus*; *Dendromus melanotis*; *Dendromus mesomelas*; *Elephantulus*; *Equus capensis*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Graphiurus ocellatus*; *Herpestes ichneumon*; *Hippotragus equinus*; *Hippotragus leucophaeus*; *Hystrix africae australis*; *Lepus capensis*; *Lycaon pictus*; *Megalotragus priscus*; *Mellivora capensis*; *Micaelamys namaquensis*; *Mus minutoides*; *Myomyscus verreauxii*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Otomys irroratus*; *Otomys laminatus*; *Otomys saundersiae*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea* cf.; *Pelea capreolus*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhodomys pumilio*; *Suncus varilla*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Avery (1977, 1982b); Brophy et al. (2014); Faith (2013); Klein (1978a, 1994b); Von den Driesch and Deacon (1985); Wadley (2015).

Border Cave (2701:3159). Taxa: *Acomys*; *Aepyceros melampus*; *Aethomys chrysophilus*; *Alcelaphus*; *Amblysomus hottentotus*; *Antidorcas bondi*; *Chlorocebus aethiops*; *Connochaetes taurinus*; *Crocidura cyanea*; *Crocidura flavescens*; *Crocidura fuscomurina*; *Crocidura hirta*; *Crocidura mariquensis*; *Cryptomys hottentotus*; *Damaliscus pygargus* cf.; *Dasymys incomtus*; *Dendromus melanotis*; *Dendromus mystacalis*; *Elephantulus myurus*; *Eptesicus hottentotus*; *Equus burchellii*; *Equus capensis*; *Gerbilliscus*; *Gerbilliscus leucogaster* cf.; *Glauconycteris variegata*; *Grammomys dolichurus*; *Graphiurus murinus*; *Hippopotamus amphibius*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Kobus ellipsiprymnus*; *Lemniscomys rosalia*; *Lepus*; *Loxodonta africana?*; *Lycaon pictus*; *Malacothrix typica*; *Mastomys natalensis*; *Mellivora capensis*; *Micaelamys namaquensis*; *Miniopterus natalensis*; *Mus minutoides*; *Mus triton*; *Myosorex cafer*; *Myosorex varius*; *Mystromys albicaudatus*; *Neoromicia capensis*; *Nycteris thebaica*; *Oreotragus oreotragus*; *Otomys angoniensis*; *Otomys irroratus*; *Otomys laminatus*; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Paraxerus palliatus*; *Pelomys fallax*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris* cf.; *Redunca fulvorufula*; *Rhodomys pumilio*; *Rhinolophus clivosus* cf.; *Rhinolophus darlingi?*; *Rhinolophus hildebrandtii* cf.; *Saccostomus campestris*; *Scotophilus nigrita*; *Steatomys pratensis*; *Suncus infinitesimus*; *Suncus varilla*; *Syncerus caffer*; *Tadarida*; *Taurotragus oryx*; *Thallomys paedulus*; *Tragelaphus angasii*; *Tragelaphus*

- scriptus*; *Tragelaphus strepsiceros*. References: Avery (1982a, 1991b, 1992a); Cooke *et al.* (1945); De Villiers (1974, 1976a); Klein (1977); Rightmire (1979b); Wadley (2015).
- Boskop** (2634:2707). Taxa: *Homo sapiens*. References: Broom (1918); Dusseldorp *et al.* (2013).
- Brakfontein** (3149:2301). Taxa: *Diceros bicornis*. References: Cooke (1955).
- Buffalo Cave** (2408:2911). Taxa: '*Bos*' *makapani*; *Connochaetes*; *Damaliscus*; *Equus*; *Eurygnathohippus*; *Hippotragus*; *Panthera leo* cf.; *Parmularius* cf.; *Phacochoerus*; *Redunca*; *Syncerus*; *Tragelaphus* cf. References: Kuykendall *et al.* (1995).
- Bulawayo** (2010:2840). Taxa: *Pedetes capensis*. References: Pickford and Mein (2011).
- Bundu Farm** (2945:2212). Taxa: *Antidorcas*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus capensis*; *Hippopotamus amphibius*; *Megalotragus priscus*; *Papio*; *Phacochoerus*. References: Hutson (2016); Kiberd (2006).
- Bushman Rockshelter** (3038:2435). Taxa: *Aepyceros melampus*; *Alcelaphus*; *Connochaetes taurinus*; *Damaliscus lunatus*; *Equus burchellii*; *Equus capensis*; *Equus quagga*; *Hippotragus equinus*; *Hippotragus niger*; *Hippopotamus amphibius*; *Lepus*; *Megalotragus priscus* cf.; *Oreotragus oreotragus*; *Orycteropus afer*; *Papio ursinus*; *Pelea capreolus* cf.; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus caffer* cf.; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Badenhorst and Plug (2012); Brain (1969, 1981); Dusseldorp *et al.* (2013); Plug (1981); Wadley (2015).
- Calabria 630** (2808:2656). Taxa: *Antidorcas bondi*; *Connochaetes gnou*; *Equus burchellii*; *Hippopotamus amphibius*; *Phacochoerus africanus*. References: De Ruiter *et al.* (2011).
- Cango Caves** (3324:2212). Taxa: *Connochaetes*; *Procavia capensis*; *Tragelaphus scriptus* cf. References: Cooke (1955).
- Canteen Koppie** (2824DA). Taxa: *Homo sapiens*. References: Smith *et al.* (2012).
- Cave of Hearths** (2409:2904). Taxa: *Acomys*; *Aepyceros melampus*; *Aethomys chrysophilus* cf.; *Alcelaphus buselaphus*; *Alcelaphus caama*; *Alcelaphus robustus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes taurinus*; *Crociodura taungensis*; *Crocota crocuta*; *Cryptomys robertsi*; *Damaliscus lunatus*; *Dendromus mesomelas*; *Elephantulus broomi*; *Equus burchellii*; *Equus capensis*; *Gerbilliscus brantsii* cf.; *Herpestes ichneumon*; *Homo sapiens*; *Hystrix africaeaustralis*; *Kobus leche*; *Lepus saxatilis*; *Megalotragus priscus*; *Miniopterus natalensis* cf.; *Mus minutoides* cf.; *Mystromys hausleitneri*; *Oreotragus oreotragus*; *Otomys gracilis*; *Ourebia* cf.; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Pronolagus randensis*; *Raphicerus campestris*; *Redunca arundinum*; *Rhinolophus capensis* cf.; *Rhinolophus clivus* cf.; *Saccostomus campestris*; *Steatomys pratensis*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*; *Thallomys paedulus* cf.; *Tragelaphus strepsiceros*. References: Brophy *et al.* (2014); Cooke (1962, 1988); De Graaff (1961c, 1988); McKee *et al.* (1995); Tobias (1971); Wadley (2015); Wells (1988).
- Chelmer** (1959:2830). Taxa: *Alcelaphus caama*; *Antidorcas bondi*; *Connochaetes*; *Damaliscus*; *Equus capensis*; *Hippopotamus amphibius*; *Megalotragus priscus*; *Phacochoerus africanus* cf.; *Syncerus antiquus*; *Taurotragus oryx* cf. References: Cooke (1962); Cooke and Wells (1951); Wadley (2015); Wells and Cooke (1955).
- Christiana** (2725CC). Taxa: *Connochaetes gnou*; *Elephas iolensis*; *Equus quagga* cf.; *Eurygnathohippus cornelianus*; *Hippopotamus amphibius*; *Loxodonta africana*. References: Cooke (1949a).

Cooper's (2600:2745). Taxa: *Acinonyx jubatus*; *Antidorcas marsupialis*; *Antidorcas recki*; *Australopithecus africanus*; *Canis mesomelas*; *Caracal caracal*; *Cercopithecoides williamsi*; *Chasmaporthetes nitidula*; *Connochaetes taurinus* cf.; *Crocota crocuta*; *Crocota ultra*; *Cynictis penicillata*; *Damaliscus pygargus* cf.; *Dinofelis aronoki* cf.; *Equus burchellii*; *Equus capensis*; *Felis silvestris*; *Herpestes ichneumon*; *Hippotragus*; *Homo*; *Hystrix africae australis*; *Lepus*; *Lycaon sekowei*; *Megalotragus*; *Megantereon whitei*; *Metridiochoerus andrewsi*; *Metridiochoerus modestus*; *Panthera leo*; *Panthera pardus*; *Papio izodi*; *Papio robinsoni*; *Paranthropus robustus*; *Parahyaena brunnea*; *Pedetes*; *Pelea*; *Poecilogale albinucha*; *Procavia antiqua*; *Procavia transvaalensis*; *Proteles cristata*; *Raphicerus*; *Redunca fulvorufula*; *Simatherium kohllarseni*; *Sivatherium maurisium*; *Suricata*; *Syncerus*; *Taurotragus oryx*; *Theropithecus oswaldi*; *Tragelaphus scriptus* cf.; *Tragelaphus strepsiceros* cf. References: Berger *et al.* (1995, 2003); Churcher (1970); De Ruiter *et al.* (2009); Freedman (1970); Kuhn *et al.* (2017); O'Regan and Menter (2009); O'Regan and Steininger (2017); Reynolds (2010b).

Cornelia-Uitzoek (2710:2852). Taxa: *Aepyceros helmoedi*; *Antidorcas bondi*; *Antidorcas recki*; *Connochaetes gnou*; *Damaliscus niro*; *Equus burchellii* cf.; *Equus capensis*; *Equus quagga* cf.; *Eurygnathohippus cornelianus*; *Hippopotamus gorgops*; *Homo*; *Kolpochoerus heseloni*; *Kolpochoerus paiceae*; *Megalotragus priscus*; *Metridiochoerus compactus*; *Metridiochoerus modestus*; *Panthera leo*; *Phacochoerus*; *Raphicerus*; *Sivatherium maurisium*; *Sylvicapra grimmia*; *Syncerus antiquus*. References: Bender and Brink (1992); Brink (2004, 2005); Brink *et al.* (2012); Brink and Rossouw (2000); Brophy *et al.* (2014); Cooke (1974); McKee *et al.* (1995).

David's Drift (2824). Taxa: *Megalotragus priscus*. References: Cooke (1949a).

De Hoop 120 (2828:2644). Taxa: *Antidorcas bondi*. References: De Ruiter *et al.* (2011).

Delport's Hope (2824). Taxa: *Aepyceros melampus*; *Damaliscus*; *Elephas iolensis*; *Equus capensis* cf.; *Hippopotamus*; *Loxodonta africana*; *Megalotragus priscus*; *Taurotragus*. References: Cooke (1949a).

Die Kelders (3432:1922). Taxa: *Acomys subspinosus*; *Alcelaphus buselaphus*; *Antidorcas australis*; *Atelerix frontalis*; *Atilax paludinosus*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Ceratotherium simum*; *Chrysochloris asiatica*; *Connochaetes gnou*; *Crocidura flavescens*; *Damaliscus niro*; *Damaliscus pygargus*; *Dasymys incomtus*; *Dendromus melanotis*; *Dendromus mesomelas*; *Diceros bicornis*; *Equus capensis*; *Equus quagga*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Georchus capensis*; *Gerbilliscus afra*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Homo sapiens*; *Hystrix africae australis*; *Ictonyx striatus*; *Lepus capensis*; *Lycaon pictus*; *Mellivora capensis*; *Mus minutoides*; *Myomyscus verreauxii*; *Myosorex varius*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Otomys irroratus*; *Otomys saundersiae*; *Panthera leo*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus melanotis*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Suncus varilla*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Armstrong (2016); Avery (1977, 1979); Avery *et al.* (1997); Brophy *et al.* (2014); Grine *et al.* (1991); Klein (1975b); Klein and Cruz-Urbe (2000); Marean *et al.* (2000); Rightmire (1979a); Schweitzer (1974, 1979); Schweitzer and Scott (1973); Wadley (2015).

Diepkloof (3223:1827). Taxa: *Antidorcas*; *Atelerix frontalis*; *Bathyergus suillus*; *Canis mesomelas*; *Connochaetes gnou*; *Equus capensis*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Homo sapiens*; *Hystrix*

africaeaustralis; *Lepus*; *Mellivora capensis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Redunca arundinum*; *Syncerus antiquus*; *Taurotragus oryx*; *Vulpes chama*.

References: Klein and Steele (2008); Steele and Klein (2013); Wadley (2015).

Dikbosch 1 (2839:2354). Taxa: *Aethomys chrysophilus*; *Alcelaphus buselaphus*; *Ceratotherium simum?*; *Crocidura cyanea*; *Crocidura flavescens*; *Crocidura hirta*; *Cryptomys hottentotus*; *Equus quagga* cf.; *Gerbilliscus*; *Gerbillurus paeba*; *Graphiurus ocularis*; *Hippopotamus amphibius*; *Lepus*; *Mystromys natalensis*; *Mus minutoides*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Otomys saundersiae*; *Procavia capensis*; *Raphicerus*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Sylvicapra grimmia?*; *Steatomys*; *Suncus lixus*; *Taurotragus oryx*. References: Avery and Avery (2011); Humphreys (1974); Humphreys and Thackeray (1983); Klein (1979a).

Dinaledi Chamber (2601:2743). Taxa: *Homo naledi*. References: Berger *et al.* (2015).

Doring River (2810:2648). Taxa: *Alcelaphus buselaphus*; *Antidorcas bondi*; *Connochaetes taurinus*; *Damaliscus niro*; *Damaliscus pygargus*; *Megalotragus priscus*; *Syncerus antiquus*. References: Brink *et al.* (1999).

Draaihoek (2824). Taxa: *Diceros bicornis* cf.; *Megalotragus priscus*. References: Cooke (1949a).

Driefontein (3225). Taxa: *Antidorcas bondi*; *Damaliscus niro* cf.; *Equus capensis* cf.; *Equus quagga* cf.; *Megalotragus priscus*; *Oryx gazella* cf.; *Phacochoerus africanus* cf.; *Raphicerus campestris*; *Redunca arundinum* cf.; *Syncerus antiquus*; *Taurotragus oryx*. References: Wells (1970b).

Drimolen (2527). Taxa: *Acomys spinosissimus* aff.; *Antidorcas recki*; *Canis*; *Caracal caracal*; *Cercopithecoides*; *Chasmaporthetes nitidula?*; *Connochaetes*; *Cryptomys hottentotus* cf.; *Damaliscus*; *Dasymys 'bolti'*; *Dendromus melanotis* cf.; *Desmodillus auricularis*; *Dinofelis piveteaui* aff.; *Elephantulus*; *Eurygnathohippus cornelianus* cf.; *Gazella vanhoepeni* aff.; *Gerbilliscus*; *Grammomys dolichurus*; *Graphiurus*; *Hippotragus*; *Homo*; *Malacothrix*; *Mastomys natalensis*; *Megalotragus*; *Metridiochoerus*; *Mus*; *Myosorex*; *Mystromys hausleitneri*; *Oreotragus*; *Otomys gracilis*; *Papio robinsoni*; *Paranthropus robustus*; *Pelea*; *Praomys*; *Proodontomys cookei*; *Redunca* cf.; *Rhabdomys pumilio* aff.; *Steatomys pratensis* cf.; *Suncus*; *Tragelaphus*; *Vulpes chama*. References: Dusseldorp *et al.* (2013); Keyser *et al.* (2000); Moggi-Cecchi *et al.* (2010); O'Regan and Menter (2009); Reynolds (2010b); Rovinsky *et al.* (2015); S negas *et al.* (2005).

Drotsky's Cave (2002:2125). Taxa: *Equus burchellii*; *Gerbilliscus brantsii* cf.; *Gerbillurus paeba*; *Mystromys albicaudatus*; *Otomys angoniensis* cf.; *Pedetes capensis*. References: Robbins *et al.* (1996); Yellen *et al.* (1987).

Duinefontein (3343:1827). Taxa: *Antidorcas australis*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Ceratotherium simum*; *Crocuta crocuta*; *Damaliscus pygargus*; *Diceros bicornis*; *Equus quagga*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Hystrix africaeaustralis*; *Ictonyx striatus*; *Leptailurus serval*; *Lepus capensis*; *Loxodonta africana*; *Megalotragus priscus*; *Oryx gazella*; *Panthera leo*; *Parahyaena brunnea*; *Raphicerus melanotis*; *Redunca arundinum*; *Syncerus antiquus*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Brophy *et al.* (2014); Cruz-Uribe *et al.* (2003); Klein (1976b); Klein and Cruz-Uribe (1991); Klein *et al.* (1999a).

Elands Bay Cave (3218:1820). Taxa: *Alcelaphus buselaphus*; *Antidorcas*; *Atelerix frontalis*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Crocidura cyanea*; *Crocidura*

flavescens; *Cryptomys hottentotus*; *Diceros bicornis*; *Elephantulus edwardii*; *Elephantulus rupestris*; *Equus capensis*; *Equus quagga*; *Felis silvestris*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Hystrix africaeaustralis*; *Ictonyx striatus*; *Lepus*; *Loxodonta africana*; *Loxodonta cookei*; *Mellivora capensis*; *Micaelamys namaquensis*; *Myosorex varius*; *Mystromys albicaudatus*; *Myotomys unisulcatus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys irroratus*; *Otomys saundersiae*; *Panthera pardus*; *Papio ursinus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Redunca arundinum*; *Rhabdomys pumilio*; *Steatomys krebsii*; *Suncus varilla*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Vulpes chama*. References: Avery (unpublished); Dusseldorp *et al.* (2013); Jerardino *et al.* (2013); Klein and Cruz-Uribe (1987); Klein *et al.* (2007); Pfeiffer (2013).

Elandsfontein (3305:1815). Taxa: *Alcelaphus*; *Antidorcas australis*; *Antidorcas recki*; *Aonyx capensis*; *Atilax paludinosus*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Ceratotherium simum*; *Connochaetes gnou*; *Crocota crocuta*; *Damaliscus lunatus* cf.; *Damaliscus niro*; *Diceros bicornis*; *Equus capensis*; *Equus quagga*; *Felis silvestris*; *Gazella*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus gigas*; *Hippotragus leucophaeus*; *Homo rhodesiensis*; *Hystrix africaeaustralis*; *Ictonyx striatus*; *Kolpochoerus paiceae*; *Lepus capensis*; *Loxodonta africana*; *Loxodonta atlantica*; *Lycaon pictus*; *Megalotragus priscus*; *Megantereon gracile*; *Mellivora capensis*; *Metridiochoerus andrewsi*; *Numidocapra arambourgi*; *Oryx gazella*; *Panthera leo*; *Panthera pardus*; *Parahyaena brunnea*; *Parmularius?*; *Phacochoerus africanus*; *Raphicerus melanotis*; *Redunca arundinum*; *Sivatherium maurisium*; *Smutsia*; *Suricata major*; *Suricata suricatta*; *Syncerus antiquus*; *Taurotragus oryx*; *Theropithecus oswaldi*; *Tragelaphus strepsiceros*; *Vulpes chama*. References: Braun *et al.* (2013); Brophy *et al.* (2014); Drennan (1953); Ewer and Singer (1956); Hendey (1969); Klein (1974b, 1978c); Klein and Cruz-Uribe (1991); Klein *et al.* (2007); McKee *et al.* (1995); Singer (1956).

Equus Cave (2737:2438). Taxa: *Acinonyx jubatus*; *Alcelaphus buselaphus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Aonyx capensis*; *Atelerix frontalis*; *Atilax paludinosus*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes taurinus*; *Crocota crocuta*; *Cynictis penicillata*; *Damaliscus pygargus*; *Diceros bicornis*; *Equus burchellii*; *Equus capensis*; *Felis nigripes*; *Felis silvestris*; *Genetta*; *Giraffa camelopardalis*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus*; *Homo sapiens*; *Hystrix africaeaustralis*; *Kobus leche*; *Lepus*; *Lycaon pictus*; *Megalotragus priscus*; *Mellivora capensis*; *Orycteropus afer*; *Otocyon megalotis*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Suricata suricatta*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*. References: Brophy *et al.* (2014); Cruz-Uribe (1991); Grine and Klein (1985); Klein *et al.* (1991); McKee (1994); McKee *et al.* (1995).

Erfkroon (2852:2536). Taxa: *Alcelaphus buselaphus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Atilax paludinosus*; *Canis mesomelas*; *Connochaetes gnou*; *Crocota crocuta*; *Cynictis penicillata*; *Damaliscus niro*; *Damaliscus pygargus*; *Equus capensis*; *Galerella sanguinea*; *Hippopotamus amphibius*; *Hippotragus*; *Kobus ellipsiprymnus*; *Lycaon pictus* cf.; *Megalotragus priscus*; *Panthera leo*; *Phacochoerus*; *Syncerus antiquus*; *Vulpes chama*. References: Bousman and Brink (2014); Brophy *et al.* (2014); Churchill *et al.* (2000b).

Etosha Pan (1816CA). Taxa: *Aepyceros melampus*; *Antidorcas marsupialis*; *Damaliscus lunatus*; *Equus quagga*; *Taurotragus oryx*; *Tragelaphus spekeii*. References: Pickford *et al.* (2014).

- Faraoskop Rock Shelter** (3207:1836). Taxa: *Procavia capensis*. References: Manhire (1993); Pfeiffer (2013).
- Femur Dump** (2602:2742). Taxa: *Acomys spinosissimus*; *Aethomys chrysophilus* cf.; *Cercopithecoides williamsi*; *Cryptomys hottentotus* cf.; *Dasymys 'bolti'*; *Dendromus melanotis*; *Dinofelis barlowi*; *Mastomys* cf.; *Micaelamys namaquensis* cf.; *Mus*; *Mystromys hausleitneri*; *Otomys gracilis* cf.; *Pachycrocuta brevirostris*; *Papio robinsoni*; *Proodontomys cookei*; *Rhabdomys pumilio* cf.; *Steatomys pratensis*. References: Gommery et al. (2008a); Reynolds (2010b).
- Florisbad** (2846:2604). Taxa: *Alcelaphus buselaphus*; *Alcelaphus caama* cf.; *Antidorcas bondi*; *Antidorcas marsupialis*; *Aonyx capensis*; *Atilax paludinosus*; *Canis mesomelas*; *Cephalophus* cf.; *Ceratotherium simum*; *Connochaetes antiquus*; *Connochaetes gnou*; *Crocota crocuta*; *Cryptomys?*; *Damaliscus niro*; *Damaliscus pygargus*; *Diceros bicornis*; *Equus (Asinus)*; *Equus burchellii*; *Equus capensis*; *Equus quagga*; *Galerella sanguinea*; *Gerbilliscus*; *Giraffa camelopardalis*; *Hippopotamus amphibius*; *Hippotragus*; *Homo sapiens*; *Kobus ellipsiprymnus*; *Kobus leche*; *Lepus capensis*; *Lycaon pictus*; *Megalotragus priscus*; *Metridiochoerus* cf.; *Myotomys sloggetti* cf.; *Myotomys unisulcatus* cf.; *Otomys irroratus* cf.; *Panthera leo*; *Parahyaena brunnea*; *Parotomys*; *Pedetes capensis*; *Pedetes hagenstadti*; *Phacochoerus africanus*; *Raphicerus campestris*; *Redunca arundinum*; *Sivatherium maurisium*; *Sylvicapra grimmia* cf.; *Syncerus antiquus*; *Taurotragus oryx*; *Tragelaphus angasii* cf.; *Xerus inauris*. References: Brink (1988, 1994, 2005); Brophy et al. (2014); Churchill et al. (2000b); Cooke (1955); Dreyer (1935); Ewer (1957b); Hoffman (1953); Kuman and Clarke (1986); Lewis et al. (2011); McKee et al. (1995); Scott and Brink (1992); Singer (1956); Wadley (2015).
- Forlorn Hope** (2824). Taxa: *Equus burchellii* cf.; *Equus capensis*; *Hippopotamus*. References: Cooke (1949a).
- Friesenberg Hilltop** (1917:1740). Taxa: *Lycaon* cf. References: Pickford and Senut (2010); S n gas (1996).
- Garage Ravine Cave** (2602:2752). Taxa: *Canis mesomelas*; *Equus capensis*; *Taurotragus oryx*. References: Badenhorst et al. (2011b).
- Gcwihaba C Hill** (2121:2001). Taxa: *Dendromus*; *Elephantulus*; *Georchus*; *Gerbilliscus brantsii* cf.; *Gerbillurus*; *Graphiurus*; *Malacothrix*; *Mus*; *Myosorex*; *Myotomys campbelli*; *Otomys gracilis*; *Rhinolophus*; *Steatomys pratensis*; *Suncus*; *Zelotomys woosnami* aff. References: Pickford (1990); Pickford and Mein (1988); Pickford and Senut (2003); Pickford et al. (1994).
- Geelbek Dunes** (3311:1810). Taxa: *Bathyergus suillus*; *Connochaetes gnou*; *Crocota crocuta*; *Damaliscus*; *Equus capensis*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Lepus capensis*; *Loxodonta africana*; *Megalotragus priscus*; *Mellivora capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Syncerus antiquus*; *Taurotragus oryx*. References: Conard and Kandel (2006); Kandel and Conard (2012).
- Geelwal Karoo** (3131:1804). Taxa: *Canis mesomelas*. References: Cooke (1955).
- Gladysvale** (2553:2746). Other names: Uitkomst. Taxa: *Acomys spinosissimus*; *Aepyceros melampus* cf.; *Aethomys chrysophilus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Antidorcas recki*; *Alcelaphus buselaphus*; *Australopithecus africanus* cf.; *Canis mesomelas*; *Cercopithecoides williamsi*; *Connochaetes gnou* cf.; *Connochaetes taurinus*; *Crocidura fuscomurina* cf.; *Crocota ultra* cf.; *Cryptomys hottentotus*; *Cryptomys robertsi*; *Damaliscus lunatus*; *Damaliscus pygargus*; *Dasymys incomtus*; *Dendromus melanotis*; *Desmodillus auricularis*; *Diceros bicornis*; *Dinofelis barlowi*; *Dinofelis piveteaui* cf.; *Elephantulus myurus*;

Elephas; *Eptesicus hottentotus*; *Equus burchellii*; *Equus capensis*; *Eurygnathohippus*; *Gerbilliscus*; *Grammomys*; *Hipposideros caffer*; *Hippotragus equinus*; *Hippotragus niger*; *Homo*; *Hystrix africaeaustralis*; *Kobus leche*; *Kolpochoerus paiceae?*; *Lemniscomys rosalia*; 'Makapania' broomi; *Mastomys*; *Megalotragus*; *Miniopterus natalensis*; *Mus minutoides*; *Myosorex robinsoni*; *Myotis tricolor*; *Myotomys sloggetti*; *Mystromys albicaudatus*; *Mystromys hausleitneri*; *Neoromicia capensis*; *Nyctereutes terblanchei* cf.; *Oreotragus oreotragus*; *Oryx gazella* cf.; *Otomys saundersiae*; *Pachycrocuta brevirostris*; *Otomys gracilis*; *Panthera leo*; *Panthera* cf. *pardus*; *Papio izodi* cf.; *Papio robinsoni* cf.; *Pelea capreolus*; *Phacochoerus antiquus* cf.; *Potamochoeroides hypsodon* cf.; *Potamochoerus larvatus*; *Procavia antiqua*; *Procavia capensis*; *Procavia transvaalensis*; *Proodontomys cookei*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca darti*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Rhinolophus clivosus*; *Saccostomus campestris*; *Scotophilus nigrita*; *Steatomys*; *Stenodontomys*; *Suncus infinitesimus*; *Suncus varilla*; *Syncerus*; *Taurotragus oryx*; *Thallomys debruyni*; *Theropithecus oswaldi*; *Tragelaphus angasii*; *Tragelaphus strepsiceros*. References: Avery (1995a); Berger (1992, 1993); Berger et al. (1993); Broom (1937a, 1948a); Churcher (1956); Cooke (1962); Freedman (1970); Lacruz et al. (2002, 2003); Meester (1961a); Reynolds (2010b).

Gobabis townlands (2227:1858). Taxa: *Antidorcas bondi*; *Crocota crocuta*; *Damaliscus*; *Equus*; *Megalotragus priscus* cf.; *Phacochoerus africanus*. References: Jacobson (1978).

Gondolin (2549:2750). Taxa: *Antidorcas recki*; *Canis mesomelas*; *Ceratotherium simum*; *Connochaetes*; *Crocota crocuta*; *Damaliscus niro?*; *Damaliscus pygargus*; *Equus capensis* cf.; *Eurygnathohippus cornelianus* cf.; *Hippopotamus*; *Hippotragus equinus*; *Hystrix makapanensis*; *Metridiochoerus andrewsi*; *Oreotragus oreotragus*; *Procavia antiqua*; *Procavia transvaalensis*; *Redunca arundinum*; *Taurotragus oryx*; *Tragelaphus angasii*; *Tragelaphus strepsiceros*. References: Adams and Conroy (2005); Adams et al. (2007b); Kuykendall and Conroy (1999); Menter et al. (1999); Watson (1993b).

Gong-Gong (2824). Taxa: *Equus capensis*; *Mammuthus subplanifrons*; *Megalotragus priscus*. References: Cooke (1949a).

Groot Kloof (2411:2821). Taxa: *Damaliscus*; *Equus*; *Kobus leche*; *Syncerus antiquus*. References: Curnoe et al. (2006).

Haasgat (2551:2750). Taxa: *Alcelaphus buselaphus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Australopithecus?*; *Canis*; *Cercopithecoides haasgati*; *Cercopithecoides williamsi*; *Chasmaporthetes nitidula?*; *Connochaetes gnou*; *Connochaetes taurinus*; *Damaliscus pygargus*; *Dinofelis* cf.; *Equus burchellii*; *Equus capensis*; *Equus quagga* cf.; *Giraffa camelopardalis*; *Hippotragus equinus*; *Homo?*; *Hystrix africaeaustralis*; *Kobus ellipsiprymnus*; *Kobus leche*; *Megalotragus*; *Metridiochoerus* cf.; *Oreotragus oreotragus*; *Ourebia ourebi*; *Papio izodi*; *Parapapio broomi*; *Pelea capreolus*; *Procavia antiqua*; *Procavia capensis*; *Procavia transvaalensis*; *Pronolagus rupestris*; *Raphicerus*; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Adams (2012b); Brophy et al. (2014); Keyser (1991); Keyser and Martini (1991); Leece et al. (2016); McKee and Keyser (1994); Plug and Keyser (1993); Reynolds (2010b).

Hadeco. See Minaar's Cave.

Halliwell's Workings (2824). Taxa: *Damaliscus lunatus* cf.; *Connochaetes*; *Equus burchellii* cf.; *Equus capensis*; *Equus quagga* cf.; *Hippopotamus amphibius*; *Loxodonta*; *Megalotragus priscus*; *Metridiochoerus compactus*; *Syncerus antiquus*. References: Cooke (1949a).

Hawston (3419AD). Taxa: *Diceros bicornis*; *Loxodonta africana*. References: Cooke (1955).

Hennops River (2551:2756). Taxa: *Mystromys hausleitneri*. References: Broom (1948a).

- Herolds Bay** (3315:2226). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Aonyx capensis*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes gnou*; *Damaliscus*; *Equus*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Hystrix africae australis*; *Ictonyx striatus*; *Lepus capensis*; *Lycaon pictus*; *Mellivora capensis*; *Oreotragus oreotragus*; *Panthera leo*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Potamochoerus larvatus*; *Procapra capensis*; *Raphicerus melanotis*; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*. References: Brink and Deacon (1982).
- Hettie 582** (2808:2658). Taxa: *Antidorcas marsupialis*; *Connochaetes gnou*; *Equus burchellii*; *Megalotragus priscus*; *Phacochoerus africanus*. References: De Ruiter et al. (2011).
- Heuningneskrans** (2436:3039). Taxa: *Aepyceros melampus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Equus burchellii*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Orycteropus afer*; *Panthera leo*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Procapra capensis*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus strepsiceros*. References: Klein (1984a).
- Hoedjiesbaai** (3317BD). Taxa: *Canis mesomelas*; *Procapra capensis*; *Raphicerus campestris*; *Suricata?*. References: Cooke (1955).
- Hoedjiespunt 1** (3303:1758). Taxa: *Acomys subspinosus*; *Antidorcas australis*; *Aonyx capensis*; *Atilax paludinosus*; *Bathyergus suillus*; *Canis mesomelas*; *Ceratotherium simum*; *Crocidura cyanea*; *Crocota crocuta*; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Elephantulus rufescens*; *Equus capensis*; *Equus quagga*; *Felis nigripes*; *Felis silvestris*; *Genetta tigrina*; *Gerbilliscus afra*; *Herpestes ichneumon*; *Homo rhodesiensis*; *Hystrix africae australis*; *Ictonyx striatus*; *Lepus capensis*; *Lepus saxatilis*; *Lycaon pictus*; *Megalotragus priscus*; *Mellivora capensis*; *Micaelamys namaquensis*; *Myomyscus verreauxii*; *Myosorex varius*; *Myotomys sloggetti*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Otomys irroratus*; *Otomys saundersiae*; *Panthera leo*; *Panthera pardus*; *Parahyaena brunnea*; *Parotomys brantsii*; *Pelea capreolus*; *Procapra capensis*; *Raphicerus*; *Redunca arundinum*; *Rhabdomys pumilio*; *Rhinolophus clivosus*; *Suricata suricatta*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*; *Zelotomys woosnami*. References: Berger and Parkington (1995); Brophy et al. (2014); Churchill et al. (2000a); Matthews et al. (2005, 2006); Stynder (1997).
- Hofmeyr Cave** (3125DB). Taxa: *Homo sapiens*. References: Dusseldorp et al. (2013); Grine et al. (2007).
- Homestead Area** (2824). Taxa: *Aepyceros melampus*; *Equus capensis*; *Phacochoerus africanus*. References: Cooke (1949a).
- Hoogstede** (3151:2607). Taxa: *Equus burchellii*; *Megalotragus priscus* cf. References: Cooke (1955).
- Jack's Camp** (2033:2512) Other names: SAAN-0036. Taxa: *Hippopotamus*; *Hippotragus*; *Kobus ellipsiprymnus* cf.; *Syncerus antiquus*; *Tragelaphus*. References: Berger and Brink (2001).
- Jägersquelle** (1925:1804). Taxa: *Acomys*; *Crocidura*; *Cryptomys*; *Gerbillurus*; *Malacothrix*; *Micaelamys*; *Miniopterus*; *Mus*; *Mystromys*; *Panthera pardus*; *Parapapio*; *Rhinolophus*; *Steatomys*; *Zelotomys*. References: Pickford and Senut (2010).
- Jakkalsfontein** (3123AC). Taxa: *Equus burchellii*; *Equus capensis*. References: Cooke (1955).
- Kalk Bay** (3418AB). Taxa: *Hippopotamus amphibius*; *Loxodonta africana*. References: Cooke (1955).
- Kalk Plateau** (2417DB). Taxa: *Equus burchellii*. References: Cooke (1955).

Kalkbank (2332:2921). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Alcelaphus caama* cf.; *Antidorcas bondi*; *Antidorcas marsupialis*; *Connochaetes taurinus*; *Crocota crocuta*; *Damaliscus lunatus* cf.; *Diceros bicornis*; *Equus burchellii*; *Equus capensis*; *Georychus capensis*; *Giraffa camelopardalis*; *Hippopotamus amphibius*; *Hystrix africae australis*; *Ichneumia albicauda*; *Kobus ellipsiprymnus*; *Loxodonta africana*; *Lycaon pictus*; *Megalotragus priscus*; *Panthera leo*; *Panthera pardus*; *Phacochoerus africanus*; *Redunca fulvorufula*; *Syncerus antiquus*; *Taurotragus oryx*; *Vulpes chama* cf. References: Brown (1988); Cooke (1962); Ewer (1958a, 1962); Hutson (2006); Hutson and Cain (2008); Wadley (2015).

Kalkoenkrans 225 (2810:2645). Taxa: *Antidorcas marsupialis*; *Connochaetes gnou*. References: De Ruiter *et al.* (2011).

Kathu Pan (2740:2301). Taxa: *Alcelaphus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Ceratotherium simum*; *Elephas recki*; *Equus burchellii*; *Equus capensis*; *Giraffa camelopardalis*; *Hippopotamus amphibius*; *Hippotragus* cf.; *Megalotragus priscus*; *Orycteropus afer*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Redunca*; *Syncerus antiquus*; *Syncerus caffer*; *Tragelaphus*. References: Klein (1988); Wadley (2015).

Keeble's Paddock (2824). Taxa: *Connochaetes gnou* cf.; *Equus burchellii*; *Equus capensis*; *Hippopotamus amphibius*; *Hippotragus niger*; 'Kobus' *altidens*; *Phacochoerus*. References: Cooke (1949a).

Klasies River (3406:2424). Taxa: *Acomys subspinosus*; *Alcelaphus buselaphus* cf.; *Amblysomus hottentotus*; *Antidorcas australis*; *Aonyx capensis*; *Atilax paludinosus*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal* cf.; *Chlorotalpa duthiae*; *Connochaetes*; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Damaliscus niro*; *Damaliscus pygargus*; *Dasymys incomtus*; *Dendromus melanotis*; *Dendromus mesomelas*; *Diceros bicornis*; *Equus quagga*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Georychus capensis*; *Grammomys dolichurus*; *Graphiurus ocularis*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Homo sapiens*; *Hystrix africae australis*; *Kobus*; *Lepus capensis*; *Loxodonta africana*; *Macroselides proboscideus*; *Mastomys coucha*; *Megalotragus priscus*; *Mellivora capensis*; *Micaelamys namaquensis*; *Mus minutoides*; *Myomyscus verreauxii*; *Myosorex varius*; *Mystromys albicaudatus*; *Orycteropus afer*; *Otomys irroratus*; *Otomys laminatus*; *Otomys saundersiae*; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus melanotis*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Suncus infinitesimus*; *Sylvicapra grimmia*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*; *Thallomys paeudulcus*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Avery (1987b, 1995b); Brophy *et al.* (2014); Grine *et al.* (1998); Henderson (1992); Klein (1975b, 1976a); McKee *et al.* (1995); Pearce (2008); Rightmire and Deacon (1991); Van Pletzen (2000); Wadley (2015).

Klipdrift Complex (3427:2044). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis* cf.; *Bathyergus suillus*; *Connochaetes gnou*; *Damaliscus pygargus*; *Diceros bicornis*; *Equus*; *Lepus saxatilis*; *Oreotragus oreotragus*; *Ourebia ourebi*; *Parahyaena brunnea*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus*; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*. References: Harvati *et al.* (2015); Henshilwood *et al.* (2014); Reynard *et al.* (2016a, 2016b); Wadley (2015).

Koanaka Hills. See !Ncumtsa.

Koffiefontein (2925AC). Taxa: *Equus capensis*. References: Wells (1940).

- Kombat E900** (1942:1743). Taxa: *Antidorcas*; *Procapra*. References: Pickford and Senut (2010).
- Kraanvogelvallei Breakwater** (2824). Taxa: *Hippopotamus amphibius*. References: Cooke (1949a).
- Kramleeg** (3017:1724). Taxa: *Pedetes capensis* cf. References: Pickford and Mein (2011).
- Kranskraal** (2928AB). Taxa: *Megalotragus priscus*. References: Hoffman (1953).
- Kromdraai** (2600:2745). Taxa: *Acomys*; *Arvicanthis*; *Canis antiquus*; *Canis atrox*; *Chrysoxalax*; *Connochaetes taurinus* cf.; *Crocota crocuta*; *Crocota ultra*; *Crossarchus transvaalensis* cf.; *Cryptomys robertsi*; *Dasymys*; *Dendromus*; *Desmodillus*; *Elephantulus antiquus*; *Elephantulus brachyrhynchus*; *Elephantulus broomi*; *Eptesicus hottentotus* cf.; *Equus burchellii*; *Equus capensis*; *Equus quagga*; *Eurygnathohippus cornelianus*; *Felis crassidens*; *Gerbilliscus leucogaster* cf.; *Gorgopithecus major*; *Grammomys dolichurus* cf.; *Graphiurus*; *Hyaena hyaena*; *Lemniscomys*; *Macroscelides proboscideus*; *Malacothrix*; *Mastomys natalensis* cf.; *Mellivora*; *Metridiochoerus andrewsi*; *Metridiochoerus modestus*; *Micaelamys namaquensis* cf.; *Mus*; *Myosorex robinsoni*; *Myotis tricolor* cf.; *Myotis welwitschii* cf.; *Mystromys hausleitneri*; *Nyctereutes terblanchei*; *Otomys gracilis*; *Panthera leo*; *Papio izodi*; *Parahyaena brunnea*; *Paranthropus robustus*; *Parmularius parvus*; *Potamochoeroides hypsodon*; *Proamblysomus antiquus*; *Procapra transvaalensis*; *Proodontomys cookei*; *Rhabdomys pumilio* cf.; *Rhinolophus capensis* cf.; *Steatomys*; *Suncus varilla* cf.; *Taphozous*; *Thallomys paedulus* cf.; *Theropithecus oswaldi*; *Vulpes pulcher*; *Zelotomys*. References: Broom (1939c, 1940, 1948a); Broom and Robinson (1948); Brophy et al. (2014); Churcher (1970); De Graaff (1961b); De Ruiter (2004); De Ruiter et al. (2008b); Ewer (1958b); Freedman (1970); Freedman and Brain (1972); Gommery et al. (2008b); McCrae and Potze (2006); Pickford (2013b); Pocock (1985, 1987); Reynolds (2010b); Singleton et al. (2016); Thackeray et al. (2001, 2005); Turner (1986); Vrba (1981).
- Larsen's Pits, Main Workings and Shaft 47** (2820:2444). Taxa: *Alcelaphus robustus*; *Connochaetes*; *Damaliscus pygargus* cf.; *Equus burchellii*; *Equus capensis*; *Equus sandwithi*; *Hippopotamus amphibius*; *Metridiochoerus compactus*; *Phacochoerus africanus*; *Phacochoerus altidens*; *Syncerus antiquus*; *Syncerus caffer*. References: Cooke (1949a, 1949b); Shaw and Cooke (1940).
- LeRoux 717** (2811:2659). Taxa: *Antidorcas marsupialis*. References: De Ruiter et al. (2011).
- Lesedi Chamber** (2601:2743). Taxa: *Homo naledi*. References: Hawks et al. (2017).
- Lincoln Cave** (2627BA). Taxa: *Antidorcas*; *Canis mesomelas*; *Damaliscus niro*; *Equus burchellii*; *Hippopotamus amphibius*; *Hippotragus*; *Homo erectus* cf.; *Hystrix* cf.; *Otocyon megalotis*; *Papio ursinus* cf.; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procapra capensis*; *Raphicerus*; *Suricata suricatta*; *Taurotragus oryx* cf.; *Tragelaphus scriptus* cf.; *Vulpes chama*. References: Reynolds et al. (2007); Wadley (2015).
- Linkerhandsgat** (3419). Taxa: *Alcelaphus caama* cf.; *Canis mesomelas*; *Crocota*. References: Cooke (1955).
- Little England** (3222BD). Taxa: *Equus burchellii* cf. References: Cooke (1955).
- Longlands** (2824). Taxa: *Crocota crocuta*; *Equus burchellii*; *Equus capensis*; *Hippopotamus amphibius*; *Metridiochoerus andrewsi*; *Notochoerus capensis*. References: Broom (1925, 1928); Cooke (1949a).
- Lower Kemp's Cave** (2605:2742). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Canis mesomelas*; *Connochaetes gnou*; *Connochaetes taurinus*; *Crocota crocuta*; *Damaliscus pygargus*; *Equus burchellii*; *Equus capensis*; *Genetta genetta*; *Hippotragus niger* cf.; *Hystrix africaeaustralis*; *Leptailurus serval*; *Lepus saxatilis*; *Panthera*

- pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Pronolagus*; *Raphicerus campestris*; *Redunca arundinum*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*. References: Swanepoel (2003).
- Luleche** (2550:2751). Taxa: *Oreotragus oreotragus*; *Redunca*; *Tragelaphus angasii*. References: Adams *et al.* (2007a).
- Mahemspan** (2746:2609). Taxa: *Alcelaphus buselaphus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Connochaetes gnou*; *Connochaetes taurinus*; *Crocota crocuta*; *Damaliscus niro*; *Damaliscus pygargus*; *Equus capensis*; *Equus quagga* cf.; *Hippopotamus amphibius*; *Hippotragus*; *Hystrix africaeaustralis*; *Kobus leche*; *Megalotragus priscus*; *Panthera leo*; *Phacochoerus africanus*; *Syncerus antiquus*; *Taurotragus oryx*. References: Brink (1993, 2005); Brophy *et al.* (2014); Hoffman (1953); Van Hoepen (1947).
- Malapa** (2553:2748). Taxa: *Atilax mesotes*; *Australopithecus sediba*; *Cynictis* cf.; *Dinofelis barlowi*; *Elephantulus*; *Equus*; *Felis nigripes*; *Felis silvestris*; *Genetta*; *Lepus*; *Lycaon*; *Megantereon whitei*; *Mungos*; *Oreotragus*; *Panthera pardus*; *Papio*; *Parahyaena brunnea*; *Rhynchogale* cf.; *Tragelaphus scriptus* cf.; *Tragelaphus strepsiceros* cf.; *Vulpes chama*; *Vulpes skinneri*. References: Dirks *et al.* (2010); Kuhn *et al.* (2011, 2016); Val *et al.* (2011, 2014).
- Meerholtzkop** (2727BB). Taxa: *Megalotragus priscus*. References: Hoffman (1953).
- Melkbos** (3342:1824). Taxa: *Antidorcas australis*; *Bathyergus suillus*; *Canis mesomelas*; *Ceratotherium simum*; *Connochaetes*; *Diceros bicornis*; *Equus capensis*; *Hippopotamus amphibius*; *Loxodonta africana*; *Panthera leo*; *Parahyaena brunnea*; *Raphicerus*; *Redunca arundinum*; *Syncerus*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Hendey (1968, 1969); Klein (1974b).
- Mimosa 559** (2827:2638). Taxa: *Antidorcas bondi*; *Antidorcas marsupialis*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus burchellii*; *Equus capensis*; *Giraffa camelopardalis*; *Hippotragus niger*; *Hystrix africaeaustralis*; *Kobus ellipsiprymnus*; *Kobus leche*; *Megalotragus priscus*; *Phacochoerus africanus*. References: De Ruiter *et al.* (2011).
- Minaar's Cave** (2559:2746). Other names: SAAN-0004; Hadeco. Taxa: *Canis mesomelas*; *Crocota crocuta*; *Equus capensis*; *Hystrix africaeaustralis*; *Megalotragus*; *Oreotragus oreotragus*; *Panthera pardus*; *Papio izodi* cf.; *Procavia antiqua*; *Tragelaphus strepsiceros*. References: Brain (1981); Berger and Brink, (2001); Churcher (1970); Freedman (1970); Gommery *et al.* (2012b).
- Mitasrust Farm** (2826). Taxa: *Connochaetes antiquus* cf.; *Damaliscus pygargus*; *Equus burchellii*; *Equus capensis* cf.; *Megalotragus priscus*; *Phacochoerus africanus*; *Syncerus antiquus*. References: Rossouw (2006).
- Mockesdam** (2928AB). Taxa: *Megalotragus priscus*. References: Hoffman (1953).
- Modder River** (2825). *Megalotragus priscus*; *Syncerus antiquus*. References: Cooke (1955).
- Morris Draai** (2824). Taxa: *Equus capensis* cf.; *Hippopotamus amphibius*; *Hippotragus niger* cf.; *Tragelaphus strepsiceros*. References: Cooke (1949a).
- Motsetse** (2554:2749). Taxa: *Antidorcas*; *Canis mesomelas*; *Connochaetes taurinus*; *Crocota crocuta*; *Damaliscus*; *Dinofelis piveteaui*; *Equus*; *Genetta*; *Oreotragus oreotragus* cf.; *Pelea capreolus* cf.; *Procavia capensis*; *Redunca*; *Tragelaphus strepsiceros*. References: Berger and Lacruz (2003); Reynolds (2010b).
- Namib IV** (2347:1520). Taxa: *Elephas recki*; *Equus burchellii* cf.; *Syncerus caffer* cf. References: Klein (1988); Shackley (1980, 1985).
- Nelson Bay Cave** (3406:2322). Taxa: *Alcelaphus caama* cf.; *Antidorcas marsupialis* cf.; *Aonyx capensis*; *Atilax paludinosus*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes gnou* cf.;

- Damaliscus pygargus*; *Equus capensis*; *Felis silvestris*; *Galerella pulverulenta*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Lepus capensis*; *Megalotragus*; *Mellivora capensis*; *Orycteropus afer*; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus*; *Redunca arundinum*; *Redunca fulvorufula*; *Smutsia temminckii* cf.; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus scriptus*. References: Brophy *et al.* (2014); Klein (1972, 1974b); Pearce (2008).
- Niekerk's Rush** (2824). Taxa: *Equus burchellii*. References: Cooke (1949a).
- Nooitgedacht** (2830). Taxa: *Homo sapiens*. References: Morris *et al.* (1995).
- Nooitgedacht** (3419). Taxa: *Aepyceros melampus*; *Redunca arundinum*. References: Cooke (1955).
- Nos** (2530:1530). Taxa: *Antidorcas marsupialis*; *Canis*; *Procavia*. References: Thackeray (1979).
- Nosib** (1925:1748). Taxa: *Crocidura*; *Cryptomys*; *Dasymys*; *Dendromus*; *Gerbilliscus*; *Gerbillurus*; *Graphiurus*; *Malacothrix*; *Mastomys*; *Mus*; *Mystromys*; *Rhabdomys*; *Rhinolophus*; *Steatomys*; *Stenodontomys*; *Zelotomys*. References: Pickford and Senut (2010).
- Nxazini Pans** (2005:2522). Other names: SAAN-0034, 0035. Taxa: *Antidorcas bondi*; *Connochaetes taurinus* cf.; *Damaliscus*; *Elephas*; *Equus burchellii*; *Equus capensis* cf.; *Hippopotamus*; *Metridiochoerus*; *Phacochoerus*; *Procavia*; *Sylvicapra* cf.; *Syncerus*; *Tragelaphus scriptus*. References: Berger and Brink (2001).
- Old Pont Site** (2824). Taxa: *Elephas iolensis*; *Equus burchellii*; *Hippopotamus amphibius*; *Tragelaphus strepsiceros*. References: Cooke (1949a).
- Ondera** (1839:1339). Taxa: *Procavia*. References: Pickford and Senut (2010); Pickford *et al.* (1993).
- Ongers River** (2957:2311). Taxa: *Megalotragus priscus*. References: Brink *et al.* (1995).
- Oranjemund** (2833:1624). Taxa: *Homo sapiens*. References: Senut *et al.* (2000).
- Otjiseva** (2216BD). Taxa: *Homo sapiens*. References: De Villiers (1972a); Sydow (1969).
- Peers Cave** (3407:1825). Taxa: *Equus capensis*; *Equus zebra*; *Homo sapiens*. References: Cooke (1955); Pfeiffer (2013).
- Pinnacle Point** (3422AA). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes gnou*; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Damaliscus niro*; *Damaliscus pygargus*; *Dendromus mystacalis*; *Diceros bicornis*; *Elephantulus*; *Elephantulus edwardii*; *Equus capensis* cf.; *Equus quagga* cf.; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Georychus capensis*; *Gerbilliscus afra*; *Grammomys dolichurus*; *Hippotragus leucophaeus*; *Homo sapiens*; *Hystrix africae australis*; *Ictonyx striatus*; *Lepus capensis*; *Megalotragus priscus*; *Mellivora capensis*; *Mus minutoides*; *Myomyscus verreauxii*; *Myosorex varius*; *Myotis*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Otomys irroratus*; *Otomys saundersiae*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Rhinolophus clivosus*; *Saccostomus campestris*; *Steatomys krebsii*; *Suncus infinitesimus*; *Suncus varilla*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus scriptus* cf.; *Vulpes chama*; *Zelotomys*. References: Armstrong (2016); Brophy *et al.* (2014); Marean *et al.* (2004); Matthews *et al.* (2009, 2011); McGrath *et al.* (2015); Rector and Reed (2010); Wadley (2015).

- Plovers Lake** (2559:2747). Taxa: *Aethomys chrysophilus*; *Alcelaphus buselaphus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Aonyx capensis*; *Atilax paludinosus*; *Canis mesomelas*; *Chlorocebus aethiops*; *Connochaetes gnou*; *Connochaetes taurinus*; *Crociodura silacea*; *Crocota crocuta* cf.; *Cryptomys hottentotus*; *Cynictis penicillata* cf.; *Damaliscus niro*; *Damaliscus pygargus*; *Dendromus melanotis*; *Elephantulus*; *Equus burchellii*; *Equus capensis*; *Felis silvestris*; *Galerella sanguinea* cf.; *Genetta tigrina*; *Gerbilliscus*; *Hippopotamus*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Ictonyx striatus*; *Kobus ellipsiprymnus*; *Lepus*; *Lycaon pictus*; *Mastomys natalensis*; *Megalotragus priscus*; *Mellivora capensis*; *Metridiochoerus andrewsi*; *Micaelamys namaquensis* cf.; *Mungos mungo* cf.; *Mus minutoides*; *Mystromys albicaudatus*; *Otocyon megalotis*; *Otomys irroratus*; *Panthera leo* cf.; *Panthera pardus* cf.; *Papio robinsoni*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Procavia transvaalensis*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Steatomys pratensis*; *Suricata suricatta*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*; *Zelotomys woosnami*. References: Brophy *et al.* (2006, 2014); De Ruiter *et al.* (2008a); McKee *et al.* (1995); Reynolds (2010b); Thackeray and Watson (1994); Wadley (2015).
- Neil** (2824BD). Taxa: *Connochaetes gnou*; *Damaliscus niro*; *Damaliscus pygargus*; *Elephas iolensis*; *Equus burchellii*; *Equus capensis*; *Hippopotamus amphibius*; *Kobus leche* cf.; *Kolpochoerus paiceae*; *Loxodonta africana*; *Megalotragus priscus*; *Phacochoerus africanus*; *Phacochoerus altidens*; *Syncerus caffer*; *Taurotragus*. References: Broom (1928); Cooke (1939); Cooke and Wells (1946); Hoffman (1953); Hutson (2016); Shaw and Cooke (1940).
- Pockenbank** (2713:1631). Taxa: *Canis*; *Equus zebra* cf.; *Lepus*; *Oreotragus oreotragus*; *Oryx gazella*; *Procavia capensis*. References: Thackeray (1979); Wadley (2015).
- Pomongwe** (2032:2830). Taxa: *Connochaetes taurinus* cf.; *Damaliscus lunatus* cf.; *Equus burchellii*; *Equus capensis*; *Hippotragus equinus*; *Hippotragus niger*; *Hystrix africae australis*; *Kobus ellipsiprymnus*; *Lepus*; *Mellivora capensis*; *Oreotragus oreotragus*; *Panthera pardus*; *Pedetes capensis*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus sharpei* cf.; *Redunca arundinum*; *Taurotragus oryx*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Brain (1981); Wadley (2015).
- Power's Site** (2832:2428DA). Taxa: *Alcelaphus caama* cf.; *Antidorcas bondi*; *Antidorcas recki*; *Ceratotherium simum*; *Connochaetes*; *Damaliscus pygargus* cf.; *Elephas iolensis*; *Elephas recki*; *Equus burchellii*; *Equus capensis*; *Equus quagga* cf.; *Equus sandwithi* cf.; *Hippopotamus amphibius*; *Loxodonta*; *Megalotragus priscus*; *Metridiochoerus andrewsi*; *Metridiochoerus compactus*; *Phacochoerus africanus*; *Phacochoerus altidens*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus antiquus*; *Syncerus caffer* cf.; *Taurotragus oryx*. References: Cooke (1949a); Klein (1988); Power (1955).
- Pretoria** (2528). Taxa: *Papio spelaeus*. References: Broom (1936b); Freedman (1970).
- Prieska** (2922DA). Taxa: *Megalotragus priscus*. References: Hoffman (1953).
- Putslaagte 8** (3218). Taxa: *Bathyergerg suillus*; *Caracal caracal*; *Equus*; *Hippotragus leucophaeus*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Procavia capensis*; *Raphicerus*; *Redunca*; *Sylvicapra grimmia*; *Syncerus caffer*. References: Mackay *et al.* (2015).
- Ravenscraig** (3000:2747). Taxa: *Equus*; *Oreotragus oreotragus*; *Pelea capreolus*. References: Plug (1997b).
- Redcliff** (1901:2946). Taxa: *Aepyceros melampus*; *Alcelaphus* cf.; *Antidorcas bondi*; *Antidorcas marsupialis*; *Aonyx*; *Atelerix frontalis*; *Canis mesomelas*; *Ceratotherium simum*; *Connochaetes taurinus*; *Crocota crocuta*; *Damaliscus pygargus*; *Dendrohyrax arboreus*; *Equus*

- burchellii*; *Equus capensis*; *Felis silvestris*; *Galerella sanguinea*; *Giraffa camelopardalis*; *Hippopotamus amphibius*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Ichneumia albicauda*; *Kobus ellipsiprymnus*; *Kobus leche*; *Lepus*; *Loxodonta africana*; *Lycaon pictus*; *Megalotragus priscus*; *Mellivora capensis*; *Metridiochoerus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Ourebia ourebi*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus*; *Redunca arundinum*; *Redunca fulvorufula*; *Smutsia temminckii*; *Sylvicapra grimmia*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*. References: Cruz-Urbe (1983); Klein (1978b); Wadley (2015).
- Reunion Rocks** (2930DD). Taxa: *Loxodonta africana*. References: Ramsay et al. (1993).
- Riet River** (2614:2948). Taxa: *Connochaetes antiquus*; *Equus quagga*; *Homo*; *Kobus leche*; *Megalotragus* cf.; *Parahyaena brunnea*; *Phacochoerus*. References: Berger and Brink (1996).
- Rietfontein** (1942:1753). Taxa: *Antidorcas*; *Oryx*; *Panthera pardus*; *Procavia*. References: Pickford and Senut (2010).
- River-bed above the Island** (2824). Taxa: *Equus capensis*; *Hippopotamus amphibius*; *Loxodonta africana* cf.; *Syncerus caffer*. References: Cooke (1949a).
- River-bed below the Island** (2824). Taxa: *Elephas iolensis*; *Hippopotamus amphibius*. References: Cooke (1949a).
- Riverton** (2831:2442). Taxa: *Equus burchellii*; *Equus capensis*; *Hippopotamus amphibius*; *Phacochoerus africanus*. References: Cooke (1949a).
- Rocky II and III** (1748:1342). Taxa: *Crocidura*; *Desmodillus*; *Elephantulus*; *Gerbilliscus*; *Graphiurus*; *Lepus*; *Malacothrix*; *Mastomys*; *Mus*; *Myotis*; *Nycteris*; *Pedetes*; *Petromys*; *Petromyscus*; *Procavia*; *Rhabdomys*; *Rhinolophus*; *Saccostomus*; *Steatomys*; *Thallomys*; *Thryonomys*; *Zelotomys*. References: Pickford and Senut (2010); Pickford et al. (1993).
- Rose Cottage Cave** (2913:2728). Taxa: *Aepyceros melampus* cf.; *Alcelaphus buselaphus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Aonyx capensis* cf.; *Cephalophus natalensis*; *Connochaetes gnou*; *Connochaetes taurinus*; *Cricetomys ansorgei* cf.; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Equus burchellii*; *Equus capensis*; *Giraffa camelopardalis* cf.; *Herpestes*; *Hippotragus leucophaeus* cf.; *Homo sapiens*; *Hystrix africae australis*; *Lepus*; *Mastomys natalensis*; *Megalotragus priscus*; *Papio ursinus*; *Pedetes capensis*; *Pelea capreolus* cf.; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Redunca fulvorufula*; *Smutsia temminckii*; *Sylvicapra grimmia* cf.; *Syncerus antiquus* cf.; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Avery (1997b); Brophy et al. (2014); Plug (1997b); Plug and Engela (1992); Welbourne (1988); Wells (2006).
- SAAN-0005** (2559:2746). Taxa: *Equus capensis*; *Megalotragus*; *Oreotragus oreotragus*; *Procavia capensis*. References: Berger and Brink (2001).
- SAAN-0034, 0035**. See Nxazini Pans.
- SAAN-0036**. See Jack's Camp.
- SAAN-004**. See Minaar's Cave.
- SAAN-0042, 0043**. See Thomeng.
- Saldanha Bay** (3300:1757). Taxa: *Equus capensis*. References: Cooke (1955); Freedman (1970).
- Saldanha Bay Yacht Club** (3317BB). Taxa: *Bathyergus suillus*; *Chrysochloris asiatica*; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Dendromus mesomelas*; *Elephantulus edwardii*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Otomys irroratus*; *Otomys*

saundersiae; *Rhabdomys pumilio*; *Rhinolophus clivosus*; *Steatomys krebsii*; *Suncus varilla*.
References: Manthi (2002); Matthews *et al.* (2007).

Sand River (2826AA). Taxa: *Megalotragus priscus*. References: Hoffman (1953); Van Hoepen (1947).

Schmidt's Drift (2824DA). Taxa: *Equus capensis*. References: Cooke (1949a).

Schoolplaats No. 1 (2824BB). Taxa: *Equus capensis*. References: Cooke (1949a).

Sea Harvest (3301:1757). Taxa: *Acinonyx jubatus*; *Antidorcas australis* cf.; *Aonyx capensis*; *Bathyergus suillus*; *Canis mesomelas*; *Ceratotherium simum*; *Crocota crocuta*; *Damaliscus pygargus*; *Equus capensis*; *Equus quagga*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta tigrina* cf.; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Homo sapiens*; *Hystrix africae australis*; *Ictonyx striatus*; *Leptailurus serval* cf.; *Leptis capensis*; *Lepus saxatilis*; *Loxodonta africana*; *Lycaon pictus*; *Mellivora capensis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Redunca arundinum*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Brophy *et al.* (2014); Grine and Klein (1993).

Sehonghong (2946:2847). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Canis mesomelas*; *Caracal caracal*; *Chlorocebus pygerythrus*; *Connochaetes gnou*; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Equus capensis*; *Equus quagga*; *Hippotragus equinus*; *Hippotragus leucophaeus*; *Hystrix africae australis*; *Ictonyx striatus*; *Lepus saxatilis*; *Megalotragus priscus*; *Oreotragus oreotragus*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Horsburgh *et al.* (2016); Plug and Mitchell (2008); Wadley (2015).

Sheppard Island (2725DA). Other names: Bloemhof site. Taxa: *Elephas iolensis*; *Equus burchellii*; *Equus capensis*; *Equus sandwithi*; *Hippopotamus amphibius*; *Megalotragus priscus*; *Phacochoerus africanus* cf.; *Syncerus antiquus*; *Syncerus caffer*; *Tragelaphus?*. References: Cooke (1949a, 1955).

Sibudu (2931:3105). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Aonyx capensis* cf.; *Atilax paludinosus*; *Cephalophus natalensis*; *Cercopithecus albogularis*; *Chlorocebus aethiops*; *Chlorocebus pygerythrus*; *Connochaetes taurinus*; *Cricetomys ansorgei*; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Elephantulus myurus*; *Equus burchellii* cf.; *Equus capensis* cf.; *Equus quagga*; *Felis silvestris*; *Galerella sanguinea*; *Genetta tigrina* cf.; *Georychus capensis*; *Giraffa camelopardalis*; *Hippopotamus amphibius*; *Hippotragus equinus*; *Homo sapiens*; *Hystrix africae australis* cf.; *Ictonyx striatus* cf.; *Kobus ellipsiprymnus*; *Lepus saxatilis*; *Loxodonta africana*; *Mastomys natalensis*; *Megalotragus priscus*; *Myosorex varius*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys angoniensis*; *Otomys irroratus*; *Otomys laminatus*; *Panthera leo*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Pronolagus crassicaudatus*; *Pronolagus rupestris*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Rhinolophus clivosus*; *Smutsia temminckii*; *Sylvicapra grimmia*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*; *Thryonomys swinderianus*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Cain (2006); Clark and Plug (2008); Glenny (2006); Le Roux and Badenhorst (2016); Plug (1997d, 2004); Wadley *et al.* (2008); Wells (2006).

Silberberg Grotto (2627). Taxa: *Acinonyx jubatus*; *Australopithecus*; *Homotherium crenatidens*; *Lycyaenops silberbergi*; *Megantereon whitei*; *Panthera pardus*. References: Reynolds (2010b).

- SK400** (2941:1704). Other names: Springbok Midden. Taxa: *Antidorcas marsupialis*; *Canis*.
References: Dewar (2007); Dewar *et al.* (2006).
- Spitzkloof A Rockshelter** (2852:1705). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Bathyergus janetta*; *Canis mesomelas*; *Lepus capensis*; *Mus*; *Oreotragus oreotragus*; *Oryx gazella*; *Parotomys brantsii*; *Procapra capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*.
References: Dewar and Stewart (2012, 2016, 2017); Wadley (2015).
- Spitskop B** (2827:2748). Taxa: *Antidorcas bondi*; *Antidorcas marsupialis*; *Connochaetes gnou*; *Connochaetes taurinus*; *Damaliscus niro*; *Damaliscus pygargus*; *Equus capensis*; *Equus quagga* cf.; *Hippotragus*; *Megalotragus priscus*; *Phacochoerus africanus*; *Syncerus antiquus*; *Taurotragus oryx*. References: Brink (2005).
- Spreeuwal** (3318AA). Taxa: *Bathyergus suillus*; *Connochaetes gnou*; *Damaliscus pygargus*; *Diceros bicornis*; *Equus capensis*; *Equus quagga*; *Gerbillurus paeba*; *Hippotragus leucophaeus*; *Lepus saxatilis*; *Megalotragus priscus*; *Oryx gazella*; *Otomys saundersiae*; *Parahyaena brunnea*; *Raphicerus campestris*; *Redunca arundinum*; *Syncerus antiquus*; *Taurotragus oryx*.
References: Avery (1997); Brophy *et al.* (2014); Klein *et al.* (2007).
- Springbok Flats**. See Tuinplaas.
- Springbok Midden**. See SK400.
- Sterkfontein** (2601:2744). Taxa: *Acomys spinosissimus* cf.; *Aepyceros*; *Aethomys chrysophilus*; *Amblysomus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Antidorcas recki*; *Arvicanthis?*; *Australopithecus africanus*; *Canis antiquus*; *Canis mesomelas*; *Cercopithecoides williamsi* cf.; *Chasmaporthetes nitidula*; *Chlorotalpa sclateri*; *Chlorotalpa spelea*; *Chrysospalax villosus*; *Connochaetes gnou* cf.; *Connochaetes taurinus*; *Crocidura silacea* cf.; *Crocota crocuta*; *Cryptomys hottentotus*; *Cryptomys robertsi*; *Damaliscus pygargus* cf.; *Dasymys 'broomi'*; *Dasymys incomtus* cf.; *Dendromus melanotis*; *Dendromus mesomelas* cf.; *Dinofelis barlowi*; *Elephantulus antiquus*; *Elephantulus brachyrhynchus* cf.; *Elephantulus broomi*; *Elephantulus fuscus*; *Elephantulus intufi*; *Elephas recki*; *Equus burchellii*; *Equus capensis*; *Eurygnathohippus cornelianus*; *Gazella?*; *Georychus capensis*; *Gerbilliscus brantsii* cf.; *Gerbilliscus leucogaster* cf.; *Graphiurus*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus cookei*; *Hippotragus equinus*; *Hippotragus niger*; *Homo erectus*; *Homo gautengensis*; *Homotherium crenatidens*; *Hystrix africae australis*; *Hystrix cristata?*; *Lepus capensis*; *Lycyaenops silberbergi*; *Macroscolides proboscideus*; *'Makapania' broomi* cf.; *Malacothrix typica*; *Mastomys natalensis* sl.; *Megalotragus* cf.; *Megantereon gracile*; *Megantereon whitei*; *Metridiochoerus modestus*; *Micaelamys namaquensis* cf.; *Miniopterus natalensis*; *Mungos mungo* cf.; *Mus minutoides* cf.; *Mylomygale spiersi?*; *Myosorex cafer*; *Myosorex robinsoni*; *Myotis tricolor*; *Myotomys sloggetti*; *Mystromys albicaudatus*; *Mystromys hausleitneri*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Otomys gracilis*; *Otomys irroratus*; *Otomys saundersiae*; *Pachycrocuta brevirostris*; *Panthera leo*; *Panthera pardus*; *Papio izodi*; *Papio robinsoni*; *Papio ursinus*; *Parahyaena brunnea*; *Paranthropus robustus*; *Parapapio broomi*; *Parapapio jonesi*; *Parapapio whitei*; *Pedetes capensis*; *Pelea capreolus*; *Pelomys fallax* cf.; *Phacochoerus africanus*; *Phacochoerus antiquus*; *Proamblysomus antiquus*; *Procapra antiqua*; *Procapra capensis*; *Procapra transvaalensis*; *Pronolagus*; *Proodontomys cookei*; *Proteles*; *Raphicerus campestris*; *Redunca darti*; *Rhabdomys pumilio*; *Rhinolophus capensis* cf.; *Rhinolophus clivus* cf.; *Rhinolophus darlingi* cf.; *Saccostomus campestris*; *Steatomys pratensis*; *Suncus varilla*; *Suricata suricatta*; *Sylvicapra grimmia*; *Syncerus*; *Thallomys paedulus* cf.; *Theropithecus oswaldi*; *Tragelaphus angasii* aff.; *Tragelaphus scriptus* cf.; *Tragelaphus strepsiceros*; *Vulpes chama*; *Zelotomys woosnami* cf. References: Avery (2000, 2001); Berger *et al.* (2002); Berger and Tobias (1994); Broom (1937a, 1937b, 1939c,

1940, 1948a); Broom and Robinson (1949a); Brophy *et al.* (2014); Churcher (1970); Cooke (1947); De Graaff (1961c); De Ruiter (2004); De Ruiter *et al.* (2008b); Ewer (1958b); Freedman (1970); Kibii (2006); Lavocat (1957); McKee (1991); McKee *et al.* (1995); Moggi-Cecchi *et al.* (1998, 2006); Ogola (2009); Pocock (1969, 1987); O'Regan (2007); Reynolds (2010b); Reynolds and Kibii (2011); Reynolds *et al.* (2003, 2007); Turner (1986, 1987a, 1997); Val and Stratford (2015); Vrba (1974a).

Strathalan B (3059:2823). Taxa: *Antidorcas marsupialis*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus*; *Hippotragus*; *Oreotragus oreotragus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Taurotragus oryx*. References: Opperman (1992, 1996); Wadley (2015).

Sunnyside Pan (2839:2609). Taxa: *Connochaetes gnou*; *Connochaetes taurinus*; *Crocota crocuta*; *Damaliscus niro*. References: Brink (2005).

Swart Duinen (3000:1702). Taxa: *Bathyergus*; *Equus*; *Gerbillurus*; *Giraffa*; *Mastomys*; *Mystromys*; *Parotomys*; *Petromus*; *Pronolagus*; *Raphicerus campestris*; *Rhabdomys*; *Suricata suricatta*. References: Pickford and Senut (1997).

Swartklip (3405:1841). Other names: Zwartklip. Taxa: *Antidorcas australis*; *Aonyx capensis*; *Atilax paludinosus*; *Bathyergus suillus*; *Canis mesomelas*; *Ceratotherium simum*; *Connochaetes gnou*; *Damaliscus*; *Equus capensis*; *Equus quagga*; *Felis silvestris*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Ictonyx striatus*; *Leptailurus serval*; *Lycaon pictus*; *Mellivora capensis*; *Panthera leo*; *Panthera pardus*; *Parahyaena brunnea*; *Pelea capreolus*; *Raphicerus melanotis*; *Redunca arundinum*; *Suricata suricatta*; *Syncerus antiquus*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*. References: Brophy *et al.* (2014); Cruz-Urbe (1991); Ewer (1958c); Hendey (1968, 1969); Klein (1974b, 1975a); Klein and Cruz-Urbe (1991); Singer and Fuller (1962).

Swartkrans (2602:2743). Taxa: *Acinonyx jubatus*; *Acomys spinosissimus*; *Aepyceros melampus*; *Aethomys chrysophilus* cf.; *Antidorcas australis*; *Antidorcas bondi*; *Aonyx capensis*; *Atilax mesotes*; *Canis mesomelas*; *Caracal caracal*; *Cercopithecoides williamsi*; *Chasmaporthetes nitidula*; *Chrysospalax villosus* cf.; *Connochaetes taurinus* cf.; *Crocota crocuta*; *Cryptomys hottentotus*; *Cryptomys robertsi*; *Cynictis penicillata*; *Damaliscus niro?*; *Damaliscus pygargus* cf.; *Dasymys*; *Dendromus nyikae?*; *Dinofelis*; *Dinopithecus ingens*; *Elephantulus broomi*; *Elephantulus fuscus*; *Elephas*; *Eptesicus hottentotus* cf.; *Equus burchellii*; *Equus capensis*; *Equus quagga*; *Eurygnathohippus cornelianus*; *Felis silvestris*; *Galerella sanguinea*; *Gazella*; *Genetta tigrina*; *Gerbilliscus*; *Graphiurus*; *Herpestes ichneumon*; *Hippopotamus*; *Beatragus* cf.; *Hippotragus gigas* cf.; *Hippotragus niger* cf.; *Homo gautengensis*; *Homotherium?*; *Hyaena hyaena*; *Hystrix africae australis*; *Kobus leche* cf.; *Leptailurus serval*; *Macroselides proboscideus* cf.; 'Makapania'; *Malacothrix typica*; *Mastomys coucha*; *Megalotragus*; *Megantereon whitei*; *Mellivora capensis*; *Metridiochoerus andrewsi*; *Micaelamys namaquensis* cf.; *Mus*; *Myosorex cafer* cf.; *Myosorex robinsoni*; *Myotis tricolor*; *Mystromys albicaudatus*; *Neamblysomus gunningi* cf.; *Numidocapra porrocornutus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otocyon recki*; *Otomys gracilis*; *Otomys saundersiae* cf.; *Panthera leo*; *Panthera pardus*; *Papio robinsoni*; *Parahyaena brunnea*; *Paranthropus robustus*; *Parapapio broomi*; *Parapapio jonesi*; *Parapapio whitei*; *Pedetes*; *Pelea capreolus*; *Phacochoerus antiquus*; *Procavia transvaalensis*; *Proodontomys cookei*; *Proteles transvaalensis*; *Raphicerus campestris*; *Redunca arundinum* cf.; *Redunca darti*; *Rhabdomys pumilio*; *Rhinolophus blasii* cf.; *Rhinolophus capensis* cf.; *Smutsia*; *Steatomys pratensis*; *Suncus varilla*; *Suricata suricatta*; *Syncerus*; *Taurotragus oryx*; *Thallomys*; *Theropithecus*

- oswaldi*; *Tragelaphus angasii* aff.; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*; *Vulpes pulcher*. References: Avery (1995b, 1998, 2001); Brain (1970, 1976); Brain *et al.* (1974, 1988); Brain and Watson (1992); Brophy *et al.* (2014); Churcher (1970); De Ruiter (2003); De Ruiter *et al.* (2006); De Ruiter *et al.* (2008b); Ewer (1958b); Freedman (1970); Gommery (2008); Grine (1989, 1993, 2005); Grine and Daegling (1993); Grine and Strait (1994); Grine and Susman (1991); Hendey (1974b); McKee *et al.* (1995); Pickering *et al.* (2012); Reynolds (2010b); Susman and De Ruiter (2004); Stynder (1997); Susman *et al.* (2001); Turner (1993); Watson (1993a).
- Swartlintjies 1** (3017). Taxa: *Cryptomys*; *Equus*; *Homo*; *Loxodonta*; *Pronolagus*; *Sivatherium maurisium*. References: Pickford and Senut (1997).
- Sydney-on-Vaal** (2827:2419). Taxa: *Damaliscus*; *Elephas iolensis*; *Elephas recki*; *Equus burchellii* cf.; *Hippopotamus amphibius*; *Loxodonta africana*; *Mammuthus subplanifrons*. References: Cooke (1949a); Dart (1929b); Osborn (1942); Wells (1964).
- The Bend** (2824DA). Taxa: *Equus capensis*. References: Broom (1928); Cooke (1949a).
- Thomeng** (2742:2436). Other names: SAAN-0042, 0043. Taxa: *Hystrix*; *Lepus*; *Oreotragus*; *Procavia*. References: Berger and Brink (2001).
- Tierfontein** (2826AA). Taxa: *Sivatherium maurisium*. References: Singer and Boné (1960).
- Tim's Cave** (1747:1359). Taxa: *Lepus*; *Procavia*. References: Pickford and Senut (2010).
- Tloutle** (2928:2746). Taxa: *Damaliscus pygargus*; *Equus burchellii*; *Hystrix africaeaustralis*; *Procavia capensis*; *Redunca fulvorufula*. References: Mitchell (1993); Plug (1993d, 1997b).
- Tobias Cave** (2737:2437). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes gnou*; *Crocuta crocuta*; *Damaliscus pygargus*; *Diceros bicornis*; *Equus burchellii*; *Equus capensis*; *Homo sapiens*; *Hystrix africaeaustralis*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*. References: McKee (1994).
- Tuinplaas** (2555:2845). Other names: Springbok Flats. Taxa: *Equus capensis*; *Homo sapiens*. References: Dusseldorp *et al.* (2013); Haughton (1932a); Schepers (1941).
- Uitkomst**. See Gladysvale.
- Umhlatuzana** (2948:3045). Taxa: *Aethomys chrysophilus*; *Chlorocebus pygerythrus*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Felis silvestris*; *Grammomys dolichurus*; *Hippotragus*; *Myosorex varius*; *Otomys irroratus*; *Otomys laminatus*; *Philantomba monticola*; *Procavia capensis*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Suncus varilla*; *Syncerus caffer*; *Thryonomys*. References: Avery (1991b); Kaplan (1990).
- Usakos** (2159:1535). Taxa: *Connochaetes*; *Equus sandwithi*; *Tragelaphus*. References: Cooke (1955).
- Vanwyksfontein** (2724CD). Taxa: *Equus zebra*. References: Lundholm (1952).
- Varsche Rivier 003** (3118DA). Taxa: *Cryptomys hottentotus*; *Felis silvestris*; *Hippopotamus amphibius*; *Lepus*; *Oreotragus oreotragus*; *Raphicerus*; *Rhabdomys pumilio*. References: Steele *et al.* (2012); Wadley (2015).
- Virginia 751** (2806:2654). Taxa: *Antidorcas marsupialis*; *Megalotragus priscus*. References: Butzer (1973); De Ruiter *et al.* (2011).
- Vlakkraal Thermal Springs** (2826CC). Taxa: *Alcelaphus caama*; *Antidorcas marsupialis*; *Connochaetes taurinus* cf.; *Crocuta crocuta* cf.; *Damaliscus pygargus* cf.; *Equus (Asinus)*; *Equus burchellii*; *Equus capensis*; *Hippopotamus amphibius* cf.; *Hystrix*; *Kobus*; *Lycaon pictus* cf.; *Metridiochoerus compactus*; *Phacochoerus africanus*; *Redunca arundinum*; *Sylvicapra*

- grimmia* cf.; *Syncerus antiquus*; *Taurotragus oryx* cf.; *Vulpes chama* cf. References: Brink (1994); Cooke (1962); Hoffman (1953); Wells et al. (1942).
- Vlakplaats** (2628). Taxa: *Antidorcas recki* cf.; *Lepus* cf.; *Parmularius* cf.; *Tragelaphus scriptus* cf. References: Vrba and Panagos (1978).
- Waldeck's Plant** (2824). Taxa: *Equus burchellii* cf.; *Equus capensis*; *Equus quagga* cf.; *Hippopotamus amphibius*; *Loxodonta africana*; *Metridiochoerus modestus*; *Phacochoerus africanus*. References: Beck (1906); Cooke (1949a).
- Warrenton** (2824BB). Taxa: *Crocota crocuta*; *Equus burchellii*; *Syncerus antiquus*. References: Cooke (1949a).
- White Paintings Rock Shelter** (1825:2130). Taxa: *Ceratotherium simum*; *Crocidura hirta* cf.; *Equus capensis*; *Felis silvestris*; *Hystrix africae australis*; *Lepus*; *Megalotragus priscus*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Pedetes capensis*; *Redunca arundinum*; *Tragelaphus scriptus*. References: Robbins (1990); Robbins et al. (2000).
- Willowbank** (2824). Taxa: *Aepyceros melampus*; *Connochaetes*; *Megalotragus priscus*; *Syncerus caffer*. References: Cooke (1949a).
- Windsorton** (2824BB). Taxa: *Equus capensis*; *Kolpochoerus paiceae*. References: Broom (1931); Cooke (1949a).
- Winter's Rush** (2824). Taxa: *Equus capensis*. References: Broom (1928); Cooke (1949a).
- Witkrans Cave** (2736:2436). Taxa: *Elephantulus*; *Homo sapiens*; *Otomys gracilis*. References: Davis (1961); Dusseldorp et al. (2013); Humphreys (1978); McCrossin (1992); Meester (1961a).
- Wonderkrater** (2426:2845). Taxa: *Damaliscus*; *Equus quagga*; *Hippopotamus amphibius*; *Megalotragus priscus*; *Phacochoerus*; *Syncerus antiquus*. References: Backwell et al. (2014).
- Wonderwerk** (2751:2333). Taxa: *Acomys*; *Alcelaphus*; *Antidorcas*; *Canis mesomelas*; *Chlorotalpa sclateri*; *Chrysochloris asiatica*; *Chrysoxalax*; *Connochaetes gnou?*; *Crocidura cyanea*; *Crocidura flavescens*; *Crocidura fuscomurina*; *Crocidura hirta* cf.; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Dasymys incomtus*; *Dendromys melanotis*; *Desmodillus auricularis*; *Elephantulus myurus*; *Eptesicus hottentotus*; *Equus burchellii*; *Equus capensis*; *Eurygnathohippus*; *Gazella*; *Raphicerus campestris*; *Gerbilliscus*; *Gerbillurus paeba*; *Graphiurus microtis* cf.; *Hystrix africae australis*; *Lemniscomys rosalia*; *Lepus capensis*; *Macroselides proboscideus*; *Malacothrix typica*; *Mastomys coucha*; *Megalotragus priscus*; *Micaelamys namaquensis*; *Miniopterus natalensis*; *Mus minutoides*; *Myosorex varius*; *Mystromys albicaudatus*; *Neoromicia capensis*; *Oryx gazella*; *Otomys angoniensis*; *Papio ursinus*; *Pedetes capensis*; *Pelea capreolus* cf.; *Phacochoerus africanus*; *Procavia antiqua*; *Procavia capensis*; *Procavia transvaalensis*; *Pronolagus*; *Raphicerus*; *Rhabdomys pumilio*; *Rhinolophus capensis*; *Saccostomus campestris*; *Steatomys krebsii*; *Suncus varilla*; *Syncerus antiquus*; *Syncerus caffer*; *Tadarida aegyptiaca*; *Taurotragus oryx*; *Zelotomys woosnami*. References: Avery (1981, 1995b, 2007); Brink et al. (2015, 2016); Fernandez-Jalvo and Avery (2015); Klein (1988); Malan and Cooke (1941); Malan and Wells (1943); Thackeray (1984, 2015); Wells et al. (1942); Vrba (1973); Wadley (2015).
- X Cave** (2602:2743). Taxa: *Aepyceros melampus*; *Antidorcas bondi*; *Connochaetes*; *Hippotragus*; *Oreotragus oreotragus*; *Pelea capreolus*; *Raphicerus campestris*; *Redunca*; *Syncerus*; *Taurotragus oryx*. References: Van Zyl et al. (2016).
- Yatala 73** (2807:2646). Taxa: *Antidorcas marsupialis*; *Connochaetes gnou*. References: De Ruiter et al. (2011).
- Ysterfontein 1** (3320:1809). Taxa: *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes gnou*; *Diceros bicornis*; *Equus*; *Felis silvestris*; *Hippotragus leucophaeus*; *Hystrix*

africae australis; *Lepus*; *Mellivora capensis*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Syncerus antiquus*; *Taurotragus oryx*; *Tragelaphus strepsiceros*.
References: Avery *et al.* (2008); Halkett *et al.* (2003); Klein *et al.* (2004);
Wadley (2015).

Ysterplaai (3318CD). Taxa: *Equus capensis*. References: Cooke (1955).

Zais (2401:1608). Taxa: *Procavia capensis*. References: Cruz-Urbe and Klein
(1981–1983).

Zebrarivier (2431:1716). Taxa: *Gerbillurus paeba*; *Hipposideros vittatus*; *Oreotragus oreotragus*; *Parotomys littledalei* cf.; *Petromus typicus*; *Procavia capensis*; *Rhinolophus capensis*. References: Avery (1984b); Broom (1928); Cruz-Urbe and Klein
(1981–1983).

Zwartklip. See Swartklip.

CHAPTER 6

The Holocene

6.1 HOLOCENE MAMMALS

By the beginning of the Holocene, all taxa, apart from five species (see [Chapter 7](#)), were extant. A notable feature of the Holocene fauna is the appearance of various introduced taxa, both domestic and commensal. The domestic animals were, of course, introduced intentionally and their distribution expanded greatly as their human owners spread across the landscape. The distribution of two of the unintentionally introduced commensals indicates their arrival from the north; the roof rat *Rattus rattus* follows the route taken by Iron Age immigrants, while the house mouse *Mus musculus* almost certainly followed the same route, though there is only one record (Wadley and Turner 1987). The third taxon is the black rat *Rattus norvegicus*, which occurs only in the vicinity of Cape Town. It must have arrived from Europe on ships and seems not to have extended its range very far beyond its port of entry (Avery 1985).

ORDER: AFROSORICIDA
Suborder: Chrysochloridea
FAMILY: CHRYSOCHLORIDAE
Subfamily: Chrysochlorinae

Chlorotalpa sclateri Broom, 1907. *Ann. Mag. Nat. Hist.*, Series 7, 19: 263.

Sclater's golden mole.

Type locality: Beaufort West.

Additional references: Bronner (1995a, 1995b); Broom (1907b, 1946, 1950).



Chrysochloris asiatica Linnaeus 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 53. Cape golden mole.

Type locality: usually taken as Cape of Good Hope.

Additional references: Broom (1907b, 1909c, 1910, 1946, 1950); Petter (1981); Roberts (1919).



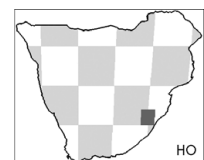
Chrysoxylax villosus Smith, 1833. *S. Afr. Quart. J.*, Series 2, 1: 81.

Rough-haired golden mole.

Synonyms: *Chrysochloris villosa*.

Type locality: near Durban.

Additional references: Broom (1909c, 1913a); Gray (1865a); Meester (1953b); Smith (1849).



Cryptochloris zyl Shortridge and Carter, 1938. *Ann. S. Afr. Mus.* 32: 284.

Van Zyl's golden mole.

Type locality: Compagnie's Drift.

Additional references: Broom (1946).



Eremitalpa granti Broom, 1907. *Ann. Mag. Nat. Hist., Series 7*, 19: 265.

Grant's golden mole.

Type locality: Garies.

Additional references: Broom (1946, 1950); Meester (1964a); Perrin and Fielden (1999); Petter (1981).



Subfamily: Amblysominae

Amblysomus hottentotus Smith, 1829. *Zool. J.* 4: 436. Hottentot golden mole.

Synonyms: *iris*.

Type locality: Grahamstown.

Additional references: Bronner (1996); Broom (1908, 1909c); Capanna *et al.* (1989); Mynhardt *et al.* (2015); Petter (1981); Roberts (1946).



ORDER: MACROSCELIDEA

FAMILY: MACROSCELIDIDAE

Subfamily: Macroscelidinae

Elephantulus Thomas and Schwann, 1906. *Abstr. Proc. Zool. Soc. Lond.* 33: 10.

Additional references: Corbet and Hanks (1968); Evans (1942); Holroyd, (2010a); Patterson (1965); Van der Horst (1944).



Elephantulus edwardii Smith, 1839. *Illustrations of the Zoology of South Africa*: pl. 14. Cape elephant shrew.

Synonyms: *Macroscelides*.

Type locality: Oliphants River.

Additional references: Roberts (1924); Smith (1849).



Elephantulus intufi Smith, 1836. *Report of the Expedition for Exploring Central Africa*: 42. Bushveld elephant shrew.

Synonyms: *Macroscelides*.

Type locality: flats beyond Kurrichaine.

Additional references: Smith (1849).



Elephantulus myurus Thomas and Schwann, 1906. *Proc. Zool. Soc. Lond.* 1906: 586. Eastern rock elephant shrew.

Type locality: Woodbush.



Elephantulus rupestris Smith, 1830. *Proc. Committee Sci. Corr. Zool. Soc. Lond.* 1: 11. Western rock elephant shrew.

Synonyms: *Macroscelides*.

Type locality: mountains near mouth of Orange River.

Additional references: Broom (1938b); Roberts (1938, 1946); Smith (1849).



Macroscelides proboscideus Shaw, 1800. *Gen. Zool. Syst. Nat. Hist.* 1(2) Mammalia: 536. Short-eared elephant shrew.

Synonyms: *typicus*.

Type locality: Roodeval.

Additional references: Roberts (1933, 1938).



ORDER: TUBULIDENTATA

FAMILY: ORYCTOPODIDAE

Orycteropus afer Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 64. Aardvark.

Type locality: Cape of Good Hope.

Additional references: Kitching (1963); Lehmann (2004, 2007); Pickford (2005b); Shoshani *et al.* (1988).



ORDER: HYRACOIDEA

FAMILY: PROCAVIIDAE

Heterohyrax brucei Gray, 1868. *Ann. Mag. Nat. Hist.*, Series 4, 1: 44. Yellow-spotted rock hyrax.

Additional references: Barry and Shoshani (2000); Thomas (1892).



Procavia Storr, 1780. *Prodromus Methodi Mammalium*: 40.

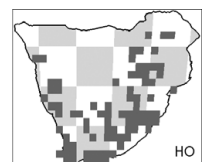


Procavia capensis Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 30. Rock hyrax.

Synonyms: *Heterohyrax*; *coombsi*; *syriacus*; *welwitschii*.

Type locality: Cape of Good Hope.

Additional references: Maswanganye *et al.* (2017); McMahon and Thackeray (1994); Thomas (1892).



ORDER: PROBOSCIDEA

FAMILY: ELEPHANTIDAE

Subfamily: Elephantinae

Loxodonta africana Blumenbach, 1797. *D. Joh. Fr. Blumenbach's Handbuch der Naturgeschichte*, 5th edition: 125. African bush elephant.

Synonyms: *Archidiskodon*; *Palaeoloxodon*; *Elephas*; *Mammuthus*; *loxodontoides*; *zulu*.

Type locality: Orange River, South Africa.

Additional references: Brook *et al.* (2014); Burmeister (1837); Dart (1929b); Sanders *et al.* (2010a); Todd (2010).


ORDER: PRIMATES
Suborder: Strepsirrhini

FAMILY: GALAGIDAE

Galago Geoffroy Saint-Hilaire, 1796. *Mag. Encyclop.* 1: 49.



Galago senegalensis Geoffroy Saint-Hilaire, 1796. *Mag. Encyclop.* 1: 38. Senegal bushbaby.

Comments: as currently understood (Wilson and Reeder (2005), the only species of *Galago* possibly occurring in the sub-region are *G. nyasae*, inland to southern Malawi and northern Mozambique, and *G. zanzibaricus*, coastally to southern Mozambique. It therefore seems unlikely that this identification is correct.



Otolemur crassicaudatus Geoffroy Saint-Hilaire, 1812. *Ann. Mus. Hist. Nat. Paris* 19: 166. Brown greater galago.

Synonyms: *Galago*.

Type locality: Quelimane.

**Suborder: Haplorrhini**

FAMILY: CERCOPITHECIDAE

Subfamily: Cercopithecinae

Cercopithecus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 26.

Additional references: Jablonsky and Frost (2010).

Comments: material originally identified as *Cercopithecus* sp. is not mapped because it may be assigned to this genus or to *Chlorocebus* as currently understood (Wilson and Reeder 2005).

Chlorocebus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 28.



Chlorocebus aethiops Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 28. Grivet.
Synonyms: *Cercopithecus*.



Chlorocebus pygerythrus Cuvier, 1821. *Hist. Nat. Mamm.* 24: 2. Vervet monkey.
Synonyms: *aethiops*.



Papio Erxleben, 1777. *Systema Regni Animalia per Classes* 1: Mammalia: xxx, 15.

Additional references: Williams *et al.* (2012).

Comments: the Holocene material should almost certainly be assigned to *P. ursinus* since this is the only species currently recognised in the sub-region (Wilson and Reeder 2005).



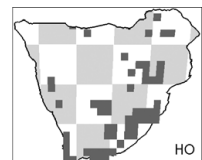
Papio ursinus Kerr, 1792. *The Animal Kingdom, or Zoological System of the Celebrated Sir Charles Linnaeus*: 63. Chacma baboon.

Synonyms: *cynocephalus*; *comatus*; *hamadryas*; *porcarius*; *rhodesiae*.

Type locality: Cape of Good Hope.

Additional references: Freedman (1954, 1965); Jablonsky and Frost (2010); Roberts (1932); Williams *et al.* (2012).

Comments: material from the Koanaka Hills in Botswana is assigned to *P. hamadryas* by Williams *et al.* (2012), probably because some authors (e.g. Singleton *et al.* 2016) consider *ursinus* to be a subspecies of *P. hamadryas*. Here, Wilson and Reeder (2005) are followed in considering *ursinus* to be a full species.



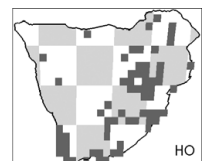
FAMILY: HOMINIDAE

Subfamily: Homininae

Homo sapiens Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 20. Modern human.

Synonyms: *capensis*; *helmei*.

Additional references: Ackermann *et al.* (2016); Beaumont *et al.* (1978); Bräuer *et al.* (1992); Bräuer and Singer (1996); Broom (1918); Churchill *et al.* (1996); Dart (1940); De Villiers (1973, 1974, 1976a, 1976b); Drennan (1937, 1953, 1955); Dreyer (1935); Galloway



(1937a, 1937b); Grine (1998, 2000, 2012); Grine *et al.* (1995, 2007, 2010); Haughton *et al.* (1917); Hughes (1990); L'Abbé *et al.* (2008); Pycraft (1925); Keith (1933); MacLatchy *et al.* (2010); Pearson and Grine (1996); Pickford and Senut (1998); Rightmire (1978, 1979b); Rightmire and Deacon (1991); Rightmire *et al.* (2006); Singer (1954); Smith *et al.* (2012); Stynder *et al.* (2001); Trinkaus *et al.* (1999).

ORDER: RODENTIA
Suborder: Sciuromorpha
 FAMILY: SCIURIDAE
 Subfamily: Xerinae

Paraxerus cepapi Smith, 1836. *Report of the Expedition for Exploring Central Africa*: 43. Smith's bush squirrel.

Synonyms: *Sciurus*.

Type locality: Marico River.

Additional references: Roberts (1932, 1946); Smith (1838, 1849).



Xerus Ehrenberg, 1833. In: Hemprich and Ehrenberg, *Symbolae Physicae, seu, Icones et Descriptiones* 1: sig. Ee, pl. 9.

Comments: there is disagreement about the authorship and dating of this series of publications. See discussion at www.zoonomen.net/mamntax/cit/jours.html.



Xerus inauris Zimmermann, 1780. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 2: 344. South African ground squirrel.

Synonyms: *Geosciurus capensis*.

Type locality: Kaffirland, 100 miles (160 km) north of Cape of Good Hope.

Additional references: Skurski and Waterman (2005).



Xerus princeps Thomas, 1929. *Proc. Zool. Soc. Lond.* 1929: 106. Damara ground squirrel.



Suborder: Myomorpha
 FAMILY: GLIRIDAE
 Subfamily: Graphiurinae

Graphiurus murinus Desmarest, 1822. *Mammalogie ou descriptions des espèces de mammifères*, Part 2 (suppl.): 542. Forest African dormouse.

Synonyms: *alticola*; *tasmani*; *woosnami*; *vandami*; *zuluensis*.

Type locality: Cape of Good Hope.

Additional references: Holden (1996); Kryštufek *et al.* (2004); Roberts (1931, 1938).



Graphiurus ocularis Smith, 1829. *Zool. J.* 4: 439. Spectacled African dormouse.

Synonyms: *Myoxus*; *capensis*.

Type locality: near Plettenberg Bay.

Additional references: De Winton (1898); Holden (1996); Smith (1849).



Graphiurus platyops Thomas, 1897. *Ann. Mag. Nat. Hist.*, Series 6, 19: 388. Flat-headed African dormouse.

Synonyms: *eastwoodae*.

Type locality: Enkeldorn.

Additional references: Holden (1996).



FAMILY: NESOMYIDAE

Subfamily: Cricetomyinae

Saccostomus Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258.

Comments: the Holocene material should almost certainly be assigned to *S. campestris* since this is the only species currently understood to occur in southern Africa (Wilson and Reeder 2005).



Saccostomus campestris Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258. Southern African pouched mouse.

Synonyms: *anderssoni*; *hildae*; *limpopoensis*; *mashonae*; *pagei*; *streeteri*.

Type locality: Tete.

Additional references: Denys (1988b); Roberts (1914).



Subfamily: Dendromurinae

Dendromus Smith, 1829. *Zool. J.* 4: 438.

Synonyms: *Poemys*.



Dendromus melanotis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 148. Grey African climbing mouse.

Synonyms: *arenarius*; *concinus*; *nigrifrons*.

Type locality: near Port Natal = Durban.

Additional references: Roberts (1931); Smith (1849).



Dendromus mesomelas Brants, 1827. *Het Geslacht der Muizen door Linnaeus Opgesteld*: 122. Brants' African climbing mouse.

Synonyms: *ayresi*; *typica*.

Type locality: Sunday's River, east of Port Elizabeth.

Additional references: Smith (1849).



Dendromus mystacalis Heuglin, 1863. *Nov. Act. Acad. Caes. Leop.-Carol.* 30(2 suppl.): 5. Chestnut African climbing mouse.



Malacothrix typica Smith, 1834. *S. Afr. Quart. J., Series 2, 2:* 148.

Large-eared African desert mouse.

Type locality: Graaff Reinet District.

Additional references: Roberts (1932).



Steatomys Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258.



Steatomys krebsii Peters, 1852. *Naturwissenschaftliche Reise nach Mossambique:* 165. Krebs's African fat mouse.

Synonyms: *chiversi*; *pentonyx*; *pratensis*.

Type locality: Kaffraria.

Additional references: Roberts (1931).



Steatomys parvus Rhoads, 1896. *Proc. Acad. Nat. Sci. Philadelphia* 48: 529. Tiny African fat mouse.

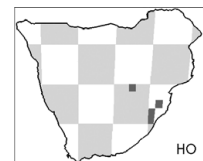


Steatomys pratensis Peters, 1846. *Bericht Verhandl. K. Preuss. Akad. Wiss. Berlin* 11: 258. Common African fat mouse.

Synonyms: *natalensis*; *opimus*.

Type locality: Tete.

Comments: material from Botswana was identified as *Steatomys opimus* but, as currently understood, this species is almost entirely confined to West Africa (Musser and Carleton 2005).



Subfamily: Mystromyinae

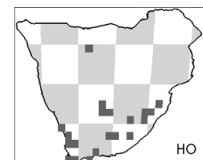
Mystromys albicaudatus Smith, 1834. *S. Afr. Quart. J., Series 2, 2:* 148.

African white-tailed rat.

Synonyms: *Otomys*; *antiquus*.

Type locality: Albany District.

Additional references: De Winton (1898); Grubb (2004); Smith (1849).



Subfamily: Petromyscinae

Petromyscus Thomas, 1926. *Ann. Mag. Nat. Hist.*, Series 9, 17: 179.
Additional references: Petter (1967).



Petromyscus collinus Thomas and Hinton, 1925. *Proc. Zool. Soc. Lond.* 1925: 237. Pygmy rock mouse.
Synonyms: *Praomys*.
Type locality: Karibib.



FAMILY: MURIDAE

Subfamily: Deomyinae

Acomys subspinosus Waterhouse, 1837. *Proc. Zool. Soc. Lond.* 1837: 104.
Cape spiny mouse.
Type locality: Cape of Good Hope.
Additional references: Dippenaar and Rautenbach (1986).



Subfamily: Gerbillinae

Desmodillus auricularis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 160.
Short-eared gerbil.
Synonyms: *Gerbillus*; *brevicaudatus*.
Type locality: Kamiesberg.
Additional references: Griffin (1990); Qumsiyeh (1986); Smith (1849).



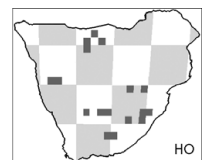
Gerbilliscus Thomas, 1897. *Proc. Zool. Soc. Lond.* 1897: 433.
Synonyms: *Gerbillus*; *Tatera*.



Gerbilliscus afra Gray, 1830. *Spicil. Zool.* 2: 10. Cape gerbil.
Synonyms: *Gerbillus*; *Meriones*; *Tatera*; *africanus*.
Type locality: vicinity of Cape Town.
Additional references: Chacornac (1999); Cuvier (1841); Davis (1949, 1965); Qumsiyeh (1986); Smith (1849); Smuts (1832).
Comments: Gray (1830) not seen. Citation according to Wilson and Reeder (2005).



Gerbilliscus brantsii Smith, 1836. *Report of the Expedition for Exploring Central Africa*: 43. Highveld gerbil.
Synonyms: *Gerbillus*; *Tatera*; *montanus*.
Type locality: Ladybrand.
Additional references: Davis (1949, 1965); Griffin (1990); Qumsiyeh (1986); Roberts (1926); Smith (1849).



Gerbilliscus leucogaster Peters, 1852. *Bericht Verhandl. K. Preuss., Akad. Wiss. Berlin* 17: 274. Bushveld gerbil.

Synonyms: *Gerbillus*; *Tatera*.

Type locality: Boror.

Additional references: Davis (1949, 1965); Griffin (1990); Qumsiyeh (1986).



Gerbillurus paeba Smith, 1836. *Report of the Expedition for Exploring Central Africa*: 43. Paeba hairy-footed gerbil.

Synonyms: *Gerbillus*; *tenuis*.

Type locality: Vryberg.

Additional references: Chacornac (1999); De Winton (1898); Griffin (1990); Perrin *et al.* (1999); Qumsiyeh (1986); Taylor (2000).



Gerbillurus vallinus Thomas, 1918. *Ann. Mag. Nat. Hist., Series 9*, 2: 148. Brush-tailed hairy-footed gerbil.

Type locality: Tuin Kenhardt.

Additional references: Dempster *et al.* (1999); Griffin (1990); Qumsiyeh (1986).



Subfamily: Murinae

Aethomys Thomas, 1915. *Ann. Mag. Nat. Hist, Series 8*, 16: 477.

Additional references: Chimimba (1997, 1998, 2005); Chimimba and Dippenaar (1994); Chimimba *et al.* (1999); Visser and Robinson (1986).

Comments: many specimens were identified as *Aethomys* sp. at a time when *Micaelamys* was not recognised as a separate genus. For this reason, distributions that rely on material not identified to species have not been mapped, pending re-identification.

Aethomys chrysophilus De Winton, 1896. *Proc. Zool. Soc. Lond.* 1896: 801. Red veld aethomys.

Additional references: Chimimba (2000); Chimimba and Dippenaar (1994); Roberts (1926, 1946).

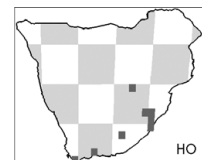


Dasymys incomtus Sundevall, 1846. *Ofv. K. Svenska Vet.-Akad. Forhandl.* 3: 120. Common dasymys.

Type locality: Durban.

Additional references: Gordon (1991); Mullin *et al.* (2004).

Comments: much of the material identified as *D. incomtus* was identified at a time when this species was the only one recognised in southern Africa. For this reason, this material should be considered as *D. incomtus sensu lato* until such time as it is re-examined.



Grammomys cometes Thomas and Wroughton, 1908. *Proc. Zool. Soc. Lond.* 1908: 549. Mozambique grammomys.

Synonyms: *Thamnomys*; *silindensis*.

Type locality: Inhambane.

Additional references: Kryštufek *et al.* (2008).



Grammomys dolichurus Smuts, 1832. *Dissertation Zoologica, Enumerationem Mammalium Capensium*: 38. Common grammomys.

Synonyms: *Thamnomys*.

Type locality: near Cape Town.

Additional references: Roberts (1931).



Lemniscomys rosalia Thomas, 1904. *Ann. Mag. Nat. Hist.*, Series 7, 13: 414. Single-striped lemniscomys.

Synonyms: *dorsalis*; *griselda*.

Additional references: Smith (1849).



Mastomys Thomas, 1915. *Ann. Mag. Nat. Hist.*, Series 8, 16: 477.

Synonyms: *Praomys*.

Additional references: Britton-Davidian *et al.* (1995); Granjon *et al.* (1997); Grubb (2004); Taylor (2000).



Mastomys coucha Smith, 1834. *Report of the Expedition for Exploring Central Africa*: 43. Southern African mastomys.

Synonyms: *Praomys*; *natalensis*.

Type locality: between Orange River and Tropic of Capricorn.

Additional references: Bronner *et al.* (2007); Dippenaar *et al.* (1993); Smit and Van der Bank (2001).

Comments: this material was originally identified as *M. natalensis* at a time when *M. coucha* was not recognised as a separate species.



Mastomys natalensis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 146. Natal mastomys.

Synonyms: *Praomys*.

Type locality: Port Natal = Durban.

Additional references: Bronner *et al.* (2007); Dippenaar *et al.* (1993); Green *et al.* (1980); Smit and Van der Bank (2001); Smith (1849).

Comments: see comment under *M. coucha* above.

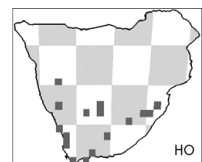


Micaelamys namaquensis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 160. Namaqua micaelamys.

Synonyms: *Aethomys*; *lehocla*.

Type locality: Cape of Good Hope, restricted to Witwater.

Additional references: Chimimba (2001); Chimimba and Dippenaar (1994); Roberts (1926, 1946); Russo (2009); Smith (1849); Visser and Robinson (1986).



Mus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 59.
Additional references: Britton-Davidian *et al.* (2012); Veyrunes *et al.* (2005).



Mus indutus Thomas, 1910. *Ann. Mag. Nat. Hist*, Series 8, 5: 89. Desert pygmy mouse.

Synonyms: *Leggada*.

Type locality: Molopo River, west of Morokwen.

Additional references: Britton-Davidian *et al.* (2012).

Comments: there is no agreement on differences between *M. indutus* and *M. minutoides*, but it is possible that both species are present at Wonderwork (Avery, unpublished).



Mus minutoides Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 147. Southern African pygmy mouse.

Synonyms: *Leggada*.

Type locality: Cape Town.

Additional references: Britton-Davidian *et al.* (2012).

Comments: some of the specimens from the more arid areas may be *M. indutus*, but see comment under that species.



Mus musculus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 62. House mouse.

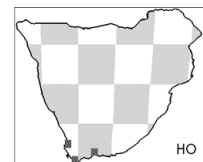


Myomyscus verreauxii Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 146. Verreaux's white-footed rat.

Synonyms: *Praomys*; *Myomys*; *colonus*.

Type locality: near Cape Town.

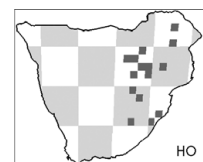
Additional references: Grubb (2004); Smith (1849).



Rattus norvegicus Berkenhout, 1769. *Outlines of the Natural History of Great Britain and Ireland* 1: 5. Brown rat.



Rattus rattus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 61. Roof rat.



Rhodomys Thomas, 1916. *Ann. Mag. Nat. Hist.*, Series 8, 18: 69.



Rhodomys dilectus De Winton, 1896. *Proc. Zool. Soc. Lond.* 1896: 803.

Mesic four-striped grass rat.

Type locality: Mazoe.

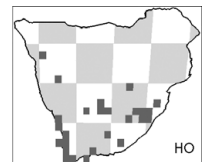
Comments: *Rhodomys dilectus* is again regarded (Wilson and Reeder 2005) as a separate species from *R. pumilio*, but at the time that most of the fossil material was identified only *R. pumilio* was recognised as a full species. No fossil material has yet been identified as *R. dilectus*, but see comments under *R. pumilio* below.

Rhodomys pumilio Sparrman, 1784. *K. Svenska Vet.-Akad. Handl.* 5: 236. Xeric four-striped grass rat.

Type locality: Slangrivier, east of Knysna.

Additional references: Castiglia *et al.* (2012); Le Grange *et al.* (2015); Roberts (1946); Smith (1849); Wroughton (1905).

Comments: samples recorded here should be regarded as belonging to *Rhodomys pumilio sensu lato* and are very likely to include some material that would currently be regarded as *R. dilectus*.



Thallomys Thomas, 1920. *Ann. Mag. Nat. Hist.*, Series 9, 5: 141.



Thallomys paedulcus Sundevall, 1846. *Ofv. K. Svenska Vet.-Akad. Forhandl.* 3: 120. Acacia thallomys.

Type locality: provisionally fixed as Crocodile Drift, Brits.

Additional references: Taylor (2000); Taylor *et al.* (1995).

Comments: this material was identified as *T. paedulcus* at a time when only the one species was recognised, but some would now almost certainly be identified as *T. nigricauda*.



Zelotomys woosnami Schwann, 1906. *Proc. Zool. Soc. Lond.* 1906: 108.

Woosnam's zelotomys.

Type locality: Molopo River.



Subfamily: Otomyinae

Myotomys sloggetti Thomas, 1902. *Ann. Mag. Nat. Hist.*, Series 7, 10: 311. Rock karoo rat.

Synonyms: *Otomys*.

Type locality: Deelfontein.

Additional references: Taylor *et al.* (2004).



Myotomys unisulcatus Cuvier, 1829. In: Geoffroy Saint-Hilaire and Cuvier *Histoire Naturelle des Mammifères*, 6 LX: *Otomys caffre*. Bush karoo rat.

Synonyms: *Euryotis*; *Otomys*.

Type locality: Matjiesfontein.

Additional references: Edwards (2009); Edwards *et al.* (2011); Smith (1849); Taylor *et al.* (1989, 2004).



Otomys angoniensis Wroughton, 1906. *Ann. Mag. Nat. Hist.*, Series 7, 18: 274. Angoni vlei rat.

Additional references: Bronner and Meester (1988); Taylor *et al.* (2004).



Otomys irroratus Brants, 1827. *Het Geslacht der Muizen door Linnaeus Opgesteld*: 94. Southern African vlei rat.

Synonyms: *Euryotis*; *Mus*.

Type locality: Cape Town District.

Additional references: Bronner *et al.* (1988); Engelbrecht *et al.* (2011); Smith (1849); Taylor (2000); Taylor *et al.* (1989, 2009).



Otomys laminatus Thomas and Schwann, 1905. *Abstr. Proc. Zool. Soc. Lond.* 18: 23. KwaZulu vlei rat.

Type locality: Sibudeni.

Additional references: Roberts (1919, 1932).

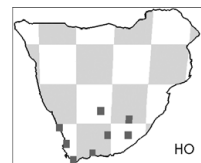


Otomys saundersiae Roberts, 1929. *Ann. Transvaal Mus.* 13: 114. Saunders' vlei rat.

Synonyms: *karoensis*.

Type locality: Grahamstown.

Additional references: Roberts (1931); Taylor *et al.* (1993, 2009).



Parotomys brantsii Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 150. Brants' whistling rat.

Synonyms: *Euryotis*.

Type locality: 'toward the mouth of the Orange River'.

Additional references: Rookmaker and Meester (1988); Smith (1849); Taylor *et al.* (1989, 2004).



Parotomys littledalei Thomas, 1918. *Ann. Mag. Nat. Hist.*, Series 9, 2: 205. Littledale's whistling rat.

Type locality: Tuin Kenhardt.

Additional references: Roberts (1933); Taylor *et al.* (1989, 2004).



Suborder: Anomaluromorpha

FAMILY: PEDETIDAE

Pedetes capensis Forster, 1778. *K. Svenska Vet.-Akad., Handl.* 39: 109.

South African spring hare.

Type locality: Cape of Good Hope.

Additional references: Roberts (1946).

**Suborder: Hystricomorpha**

FAMILY: BATHYERGIDAE

Subfamily: Bathyerginae

Bathyergus janetta Thomas and Schwann, 1904. *Abstr. Proc. Zool. Soc.**Lond.* 2: 6. Namaqua dune mole-rat.

Type locality: Port Nolloth.

Additional references: Thomas and Schwann (1904b).

*Bathyergus suillus* Schreber, 1782. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 4: 714. Cape dune mole-rat.

Type locality: Cape of Good Hope.

Comments: volume 4 was published in 1792 according to the version

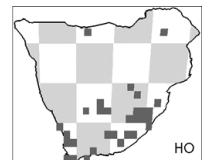
reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135004#page/137/mode/1up; accessed 19 May 2017) and 'Der Sandmoll' is discussed on pp. 715–716, not 714, and *Mus suillus* is listed on p. 932. Plate 204B appears in an undated volume containing plates 166–280 (www.biodiversitylibrary.org/item/97330#page/125/mode/1up). Bennett *et al.* (2009) give the reference for this species as Schreber, J.C.D. 1782. *Die Säugthiere in Abbildungen nach der Natur, mit Beschreibungen. Supplementband III [Dritte Abtheilung: Die Beutelhthiere und Rage]*. Wolfgang Walther, Erlangen, Germany. This publication was not seen.

*Cryptomys* Gray, 1864. *Proc. Zool. Soc. Lond.* 1864: 124.Additional references: De Graaff (1965); Faulkes *et al.* (2004); Ingram *et al.* (2004); Kock *et al.* (2006); Thomas (1917).Comments: some specimens previously identified as *Cryptomys* sp. may be referable to *Fukomys* sp. as currently understood.*Cryptomys hottentotus* Lesson, 1826. *Zool.* 1: 166. Southern African mole-rat.

Type locality: near Paarl.

Additional references: Avery (2004); Denys (1988a); Roberts (1913, 1946).

Comments: it is possible that some of the material may be referable to *Fukomys damarensis*, which was not recognised as a separate species when many of the samples were identified.



Fukomys damarensis Ogilby, 1838. *Proc. Zool. Soc. Lond.* 1838: 5.

Damara mole-rat.

Synonyms: *Cryptomys*.

Type locality: Damaraland.

Additional references: Aguilar (1993); Faulkes *et al.* (1997, 2004); Ingram *et al.* (2004); Kock *et al.* (2006).



Georychus capensis Pallas, 1778. *Njova. Spec. Quad. Glir. Ord.* 76: 172.

Cape mole-rat.

Type locality: Cape of Good Hope.

Additional references: Bennett *et al.* (2006, 2016).

Comments: the Holocene occurrence in 2032 may be considered unlikely: this taxon is currently endemic to South Africa (Maree *et al.* 2017), whereas *Cryptomys hottentotus* occurs in southern Zimbabwe (Maree and Faulkes 2016).



FAMILY: HYSTRICIDAE

Subfamily: Hystricinae

Hystrix Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 56.

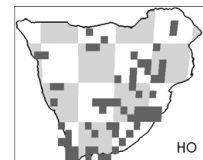
Additional references: Maguire (1976).

Comments: it is probable that this material should be assigned to *H. africae australis* according to current taxonomy.



Hystrix africae australis Peters, 1852. *Naturwissenschaftliche Reise nach Mossambique*: 170. Cape porcupine.

Additional references: Maguire (1976).



FAMILY: PETROMURIDAE

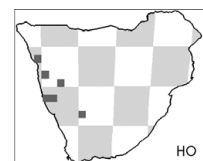
Petromus Smith, 1831. *S. Afr. Quart. J.* 1(5): 10.



Petromus typicus Smith, 1831. *S. Afr. Quart. J.* 1(5): 11. Dassie rat.

Type locality: 'Mountains towards mouth of Orange River'.

Additional references: Roberts (1938, 1946); Smith (1849).



FAMILY THRYONOMYIDAE

Thryonomys Fitzinger, 1867. *Sitzb. Akad. Wiss. Wein* 56(1): 141.



Thryonomys gregorianus Thomas, 1894. *Ann. Mag. Nat. Hist., Series 6*, 13: 202. Lesser cane rat.

Additional references: Van der Merwe (2007).



Thryonomys swinderianus Temminck, 1827. *Monographies de Mammalogie* 1: 248. Greater cane rat.

Additional references: Van der Merwe (2007).



ORDER: LAGOMORPHA

FAMILY: LEPORIDAE

Bunolagus monticularis Thomas, 1903. *Ann. Mag. Nat. Hist., Series 7*, 11: 78. Riverine rabbit.

Synonyms: *Lepus*.

Type locality: Deelfontein.

Additional references: Robinson and Dippenaar (1987); Robinson and Matthee (2005); Robinson and Skinner (1983).



Lepus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 57.

Additional references: Robinson and Dippenaar (1987); Robinson and Matthee (2005).



Lepus capensis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 58. Cape hare.

Type locality: Cape of Good Hope.

Additional references: Roberts (1932).



Lepus saxatilis Cuvier, 1823. *Dict. Sci. Nat.* 26: 309. Scrub hare.

Type locality: 'à trois journées au nord du cap de Bonne-Espérance' (north of Cape of Good Hope).

Additional references: Kolbe (1948); Roberts (1932); Robinson and Dippenaar (1983).



Oryctolagus cuniculus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 58. European rabbit.



Pronolagus Lyon, 1904. *Smithson. Misc. Coll.* 45: 416.
Additional references: Robinson and Matthee (2005).



†*Pronolagus intermedius* Jameson, 1909. *Ann. Transvaal Mus.* 1: 195.
Type locality: Godwan River.



Pronolagus randensis Jameson, 1907. *Ann. Mag. Nat. Hist., Series 7*, 20: 404. Jameson's red rock hare.
Type locality: 'Observatory Kopje Johannesburg'.



Pronolagus rupestris Smith, 1834. *S. Afr. Quart. J., Series 2*, 2: 174.
Smith's red rock hare.
Synonyms: *crassicaudatus*.
Type locality: probably Van Rhynsdorp District.
Additional references: Roberts (1938).



ORDER: ERINACEOMORPHA

FAMILY: ERINACEIDAE

Subfamily: Erinaceinae

Atelerix frontalis Smith, 1831. *S. Afr. Quart. J.* 1(5): 10, 29. Southern African hedgehog.

Synonyms: *Erinaceus capensis*.

Type locality: northern parts of the Graaff Reinet district.

Additional references: Smith (1830, 1838, 1849).



ORDER: SORICOMORPHA

FAMILY: SORICIDAE

Subfamily: Crocidurinae

Crocidura Wagler, 1832. *Isis von Oken*: 275.

Additional references: Butler *et al.* (1989); Jenkins *et al.* (1998); Meester (1953a, 1961b, 1963); Meester *et al.* (1985).



Crocidura cyanea Duvernoy, 1838. *Mem. Soc. Hist. Nat. Strasbourg* 2: 2.
 Reddish-grey musk shrew.
 Type locality: Citrusdal *vide* Shortridge (1942: 27).



Crocidura flavescens Geoffroy Saint-Hilaire, 1827. *Dict. Class. Hist. Nat.*
 11: 324. Greater red musk shrew.
 Synonyms: *Sorex*; *capensis*.
 Type locality: King William's Town.
 Additional references: Smith (1849).



Crocidura fuscomurina Heuglin, 1865. *Nov. Act. Acad. Caes. Leop.-Carol.*
 32: 36. Bicolored musk shrew.
 Synonyms: *bicolor*.
 Additional references: Hutterer (1983).



Crocidura hirta Peters, 1852. *Naturwissenschaftliche Reise nach
 Mossambique*: 78. Lesser red musk shrew.
 Type locality: Tete.



Crocidura mariquensis Smith, 1844. *Illustrations of the Zoology of South
 Africa*: pl. 44, fig. 1. Swamp musk shrew.
 Synonyms: *Sorex*.
 Type locality: near Marico River.
 Additional references: Dippenaar (1977, 1979); Meester (1964b); Smith
 (1849).



Comments: citation as given in Wilson and Reeder (2005). There is clearly considerable uncertainty surrounding the publication dates of Smith's *Illustrations of South African Zoology* (Low and Evenhuis 2014).

Suncus Ehrenberg, 1832. In Hemprich and Ehrenberg, *Symbolae
 Physicae, seu, Icones et Descriptiones* 2: k.
 Additional references: Jenkins *et al.* (1998); Meester (1953a); Meester and
 Lambrechts (1971); Meester and Meyer (1972); Quérouil *et al.* (2001).
 Comments: there is disagreement about the authorship and dating of this
 series of publications. See discussion at [www.zoonomen.net/
 mammtax/cit/jours.html](http://www.zoonomen.net/mammtax/cit/jours.html).



Suncus infinitesimus Heller, 1912. *Smithson. Misc. Coll.* 60(12): 5. Least
 dwarf shrew.



Suncus lixus Thomas, 1897. *Proc. Zool. Soc. Lond.* 1897: 930. Greater dwarf shrew.
Synonyms: *Crocidura*.



Suncus varilla Thomas, 1895. *Ann. Mag. Nat. Hist., Series 6*, 16: 54.
Lesser dwarf shrew.
Type locality: East London.
Additional references: Roberts (1946).

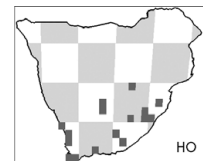


Subfamily: Myosoricinae

Myosorex Gray, 1837. *Proc. Zool. Soc. Lond.* 1837: 124.
Additional references: Matthews and Stynder (2011b); Meester (1953a, 1958); Willows-Munro and Matthee (2009); Qu erouil *et al.* (2001).



Myosorex varius Smuts, 1832. *Dissertation Zoologica, Enumerationem Mammalium Capensium*: 108. Forest shrew.
Synonyms: *Sorex*.
Type locality: Algoa Bay: Port Elizabeth.
Additional references: Roberts (1924); Smith (1849).



ORDER: CHIROPTERA Suborder: Microchiroptera FAMILY: RHINOLOPHIDAE

Rhinolophus capensis Lichtenstein, 1823. *Verzeichniss der Doubletten des zoologischen Museums der K nigl. Universit t zu Berlin*: 4. Cape horseshoe bat.
Type locality: Cape of Good Hope.



Rhinolophus clivus Cretzschmar, 1826. In: R ppell, *Atlas zu der Reise im n rdlichen Afrika Zoologie*: 47. Geoffroy Saint-Hilaire's horseshoe bat.
Synonyms: *geoffroyi*.



Rhinolophus darlingi Andersen, 1905. *Ann. Mag. Nat. Hist., Series 7*, 15: 70. Darling's horseshoe bat.
Type locality: Mazoe.



Rhinolophus fumigatus Rüppell, 1842. *Mus. Senckenbergianum* 3(2): 132. Rüppell's horseshoe bat.



Rhinolophus simulator Andersen, 1904. *Ann. Mag. Nat. Hist., Series 7*, 14: 384. Bushveld horseshoe bat.
Type locality: Mazoe.



FAMILY: NYCTERIDAE

Nycteris thebaica Geoffroy Saint-Hilaire, 1818. *Description des Mammifères qui se trouvent en Egypte* 2: 119. Egyptian slit-faced bat.
Additional references: Gray *et al.* (1999).



FAMILY: MOLOSSIDAE

Subfamily: Molossinae

Tadarida aegyptiaca Geoffroy Saint-Hilaire, 1818. *Description des Mammifères qui se trouvent en Egypte* 2: 128. Egyptian free-tailed bat.



FAMILY: VESPERTILIONIDAE

Subfamily: Vespertilioninae

Eptesicus Rafinesque, 1820. *Ann. Nature* 1: 2.

Comments: distribution of material assigned only to genus has been disregarded because it may well belong to *Neoromicia* as presently understood.

Eptesicus hottentotus Smith, 1833. *S. Afr. Quart. J., Series 2*, 1: 59.

Long-tailed serotine.

Type locality: Uitenhage.

Additional references: Hill and Harrison (1987); Kearney *et al.* (2002).



Neoromicia capensis Smith, 1829. *Zool. J.* 4: 435. Cape serotine.

Additional references: Riccucci and Lanza (2008).



Scotophilus nigrita Schreber, 1775. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 1: 171. Giant house bat.

Synonyms: *dinganii*.

Additional references: Robbins (1978); Robbins *et al.* (1985).

Comments: volume 1 was published in 1775 (not 1774) according to the version obtained from the University of Heidelberg (<http://digi.ub.uni-heidelberg.de/schreber1875textbd>) and *Vespertilio nigrita* is listed on p. 190. Plate 58 appears in an undated volume containing plates 1–80 (www.biodiversitylibrary.org/item/97331#page/279/mode/1up).



Subfamily: Myotinae

Myotis tricolor Temminck, 1832. In: Smuts, *Dissertation Zoologica, Enumerationem Mammalium Capensium*: 106. Temminck's myotis.

Type locality: Cape Town.

Additional references: Kearney *et al.* (2002).



Subfamily: Miniopterinae

Miniopterus Bonaparte, 1837. *Iconografia della Fauna Italica* 1: fasc. 20.

Additional references: Miller-Butterworth *et al.* (2007).



Miniopterus schreibersii Kuhl, 1817. *Die Deutschen Fledermäuse*: 14.

Schreibers' long-fingered bat.

Additional references: Miller-Butterworth *et al.* (2005); Smith (1849).

Comments: some of the material would perhaps now be assigned to *Miniopterus natalensis*, which was previously considered to be a subspecies of *M. schreibersii*.



Kervoula argentata Tomes, 1861. *Proc. Zool. Soc. Lond.* 1861: 32.

Damara woolly bat.

Type locality: Otjoro.



ORDER: PHOLIDOTA

FAMILY: MANIDAE

Subfamily: Smutsiinae

Smutsia Gray, 1865. *Proc. Zool. Soc. Lond.* 1865: 360.

Synonyms: *Manis*.

Additional references: Gaudin *et al.* (2009).



Smutsia temminckii Smuts, 1832. *Dissertation Zoologica, Enumerationem Mammalium Capensium*: 54. Ground pangolin.
Synonyms: *Manis*.

Type locality: Latakou = Litakun.

Additional references: Gaudin (2010); Gaudin *et al.* (2009); Gray (1865b); Smith (1849); Sundevall (1842).



ORDER: CARNIVORA

Suborder: Feliformia

FAMILY: FELIDAE

Subfamily: Felinae

Acinonyx jubatus Schreber, 1775. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 2(14): pl. 105 [1775], also see text 3 (22): 392 [1777]. Cheetah.

Type locality: Cape of Good Hope.

Additional references: Krausman and Morales (2005).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/120/mode/1up) and *Felis jubata* is listed on p. 586. Plate 105 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/107/mode/1up).



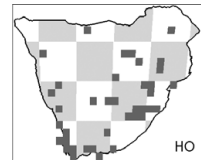
Caracal caracal Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(16): pl. 110 [1776], see also text 3(24): 413, 587 [1777]. Caracal.

Synonyms: *Felis*.

Type locality: Table Mountain, near Cape Town.

Additional references: Roberts (1926); Werdelin and Peigné (2010).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/141/mode/1up) and *Felis caracal* is listed on p. 587. Plate 110 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/131/mode/1up).



Felis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 41.

Comments: material identified as *Felis* sp. has not been mapped because, in many cases, this identification included what are currently ascribed to other genera such as *Leptailurus* and *Caracal*.

Felis nigripes Burchell, 1824. *Travels in the Interior of Southern Africa* 2: 592. Black-footed cat.

Type locality: implied country of the 'Bachapins', presumably in the capital Litākun = Letārkoon.

Additional references: Roberts (1926); Renard *et al.* (2015).



Felis silvestris Schreber, 1777. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(23): 397. Wild cat.

Synonyms: *libyca*.

Additional references: Grubb (2004).

Comments: volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/125/mode/1up) and *Felis catus* is listed on p. 587. Plate 107 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/115/mode/1up).



Leptailurus serval Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(16): pl. 108 [1776], see also text 3 (23): 407 [1777]. Serval.

Synonyms: *Felis*; *spelaeus*.

Type locality: restricted to the 'Cape region of South Africa'

Additional references: Werdelin and Peigné (2010).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/135/mode/1up) and *Felis serval* is listed on p. 587. Plate 107 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/125/mode/1up).



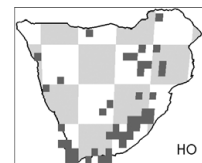
Subfamily: Pantherinae

Panthera leo Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 41. Lion.

Additional references: Haas *et al.* (2005); Lacruz (2009).



Panthera pardus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 41. Leopard



FAMILY: HERPESTIDAE

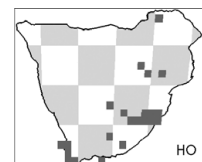
Atilax paludinosus Cuvier, 1829. *Regnum animale in classes IX.*

Distributum, sive Synopsis Methodica, Nouvelle Édition. 1: 158. Marsh mongoose.

Synonyms: *Herpestes*.

Type locality: Cape of Good Hope.

Additional references: Baker (1992); Cuvier (1824).



Cynictis Ogilby, 1833. *Proc. Zool. Soc. Lond.* 1833: 48.



Cynictis penicillata Cuvier, 1829. *Le Règne Animal distribué d'après son Organisation*, Nouvelle Édition 1: 158. Yellow mongoose.

Synonyms: *lepturus*; *ogilbyii*.

Type locality: restricted to 'Uitenhage, CP'.

Additional references: Ewer (1956a, 1957a); Lundholm (1954); Roberts (1932); Smith (1849); Taylor and Meester (1993).



Galerella Gray, 1864. *Proc. Zool. Soc. Lond.* 1864: 564.

Additional references: Werdelin and Peigné (2010).



Galerella pulverulenta Wagner, 1839. *Gelehrte. Anz. I. K. Bayer. Akad. Wiss. München* 9: 426. Cape grey mongoose.

Type locality: Cape of Good Hope.

Additional references: Cavallini (1992); Lynch (1981).



Galerella sanguinea Rüppell, 1835. *Neue Wirbelthiere zu der Fauna von Abyssinien gehörig*. 1: 27. Slender mongoose.

Synonyms: *Herpestes sanguineus*; *punctulatus*.

Additional references: Gray (1849); Roberts (1932); Taylor (1975).



Herpestes Illiger, 1811. *Prodromus Systematis Mammalium et Avium*: 135.

Additional references: Hendeby (1973a); Werdelin and Peigné (2010).

Comments: this genus has not been mapped because material was identified at a time when *Galerella*, as currently understood, was not recognised as a separate genus.

Herpestes ichneumon Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 43. Egyptian mongoose.

Synonyms: *Ichneumon ratlamuchi*; *Herpestes badius*.

Additional references: Smith (1838, 1849).



Ichneumia albicauda Cuvier, 1829. *Le Règne Animal distribué d'après son Organisation*, Nouvelle Édition, 1: 158. White-tailed mongoose.

Additional references: Geoffroy Saint-Hilaire (1837); Taylor (1972).



Mungos mungo Gmelin, 1788. In: *Linnaeus, C. Systema Naturae* 1, 13th edition, 1: 84. Banded mongoose.
Type locality: believed to be eastern part of South Africa, (former) Cape Province.



Rhynchogale melleri Gray, 1864. *Proc. Zool. Soc. Lond.* 1864: 575.
Meller's mongoose.



Suricata suricatta Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen*: pl. 117 [1776]. Meerkat.
Type locality: restricted to 'Deelfontein'.
Additional references: Van Staaden (1994).



Comments: citation according to Wilson and Reeder (2005). Version of text volume 3 at www.biodiversitylibrary.org/item/135003#page/5/mode/1up is dated 1778, while volume in which the plate appears is undated (www.biodiversitylibrary.org/item/97341#page/1/mode/1up).

FAMILY: HYAENIDAE

Subfamily: Hyaeninae

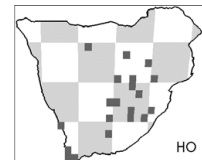
Crocuta crocuta Erxleben, 1777. *Systema Regni Animalia per Classes* 1: 578. Spotted hyaena.
Synonyms: *spelaea*.
Additional references: Broom (1939c); Turner (1984).



Hyaena Brisson, 1762. *Regnum animale in classes IX. Distributum, sive Synopsis Methodica*, 2nd edition: 168.
Comments: this material may well be *Parahyaena* as presently understood.



Parahyaena brunnea Thunberg, 1820. *K. Svenska Vet.-Akad. Handl.* 8: 59. Brown hyaena.
Synonyms: *Hyaena*.
Type locality: Cape of Good Hope.
Additional references: Grubb (2004); Hendey (1973a); Mills (1982); Werdelin and Peigné (2010).



Subfamily: Protelinae

Proteles cristata Sparrman, 1783. *Resa Goda-Hopps-Udden, Soedra Polkretsens Och Omkring Jordklotet* 1: 581. Aardwolf.
Synonyms: *cristatus*; *landii*.
Type locality: listed as 'Near Little Fish River, Somerset East'.



FAMILY: VIVERRIDAE
Subfamily: Viverrinae

Civettictis civetta Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(16): pl. 111 [1776]; see also text 3(24): 418, 3: index, p. 587 [1777]. African civet.

Synonyms: *Viverra*.

Additional references: Ray (1995).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/146/mode/1up) and *Viverra civetta* is listed on p. 587. Plate 111 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/137/mode/1up).



Genetta Cuvier, 1817. *Le Règne Animal distribué d'après son Organisation* 1: 156.

Additional references: De Meneses Cabral (1966); Gaubert *et al.* (2005).



Genetta genetta Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 45. Common genet.

Additional references: Gaubert *et al.* (2005); Larivière and Calzada (2001).



Genetta maculata Gray, 1830. *Spicil. Zool.* 2: 9. Rusty-spotted genet.

Additional references: Crawford-Cabral and Fernandes (2001); Gaubert *et al.* (2003a, 2003b, 2005); Grubb (2004); Koehler and Richardson (1990).



Genetta tigrina Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(17): pl. 114 [1776]; see also text 3(25): 425 [1777]. Cape genet.

Type locality: Cape of Good Hope.

Additional references: Gaubert *et al.* (2005); Grubb (2004).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/153/mode/1up) and *Viverra tigrina* is listed on p. 587. Plate 114 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/147/mode/1up).



Suborder: Caniformia

FAMILY: CANIDAE

Subfamily: Caninae

Canis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 38.

Additional references: Werdelin and Peigné (2010).



Canis adustus Sundevall, 1846. *Ofv. K. Svenska Vet.-Akad. Forhandl.* 3: 121. Side-striped jackal.

Type locality: 'Magaliesberg'.



Canis lupus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 39. Wolf (including domestic dog).

Synonyms: *familiaris*.



Canis mesomelas Schreber, 1775. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 2(14): pl. 95 [1775], text 3 (21): 370 [1776], 586 [1777]. Black-backed jackal.

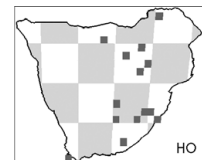
Type locality: Cape of Good Hope.

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/98/mode/1up) and *Canis mesomelas* is listed on p. 586. Plate 95 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/57/mode/1up).



Lycaon pictus Temminck, 1820. *Ann. Gen. Sci. Phys.* 3: 46, pl. 35. African wild dog.

Type locality: 'á la côte de Mosambique'.



Otocyon megalotis Desmarest, 1822. *Mammalogie ou descriptions des espèces de mammifères*, Part 2 (suppl.): 538. Bat-eared fox.

Type locality: Cape of Good Hope.

Additional references: Clark (2005).



Vulpes chama Smith, 1833. *S. Afr. Quart. J.*, Series 2, 2: 89. Cape fox.
Type locality: fixed as 'Port Nolloth'.



FAMILY: MUSTELIDAE

Subfamily: Lutrinae

Anonyx capensis Schinz, 1821. In: Cuvier, *Das Thierreich eingetheilt nach dem Bau der Thiere* 1: 211. African clawless otter.

Synonyms: *robustus*.

Type locality: (former) Cape Province.

Additional references: Brink (1987); Dreyer and Lyle (1931); Ewer (1958c); Larivière (2001a).



Hydrictis maculicollis Lichtenstein, 1835. *Arch. Naturgesch.* 1: 89.

Spotted-necked otter.

Synonyms: *Lutra*.

Type locality: 'Kafferlandes am östlichen Abhange der Bambusberge'.



Subfamily: Mustelinae

Ictonyx Kaup, 1835. *Das Thierreich in seinen Hauptformen* 1: 352.

Type locality: fixed as 'Cape of Good Hope'.



Ictonyx striatus Perry, 1811. *Arcana, or, the Museum of Natural History: Containing the Most Recent Discovered Objects*, Signature Y: Fig. 41 [1810]. Striped polecat.

Type locality: fixed as 'Cape of Good Hope'.

Additional references: Larivière (2002); Roberts (1932).



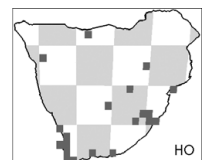
Mellivora capensis Schreber, 1776. *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 3(18): pl. 125 [1776], see also text 3 (26): 450 [1777]. Honey badger.

Synonyms: *sivalensis*.

Type locality: Cape of Good Hope.

Additional references: O'Regan *et al.* (2013).

Comments: citation according to Wilson and Reeder (2005). Volume 3 was published in 1778 according to the version reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/135003#page/178/mode/1up) and *Viverra capensis* is listed on p. 588. Plate 125 appears in an undated volume containing plates 81–165 (www.biodiversitylibrary.org/item/97341#page/191/mode/1up).



ORDER: PERISSODACTYLA**FAMILY: EQUIDAE**

Equus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 73. Additional references: Brink (1994); Eisenmann and Baylac (2000); Thackeray (2010); Wells (1959a).



Equus asinus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 73. Ass (including donkey).



Equus burchellii Gray, 1824. *Zool. J.* 1: 247. Burchell's zebra.

Synonyms: *lylei*; *platyconus*; *simplicissimus*.

Type locality: now identified as Little Klipbolikhonni Fontein.

Additional references: Churcher (1970); Churcher and Watson (1993); Grubb (1981); Mendrez (1966); Reynolds and Bishop (2006); Van Hoepen (1930a).



Equus caballus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 73. Horse (domestic horse).



†*Equus capensis* Broom, 1909. *Ann. S. Afr. Mus.* 7: 281.

Synonyms: *Kolpohippus*; *cawoodi*; *fowleri?*; *gigas?*; *harrisi*; *helmei*; *kuhni*; *plicatus*; *poweri*; *zietsmani*.

Type locality: Ysterplaat.



†*Equus quagga* Boddaert, 1785. *Elenchus Animalium* 1: 160. Quagga.

Type locality: locality of paralectotype now identified as Seekoei River.

Additional references: Bernor *et al.* (2010); Churcher (1970); Eisenmann and Brink (2000); Haughton (1932a); Klein and Cruz-Urbe (1999); Lundholm (1951).

Comments: the version of this book reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/89677#page/71mode/1up) is dated 1784.

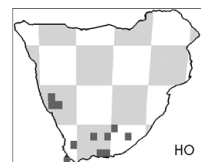


Equus zebra Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 74. Mountain zebra.

Synonyms: *Hippotigris*.

Type locality: since restricted to Perdekop.

Additional references: Bernor *et al.* (2010); Fraas (1907); Hooijer (1945); Lundholm (1952); Penzhorn (1988).



FAMILY: RHINOCEROTIDAE

Subfamily: Rhinocerotinae

Ceratotherium simum Burchell, 1817. *Bull. Sci. Soc. Philom. Paris*

1817–1819: 97. White rhinoceros.

Synonyms: *Diceros*; *Rhinoceros*; *simus*.

Type locality: since identified as Chue Spring = Heuningvlei.

Additional references: Geraads (2010a); Gray (1867); Groves (1972);

Hooijer (1959, 1973); Hooijer and Singer (1960); Smith (1849).



Diceros bicornis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 56. Black rhinoceros.

Synonyms: *Opsiceros simplicidens*.

Type locality: now identified as Cape of Good Hope.

Additional references: Gray (1867); Hillman-Smith and Groves (1994);

Hooijer (1959, 1973); Hooijer and Singer (1960); Scott (1907).



ORDER: ARTIODACTYLA

FAMILY: SUIDAE

Subfamily: Suinae

Phacochoerus Cuvier, 1826. *Dict. Sci. Nat.* 39: 383.

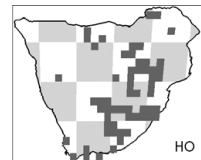
Comments: the Holocene material is likely to be *P. africanus* since this is the only species currently recognised in the sub-region.



Phacochoerus africanus Gmelin, 1788. *Linnaeus, C. Systema Naturae*, 13th edition, 1: 220. Common warthog.

Synonyms: *aethiopicus*; *dreyeri*?; *helmei*; *laticolumnatus*; *venteri*.

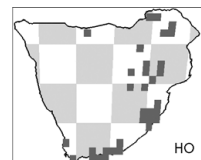
Additional references: Cooke (1949b); Ewer (1956b, 1957b); Grubb and d'Huart (2010); Pia (1930).



Potamochoerus larvatus Cuvier, 1822. *Mem. Mus. Hist. Nat. Paris* 8: 447. Bush-pig.

Synonyms: *Koiropotamus*; *porcus*.

Additional references: Grubb (2004); Hopwood (1934).



Sus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 49.

Comments: it is most likely that this material should be assigned to *Sus scrofa*, given that this is the only currently accepted species of *Sus* in southern Africa.



Sus scrofa Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 49. Wild boar (including domestic pig).



FAMILY: HIPPOPOTAMIDAE

Hippopotamus amphibius Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 74. Common hippopotamus.

Synonyms: *capensis*; *poderosus*.

Additional references: Fraas (1907); Hooijer and Singer (1961); Scott (1907); Smith (1849).



FAMILY: GIRAFFIDAE

Subfamily: Giraffinae

Giraffa camelopardalis Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 66. Giraffe.

Additional references: Dagg (1971); Harris *et al.* (2010); Singer and Boné (1960).



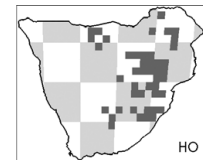
FAMILY: BOVIDAE

Subfamily: Aepycerotinae

Aepyceros melampus Lichtenstein, 1812. *Reisen im südlichen Africa in en Jahren 1803, 1804, 1805 und 1806* 2: pl. 4 opp. p. 544. Impala.

Type locality: now identified as Khosis.

Additional references: Reynolds (2010a).

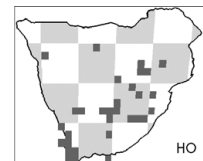


Subfamily: Alcelaphinae

Alcelaphus De Blainville, 1816. *Bull. Sci. Soc. Philom. Paris* 1816: 75.



Alcelaphus buselaphus Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 7. Hartebeest.

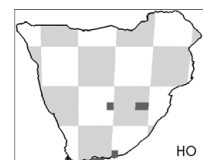


Alcelaphus caama Geoffroy Saint-Hilaire, 1803. *Catalogue des Mammifères du Muséum National d'Histoire Naturelle*: 269. Red hartebeest.

Synonyms: *Antilope*; *Bubalus*; *bubalis*; *buselaphus caama*.

Type locality: since restricted to syntype locality Steynsburg.

Additional references: Gray (1850a, 1850b); Grubb (2004); Hoffman (1953); Smith (1849).



Connochaetes Lichtenstein, 1812. *Mag. Ges. Naturf. Fr. Berlin* 6: 142.
Synonyms: *Gorgon*.



Connochaetes gnou Zimmermann, 1780. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 2: 102.
Black wildebeest.

Synonyms: *laticornutus*.

Type locality: since selected as Agterbruintjieshoogte.

Additional references: Brink (1993, 2005); Gentry (2010); Gray (1850a, 1850b); Von Richter (1974).

Comments: Gentry (2010) proposes that *Connochaetes laticornutus* should be retained as a distinct species.



Connochaetes taurinus Burchell, 1824. *Travels in the Interior of Southern Africa* 2: 278 (footnote). Blue wildebeest.

Synonyms: *Catoblepas*.

Type locality: apparently 'Kosi Fountain', but lectotype came from 'Chue Spring, Maadji Mtn [Klein Heuningvlei]'.
Additional references: Smith (1849).



Damaliscus Sclater and Thomas, 1894. *The Book of Antelopes* 1: 51.
Additional references: Fraas (1907).



Damaliscus lunatus Burchell, 1824. *Travels in the Interior of Southern Africa* 2: 334. Common tsessebe.

Synonyms: *Acronotus*; *Bubalus*.

Type locality: 'Makkwarin' (Matlhwareng) River.

Additional references: Cotterill (2003); Gray (1850a, 1850b); Groves and Grubb (2011); Smith (1849).



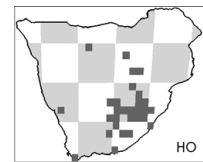
Damaliscus pygargus Pallas, 1767. *Spicil. Zool.* 1: 10. Bontebok.

Synonyms: *albifrons*; *dorcas phillipsi*; *dorcas dorcas*; 'hipkini'.

Type locality: since restricted to Swart River.

Additional references: Faith *et al.* (2012); Gentry (2010); Gray (1850a, 1850b); Groves and Grubb (2011); Grubb (2004); Vrba (1997).

Comments: according to Vrba (1997), Wells intended to name *Damaliscus 'hipkini'*, but never did. Groves and Grubb (2011) propose that *Damaliscus phillipsi* (blesbok) be a full species separate from *D. pygargus* (bontebok).



Subfamily: Antilopinae

†*Antidorcas australis* Hendeby and Hendeby, 1968. *Ann. S. Afr. Mus.* 52(2): 56.

Synonyms: *Marsupialis australis*.

Type locality: Swartklip.

Additional references: Gentry (2010); Peters and Brink (1992); Vrba (1973).



†*Antidorcas bondi* Cooke and Wells, 1951. *S. Afr. J. Sci.* 47: 207.

Synonyms: *Gazella*.

Type locality: Chelmer.

Additional references: Gentry (2010); Plug and Peters (1991); Vrba (1973).



Antidorcas marsupialis Zimmermann, 1780. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 2: 427. Springbok.

Type locality: since restricted to 'Cape Colony [Cape Province]'

References: Cain *et al.* (2004); Gentry (2010); Gray (1850a, 1850b); Plug and Peters (1991); Vrba (1970).



Madoqua Ogilby, 1836. *Proc. Zool. Soc. Lond.* 1836: 137.



Neotragus moschatus Von Dueben, 1846. In: Sundevall, *Ofv. K. Svenska Vet.-Akad. Forhandl.* 3(7): 221. Suni.

Synonyms: *Nesotragus*.

Additional references: Gray (1850a, 1850b).



Oreotragus oreotragus Zimmermann, 1783. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 3: 269. Klipspringer.

Synonyms: *Palaeotragiscus longiceps*; *major*.

Type locality: now known to be False Bay.

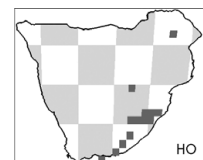
Additional references: Broom (1934); Gentry (2010); Gray (1850a, 1850b); Watson and Plug (1995); Wells (1951).



Ourebia ourebi Zimmermann, 1783. *Geographische Geschichte des Menschen und der Allgemein Verbreiteten Vierfüssigen Thiere* 3: 268. Oribi.

Type locality: since restricted to Bruintjieshoogte.

Additional references: Gray (1850a, 1850b).



Raphicerus Smith, 1827. In: Griffith *et al.*, *The Animal Kingdom Arranged in Conformity with its Organization by the Baron Cuvier with Additional Descriptions* 5: 342.

Additional references: Klein (1976c).



Raphicerus campestris Thunberg, 1811. *Mem. Acad. Imp. Sci. St. Petersbourg* 3: 313. Steenbok.

Type locality: since selected as Malmesbury District.

Additional references: Gray (1850a, 1850b).



Raphicerus melanotis Thunberg, 1811. *Mem. Acad. Imp. Sci. St. Petersbourg* 3: 312. Cape grysbok.

Type locality: since selected as Cape Peninsula.

Additional references: Gray (1850a, 1850b).



Raphicerus sharpei Thomas, 1896. *Proc. Zool. Soc. Lond.* 1896: 795, pl. 34. Sharpe's grysbok.

Synonyms: *melanotis sharpei*.



Subfamily: Bovinae

Bos taurus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 71. Aurochs (including domestic cattle).

Additional references: Horsburgh *et al.* (2016).



Syncerus Hodgson, 1847. *J. Asiatic Soc. Bengal*, Series 2, 16: 709.

Synonyms: *Bos*; *Bubalis*; *Pelorovis*.

Additional references: Martínez-Navarro *et al.* (2007).



Syncerus caffer Sparrman, 1779. *K. Svenska Vet.-Akad. Handl.* 40: 79. African buffalo.

Synonyms: *Bubalis*; *andersoni*.

Type locality: now restricted to Sundays River.

Additional references: Geraads (1992); Scott (1907).



Taurotragus Wagner, 1855. In: Schreber, *Die Säugethiere in Abbildungen nach der Natur, mit Beschreibungen* 5: 438.

Comments: given that this genus is monospecific, it is to be assumed that this material should be assigned to *T. oryx*.



Taurotragus oryx Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 9. Common eland.

Synonyms: *Antilope*; *Boselaphus*; *Tragelaphus*; *oreas*.

Type locality: restricted to near Cape Town.

Additional references: Gray (1850a, 1850b); Pappas (2002); Smith (1849); Willows-Munro *et al.* (2005).



Tragelaphus angasii Angas, 1848. *Proc. Zool. Soc. Lond.* 1848: 89. Nyala.

Type locality: 'Hills that border: upon the northern shores of St Lucia Bay'.

Additional references: Gray (1850a, 1850b); Grubb (2004); Willows-Munro *et al.* (2005).



Tragelaphus scriptus Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 8. Bushbuck.

Additional references: Gray (1850a, 1850b); Willows-Munro *et al.* (2005).



Tragelaphus spekeii Speke, 1863. *Journal of the Discovery of the Source of the Nile*: 223 (footnote). Sitatunga.

Additional references: Grubb (2004); Willows-Munro *et al.* (2005).



Tragelaphus strepsiceros Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 9. Greater kudu.

Synonyms: *Damalis*; *Strepsiceros*; *capensis*.

Type locality: restricted to eastern part of Western Cape Province.

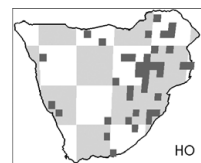
Additional references: Smith (1849); Willows-Munro *et al.* (2005).



Subfamily: Caprinae

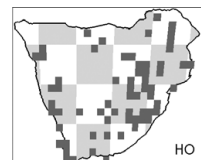
Capra hircus Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 68. Goat.

Additional references: Badenhorst and Plug (2003); Horsburgh *et al.* (2016).



Ovis aries Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 70. Red sheep (including domestic sheep).

Additional references: Horsburgh and Rhines (2010); Horsburgh *et al.* (2016).



Subfamily: Cephalophinae

Cephalophus Smith, 1827. In: Griffith *et al.*, *The Animal Kingdom Arranged in Conformity with its Organization by the Baron Cuvier* 5: 344.

Comments: material only identified to genus level has not been mapped because this could include specimens assignable to *Philantomba* as currently understood

Cephalophus natalensis Smith, 1834. *S. Afr. Quart. J.*, Series 2, 2: 217. Red duiker.

Type locality: 'Port Natal' = Durban.

Additional references: Gray (1850a, 1850b); Smith (1849).

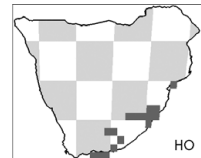


Philantomba monticola Thunberg, 1789. *Resa uti Europa Africa, Asia, forrattad aren 1770–1779* 2: 66. Blue duiker.

Synonyms: *Cephalophus*; *bicolor*; *caeruleus*.

Type locality: since identified as Langkloof.

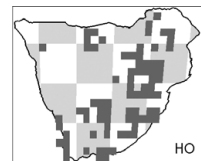
Additional references: Gray (1850a, 1850b, 1862a, 1862b); Jansen van Vuuren (1999).



Sylvicapra grimmia Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 70. Bush duiker.

Type locality: now known to be Cape Town.

Additional references: Gentry (2010); Gray (1850a, 1850b).



Subfamily: Hippotraginae

Hippotragus Sundevall, 1845. *Ofv. K. Svenska Vet.-Akad. Förhand.* 1845: 31.

Additional references: Commission on Zoological Nomenclature (2003); Grubb (2004).

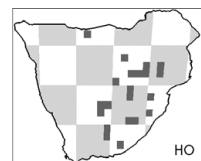


Hippotragus equinus Geoffroy Saint-Hilaire, 1803. *Catalogue des Mammifères du Muséum National d'Histoire Naturelle*: 259. Roan antelope.

Synonyms: *Aigoceros*; *Antilope*; *osanne*.

Type locality: now thought to be Plettenberg Bay.

Additional references: Gray (1850a, 1850b); Grubb (2004); Smith (1849).

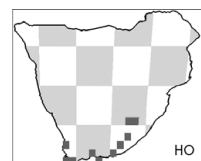


†***Hippotragus leucophaeus*** Pallas, 1766. *P.S. Pallas Medecinae Doctoris Miscellanea Zoologica*: 4. Blaaubok, blue antelope.

Synonyms: *problematicus*.

Type locality: since restricted to Swellendam District.

Additional references: Broom (1949b); Cooke (1947); Gentry (2010); Klein (1974a).



Hippotragus niger Harris, 1838. *Proc. Zool. Soc. Lond.* 1838: 2. Sable antelope.

Synonyms: *harrisi*.

Type locality: since specified as Magaliesberg near Krugersdorp and Rustenburg.

Additional references: Gray (1850a, 1850b); Harris (1838a).



Oryx gazella Linnaeus, 1758. *Systema Naturae Regnum Animale*, 10th edition, 1: 69. Gemsbok.

Type locality: understood to be South Africa.

Additional references: Gray (1850a, 1850b).



Subfamily: Reduncinae

Kobus ellipsiprymnus Ogilby, 1833. *Proc. Zool. Soc. Lond.* 1833: 47. Waterbuck.

Synonyms: *Aigoceros*.

Type locality: since restricted to Gaborone.

Additional references: Birungi and Arctander (2001); Gray (1850a, 1850b); Smith (1849).



Kobus leche Gray, 1850. *Gleanings from the Menagerie and Aviary at Knowsley Hall* 2: 23. Lechwe.

Synonyms: *Onotragus*; *venterae*.

Type locality: since identified as Botletle River, near Lake Ngami.

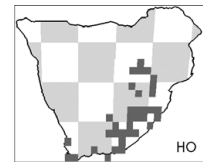
Additional references: Birungi and Arctander (2001).



Pelea capreolus Forster, 1790. *Le Vaillant's Reise in das Innere von Afrika* 1: 71. Vaal rhebok.

Type locality: now specified as Houhoek Pass.

Additional references: Birungi and Arctander (2001); Gray (1850a, 1850b).



Redunca Smith, 1827. In: Griffith *et al.*, *The Animal Kingdom Arranged in Conformity with its Organization by the Baron Cuvier* 5: 337



Redunca arundinum Boddaert, 1785. *Elenchus Animalium* 1: 141.

Southern reedbuck.

Type locality: since selected as Bethulie.

Additional references: Gentry (2010); Gray (1850a, 1850b).

Comments: the version of this book reproduced in the Biodiversity Heritage Library (www.biodiversitylibrary.org/item/89677#page/71/mode/1up) is dated 1784.



Redunca fulvorufula Afzelius, 1815. *Nova Acta Reg. Soc. Sci. Upsala* 7: 250. Mountain reedbuck.
 Synonyms: *Cervicapra*.
 Type locality: restricted to eastern North Cape Province.



6.2 HOLOCENE SITES

So far, records for the Holocene have come from 414 sites (Figure 6.1). These cover much of the region but, as during the Pleistocene, show a gap in what are today arid, sparsely occupied parts of the region. Possible reasons for this gap in the record were mentioned with respect to the Pleistocene and may well apply also to the Holocene. In the Holocene, however, since all material comes from human occupation sites the existence of suitable sites for this purpose must have taken precedence, with bone preservation and attention by archaeologists being secondary explanations. Indeed, variation in the numbers of mammalian taxa represented suggests that this is the case.



Figure 6.1 Location of Holocene sites.

/hei-/khomas. See Vaalhoek.

2229AD5 (2228:2925). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Equus burchellii*; *Hippotragus equinus*; *Hystrix africae australis*; *Kobus ellipsiprymnus*; *Lepus saxatilis*; *Ovis aries*; *Panthera pardus*; *Phacochoerus africanus*; *Pronolagus randensis*; *Sylvicapra grimmia*; *Syncerus caffer*. References: Plug (2000).

2329CD (2329CD). Taxa: *Bos taurus*; *Equus burchellii*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Procavia capensis*. References: Loubser (1994).

Aar I and II (2643:1631). Taxa: *Equus zebra* cf.; *Lepus*; *Oreotragus oreotragus*; *Oryx gazella*; *Petromus typicus* cf.; *Procavia*. References: Cruz-Urbe and Klein (1981–1983); Thackeray (1979).

Abbot's Cave (3127:2439). Taxa: *Alcelaphus buselaphus*; *Antidorcas australis*; *Antidorcas bondi*; *Atilax paludinosus*; *Bos taurus*; *Canis mesomelas*; *Capra hircus*; *Caracal caracal*; *Connochaetes gnou*; *Connochaetes taurinus* cf.; *Crocidura cyanea* cf.; *Crocidura flavescens*; *Cryptomys hottentotus*; *Cynictis penicillata*; *Damaliscus pygargus*; *Desmodillus auricularis*; *Equus quagga*; *Equus zebra* cf.; *Felis silvestris*; *Galerella*; *Gerbilliscus brantsii* cf.; *Homo sapiens*; *Ichneumia albicauda*; *Ictonyx striatus*; *Lycaon pictus*; *Macrosclides proboscideus*; *Malacothrix typica*; *Micaelamys namaquensis*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Otomys irroratus*; *Otomys*

saundersiae; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Suricata suricatta*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*.
References: Avery (1991a); Plug (1993a, 1999b); Plug and Sampson (1996); Voigt *et al.* (1995).

Adullam (2828CB). Taxa: *Canis*; *Equus burchellii* cf.; *Hystrix africae australis*; *Papio ursinus*; *Procavia capensis*. References: Wadley and Laue (2000).

Amis (2110:1430). Taxa: *Antidorcas marsupialis*; *Crocidura*; *Crocota crocuta*; *Elephantulus*; *Equus*; *Oreotragus oreotragus*; *Oryx gazella*; *Petromus typicus*; *Procavia capensis*; *Pronolagus randensis*; *Rhabdomys pumilio*; *Suricata suricatta*. References: Van Neer and Breunig (1999).

Andriesgrond (3218BB). Taxa: *Acomys subspinosus*; *Chlorotalpa sclateri*; *Crocidura cyanea*; *Crocidura flavescens*; *Crocidura fuscomurina*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Dendromus mesomelas*; *Elephantulus edwardii*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Graphiurus ocularis*; *Homo sapiens*; *Micaelamys namaquensis*; *Mus minutoides*; *Myomyscus verreauxii*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Nycterus thebaica*; *Otomys irroratus*; *Otomys saundersiae*; *Rhabdomys pumilio*; *Rhinolophus capensis*; *Rhinolophus clivosus*; *Steatomys krebsii*. References: Avery (unpublished); Pfeiffer (2013).

Andrieskraal (3325DA). Taxa: *Bos taurus*; *Canis mesomelas*; *Capra hircus*; *Diceros bicornis*; *Equus asinus*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta genetta*; *Hippopotamus amphibius*; *Homo sapiens*; *Hystrix africae australis*; *Lepus saxatilis*; *Loxodonta africana*; *Mellivora capensis*; *Panthera pardus*; *Papio ursinus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: De Villiers (1965); Hendey and Singer (1965).

Apollo 11 (2745:1706). Taxa: *Antidorcas marsupialis*; *Equus zebra*; *Felis silvestris*; *Lepus*; *Micaelamys namaquensis*; *Oreotragus oreotragus*; *Papio ursinus*; *Petromus typicus* cf.; *Phacochoerus*; *Procavia capensis*. References: Cruz-Urbe and Klein (1981–1983); Thackeray (1979); Vogelsang *et al.* (2010); Wadley (2015).

Aspoort (3230:1931). Taxa: *Cryptomys hottentotus*; *Equus zebra* cf.; *Gerbillurus paeba*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Procavia capensis*. References: Smith and Ripp (1978).

Atlantic Beach (3318). Taxa: *Alcelaphus*; *Atilax paludinosus*; *Bathergus suillus*; *Genetta*; *Hystrix africae australis*; *Mellivora capensis*; *Raphicerus melanotis*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Sealy *et al.* (2004).

Austerlitz (2817:1915). Taxa: *Alcelaphus buselaphus*; *Equus*; *Procavia capensis*; *Raphicerus campestris*. References: Cruz-Urbe and Klein (1981–1983).

Baden-Baden (2821:2530). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus quagga*; *Ovis aries*; *Phacochoerus africanus*. References: Van Aardt *et al.* (2016).

Badfontein Valley (2520:3020). Taxa: *Bos taurus*. References: Collett (1982).

Bambata (2030:2830). Taxa: *Bos taurus*?. References: Walker (1983).

Biesje Poort 2 (2826:2033). Taxa: *Antidorcas marsupialis*; *Connochaetes gnou*; *Cynictis penicillata*; *Equus quagga*; *Procavia capensis*; *Raphicerus campestris*; *Saccostomus campestris*; *Sylvicapra grimmia*; *Xerus inauris*. References: Badenhorst *et al.* (2015).

- Big Elephant Shelter** (2142:1540). Taxa: *Antidorcas marsupialis*; *Bos taurus*; *Caracal caracal* cf.; *Felis silvestris* cf.; *Equus*; *Genetta*; *Hystrix africae australis*; *Mellivora capensis*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Ovis aries*; *Procavia capensis*; *Raphicerus campestris* cf. References: Wadley (1979).
- Blaauheuvel** (2925AC). Taxa: *Homo sapiens*. References: Wells and Gear (1931).
- Blinkklipkop** (2818:2307). Taxa: *Canis mesomelas* cf.; *Crocidura cyanea*; *Crocidura fuscomurina*; *Crocidura hirta*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Desmodillus auricularis*; *Elephantulus rupestris* cf.; *Eptesicus hottentotus*; *Equus*; *Gerbilliscus*; *Gerbillurus paeba*; *Hyaena*; *Hystrix africae australis*; *Lepus*; *Macroselides proboscideus*; *Malacothrix typica*; *Mastomys natalensis*; *Micaelamys namaquensis*; *Miniopterus natalensis*; *Mus minutoides*; *Mystromys albicaudatus*; *Otomys angoniensis* cf.; *Otomys irroratus*; *Panthera pardus*; *Phacochoerus africanus*; *Procavia capensis*; *Rhabdomys pumilio*; *Rhinolophus capensis*; *Rhinolophus clivosus*; *Saccostomus campestris*; *Steatomys krebsii*; *Suncus varilla*; *Zelotomys woosnami*. References: Avery (1981); Humphreys and Thackeray (1983); Thackeray *et al.* (1983).
- Blombos Cave** (3425:2113). Taxa: *Canis mesomelas* cf.; *Crocidura cyanea*; *Crocidura fuscomurina*; *Crocidura hirta*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Desmodillus auricularis*; *Elephantulus rupestris* cf.; *Eptesicus hottentotus*; *Equus*; *Gerbilliscus*; *Gerbillurus paeba*; *Hyaena*; *Hystrix africae australis*; *Lepus*; *Macroselides proboscideus*; *Malacothrix typica*; *Mastomys natalensis*; *Micaelamys namaquensis*; *Miniopterus natalensis*; *Mus minutoides*; *Mystromys albicaudatus*; *Otomys angoniensis* cf.; *Otomys irroratus*; *Panthera pardus*; *Phacochoerus africanus*; *Procavia capensis*; *Rhabdomys pumilio*; *Rhinolophus capensis*; *Rhinolophus clivosus*; *Saccostomus campestris*; *Steatomys krebsii*; *Suncus varilla*; *Zelotomys woosnami*. References: Badenhorst *et al.* (2016a); Discamps and Henshilwood (2015); Henshilwood (1995, 1996); Henshilwood *et al.* (2001); Hillestad Nel and Henshilwood (2016); Wadley (2015).
- Bloubergstrand** (3348:1828). Taxa: *Homo sapiens*. References: Orton *et al.* (2015); Pfeiffer (2013).
- Bloubos** (3105:2450). Taxa: *Antidorcas australis*; *Canis mesomelas*; *Capra hircus*; *Damaliscus pygargus*; *Oreotragus oreotragus*; *Ovis aries*. References: Plug (1999b); Plug and Sampson (1996); Voigt *et al.* (1995).
- Blue Pool Cave** (2724). Taxa: *Equus burchellii*; *Syncerus caffer*?. References: Humphreys (1978).
- Blydefontein** (3108:2513). Taxa: *Cynictis penicillata*; *Equus*; *Felis silvestris*; *Oreotragus oreotragus*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Vulpes chama*. References: Avery (unpublished); Horsburgh and Moreno-Mayar (2015); Klein (1979a).
- Boitsemangano** (2527CA). Taxa: *Aepyceros melampus*; *Aethomys chrysophilus*; *Alcelaphus buselaphus*; *Bos taurus*; *Canis mesomelas* cf.; *Capra hircus*; *Connochaetes taurinus*; *Equus quagga*; *Homo sapiens*; *Ovis aries*; *Pelea capreolus*; *Potamochoerus larvatus*; *Raphicerus campestris*; *Sylvicapra grimmia*. References: Plug and Badenhorst (2006).
- Bokbaai** (3334:1820). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Bokvasmaak 3** (2826:2007). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Canis lupus*; *Felis nigripes*; *Felis silvestris*; *Hippopotamus amphibius*; *Lepus capensis*; *Oryx gazella*; *Ovis aries*; *Petromus typicus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Vulpes chama*; *Xerus inauris*. References: Badenhorst *et al.* (2015).

- Bolahla** (3004:2824). Taxa: *Bos taurus*; *Capra hircus*; *Hystrix africaeaustralis*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Procavia capensis*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Mitchell *et al.* (1994); Plug (1997b).
- Boleu** (2529AB). Taxa: *Bos taurus*; *Equus burchellii*; *Gerbilliscus brantsii*; *Homo sapiens*; *Myotomys sloggetti*; *Mystromys albicaudatus*; *Otomys irroratus*; *Otomys saundersiae*; *Ovis aries*; *Potamochoerus larvatus*; *Raphicerus campestris*; *Sylvicapra grimmia*. References: Badenhorst and Plug (2004/2005).
- Bonawe** (3120:2746). Taxa: *Antidorcas marsupialis*; *Canis mesomelas* cf.; *Crocidura flavescens*; *Cryptomys hottentotus*; *Equus quagga* cf.; *Equus zebra* cf.; *Hippotragus*; *Hystrix africaeaustralis*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Ourebia ourebi*; *Panthera pardus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Opperman (1987).
- Boomplaas Cave** (3323:2211). Taxa: *Acomys subspinosus*; *Canis mesomelas* cf.; *Caracal caracal* cf.; *Chlorotalpa sclateri*; *Cistugo lesueuri*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Damaliscus*; *Dasymys incomtus*; *Dendromus melanotis*; *Diceros bicornis*; *Elephantulus*; *Equus*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Herpestes ichneumon*; *Hippotragus*; *Homo sapiens*; *Hystrix africaeaustralis*; *Loxodonta africana*; *Mellivora capensis* cf.; *Micaelamys namaquensis*; *Mus minutoides*; *Myomyscus verreauxii*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Otomys irroratus*; *Otomys laminatus*; *Otomys saundersiae*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Saccostomus campestris*; *Steatomys krebsii*; *Syncerus antiquus*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Avery (1977, 1982b); Brophy *et al.* (2014); Faith (2013); Klein (1978a, 1994b); Von den Driesch and Deacon (1985); Wadley (2015).
- Border Cave** (2701:3159). Taxa: *Aethomys chrysophilus*; *Amblysomus hottentotus*; *Crocidura cyanea*; *Crocidura flavescens*; *Crocidura fuscomurina*; *Crocidura hirta*; *Crocidura mariquensis*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Dendromus mesomelas* cf.; *Dendromus mystacalis*; *Elephantulus myurus*; *Equus burchellii* cf.; *Gerbilliscus leucogaster* cf.; *Glauconycteris variegata*; *Grammomys dolichurus*; *Graphiurus murinus*; *Lemniscomys rosalia*; *Lepus*; *Malacothrix typica*; *Mastomys natalensis*; *Micaelamys namaquensis*; *Miniopterus natalensis*; *Mus minutoides*; *Myosorex varius*; *Mystromys albicaudatus*; *Nycteris thebaica*; *Oreotragus oreotragus*; *Otomys angoniensis*; *Otomys irroratus*; *Otomys laminatus*; *Ovis aries*; *Papio ursinus*; *Potamochoerus larvatus*; *Rhabdomys pumilio*; *Rhinolophus clivosus*; *Rhinolophus darlingi*; *Saccostomus campestris*; *Scotophilus nigrita*; *Steatomys pratensis*; *Suncus infinitesimus*; *Suncus lixus*; *Suncus varilla*; *Syncerus caffer?*; *Thallomys paedulus*. References: Avery (1982a, 1991b, 1992a); Cooke *et al.* (1945); De Villiers (1974, 1976a); Klein (1977); Rightmire (1979b); Wadley (2015).
- Borrow Pit Midden** (3219:1819). Taxa: *Bathergus suillus*; *Felis silvestris*; *Procavia capensis*; *Raphicerus*. References: Jerardino *et al.* (2009a).
- Bosutswe** (2157:2637). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Atelerix frontalis*; *Bos taurus*; *Canis lupus*; *Canis mesomelas*; *Capra hircus*; *Caracal caracal*; *Ceratotherium simum* cf.; *Civettictis civetta*; *Connochaetes taurinus*; *Crocota crocuta*; *Cryptomys* cf.; *Damaliscus pygargus*; *Diceros bicornis* cf.; *Equus burchellii*; *Felis silvestris*; *Galago senegalensis*; *Giraffa camelopardalis*; *Hippopotamus amphibius*;

Hippotragus equinus; *Hippotragus niger*; *Homo sapiens*; *Kobus ellipsiprymnus*; *Kobus leche* cf.; *Lepus saxatilis*; *Loxodonta africana*; *Lycaon pictus*; *Malacothrix typica*; *Oreotragus oreotragus*; *Orycteropus afer*; *Oryx gazella*; *Ovis aries*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Parahaena brunnea*; *Pedetes capensis*; *Phacochoerus africanus*; *Proteles cristata*; *Raphicerus campestris*; *Raphicerus sharpei*; *Rattus rattus*; *Redunca arundinum*; *Smutsia temminckii*; *Sus*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus scriptus*; *Tragelaphus spekeii*; *Tragelaphus strepsiceros*; *Xerus inauris*. References: Denbow *et al.* (2008); Plug (1996b).

Boundary Shelter (3130:2435). Taxa: *Alcelaphus buselaphus*; *Antidorcas australis*; *Canis mesomelas*; *Capra hircus*; *Caracal caracal*; *Connochaetes gnou*; *Cynictis penicillata*; *Damaliscus pygargus*; *Equus quagga*; *Equus zebra* cf.; *Hippotragus equinus* cf.; *Ovis aries*; *Panthera pardus*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Plug (1999b); Plug and Sampson (1996); Voigt *et al.* (1995).

Bremen (2517CB). Taxa: *Bathyergus suillus*; *Caracal caracal*; *Equus*; *Felis silvestris*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Pedetes capensis*; *Procavia capensis*; *Raphicerus campestris*. References: Cruz-Urbe and Klein (1981–1983).

Broederstroom 24/73 (2545:2750). Taxa: *Bos taurus*; *Capra hircus*; *Cryptomys*; *Damaliscus pygargus*; *Equus burchellii*; *Gerbilliscus brantsii* cf.; *Hippotragus*; *Loxodonta africana*; *Mastomys natalensis*; *Oreotragus oreotragus*; *Ovis aries*; *Papio ursinus*; *Phacochoerus africanus*; *Procavia capensis*; *Rattus rattus*; *Redunca arundinum*; *Redunca fulvorufula*; *Thryonomys swinderianus*. References: Brown (1981); Welbourne (1973).

Buffelshoek (2747:2222). Taxa: *Bos taurus*; *Bunolagus monticularis* cf.; *Canis mesomelas* cf.; *Caracal caracal* cf.; *Diceros bicornis*; *Equus*; *Felis silvestris*; *Galerella pulverulenta*; *Hippopotamus amphibius*; *Hystrix africae australis*; *Lepus capensis* cf.; *Loxodonta africana*; *Oreotragus oreotragus*; *Panthera leo*; *Papio ursinus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Redunca fulvorufula*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Klein (1978d); Loubser (1985).

Burchell's Shelter (2848:2343). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Canis mesomelas* cf.; *Connochaetes gnou*; *Equus quagga* cf.; *Hippotragus*; *Hystrix africae australis*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Tragelaphus strepsiceros*. References: Humphreys (1975); Klein (1979a).

Bushman Rockshelter (3038:2435). Taxa: *Acinonyx jubatus* cf.; *Aepyceros melampus*; *Alcelaphus* cf.; *Connochaetes taurinus*; *Damaliscus lunatus*; *Equus burchellii*; *Hippopotamus amphibius*; *Hippotragus equinus*; *Hippotragus niger*; *Homo sapiens*; *Hystrix africae australis*; *Lepus saxatilis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Papio ursinus*; *Phacochoerus africanus*; *Procavia capensis*; *Pronolagus*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*; *Xerus*. References: Badenhorst and Plug (2012); Brain (1969, 1981); Dusseldorp *et al.* (2013); Plug (1981); Wadley (2015).

Buzz Shelter (3131:1836). Other names: VR005. Taxa: *Alcelaphus buselaphus* cf.; *Bathyergus suillus*; *Canis*; *Caracal caracal*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Desmodillus auricularis*; *Felis silvestris*; *Gerbillurus paeaba*; *Hystrix africae australis*; *Macroselides proboscideus*; *Micaelamys namaquensis*; *Myotomys unisulcatus*; *Procavia capensis*; *Raphicerus campestris*; *Rhabdomys pumilio*; *Rhinolophus clivosus*. References: Avery (unpublished); Orton *et al.* (2011).

- Byneskranskop** (3435:1928). Taxa: *Aonyx capensis*; *Atilax paludinosus*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Damaliscus pygargus* cf.; *Diceros bicornis*; *Equus quagga* cf.; *Felis silvestris*; *Galerella pulverulenta*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Homo sapiens*; *Hystrix africae australis*; *Lepus*; *Loxodonta africana*; *Mellivora capensis*; *Oreotragus oreotragus*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea* cf.; *Pelea capreolus*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Redunca arundinum*; *Redunca fulvorufula*; *Syncerus caffer*; *Taurotragus oryx*. References: Avery (1977, 1982b); De Villiers and Wilson (1982); Klein (1981, 1982).
- CaeCae** (1947:2104). Taxa: *Aepyceros melampus*; *Alcelaphus* cf.; *Bos taurus*; *Canis lupus*; *Equus burchellii*; *Gerbilliscus brantsii* cf.; *Otocyon megalotis*; *Phacochoerus africanus*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Tragelaphus strepsiceros*. References: Wilmsen (1989).
- Cape Point** (3418AD). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Cape St Francis** (3424DB). Taxa: *Homo sapiens*. References: De Villiers (1974).
- Cape Town** (3356:1825). Taxa: *Rattus norvegicus*. References: Avery (1985).
- Chamabvefva** (3005:2013). Taxa: *Bos taurus*. References: Huffman (1979b).
- Chibuene** (2202:3519). Taxa: *Bos taurus*; *Capra hircus*; *Chlorocebus aethiops*; *Homo sapiens*; *Neotragus moschatus*; *Ovis aries*; *Philantomba monticola*. References: Badenhorst et al. (2011c).
- Chivowa Hill** (2010:3030). Taxa: *Bos taurus*; *Capra hircus*; *Equus burchellii*; *Homo sapiens*; *Hystrix africae australis*; *Kobus ellipsiprymnus*; *Oreotragus oreotragus*; *Procavia capensis*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Tragelaphus scriptus* cf. References: Sinclair (1991); Welbourne (1985).
- Clanwilliam** (3211:1853). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Clarke's Shelter** (2901:2918). Taxa: *Canis*; *Chlorocebus aethiops*; *Cryptomys hottentotus*; *Felis silvestris*; *Genetta*; *Oreotragus oreotragus*; *Otomys irroratus* cf.; *Otomys laminatus*; *Papio ursinus*; *Procavia capensis*; *Raphicerus*; *Rhabdomys pumilio*. References: Avery (1991b); Mazel (1984b).
- Collingham** (2927:2935). Taxa: *Alcelaphus buselaphus*; *Amblysomus hottentotus* cf.; *Aonyx capensis*; *Atilax paludinosus*; *Canis mesomelas*; *Caracal caracal*; *Cephalophus natalensis* cf.; *Chrysospalax villosus*; *Connochaetes gnou*; *Crocidura cyanea* cf.; *Crocidura flavescens*; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Dendromus melanotis*; *Dendromus mesomelas*; *Felis silvestris*; *Georychus capensis*; *Gerbilliscus brantsii* cf.; *Hystrix africae australis*; *Ictonyx striatus* cf.; *Myosorex varius*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Otomys irroratus*; *Otomys laminatus*; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Potamochoerus larvatus*; *Procavia capensis*; *Pronolagus rupestris*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Vulpes chama*. References: Avery (1991b, 1992b); Mazel (1992); Plug (1992, 1997b).
- Colwinton** (3107:2744). Taxa: *Antidorcas marsupialis*; *Canis mesomelas* cf.; *Damaliscus pygargus*; *Equus quagga* cf.; *Equus zebra* cf.; *Felis silvestris*; *Hippotragus leucophaeus* cf.; *Hystrix africae australis*; *Lepus capensis*; *Myotomys sloggetti*; *Oreotragus oreotragus*; *Otomys irroratus*; *Otomys saundersiae*; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Syncerus caffer*; *Taurotragus oryx*. References: Opperman (1982, 1987); Plug (1997b).

- Commando Kop** (2208:2910). Taxa: *Bos taurus*; *Canis lupus*; *Capra hircus*; *Chlorocebus aethiops*; *Equus burchellii*; *Giraffa camelopardalis*; *Oreotragus oreotragus*; *Ovis aries*; *Pedetes capensis*; *Raphicerus campestris*; *Syncerus caffer*; *Thryonomys swinderianus*; *Tragelaphus strepsiceros*. References: Plug (2000); Plug and Voigt (1985); Voigt (1980b); Voigt and Plug (1981).
- Connies Limpet Bar** (3219:1820). Taxa: *Bathyergus suillus*; *Felis silvestris*; *Genetta*; *Lepus*; *Myotomys unisulcatus*; *Papio ursinus*; *Procavia capensis*; *Raphicerus*; *Rhabdomys pumilio*; *Taurotragus oryx*. References: Jerardino *et al.* (2009b); Klein and Cruz-Urbe (1987).
- Copper Queen Mine** (1731:2919). Taxa: *Homo sapiens*; *Hystrix* cf.; *Raphicerus campestris* cf.; *Sylvicapra grimmia* cf. References: DeSilva *et al.* (2013); Swan (2002).
- Darling** (3323:1823). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Deelpan** (2911:2545). Taxa: *Antidorcas marsupialis*; *Aonyx capensis*; *Canis mesomelas*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus burchellii*; *Galerella pulverulenta*; *Galerella sanguinea*; *Lycaon pictus*; *Pedetes capensis*; *Raphicerus campestris*. References: Brink (2005); Scott and Brink (1992); Scott and Klein (1981).
- Deurspring 16** (3218AB). Taxa: *Bathyergus suillus*; *Canis mesomelas*; *Lepus capensis*; *Papio ursinus*; *Diceros bicornis*; *Procavia capensis*; *Raphicerus*; *Vulpes chama*. References: Jerardino *et al.* (2016).
- Diamant** (2345:2815). Taxa: *Aepyceros melampus*; *Aethomys chrysophilus*; *Alcelaphus buselaphus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Connochaetes taurinus*; *Diceros bicornis*; *Equus burchellii*; *Felis silvestris*; *Giraffa camelopardalis*; *Homo sapiens*; *Orycteropus afer*; *Ovis aries*; *Raphicerus campestris*; *Syncerus caffer*. References: Plug (2000).
- Diamond 1** (2829:2856). Taxa: *Caracal caracal*; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Dendromus mesomelas*; *Equus quagga* cf.; *Graphiurus murinus* cf.; *Otomys irroratus* cf.; *Otomys laminatus*; *Panthera leo*; *Papio ursinus*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus*; *Rhabdomys pumilio*. References: Avery (1991b); Mazel (1984b).
- Diana's Vow** (1835:3210). Taxa: *Canis*; *Heterohyrax brucei*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Ourebia ourebi*; *Papio ursinus* cf.; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus*; *Sylvicapra grimmia*. References: Klein (1979b).
- Die Kelders** (3432:1922). Taxa: *Alcelaphus buselaphus*; *Atilax paludinosus*; *Bathyergus suillus*; *Bos taurus*?; *Canis lupus*; *Canis mesomelas*; *Caracal caracal*; *Chrysochloris asiatica*; *Crocidura flavescens*; *Damaliscus pygargus*; *Dendromus melanotis*; *Diceros bicornis*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Gerbilliscus afra*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Homo sapiens*; *Hystrix africae australis*; *Ictonyx striatus*; *Leptailurus serval*; *Lepus*; *Loxodonta africana*; *Mellivora capensis*; *Myomyscus verreauxii*; *Myosorex varius*; *Myotis tricolor*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Otomys irroratus*; *Otomys saundersiae*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Rhabdomys pumilio*; *Rhinolophus capensis*; *Rhinolophus clivus*; *Steatomys krebsii*; *Suncus varilla*; *Syncerus caffer*; *Tragelaphus scriptus*; *Vulpes chama*. References: Armstrong (2016); Avery (1977, 1979); Avery *et al.* (1997); Brophy *et al.* (2014); Grine *et al.* (1991); Klein (1975b); Klein and Cruz-Urbe (2000); Marean *et al.* (2000); Rightmire (1979a); Schweitzer (1974, 1979); Schweitzer and Scott (1973); Wadley (2015).
- Die Toon** (2819:1717). Taxa: *Antidorcas marsupialis*; *Damaliscus pygargus* cf.; *Equus burchellii* cf.; *Oreotragus oreotragus*; *Procavia capensis*; *Pronolagus rupestris* cf. References: Webley *et al.* (1993).

- Diepkloof** (3223:1827). Taxa: *Bathyergus suillus*; *Felis silvestris*; *Galerella pulverulenta*; *Oreotragus oreotragus*; *Ovis aries*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus*. References: Klein and Steele (2008); Steele and Klein (2013); Wadley (2015).
- Dikbosch 1** (2839:2354). Taxa: *Aethomys chrysophilus*; *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Canis mesomelas?*; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Cynictis penicillata*; *Desmodillus auricularis?*; *Equus quagga*; *Gerbilliscus*; *Gerbillurus paeba*; *Graphiurus ocellatus*; *Hystrix africaeaustralis*; *Lepus*; *Mastomys coucha*; *Mus minutoides*; *Myosorex varius*; *Mystromys albicaudatus*; *Otomys angoniensis*; *Otomys irroratus*; *Otomys saundersiae* cf.; *Ovis aries*; *Papio ursinus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Rhabdomys pumilio*; *Redunca fulvorufula?*; *Steatomys*; *Suncus varilla*; *Syncerus caffer*; *Taurotragus oryx*; *Vulpes chama*. References: Avery and Avery (2011); Humphreys (1974); Humphreys and Thackeray (1983); Klein (1979a).
- Divuyu** (1845:2144). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis mesomelas* cf.; *Capra hircus*; *Connochaetes*; *Felis silvestris*; *Genetta*; *Gerbilliscus*; *Giraffa camelopardalis*; *Hippopotamus amphibius*; *Homo sapiens*; *Hystrix africaeaustralis*; *Kobus ellipsiprymnus*; *Kobus leche*; *Lepus*; *Otocyon megalotis*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Pedetes capensis*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus*. References: Denbow (2011); G. Turner (1987a).
- Doonside** (3004:3052). Taxa: *Homo sapiens*. References: Galloway (1936).
- Doornfontein** (2812:2302). Taxa: *Aepyceros melampus*; *Antidorcas marsupialis*; *Connochaetes taurinus*; *Crocidura*; *Cryptomys hottentotus*; *Dendromus*; *Elephantulus*; *Equus burchellii*; *Felis silvestris*; *Gerbilliscus brantsii*; *Gerbilliscus leucogaster*; *Gerbillurus paeba*; *Giraffa camelopardalis*; *Hippotragus equinus*; *Hippotragus niger*; *Homo sapiens*; *Hystrix africaeaustralis*; *Lepus*; *Micaelamys namaquensis?*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Oryx gazella*; *Otocyon megalotis*; *Otomys irroratus*; *Panthera leo*; *Papio ursinus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Saccostomus*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*; *Vulpes chama*. References: Beaumont and Boshier (1974); Klein (1979a); Thackeray et al. (1983).
- Doringbaai** (3149:1814). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- DP2004-014** (2936:1703). Taxa: *Felis silvestris*; *Oryx gazella*; *Parotomys brantsii*; *Pedetes capensis*; *Raphicerus campestris*; *Suricata suricatta*; *Sylvicapra grimmia*. References: Dewar (2007).
- Drie Susters** (3306:1800). Taxa: *Bathyergus suillus*; *Bos taurus*; *Diceros bicornis*; *Equus*; *Lepus capensis*; *Ovis aries*; *Procavia capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*. References: Smith et al. (1991).
- Driebos** (3306:1903). Taxa: *Procavia capensis*; *Raphicerus*. References: Smith et al. (1991).
- Driekoppen** (3105:2440). Taxa: *Antidorcas australis*; *Canis mesomelas*; *Capra hircus*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus zebra* cf.; *Ictonyx striatus*; *Ovis aries*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Suricata suricatta*. References: Plug (1999b); Plug and Sampson (1996).
- Driel Shelter** (2844:2917). Taxa: *Antidorcas marsupialis*; *Aonyx capensis*; *Atilax paludinosus*; *Canis mesomelas* cf.; *Damaliscus pygargus*; *Felis silvestris*; *Hippopotamus amphibius*; *Homo sapiens*; *Hystrix africaeaustralis*; *Orycteropus afer*; *Ourebia ourebi*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Proteles cristata*; *Raphicerus campestris*; *Redunca arundinum*; *Taurotragus oryx*. References: Klein (1980); Meester (1980).

- Drotsky's Cave** (2002:2125). Taxa: *Damaliscus pygargus*; *Dendromus*; *Diceros bicornis*; *Equus burchellii*; *Gerbilliscus brantsii* cf.; *Gerbilliscus leucogaster* cf.; *Gerbillurus paeba*; *Hystrix africae australis*; *Mystromys albicaudatus*; *Otomys angoniensis* cf.; *Parahyaena brunnea*; *Pedetes capensis*; *Raphicerus campestris*; *Steatomys*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus strepsiceros*. References: Robbins *et al.* (1996); Yellen *et al.* (1987).
- Duiker Eiland** (3405:1832). Taxa: *Bathyergus suillus*; *Chlorotalpa sclateri*; *Crocidura flavescens*; *Felis silvestris*; *Georchus capensis*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Myosorex varius*; *Myotomys unisulcatus* cf.; *Raphicerus sp.*; *Rhabdomys pumilio*; *Sylvicapra grimmia*. References: Robertshaw (1979).
- Duinefontein** (3343:1827). Taxa: *Damaliscus pygargus*; *Dendromus*; *Diceros bicornis*; *Equus burchellii*; *Gerbilliscus brantsii* cf.; *Gerbilliscus leucogaster* cf.; *Gerbillurus paeba*; *Hystrix africae australis*; *Mystromys albicaudatus*; *Otomys angoniensis* cf.; *Parahyaena brunnea*; *Pedetes capensis*; *Raphicerus campestris*; *Steatomys*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus strepsiceros*. References: Brophy *et al.* (2014); Cruz-Uribe *et al.* (2003); Klein (1976b); Klein and Cruz-Uribe (1991); Klein *et al.* (1999a); Robbins *et al.* (1996); Yellen *et al.* (1987).
- Durban Country Club** (2950:3102). Taxa: *Homo sapiens*. References: Galloway (1936).
- Dzata** (2250:3015). Taxa: *Aethomys chrysophilus*; *Alcelaphus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Connochaetes taurinus*; *Hippotragus*; *Lepus saxatilis*; *Loxodonta africana*; *Procavia capensis*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus angasii*. References: De Wet-Bronner (1995a); Plug (2000).
- Dzombo Shelter** (2229BA). Taxa: *Aepyceros melampus*; *Hystrix africae australis*; *Mellivora capensis*; *Oreotragus oreotragus*; *Papio ursinus*; *Procavia capensis*; *Raphicerus campestris* cf.; *Sylvicapra grimmia*. References: Forssman (2014).
- Eiland Salt Works** (2330:3025). Taxa: *Aepyceros melampus*; *Bos taurus*; *Connochaetes taurinus*; *Equus burchellii*; *Hippotragus niger*; *Kobus ellipsiprymnus*; *Lepus saxatilis*; *Phacochoerus africanus*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*. References: Plug (1999a).
- Elands Bay Cave** (3218:1820). Taxa: *Acomys subspinosus*; *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Atelerix frontalis*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Chrysochloris asiatica*; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptochloris zyli*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Diceros bicornis*; *Elephantulus edwardii*; *Elephantulus rupestris*; *Eremitalpa granti*; *Equus capensis*; *Equus quagga*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Georchus capensis*; *Graphiurus ocellatus*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus leucophaeus*; *Homo sapiens*; *Hystrix africae australis*; *Ictonyx striatus*; *Loxodonta africana*; *Mellivora capensis*; *Micaelamys namquensis*; *Mus minutoides*; *Myomyscus verreauxii*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Otomys irroratus*; *Otomys saundersiae*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Redunca arundinum*; *Rhabdomys pumilio*; *Steatomys krebsii*; *Suncus varilla*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Vulpes chama*. References: Avery (unpublished); Dusseldorp *et al.* (2013); Jerardino *et al.* (2013); Klein and Cruz-Uribe (1987); Klein *et al.* (2007); Pfeiffer (2013).
- Elands Bay Open** (3218:1819). Taxa: *Alcelaphus buselaphus*; *Bathyergus suillus*; *Canis*; *Caracal caracal*; *Felis silvestris*; *Galerella pulverulenta*; *Herpestes ichneumon*; *Hystrix africae australis*; *Mellivora capensis*; *Ovis aries*; *Papio ursinus*; *Procavia capensis*; *Raphicerus*;

- Sylvicapra grimmia*; *Taurotragus oryx*. References: Jerardino *et al.* (2013); Klein and Cruz-Uribe (1987).
- Equus Cave** (2737:2438). Taxa: *Antidorcas marsupialis*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes taurinus*; *Crocota crocuta*; *Cynictis penicillata*; *Damaliscus pygargus*; *Felis nigripes*; *Felis silvestris*; *Herpestes ichneumon*; *Homo sapiens*; *Hystrix africae australis*; *Mellivora capensis*; *Orycteropus afer*; *Otocyon megalotis*; *Ovis aries*; *Panthera pardus*; *Parahyaena brunnea*; *Pedetes capensis*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*. References: Brophy *et al.* (2014); Cruz-Uribe (1991); Grine and Klein (1985); Klein *et al.* (1991); Kuhn *et al.* (2016); McKee (1994); McKee *et al.* (1995).
- Esikhunjini** (2529BD). Taxa: *Aepyceros melampus* cf.; *Bos taurus*; *Connochaetes taurinus* cf.; *Equus*; *Homo sapiens*; *Lepus saxatilis*; *Orycteropus afer* cf.; *Ovis aries*; *Pedetes capensis*; *Raphicerus campestris*; *Redunca arundinum* cf.; *Taurotragus oryx* cf.; *Tragelaphus strepsiceros*. References: Nelson (2008, 2009).
- eSinhlonhweni** (2851:3010). Taxa: *Amblysomus hottentotus*; *Canis*; *Felis silvestris*; *Genetta*; *Hippotragus*; *Hystrix africae australis*; *Lepus*; *Mastomys natalensis*; *Micaelamys namaquensis*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Papio ursinus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Tragelaphus scriptus*. References: Avery (1991b); Mazel (1986b).
- Etemba** (2127:1537). Taxa: *Bathyergus suillus*; *Caracal caracal*; *Equus*; *Homo sapiens*; *Pedetes capensis*; *Procavia capensis*; *Raphicerus campestris*. References: Cruz-Uribe and Klein (1981–1983).
- Fackelträger** (2134:1532). Taxa: *Antidorcas marsupialis*; *Diceros bicornis*; *Petromus*; *Procavia*; *Raphicerus campestris*. References: Brain (1981); Thackeray (1979).
- Fairview** (3232:2634). Taxa: *Amblysomus hottentotus*; *Antidorcas marsupialis*; *Aonyx capensis*; *Atilax paludinosus*; *Canis mesomelas*; *Chlorocebus aethiops*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Dasymys incomtus*; *Dendromus mesomelas*; *Equus*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Georychus capensis*; *Herpestes ichneumon*; *Hippotragus equinus* cf.; *Hippotragus leucophaeus*; *Hystrix africae australis*; *Lycaon pictus*; *Myosorex varius*; *Orycteropus afer*; *Otomys irroratus*; *Otomys laminatus*; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Rhinolophus capensis*; *Rhinolophus clivosus*; *Syncerus caffer*; *Taurotragus oryx*; *Thallomys paeuducus*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*; *Vulpes chama*. References: Avery (1984a); Klein (1984b).
- Faraoskop Rock Shelter** (3207:1836). Taxa: *Atelrix frontalis*; *Homo sapiens*; *Hystrix africae australis*; *Phacochoerus africanus*?; *Procavia capensis*. References: Manhire (1993); Pfeiffer (2013).
- Ficus Cave** (2429). Taxa: *Canis lupus*; *Equus burchellii*; *Felis silvestris*; *Homo sapiens*; *Orycteropus afer*; *Procavia capensis*. References: Partridge (1966).
- Forest Hall** (3354:2220). Taxa: *Hippopotamus amphibius*; *Hippotragus leucophaeus* cf. References: Wilson (1988).
- Geduld** (2017:1550). Taxa: *Alcelaphus*; *Equus*; *Genetta*; *Gerbilliscus*; *Madoqua*; *Ovis aries*; *Rhabdomys*; *Saccostomus*; *Steatomys*; *Sylvicapra grimmia*; *Thallomys*. References: Smith and Jacobson (1995); Smith *et al.* (1995).
- Gehle** (2907:2954). Taxa: *Canis mesomelas* cf.; *Caracal caracal*; *Chlorocebus aethiops*; *Chrysospalax villosus*; *Cryptomys hottentotus*; *Felis silvestris*; *Georychus capensis*; *Hystrix*

africae australis; *Myosorex*; *Mystromys albicaudatus*; *Otomys irroratus* cf.; *Ourebia ourebi*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Smutsia temminckii*. References: Avery (1991b); Mazel (1984a).

Ghoenkop. See Hill X.

Girls' School (2114). Taxa: *Procavia capensis*. References: Cruz-Urbe and Klein (1981–1983).

Gladysvale (2553:2746). Other names: Uitkomst. Taxa: *Aepyceros melampus*; *Equus burchellii*; *Hippotragus equinus*; *Redunca arundinum*. References: Avery (1995a); Berger (1992, 1993); Broom (1937a, 1948a); Churcher (1956); Cooke (1962); Freedman (1970); Lacruz *et al.* (2002, 2003); Meester (1961a); Reynolds (2010b).

Glen Elliott (3025DC). Taxa: *Antidorcas marsupialis*; *Canis*; *Cynictis penicillata*; *Damaliscus pygargus?*; *Equus*; *Hystrix africae australis*; *Orycteropus afer*; *Papio ursinus*; *Pedetes capensis*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Taurotragus oryx*. References: Klein (1979a).

Glennel (2229). Taxa: *Homo sapiens*. References: De Villiers (1980); Steyn and Nienaber (2000).

Glentyre (3401:2240). Taxa: *Alcelaphus caama*; *Equus*; *Galerella pulverulenta?*; *Genetta?*; *Hippopotamus amphibius*; *Hippotragus leucophaeus?*; *Panthera pardus?*; *Papio ursinus*; *Potamochoerus larvatus*; *Raphicerus*; *Syncerus caffer*; *Taurotragus oryx?*. References: Fagan (1960); Wells (1960).

Godwan River (2535:3038). Taxa: *Pronolagus intermedius*. References: Jameson (1909).

Goedgeloof Middens (3424). Taxa: *Alcelaphus buselaphus*; *Bos taurus* cf.; *Canis*; *Damaliscus*; *Diceros bicornis*; *Equus*; *Felis*; *Hippopotamus amphibius*; *Lepus*; *Ovis aries*; *Panthera leo*; *Raphicerus*; *Sylvicapra grimmia*; *Syncerus*; *Tragelaphus strepsiceros*. References: Binneman (2004/2005).

Gokomere Tunnel (2005:2835). Taxa: *Bos taurus*; *Homo sapiens*. References: Shee (1963).

Good Hope Shelter (2939:2926). Taxa: *Alcelaphus buselaphus*; *Bos taurus*; *Damaliscus pygargus*; *Equus*; *Oreotragus oreotragus*; *Ourebia ourebi*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus melanotis* cf.; *Redunca fulvorufula*; *Taurotragus oryx*. References: Cable *et al.* (1980).

Gordons Bay (3409:1852). Taxa: *Alcelaphus caama*; *Atilax paludinosus*; *Canis*; *Cryptomys hottentotus*; *Georychus capensis* cf.; *Gerbilliscus*; *Hippotragus leucophaeus* cf.; *Homo sapiens*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Papio*; *Pelea capreolus?*; *Procavia capensis*; *Raphicerus*; *Vulpes chama?*. References: Pfeiffer (2013); Van Noten (1974).

Grassridge (3134:2651). Taxa: *Antidorcas marsupialis*; *Canis mesomelas*; *Damaliscus dorcas*; *Equus*; *Felis silvestris*; *Galerella pulverulenta*; *Lepus capensis*; *Orycteropus afer*; *Ovis aries*; *Panthera pardus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Pronolagus crassicaudatus*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Collins *et al.* (2017); Opperman (1987).

Great Zimbabwe (2016:3056). Taxa: *Bos taurus*; *Canis lupus*; *Felis silvestris* cf.; *Homo sapiens*; *Lepus*; *Panthera pardus*; *Sylvicapra grimmia*; *Tragelaphus scriptus*. References: Brain (1974).

Green Point Cape Town (3354:1824). Taxa: *Homo sapiens*. References: Pfeiffer (2013).

Groenriviermond (3030:1721). Taxa: *Homo sapiens*; *Parotomys*. References: Jerardino *et al.* (1992).

Groot Kommandokloof Shelter (3340:2407). Taxa: *Equus zebra* cf.; *Lepus*; *Oreotragus oreotragus*; *Procavia capensis*; *Raphicerus*. References: Binneman (1999); Pearce (2008).

- Grootrif G** (3210:1819). Taxa: *Bathyergus suillus*; *Canis*; *Felis silvestris*; *Genetta*; *Ovis aries*; *Procavia capensis*; *Raphicerus*; *Sylvicapra grimmia*. References: Jerardino (2007).
- Gwenzi II Hill** (1914:3231). Taxa: *Equus burchellii*; *Lepus saxatilis*; *Orycteropus afer*; *Rattus* cf.; *Smutsia temminckii*; *Thryonomys swinderianus*. References: Katsamudanga (2007a, 2007b); Mupira and Katsamudanga (2007).
- Ha Makotoko** (2920:2748). Taxa: *Antidorcas australis*; *Canis mesomelas*; *Connochaetes gnou*; *Equus burchellii*; *Hippotragus leucophaeus* cf.; *Homo sapiens*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Ourebia ourebi*; *Papio ursinus*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Taurotragus oryx*; *Xerus*. References: Plug (1997b).
- Haalenberg** (2640:1532). Taxa: *Equus*; *Felis silvestris* cf.; *Gerbillurus paebe* cf.; *Myotomys unisulcatus*; *Oreotragus oreotragus*; *Petromus typicus*; *Petromyscus collinus*; *Procavia capensis*; *Raphicerus campestris*. References: Thackeray (1979).
- Haaskraal** (3130:2420). Taxa: *Antidorcas australis*; *Atilax paludinosus*; *Bos taurus*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes gnou*; *Cynictis penicillata*; *Damaliscus pygargus*; *Equus asinus*; *Equus quagga*; *Felis silvestris*; *Galerella*; *Ichneumia albicauda*; *Ictonyx striatus*; *Lycaon pictus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Parahaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Suricata suricatta*; *Taurotragus oryx*; *Vulpes chama*. References: Plug (1999b); Plug et al. (1994); Plug and Sampson (1996).
- Hailstone Midden** (3218:1820). Taxa: *Galerella pulverulenta*; *Papio ursinus*; *Procavia capensis*; *Raphicerus*. References: Klein and Cruz-Urbe (1987); Noli (1988).
- Hamilton** (2229AD). Taxa: *Homo sapiens*. References: Boshoff and Steyn (2000).
- Hapi Pan** (2225:3120). Taxa: *Equus burchellii*; *Hippopotamus amphibius*; *Syncerus caffer*. References: Plug (2000).
- Happy Rest** (2303:2947). Taxa: *Bos taurus*; *Capra hircus*; *Equus burchellii*; *Lepus*; *Ovis aries*; *Panthera leo*; *Phacochoerus africanus*; *Sylvicapra grimmia*. References: Steyn and Nienaber (2000); Voigt and Plug (1984).
- Harleigh Farm** (1832CA). Taxa: *Bos taurus*; *Canis lupus*; *Equus burchellii*; *Heterohyrax brucei*; *Lepus*; *Loxodonta africana*; *Papio ursinus*; *Potamochoerus*. References: Fagan (1966).
- Harmony Salt Factory** (2411:3036). Taxa: *Aepyceros melampus*; *Bos taurus*; *Equus burchellii* cf.; *Kobus ellipsiprymnus*; *Phacochoerus africanus*; *Procavia capensis*; *Redunca arundinum* cf.; *Sylvicapra grimmia*; *Tragelaphus strepsiceros*. References: Chatterton et al. (1979); Welbourne (1974, 1979).
- Heuningneskrans** (2436:3039). Taxa: *Aepyceros melampus*; *Alcelaphus*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Canis*; *Equus burchellii*; *Hippopotamus amphibius*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Panthera leo*; *Papio ursinus*; *Parahaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus strepsiceros*. References: Klein (1984a).
- Highlands Rock Shelter** (3149:2534). Taxa: *Antidorcas marsupialis*; *Atelerix frontalis*; *Connochaetes gnou* cf.; *Equus*; *Hystrix africae australis*; *Lepus capensis*; *Oreotragus oreotragus*; *Phacochoerus africanus*; *Philantomba monticola*; *Procavia capensis*; *Pronolagus rupestris* cf.; *Proteles cristata*?; *Raphicerus campestris* cf.; *Redunca fulvorufula*; *Vulpes chama*. References: Deacon (1976).
- Hill X** (2355:3105). Other names: Ghoenkop. Taxa: *Aepyceros melampus*; *Bos taurus*; *Capra hircus*; *Caracal caracal*; *Connochaetes taurinus*; *Damaliscus lunatus*; *Felis silvestris*; *Giraffa*

camelopardalis; *Homo sapiens*; *Kobus ellipsiprymnus*; *Lepus capensis*; *Oreotragus oreotragus*; *Panthera leo*; *Phacochoerus africanus*; *Raphicerus campestris*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus strepsiceros*. References: Plug and Pistorius (1999).

Historic Cave (2429AA). Taxa: *Bos taurus*; *Canis lupus*; *Capra hircus*; *Equus quagga*; *Galago*; *Giraffa camelopardalis*; *Lepus capensis*; *Ovis aries*; *Papio ursinus*; *Procavia capensis*; *Pronolagus*; *Redunca arundinum*; *Syncerus caffer*. References: Le Roux *et al.* (2013).

Hlamba Mlonga Hill (1829DD). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis lupus*; *Capra hircus* cf.; *Connochaetes taurinus*; *Equus burchellii*; *Giraffa camelopardalis*; *Hippopotamus amphibius* cf.; *Lepus saxatilis*; *Oreotragus oreotragus*; *Ovis aries* cf.; *Papio ursinus*; *Procavia capensis*; *Raphicerus campestris*; *Thryonomys swinderianus*. References: Thorp (2009).

Hoekfontein (2536:2756). Taxa: *Bos taurus*; *Ovis aries*; *Procavia capensis*; *Tragelaphus strepsiceros*. References: Van Schalkwyk *et al.* (1999).

Honingklip I and V (2601:3048). Taxa: *Aepyceros melampus*; *Aethomys chrysophilus*; *Alcelaphus buselaphus* cf.; *Bos taurus*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes taurinus*; *Giraffa camelopardalis*; *Hippotragus equinus*; *Hippotragus niger* cf.; *Homo sapiens*; *Hystrix africae australis*; *Ictonyx striatus*; *Lepus saxatilis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys irroratus* cf.; *Ovis aries*; *Panthera pardus*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Proteles cristata*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Suricata suricatta*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Thryonomys*; *Tragelaphus strepsiceros* cf. References: Korsman and Plug (1994).

Hope Hill Shelter (2624:2856). Taxa: *Aepyceros melampus* cf.; *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Bos taurus*; *Canis mesomelas*; *Connochaetes gnou* cf.; *Connochaetes taurinus* cf.; *Crocodyrus*; *Crocodyrus*; *Cryptomys hottentotus*; *Damaliscus lunatus*; *Damaliscus pygargus*; *Equus burchellii*; *Felis silvestris*; *Gerbilliscus*; *Gerbillurus paeba*; *Hystrix africae australis*; *Lepus capensis*; *Mastomys natalensis*; *Mus musculus*; *Orycteropus afer*; *Oryx gazella* cf.; *Ovis aries*; *Panthera pardus*; *Parahyaena brunnea*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Rattus rattus*; *Sylvicapra grimmia*; *Thryonomys swinderianus* cf.; *Vulpes chama*. References: Wadley and Turner (1987).

Hout Bay (3403:1821). Taxa: *Homo sapiens*. References: Pfeiffer (2013).

Icon (2225:2915). Taxa: *Aepyceros melampus*; *Bos taurus*; *Capra hircus*; *Giraffa camelopardalis*; *Homo sapiens*; *Lepus*; *Ovis aries* cf.; *Phacochoerus africanus*; *Taurotragus oryx*. References: Plug (2000); Voigt (1979, 1980b).

Induna Cave (1829DD). Taxa: *Aepyceros melampus* cf.; *Connochaetes taurinus*; *Equus burchellii*; *Felis silvestris* cf.; *Giraffa camelopardalis*; *Orycteropus afer*; *Papio ursinus*; *Potamochoerus larvatus*; *Procavia capensis* cf.; *Raphicerus campestris*; *Sylvicapra grimmia* cf. References: Thorp (2010).

iNkolomahashi (2848:3011). Taxa: *Aepyceros melampus*; *Damaliscus pygargus*; *Genetta tigrina*; *Hystrix africae australis*; *Ictonyx striatus*; *Lepus saxatilis*; *Loxodonta africana*; *Oreotragus oreotragus*; *Ourebia ourebi*; *Ovis aries*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Pronolagus rupestris*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Smutsia temminckii*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Thryonomys swinderianus*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros* cf. References: Badenhorst (2003).

- Jagt Pan 7** (3030:2130). Taxa: *Antidorcas marsupialis*; *Canis mesomelas* cf.; *Cynictis* cf.; *Hystrix africae australis*; *Lepus capensis*; *Procavia capensis* cf.; *Raphicerus campestris*; *Redunca fulvorufula*. References: Badenhorst *et al.* (2015).
- Jakkalsberg** (2810:1653). Taxa: *Equus capensis*; *Ovis aries*. References: Brink and Webley (1996).
- Jubilee Shelter** (2542:2755). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Canis mesomelas* cf.; *Civettictis civetta*; *Connochaetes*; *Crocidura fuscomurina* cf.; *Crocidura hirta*; *Crocidura mariquensis* cf.; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Dasymys incomtus*; *Dendromys*; *Elephantulus*; *Equus burchellii*; *Gerbilliscus*; *Grammomys dolichurus*; *Graphiurus murinus* cf.; *Hippotragus niger* cf.; *Homo sapiens*; *Hystrix africae australis*; *Lemniscomys rosalia*; *Lepus*; *Mastomys natalensis*; *Mellivora capensis*; *Mus minutoides*; *Myosorex varius?*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys angoniensis* cf.; *Ourebia ourebi*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Rattus rattus*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Saccostomus campestris*; *Smutsia temminckii*; *Steatomys pratensis* cf.; *Sylvicapra grimmia*; *Tragelaphus scriptus*; *Vulpes chama*. References: Avery (1987a); G. Turner (1986).
- K2** (2225:2915). Taxa: *Aepyceros melampus*; *Aethomys chrysophilus*; *Bos taurus*; *Canis lupus*; *Canis mesomelas*; *Capra hircus*; *Connochaetes*; *Cryptomys*; *Cynictis penicillata*; *Equus burchellii*; *Hippopotamus amphibius*; *Homo sapiens*; *Ictonyx striatus*; *Leptailurus serval*; *Lepus saxatilis*; *Loxodonta africana*; *Mastomys natalensis*; *Ovis aries*; *Papio ursinus*; *Pedetes capensis*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Pronolagus randensis*; *Suncus lixus*; *Sylvicapra grimmia*. References: Plug (2000); Steyn and Nienaber (2000); Steyn *et al.* (1998, 1999); Voigt (1983).
- Kabeljous River Cave 1** (3424BB). Taxa: *Alcelaphus buselaphus*; *Equus*; *Homo sapiens*; *Hyaena*; *Pelea capreolus*; *Philantomba monticola*; *Procavia capensis*; *Raphicerus melanotis*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*. References: Binneman (2006/2007).
- Kadzi River** (1650:3020). Taxa: *Acinonyx jubatus*; *Aepyceros melampus*; *Atilax paludinosus*; *Bos taurus*; *Canis mesomelas* cf.; *Capra hircus*; *Chlorocebus aethiops*; *Equus burchellii*; *Giraffa camelopardalis*; *Heterohyrax brucei*; *Hippopotamus amphibius*; *Hippotragus niger* cf.; *Homo sapiens*; *Kobus ellipsiprymnus*; *Loxodonta africana*; *Lycaon pictus*; *Oreotragus oreotragus*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Raphicerus sharpei*; *Redunca arundinum*; *Rhynchogale melleri* cf.; *Sylvicapra grimmia*; *Syncerus caffer*; *Thryonomys swinderianus*; *Tragelaphus strepsiceros* cf. References: Plug (1997a); Pwiti (1996); Shenjere-Nyabezi *et al.* (2013).
- Kamukombe** (1630BD). Taxa: *Aepyceros melampus*; *Bos taurus* cf.; *Kobus ellipsiprymnus* cf.; *Lepus saxatilis*; *Phacochoerus africanus*; *Procavia capensis*; *Tragelaphus strepsiceros*. References: Shenjere-Nyabezi *et al.* (2013).
- Kapako** (1755:1940). Taxa: *Hippopotamus amphibius*. References: Sandelowsky (1979).
- Karepan** (2730:2536). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes gnou*; *Crocota crocuta*; *Damaliscus pygargus*; *Equus quagga* cf.; *Felis silvestris*; *Hystrix africae australis*; *Lepus*; *Lycaon pictus*; *Orycteropus afer*; *Parahyaena brunnea*; *Phacochoerus*; *Proteles cristata*; *Raphicerus campestris*; *Taurotragus oryx*; *Vulpes chama*. References: Brink (2005).
- Karridene** (3008:3050). Taxa: *Homo sapiens*. References: Galloway and Wells (1934).
- Kasteelberg** (3249:1757). Taxa: *Alcelaphus buselaphus*; *Atilax paludinosus*; *Bathyerger suillus*; *Bos taurus*; *Canis*; *Caracal caracal*; *Diceros bicornis*; *Equus capensis* cf.; *Equus*

quagga cf.; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Herpestes ichneumon*; *Hystrix africaeaustralis*; *Ictonyx striatus*; *Lepus*; *Loxodonta africana*; *Mellivora capensis*; *Orycteropus afer*; *Ovis aries*; *Panthera pardus*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Vulpes chama*. References: Klein (1986); Klein and Cruz-Urbe (1989); Sadr (2007); Smith and Mütti (2013).

Katarakt (2110:1430). Taxa: *Canis*. References: Van Neer and Breunig (1999).

Khami Hill (2009:2823). Taxa: *Acinonyx jubatus*; *Bos taurus*; *Canis*; *Civettictis civetta*; *Equus burchellii*; *Felis silvestris*; *Genetta*; *Galerella sanguinea*; *Leptailurus serval*; *Lycaon pictus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Panthera leo*; *Panthera pardus*; *Pedetes capensis*; *Potamochoerus larvatus*; *Raphicerus campestris*; *Rattus rattus* cf.; *Sylvicapra grimmia*. References: Thorp (1984).

Khartoum 1 (2916:2444). Taxa: *Antidorcas marsupialis*. References: Klein (1979a).

Klasies River (3406:2424). Taxa: *Alcelaphus buselaphus*; *Aonyx capensis*; *Canis mesomelas*; *Genetta?*; *Hippopotamus amphibius*; *Homo sapiens*; *Hystrix africaeaustralis*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus melanotis*; *Redunca fulvorufula*; *Syncerus caffer*; *Taurotragus oryx*. References: Avery (1987b, 1995b); Brophy et al. (2014); Grine et al. (1998); Henderson (1992); Klein (1975b, 1976a); McKee et al. (1995); Pearce (2008); Rightmire and Deacon (1991); Van Pletzen (2000); Wadley (2015).

Klein Kliphuis (3207:1851). Taxa: *Antidorcas marsupialis*; *Bathyergus suillus*; *Galerella pulverulenta*; *Genetta*; *Lepus saxatilis*; *Myotomys unisulcatus* cf.; *Ovis aries*; *Procavia capensis*; *Raphicerus melanotis* cf. References: Avery (1992).

Klein Spitzkoppe (2152:1503). Taxa: *Antidorcas australis*; *Felis silvestris*; *Raphicerus campestris*. References: Cruz-Urbe and Klein (1981–1983).

Klein Witkrans. See Little Witkrans.

Klingbeil (2506:3030). Taxa: *Bos taurus*. References: Evers (1980).

Klipfonteinrand (3218BB). Taxa: *Acomys subspinosus*; *Chlorotalpa sclateri*; *Crociodura cyanea*; *Crociodura flavescens*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Elephantulus edwardii*; *Georychus capensis*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Graphiurus ocellaris*; *Homo sapiens*; *Micaelamys namaquensis*; *Myomyscus verreauxii*; *Myosorex varius*; *Mystromys albicaudatus*; *Myotomys unisulcatus*; *Neoromicia capensis*; *Otomys irroratus*; *Otomys saundersiae*; *Rhabdomys pumilio*; *Steatomys krebsii*; *Suncus varilla*. References: Avery (unpublished); Pfeiffer (2013).

Klipspruit (2530:3020). Taxa: *Bos taurus*; *Canis adustus* cf.; *Canis lupus* cf.; *Connochaetes taurinus*; *Homo sapiens*; *Loxodonta africana*; *Pelea capreolus*; *Phacochoerus africanus*. References: Plug (1999a).

KN2005-0041 (3014:1715). Taxa: *Bos taurus*. References: Orton et al. (2013).

KN6-3C (3013:1714). Taxa: *Elephantulus edwardii*; *Felis silvestris*; *Lepus capensis*; *Otocyon megalotis*; *Parotomys brantsii*; *Raphicerus campestris*. References: Dewar (2007).

Knysna Heads (3423BB). Taxa: *Homo sapiens*. References: Dusseldorp et al. (2013).

Komkans 2 (3115:1803). Taxa: *Bathyergus suillus*; *Bos taurus*; *Canis*; *Caracal caracal*; *Equus*; *Felis silvestris*; *Hystrix africaeaustralis*; *Ictonyx striatus*; *Mellivora capensis*; *Orycteropus afer*; *Papio ursinus*; *Procavia capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*. References: Orton (2014).

Kommando Kop. See Commando Kop

Kommetjie (3409:1819). Taxa: *Homo sapiens*. References: Pfeiffer (2013).

KoNomtjarhelo (2529). Taxa: *Capra hircus*; *Lepus*; *Ovis aries*. References: Nelson (2008).

- Kouga** (3323). Taxa: *Homo sapiens*. References: Steyn *et al.* (2007).
- Kougha Dam** (3325DA). Taxa: *Homo sapiens*. References: De Villiers (1965).
- Kreeftebaai** (3308:1759). Taxa: *Bathyergus suillus*; *Bos taurus*; *Procavia capensis*. References: Smith *et al.* (1991).
- Kruger Cave** (2545:2715). Taxa: *Antidorcas bondi*. References: Brown and Verhagen (1985).
- Kuidas Spring** (2114). Taxa: *Antidorcas marsupialis*; *Equus*; *Lepus*; *Oryx gazella* cf.; *Petromus typicus*; *Procavia capensis*; *Tragelaphus strepsiceros* cf. References: Badenhorst (2014); Badenhorst *et al.* (2016b).
- Kumukams** (2541:1716). Taxa: *Bathyergus suillus*; *Canis mesomelas*; *Cynictis penicillata*; *Ovis aries*; *Procavia capensis*; *Raphicerus campestris*. References: Cruz-Urbe and Klein (1981–1983).
- KV502** (2930:1703). Taxa: *Canis*; *Elephantulus edwardii*; *Gerbillurus paeba*; *Myotomys unisulcatus*; *Parotomys brantsii*; *Pedetes capensis*; *Rhabdomys pumilio*. References: Dewar (2007); Dewar and Jerardino (2007).
- KwaGandaganda** (2941:3050). Taxa: *Aepyceros melampus*; *Atilax paludinosus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Chlorocebus aethiops*; *Equus burchellii*; *Felis silvestris*; *Genetta tigrina*; *Hippopotamus amphibius*; *Loxodonta africana*; *Otolemur crassicaudatus*; *Ovis aries*; *Panthera pardus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Smutsia temminckii*; *Sylvicapra grimmia*; *Syncerus caffer*. References: Whitelaw (1994).
- KwaMaza A & B** (2529BD). Taxa: *Aepyceros melampus* cf.; *Bos taurus*; *Caracal caracal* cf.; *Equus*; *Genetta genetta*; *Ovis aries*; *Syncerus caffer*; *Taurotragus oryx*. References: Nelson (2008, 2009).
- KwaThwaleyakhe** (2855:3027). Taxa: *Alcelaphus buselaphus*; *Aonyx capensis*; *Canis mesomelas*; *Caracal caracal*; *Chlorocebus aethiops*; *Connochaetes gnou* cf.; *Connochaetes taurinus*; *Damaliscus pygargus*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Ourebia ourebi*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Smutsia temminckii*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Thryonomys swinderianus*. References: Mazel (1993); Plug (1993b).
- Lame Sheep Shelter** (3127:2439). Taxa: *Alcelaphus buselaphus*; *Antidorcas australis*; *Atilax paludinosus*; *Canis mesomelas*; *Connochaetes gnou*; *Connochaetes taurinus* cf.; *Damaliscus pygargus*; *Diceros bicornis*; *Equus quagga*; *Ictonyx striatus*; *Oreotragus oreotragus*; *Ovis aries*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Suricata suricatta*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Vulpes chama*. References: Plug (1993a, 1999b); Plug and Sampson (1996).
- Langdraai** (2530:3020). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis mesomelas*; *Connochaetes taurinus*; *Panthera leo*; *Pelea capreolus*; *Phacochoerus africanus*; *Raphicerus campestris*; *Syncerus caffer*. References: Plug (1999a).
- Langebaan** (3305:1802). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Lanlory** (1658:2941). Taxa: *Phacochoerus africanus*; *Potamochoerus larvatus*; *Thryonomys swinderianus*?. References: Huffman (1979a).
- Le 6, 7a and 7b** (2350:3140). Taxa: *Aepyceros melampus*; *Aonyx capensis*; *Bos taurus*; *Chlorocebus aethiops*; *Civettictis civetta*; *Connochaetes taurinus*; *Cryptomys hottentotus*; *Damaliscus lunatus*; *Equus burchellii*; *Gerbillurus paeba*; *Giraffa camelopardalis*;

- Hippopotamus amphibius*; *Hippotragus equinus*; *Hippotragus niger*; *Kobus ellipsiprymnus*; *Orycteropus afer*; *Panthera leo*; *Papio ursinus*; *Pedetes capensis*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Pronolagus*; *Raphicerus campestris*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Thryonomys swinderianus*. References: Plug (1989).
- Leeuhoek** (3130:2435). Taxa: *Antidorcas australis*; *Bos taurus*; *Canis lupus*; *Canis mesomelas*; *Capra hircus*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus quagga*; *Oreotragus oreotragus*; *Ovis aries*; *Papio ursinus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Vulpes chama*. References: Plug (1999b); Plug and Sampson (1996).
- Leeukop** (2212:2858). Taxa: *Aepyceros melampus*; *Connochaetes taurinus*; *Crocota crocuta*; *Equus burchellii*; *Felis silvestris?*; *Hystrix africae australis*; *Lepus saxatilis* cf.; *Mastomys*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Paraxerus cepapi*; *Pedetes capensis*; *Phacochoerus africanus*; *Procavia capensis* cf.; *Raphicerus campestris*; *Saccostomus*; *Sylvicapra grimmia*; *Syncerus caffer*; *Thryonomys swinderianus*. References: Gautier and Van Waarden (1981).
- Leholamogoa** (2850:2316). Taxa: *Procavia capensis*; *Redunca fulvorufula*. References: Holt (2009).
- Lekkerwater** (1805:3142). Taxa: *Aepyceros melampus*; *Bos taurus*; *Capra hircus*; *Connochaetes taurinus*; *Cryptomys hottentotus*; *Equus burchellii*; *Lepus*; *Papio ursinus*; *Potamochoerus larvatus*; *Procavia capensis*; *Sylvicapra grimmia*. References: G. Turner (1984).
- Leliehoek** (2921:2726). Taxa: *Alcelaphus*; *Antidorcas marsupialis*; *Connochaetes*; *Damaliscus pygargus*; *Felis silvestris*; *Genetta genetta*; *Hystrix africae australis*; *Lepus*; *Otomys irroratus*; *Pedetes capensis*; *Phacochoerus africanus*; *Procavia capensis*; *Sylvicapra grimmia*. References: Esterhuysen *et al.* (1994).
- Lemoenfontein** (2924). Taxa: *Phacochoerus africanus*; *Raphicerus campestris*. References: Klein (1979a).
- Leopard Cave** (2134:1533). Taxa: *Ovis aries*. References: Pleurdeau *et al.* (2012).
- Leqhetsoana** (2927:2736). Taxa: *Antidorcas marsupialis*; *Bos taurus*; *Capra hircus*; *Connochaetes gnou*; *Damaliscus pygargus*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Pedetes capensis*; *Phacochoerus africanus*; *Procavia capensis*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Mitchell *et al.* (1994); Plug (1997b).
- Letsibogo Dam** (2127). Taxa: *Bos taurus*; *Equus burchellii*; *Lepus* cf.; *Procavia capensis*. References: Huffman and Kinahan (2002/2003).
- Likoaeng** (2944:2845). Taxa: *Aonyx capensis*; *Atilax paludinosus*; *Bos taurus*; *Canis mesomelas*; *Caracal caracal*; *Chlorocebus aethiops*; *Cryptomys hottentotus* cf.; *Homo sapiens* cf.; *Hystrix africae australis*; *Lepus saxatilis*; *Mastomys natalensis*; *Mellivora capensis* cf.; *Oreotragus oreotragus*; *Otomys irroratus*; *Ovis aries* cf.; *Panthera pardus*; *Papio ursinus*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Plug *et al.* (2003).
- Limerock 1 and 2** (2833:2408). Taxa: *Aethomys chrysophilus*; *Alcelaphus buselaphus*; *Connochaetes gnou*; *Crocidura cyanea* cf.; *Crocidura fuscomurina*; *Crocidura hirta*; *Cryptomys hottentotus*; *Cynictis penicillata*; *Desmodillus auricularis*; *Eptesicus hottentotus*; *Equus quagga* cf.; *Felis silvestris*; *Gerbilliscus brantsii*; *Graphiurus murinus*; *Hippotragus*; *Malacothrix typica*; *Mastomys natalensis*; *Miniopterus natalensis*; *Mystromys albicaudatus*; *Neoromicia capensis*; *Papio ursinus?*; *Pedetes capensis*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Rhabdomys pumilio*; *Saccostomus campestris*; *Sylvicapra grimmia*; *Tragelaphus strepsiceros*. References: Humphreys and Thackeray (1983); Klein (1979a).

- Liphofung** (2944:2827). Taxa: *Atilax paludinosus*; *Bos taurus*; *Canis mesomelas*; *Connochaetes gnou*; *Damaliscus pygargus*; *Felis silvestris*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Ourebia ourebi*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Procapra capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sus scrofa*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Xerus*. References: Plug (1997b).
- Lithakong** (2923:2810). Taxa: *Caracal caracal* cf.; *Chlorocebus*; *Crocidura*; *Damaliscus pygargus* cf.; *Hippotragus*; *Myosorex*; *Oreotragus oreotragus*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Procapra capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Brink (2012).
- Little Witkrans** (2740:2437). Other names: Klein Witkrans. Taxa: *Equus burchellii*. References: Humphreys (1978); Klein (1979a).
- LK2004-011** (3022:1718). Taxa: *Antidorcas marsupialis*; *Caracal caracal*; *Elephantulus edwardii*; *Felis silvestris*; *Genetta genetta*; *Gerbillurus paeba*; *Micaelamys namaquensis*; *Parotomys brantsii*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Vulpes chama*. References: Dewar (2007).
- LK5-1** (3023:1718). Taxa: *Felis silvestris*; *Lepus capensis*; *Raphicerus campestris*. References: Dewar (2007).
- Lotshitshi** (1923CD). Taxa: *Bos taurus*; *Canis mesomelas*; *Connochaetes*; *Equus burchellii*; *Giraffa camelopardalis*; *Hystrix africae australis*; *Lepus*; *Pedetes capensis*; *Phacochoerus africanus*; *Sylvicapra grimmia*. References: G. Turner (1987b).
- Lower Numas Cave** (2114). Taxa: *Equus*; *Procapra capensis*. References: Cruz-Uribe and Klein (1981–1983).
- Lydenburg Heads Site** (2506:3030). Taxa: *Bos taurus*; *Ovis aries* cf.; *Procapra*; *Sylvicapra grimmia*. References: De Villiers (1982); Voigt (1982).
- Ma 38** (2305:3130). Taxa: *Canis mesomelas*; *Connochaetes taurinus*; *Equus burchellii*; *Giraffa camelopardalis*; *Hippotragus equinus*; *Hystrix africae australis*; *Orycteropus afer*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Pronolagus*; *Raphicerus campestris*. References: Plug (1989).
- Ma 4** (2330:3150). Taxa: *Aepyceros melampus*; *Bos taurus*; *Equus burchellii*. References: Plug (1989).
- Mabjanamatshwana** (2627). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Connochaetes taurinus*; *Diceros bicornis*; *Equus quagga*; *Giraffa camelopardalis*; *Hippotragus equinus*; *Loxodonta africana*; *Ovis aries*; *Phacochoerus africanus*; *Procapra capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus strepsiceros*. References: Plug and Badenhorst (2006).
- Mabveni** (1956:3046). Taxa: *Bos taurus*; *Equus burchellii*. References: Huffman (1975); Thorp (1979).
- Magogo** (2853:3017). Taxa: *Aethomys chrysophilus*; *Bos taurus*; *Canis adustus*; *Canis lupus*; *Canis mesomelas*; *Capra hircus*; *Homo sapiens*; *Mastomys natalensis*; *Ovis aries*; *Panthera pardus*; *Pelea capreolus*; *Potamochoerus larvatus*; *Sylvicapra grimmia*; *Tragelaphus angasii*; *Tragelaphus scriptus*. References: Arnold (2008); Voigt (1984).
- Maguams Andalusia** (2516DB). Taxa: *Canis mesomelas*; *Equus*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Ovis aries*; *Pedetes capensis*; *Procapra capensis*; *Raphicerus campestris*. References: Cruz-Uribe and Klein (1981–1983).
- Maguams Elephant** (2516DB). Taxa: *Equus*; *Papio ursinus*; *Procapra capensis*; *Raphicerus campestris*. References: Cruz-Uribe and Klein (1981–1983).

- Makgabeng** (2328BB). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Bos taurus*; *Canis mesomelas*; *Capra hircus*; *Connochaetes taurinus*; *Damaliscus pygargus*; *Equus burchellii*; *Felis silvestris*; *Hippotragus equinus*; *Lepus saxatilis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Ovis aries*; *Panthera pardus*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Sylvicapra grimmia*. References: Van Schalkwyk (2000).
- Malumba** (2231). Taxa: *Aepyceros melampus*; *Bos taurus*; *Caracal caracal*; *Connochaetes taurinus*; *Equus burchellii*; *Felis silvestris*; *Heterohyrax brucei*; *Hippotragus niger*; *Lepus saxatilis*; *Loxodonta africana*; *Oreotragus oreotragus*; *Ovis aries*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Rattus rattus* cf.; *Sylvicapra grimmia*; *Taurotragus oryx*; *Thryonomys swinderianus*; *Tragelaphus strepsiceros*. References: Manyanga (2001); Manyanga et al. (2000); Shenjere-Nyabezi et al. (2013).
- Mamaetla** (2852:2314). Taxa: *Pedetes capensis*; *Procavia capensis*. References: Holt (2009).
- Mamba** (2857:3103). Taxa: *Aepyceros melampus*; *Atilax paludinosus*; *Bos taurus*; *Canis lupus*; *Canis mesomelas*; *Capra hircus*; *Felis silvestris*; *Hippopotamus amphibius*; *Kobus ellipsiprymnus*; *Loxodonta africana*; *Ovis aries*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Tragelaphus scriptus*. References: Arnold (2008); Voigt and Peters (1994b).
- Mananzve Hill** (2136:2857). Taxa: *Aepyceros melampus*; *Bos taurus*; *Oreotragus oreotragus*; *Sylvicapra grimmia*; *Tragelaphus strepsiceros*. References: Nyamushosho (2016).
- Manjowe Rock Shelters** (1932). Taxa: *Bos taurus* cf.; *Equus burchellii*; *Heterohyrax brucei*; *Homo sapiens*; *Lepus saxatilis*; *Otolemur crassicaudatus*; *Ovis aries*; *Rattus rattus*; *Sylvicapra grimmia*; *Thryonomys swinderianus*. References: Katsamudanga (2007a, 2007b); Mupira and Katsmudanga (2007).
- Mantenge Shelter** (2027). Taxa: *Heterohyrax brucei*; *Pedetes capensis*; *Phacochoerus africanus*; *Procavia capensis*; *Pronolagus*. References: De Villiers (1987); Walker (1994).
- Manyikeni** (2214:3448). Taxa: *Bos taurus*; *Capra hircus*; *Diceros bicornis*; *Equus burchellii*; *Hippopotamus amphibius*; *Loxodonta africana*; *Ovis aries*; *Phacochoerus*; *Syncerus caffer*. References: Sigvallius (1988).
- Mapotini Hill** (2355:3105). Taxa: *Aepyceros melampus*; *Connochaetes taurinus*; *Equus burchellii*; *Homo sapiens*; *Phacochoerus africanus*. References: Plug and Pistorius (1999).
- Mapungubwe** (2225:2915). Taxa: *Aepyceros melampus*; *Aethomys chrysophilus*; *Bos taurus*; *Canis lupus*; *Canis mesomelas*; *Capra hircus*; *Chlorocebus aethiops*; *Connochaetes*; *Crociodura cyanea*; *Cryptomys*; *Equus burchellii*; *Felis silvestris*; *Hippopotamus amphibius*; *Homo sapiens*; *Hystrix africae australis*; *Lepus*; *Loxodonta africana*; *Lycaon pictus*; *Mastomys natalensis*; *Oreotragus oreotragus*; *Ovis aries*; *Papio ursinus*; *Parahyaena brunnea*; *Pedetes capensis*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Pronolagus randensis*; *Raphicerus campestris*; *Suncus lixus*; *Sylvicapra grimmia*; *Thryonomys swinderianus*; *Tragelaphus strepsiceros*. References: Badenhorst et al. (2011a); Plug (2000); Voigt (1983).
- Maqonqo** (2821:3025). Taxa: *Aepyceros melampus*; *Amblysomus hottentotus*?; *Canis mesomelas*; *Caracal caracal*; *Chlorocebus aethiops*; *Connochaetes taurinus*; *Crociodura flavescens*; *Cryptomys hottentotus*; *Cynictis penicillata* cf.; *Damaliscus pygargus*; *Dasymys incomtus*; *Elephantulus myurus*?; *Equus burchellii*; *Felis silvestris*; *Genetta*; *Gerbilliscus brantsii*?; *Giraffa camelopardalis* cf.; *Hippotragus equinus*; *Homo sapiens*; *Hystrix africae australis*; *Lepus saxatilis*; *Lycaon pictus*; *Mellivora capensis*; *Mystromys*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys irroratus*; *Ourebia ourebi*; *Ovis aries*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Paraxerus cepapi*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*;

Procavia capensis; *Pronolagus rupestris*; *Proteles cristata*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Smutsia temminckii*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Thryonomys swinderianus*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Avery (1996); Plug (1996a).

Marupale Hill (2355:3105). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Connochaetes taurinus*; *Equus burchellii*; *Equus caballus*; *Felis silvestris*; *Giraffa camelopardalis*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Kobus ellipsiprymnus* cf.; *Lepus capensis*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum* cf.; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Thryonomys swinderianus*; *Tragelaphus strepsiceros* cf. References: Plug and Pistorius (1999).

Maselspoort (2902:2625). Taxa: *Connochaetes gnou*; *Homo sapiens*. References: Brink (1993, 2005).

Matanga (2052:2737). Taxa: *Bos taurus*; *Homo sapiens*. References: De Villiers (1987); Van Waarden (1987).

Matjies River Rock Shelter (3401:2325). Taxa: *Homo sapiens*; *Phacochoerus africanus*; *Rhinolophus clivosus*. References: Dreyer (1933); L'Abbé et al. (2008); Louw (1960).

Matlapaneng (1923CD). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis mesomelas* cf.; *Capra hircus*; *Connochaetes*; *Crocidura hirta* cf.; *Equus burchellii*; *Gerbilliscus brantsii* cf.; *Giraffa camelopardalis*; *Hystrix africae australis*; *Lepus*; *Lycaon pictus* cf.; *Otocyon megalotis* cf.; *Ovis aries*; *Pedetes capensis*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus*. References: G. Turner (1987b).

Mauermanshoek (2851:2714). Taxa: *Aepyceros melampus*; *Alcelaphus*; *Antidorcas marsupialis*; *Bos taurus*; *Canis mesomelas*; *Connochaetes*; *Crocuta crocuta*; *Cynictis penicillata*; *Damaliscus pygargus*; *Lepus*; *Oreotragus oreotragus*; *Otomys irroratus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Sylvicapra grimmia*. References: Wadley (2001).

MB2005-005 (3028:1722). Other names: Seal Midden. Taxa: *Felis silvestris*; *Parotomys brantsii*; *Raphicerus campestris*. References: Dewar (2007).

MB2005-119 (3028:1722). Taxa: *Raphicerus campestris*. References: Dewar (2007).

Mbabane (2845:3022). Taxa: *Crocidura cyanea* cf.; *Crocidura flavescens*; *Cryptomys hottentotus*; *Mastomys natalensis*; *Mus minutoides*; *Myosorex*; *Otomys irroratus* cf.; *Rhabdomys pumilio*; *Steatomys pratensis*. References: Avery (1991b); Mazel (1986b).

Meerkat Shelter (3108:2513). Taxa: *Cryptomys hottentotus*; *Desmodillus auricularis*; *Gerbilliscus brantsii*; *Myosorex varius*; *Mystromys albicaudatus*; *Otomys angoniensis*; *Otomys irroratus*; *Parotomys brantsii*; *Steatomys krebsii*. References: Avery (unpublished).

Melkboom 1 (2902:2101). Taxa: *Genetta genetta*; *Oreotragus oreotragus*; *Pedetes capensis*; *Procavia capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*. References: Badenhorst et al. (2015).

Melkbostrand (3343:1827). Taxa: *Homo sapiens*. References: Pfeiffer (2013).

Melkhoutboom (3319:2517). Taxa: *Alcelaphus caama* cf.; *Canis mesomelas*; *Caracal caracal*; *Chlorocebus aethiops*; *Connochaetes gnou* cf.; *Damaliscus pygargus* cf.; *Equus quagga* cf.; *Felis silvestris*; *Hippotragus leucophaeus* cf.; *Homo sapiens*; *Hystrix africae australis*; *Lepus capensis* cf.; *Oreotragus oreotragus*; *Orycteropus afer*; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Proteles cristata*; *Raphicerus*; *Redunca arundinum* cf.; *Redunca fulvorufula* cf.; *Smutsia*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Deacon (1976); Pearce (2008).

- Messum** (2114AD). Taxa: *Antidorcas australis*; *Procavia capensis*. References: Cruz-Uribe and Klein (1981–1983).
- Mgede** (2810:2941). Taxa: *Amblysomus hottentotus*; *Aonyx capensis*; *Atilax paludinosus*; *Canis*; *Chrysospalax villosus*; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Dendromus mesomelas*; *Equus burchellii* cf.; *Felis silvestris*; *Galerella sanguinea*; *Hippotragus*; *Homo sapiens*; *Hystrix africaeaustralis*; *Lepus*; *Mellivora capensis*; *Micaelamys namaquensis*; *Mus minutoides*; *Myosorex varius*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys irroratus* cf.; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus*; *Redunca fulvorufula*; *Rhabdomys pumilio*. References: Avery (1991b); Mazel (1986a).
- Mgoduyanuka** (2843:2924). Taxa: *Aepyceros melampus*; *Cryptomys hottentotus*; *Hippopotamus amphibius*; *Ovis aries*; *Pelea capreolus*. References: Plug and Brown (1982).
- Mhandambiri** (2231). Taxa: *Canis mesomelas* cf.; *Cephalophus monticola* cf.; *Connochaetes taurinus?*; *Georychus*; *Lepus saxatilis*; *Syncerus caffer* cf.; *Sylvicapra grimmia*; *Taurotragus oryx?*; *Thryonomys swinderianus*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Shenjere-Nyabezi and Pwiti (2015).
- Mhlopeni** (2903:3024). Taxa: *Capra hircus*; *Ovis aries*. References: De Villiers (1984); Voigt (1984).
- Mhlwazini** (2903:2923). Taxa: *Aepyceros melampus*; *Antidorcas australis*; *Antidorcas marsupialis*; *Atilax paludinosus*; *Canis mesomelas*; *Caracal caracal*; *Cephalophus natalensis*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Felis silvestris*; *Hystrix africaeaustralis*; *Lepus*; *Myosorex*; *Oreotragus oreotragus*; *Otomys irroratus*; cf.; *Otomys laminatus*; *Ourebia ourebi*; *Ovis aries*; *Papio ursinus*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Procavia capensis*; *Pronolagus rupestris*; *Raphicerus campestris*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Smutsia temminckii*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Avery (1991b); Mazel (1990); Plug (1990, 1997b).
- Milnerton** (3353:1830). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Mirabib** (2327:1519). Taxa: *Crocidura*; *Desmodillus auricularis?*; *Elephantulus intufi?*; *Elephantulus rupestris?*; *Eremitalpa granti*; *Gerbillurus paeba?*; *Gerbillurus vallinus*; *Macroselides proboscideus?*; *Malacothrix typica*; *Petromus typicus* cf.; *Petromyscus*; *Rhabdomys*. References: Brain and Brain (1977).
- Mitford Park** (3220:2630). Taxa: *Homo sapiens*. References: Pearce (2008).
- Mmatshetschele Mountain** (2535:2720). Taxa: *Bos taurus*; *Capra hircus*; *Cryptomys*; *Equus*; *Lepus*; *Ovis aries*; *Procavia capensis*. References: Badenhorst and Plug (2001).
- Mo 8** (2325:3155). Taxa: *Aepyceros melampus*; *Connochaetes taurinus*; *Crocota crocuta*; *Equus burchellii*; *Giraffa camelopardalis*; *Lepus saxatilis*; *Syncerus caffer*. References: Plug (1989).
- Modder River Mouth** (3328:1818). Taxa: *Homo sapiens*. References: Pfeiffer (2013); Pfeiffer and Van der Merwe (2004).
- Modipe Hill** (2439:2610). Taxa: *Homo sapiens*. References: Owens (1995).
- Mogapelwa** (2022). Taxa: *Aepyceros melampus*; *Equus burchellii*; *Felis silvestris*; *Herpestes ichneumon*; *Orycteropus afer*; *Pedetes capensis*; *Phacochoerus africanus*; *Raphicerus campestris*; *Sylvicapra grimmia*. References: Robbins et al. (2009).
- Molokwane** (2527). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Chlorocebus pygerythrus*; *Connochaetes taurinus*; *Damaliscus pygargus*; *Equus quagga* cf.; *Genetta tigrina* cf.; *Giraffa camelopardalis*; *Hippotragus niger*; *Homo sapiens*; *Loxodonta africana*; *Ovis aries*; *Pedetes capensis*; *Phacochoerus africanus*; *Raphicerus*

- campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Plug and Badenhorst (2006).
- Moritsane** (2439:2547). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Bos taurus*; *Caracal caracal*; *Connochaetes taurinus* cf.; *Equus burchellii*; *Hippotragus equinus*; *Hippotragus niger*; *Kobus leche*; *Lepus*; *Procavia capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Reed Cohen (2010).
- Mpambanyoni** (3017:3044). Taxa: *Aethomys chrysophilus*; *Bos taurus*?; *Cryptomys hottentotus*; *Dasymys incomtus*; *Herpestes ichneumon*?; *Lepus*; *Loxodonta africana*; *Mastomys natalensis*; *Mungos mungo*; *Myosorex*; *Otomys irroratus*; *Otomys laminatus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Thryonomys swinderianus*; *Tragelaphus scriptus*. References: Robey (1980).
- Mphekwane** (2850:2316). Taxa: *Oreotragus oreotragus*; *Raphicerus campestris*; *Smutsia temminckii*; *Sylvicapra grimmia*; *Tragelaphus strepsiceros*. References: Holt (2009).
- Msuluzi Confluence** (2845:3008). Taxa: *Aepyceros melampus*; *Bos taurus*; *Capra hircus*; *Ovis aries*; *Papio ursinus*. References: Arnold (2008); De Villiers (1984); Voigt (1980a).
- Mt Ziwa** (1808:3238). Taxa: *Bos taurus*. References: Thorp (1979).
- Mtanye** (2129AD). Taxa: *Bos taurus*; *Capra hircus*. References: Huffman (2008).
- Mud River** (3318AD). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Muela** (2944:2827). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Antidorcas australis*; *Bos taurus*; *Canis mesomelas*; *Caracal caracal*; *Chlorocebus aethiops*; *Connochaetes gnou*; *Damaliscus pygargus*; *Hystrix africae australis*; *Lepus*; *Oreotragus oreotragus*; *Ourebia ourebi*; *Ovis aries*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Procavia capensis*; *Pronolagus rupestris*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Plug (1997b).
- Muhululu Hill** (2331). Taxa: *Aepyceros melampus*; *Loxodonta africana*. References: Plug and Pistorius (1999).
- Muozi** (1750:3255). Taxa: *Bos taurus*; *Canis lupus*; *Capra hircus*; *Cryptomys*; *Homo sapiens*; *Hystrix africae australis*; *Lepus saxatilis*; *Ovis aries*; *Potamochoerus larvatus*; *Rattus rattus*. References: Plug and Badenhorst (2002); Plug et al. (1997).
- Murahwa's Hill** (1858:3239). Taxa: *Aepyceros melampus*; *Bos taurus* cf.; *Canis* sp.; *Capra hircus*; *Caracal caracal*; *Genetta*; *Lepus saxatilis*; *Ovis aries*; *Potamochoerus larvatus*; *Procavia capensis*; *Redunca arundinum*; *Sylvicapra grimmia* cf.; *Taurotragus oryx*; *Thryonomys swinderianus*; *Tragelaphus strepsiceros*. References: Katsamudanga (2007a); Shenjere-Nyabezi et al. (2013).
- Mutshilachokwe** (2207:2931). Taxa: *Bos taurus*; *Genetta genetta*; *Lepus saxatilis*; *Pedetes capensis*; *Sylvicapra grimmia*. References: Manyanga (2006); Shenjere-Nyabezi et al. (2013).
- Mwenezi Farm** (2231). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Bos taurus*; *Capra hircus*; *Cephalophus natalensis*; *Connochaetes taurinus*; *Equus burchellii*; *Giraffa camelopardalis*; *Hippotragus niger*; *Kobus ellipsiprymnus*; *Lepus saxatilis*; *Ovis aries*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Rattus rattus* cf.; *Redunca arundinum*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Thryonomys gregorianus*; *Thryonomys swinderianus*; *Tragelaphus strepsiceros*. References: Manyanga (2001); Manyanga et al. (2000); Shenjere-Nyabezi et al. (2013).
- Mzinyashana 1** (2819:3028). Taxa: *Aepyceros melampus*; *Aethomys chrysophilus*; *Alcelaphus buselaphus*; *Amblysomus hottentotus*; *Antidorcas marsupialis*; *Atilax paludinosus*; *Bos taurus*; *Canis mesomelas*; *Caracal caracal*; *Cephalophus natalensis*; *Chlorocebus aethiops*;

Chrysospalax villosus; *Connochaetes taurinus*; *Crocidura cyanea*; *Crocidura flavescens*; *Crocota crocuta*; *Cryptomys hottentotus*; *Cynictis penicillata*; *Dasymys incomtus*; *Dendromus melanotis*; *Equus burchellii*; *Felis silvestris*; *Gerbilliscus brantsii*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Lepus saxatilis*; *Lycaon pictus*; *Mastomys natalensis*; *Micaelamys namaquensis*; *Mystromys albicaudatus*; *Neotragus moschatus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys irroratus*; *Ourebia ourebi*; *Ovis aries*; *Papio ursinus*; *Paraxerus cepapi* cf.; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Pronolagus rupestris*; *Proteles cristata*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Saccostomus campestris*; *Smutsia temminckii*; *Steatomys pratensis*; *Suncus infinitesimus*; *Suncus varilla*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Thryonomys swinderianus*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros* cf.; *Vulpes chama*. References: Avery (1997a); Plug (2002).

Mzonjani (2944:3103). Taxa: *Bos taurus*; *Philantomba monticola*. References: Voigt (1980c).

Namib 2 (2347:1520). Taxa: *Connochaetes taurinus*?; *Equus* sp.; *Oryx gazella*?; *Raphicerus campestris*?. References: Shackley (1985).

Namtib (2602:1615). Taxa: *Caracal caracal* cf.; *Equus zebra* cf.; *Lepus*; *Oreotragus oreotragus*; *Oryx gazella*; *Petromus typicus* cf.; *Procavia*; *Pronolagus randensis*; *Raphicerus campestris*. References: Thackeray (1979).

Nanda (2940:3051). Taxa: *Aethomys chrysophilus* cf.; *Atilax paludinosus*; *Bos taurus*; *Canis lupus* cf.; *Capra hircus*; *Chlorocebus aethiops*; *Cryptomys hottentotus*; *Felis silvestris*; *Genetta tigrina*; *Homo sapiens*; *Mastomys natalensis*; *Otomys irroratus*; *Ovis aries*; *Papio ursinus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Rattus rattus*; *Redunca*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus scriptus*. References: Plug (1993c).

Ndondondwane (2850:3102). Taxa: *Bos taurus*; *Canis lupus*; *Canis mesomelas*; *Capra hircus*; *Hippopotamus amphibius*; *Ourebia ourebi*; *Ovis aries*; *Pelea capreolus*; *Rattus rattus*; *Redunca arundinum*; *Sylvicapra grimmia*; *Thryonomys swinderianus*; *Tragelaphus angasii*. References: Arnold (2008); Voigt and Von den Driesch (1984).

Ndongo (2045:3209). Taxa: *Aepyceros melampus*; *Capra hircus*; *Genetta genetta*; *Georychus capensis*; *Lepus saxatilis*; *Oreotragus oreotragus*; *Ovis aries*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Syncerus caffer*; *Thryonomys swinderianus*; *Tragelaphus strepsiceros*. References: Shenjere-Nyabezi (2017); Shenjere-Nyabezi et al. (2013).

Nelson Bay Cave (3406:2322). Taxa: *Alcelaphus caama* cf.; *Aonyx capensis*; *Atilax paludinosus*; *Canis mesomelas*; *Caracal caracal* cf.; *Felis silvestris*; *Galerella pulverulenta*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Orycteropus afer*; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus*; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus scriptus*. References: Brophy et al. (2014); Klein (1972, 1974b); Pearce (2008).

Nkupe (2809:2956). Taxa: *Amblysomus hottentotus*; *Aonyx capensis*; *Atilax paludinosus*; *Canis mesomelas* cf.; *Caracal caracal* cf.; *Chlorocebus aethiops*; *Chrysospalax villosus*; *Connochaetes gnou* cf.; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Damaliscus pygargus*; *Dasymys incomtus*; *Dendromus melanotis*; *Dendromus mesomelas*; *Elephantulus myurus* cf.; *Eptesicus hottentotus*?; *Equus burchellii* cf.; *Felis silvestris*; *Galerella sanguinea*; *Genetta*; *Gerbilliscus brantsii* cf.; *Grammomys dolichurus*; *Graphiurus murinus*;

Hippotragus; *Homo sapiens*; *Hystrix africae australis*; *Kerivoula argentata*; *Lycaon pictus*; *Mastomys natalensis*; *Mellivora capensis*; *Micaelamys namaquensis*; *Miniopterus natalensis*; *Mus minutoides*; *Myosorex*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys angoniensis*; *Otomys irroratus* cf.; *Ourebia ourebi*; *Ovis aries*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Raphicerus campestris* cf.; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Rhinolophus clivus* cf.; *Rhinolophus simulator*?; *Suncus infinitesimus*; *Syncerus caffer*. References: Avery (1988, 1991b); Mazel (1988a).

Noordhoek (3406:1823). Taxa: *Homo sapiens*. References: Pfeiffer (2013).

North Brabant Shelter (2355:2806). Taxa: *Aepyceros melampus*; *Cephalophus*; *Equus burchellii*; *Hystrix*; *Ictonyx*; *Lycaon pictus*; *Panthera pardus*; *Phacochoerus africanus*; *Procavia capensis*; *Syncerus caffer*. References: Schoonraad and Beaumont (1968).

Norvalspont (3038:2527). Taxa: *Equus zebra*. References: Lundholm (1952).

Nos (2530:1530). Taxa: *Canis*; *Procavia*. References: Thackeray (1979).

Nqoma (1845:2145). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis mesomelas* cf.; *Capra hircus*; *Civettictis civetta*; *Connochaetes*; *Cryptomys hottentotus*; *Equus burchellii*; *Gerbilliscus*; *Giraffa camelopardalis*; *Homo sapiens*; *Kobus ellipsiprymnus* cf.; *Kobus leche*; *Lepus*; *Loxodonta africana*; *Otocyon megalotis*; *Ovis aries*; *Pedetes capensis*; *Phacochoerus africanus*; *Redunca arundinum* cf.; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus*. References: G. Turner (1987a).

Ntloana Tsoana (2910:2749). Taxa: *Antidorcas australis*; *Canis mesomelas*; *Connochaetes gnou*; *Connochaetes taurinus* cf.; *Equus burchellii*; *Hippotragus leucophaeus* cf.; *Oreotragus oreotragus*; *Papio ursinus*; *Parahyaena brunnea* cf.; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Taurotragus oryx*. References: Plug (1997b).

Ntshekane (2858:3024). Taxa: *Bos taurus*; *Canis lupus*; *Connochaetes taurinus*; *Felis silvestris* cf.; *Lepus*; *Lycaon pictus*; *Ourebia ourebi*; *Ovis aries*; *Phacochoerus africanus*; *Philantomba monticola* cf.; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris* cf.; *Sylvicapra grimmia*; *Tragelaphus angasii*. References: Arnold (2008); Maggs and Michael (1976).

Numas 25 (2107:1425). Taxa: *Antidorcas marsupialis*; *Canis mesomelas*; *Crocota crocota*; *Equus*; *Suricata suricatta*. References: Van Neer and Breunig (1999).

Nuwekloof Shelter (3331:2339). Taxa: *Lepus*; *Papio ursinus*; *Procavia capensis*; *Raphicerus melanotis*; *Sylvicapra grimmia*. References: Binneman (2000).

Oakhurst (3401:2240). Taxa: *Genetta*?; *Hippotragus leucophaeus*?; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus*?; *Syncerus caffer*. References: Drennan (1937); Fagan (1960); Goodwin (1937a, 1937b); Pearce (2008).

Ochre Cave (2724). Taxa: *Antidorcas marsupialis*; *Equus burchellii*; *Hystrix africae australis*; *Phacochoerus*; *Procavia capensis*; *Redunca fulvorufula*. References: Humphreys (1978).

OFD1 (2924DD). Taxa: *Antidorcas marsupialis*; *Cynictis penicillata*?; *Herpestes ichneumon*?; *Procavia capensis*. References: Klein (1979a).

OI 20 (2410:3105). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis mesomelas*; *Civettictis civetta*; *Connochaetes taurinus*; *Crocota crocota*; *Equus burchellii*; *Giraffa camelopardalis*; *Hippopotamus amphibius*; *Hippotragus niger*; *Kobus ellipsiprymnus*; *Lepus saxatilis*; *Papio ursinus*; *Pedetes capensis*; *Phacochoerus africanus*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Syncerus caffer*. References: Plug (1989).

Olieboompoort (2359:2740). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis mesomelas*; *Civettictis civetta*; *Connochaetes gnou* cf.; *Connochaetes taurinus* cf.; *Crocudura*; *Crocota*

- crocuta*; *Damaliscus lunatus* cf.; *Damaliscus pygargus* cf.; *Diceros bicornis*; *Equus quagga*; *Felis silvestris*; *Galerella sanguinea*; *Genetta tigrina*; *Gerbilliscus leucogaster* cf.; *Giraffa camelopardalis*; *Hippopotamus amphibius*; *Hippotragus equinus*; *Hystrix africae australis*; *Kobus ellipsiprymnus* cf.; *Lepus saxatilis*; *Mungos mungo*; *Oreotragus oreotragus*; *Orycteropus afer* cf.; *Papio ursinus*; *Paraxerus cepapi*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Pronolagus randensis*; *Raphicerus campestris*; *Raphicerus sharpei*; *Rattus rattus* cf.; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Thryonomys swinderianus* cf.; *Tragelaphus scriptus* cf.; *Tragelaphus strepsiceros* cf. References: Van der Ryst (2006).
- OND 2 and 3** (2901:2722). Taxa: *Bos taurus*; *Connochaetes gnou* cf.; *Damaliscus pygargus* cf. References: Maggs (1975).
- Ondini** (2819:3128). Taxa: *Bos taurus*; *Capra hircus*; *Equus asinus*; *Felis silvestris*; *Hippopotamus amphibius*; *Hystrix africae australis*; *Leptailurus serval*; *Ovis aries*; *Panthera leo*; *Pedetes capensis*; *Pelea capreolus*; *Procavia capensis*; *Proteles cristata*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Saccostomus*; *Sylvicapra grimmia*; *Thryonomys swinderianus*. References: Watson and Watson (1990).
- OO1** (2757:2804). Taxa: *Alcelaphus caama* cf.; *Antidorcas marsupialis*; *Bos taurus*; *Canis lupus*; *Damaliscus pygargus* cf.; *Pedetes capensis*; *Procavia capensis*. References: Maggs (1975).
- Orabes Upper** (2114). Taxa: *Felis silvestris* cf.; *Hystrix africae australis*; *Oreotragus oreotragus* cf.; *Ovis aries*; *Panthera pardus*; *Procavia capensis*. References: Cruz-Urbe and Klein (1981–1983).
- Orange River Railway Station** (2940:2412). Taxa: *Aepyceros melampus*; *Antidorcas marsupialis*; *Bos taurus*; *Canis lupus*; *Capra hircus* cf.; *Damaliscus pygargus*; *Equus*; *Homo sapiens*; *Lepus saxatilis* cf.; *Oreotragus oreotragus*; *Ovis aries*; *Pedetes capensis*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Sylvicapra grimmia*. References: Badenhorst and Boshoff (2015).
- Oshilongo** (2110:1430). Taxa: *Antidorcas marsupialis*; *Bos taurus*; *Canis*; *Equus*; *Felis silvestris*; *Oryx gazella*; *Pronolagus randensis*; *Xerus princeps*. References: Van Neer and Breunig (1999).
- Ostrich Shelter** (2440:2535). Taxa: *Connochaetes taurinus*; *Ovis aries*; *Procavia capensis*. References: Sadr and Plug (2001).
- OU1** (2720:2845). Taxa: *Alcelaphus caama* cf.; *Bos taurus*; *Connochaetes gnou* cf.; *Damaliscus pygargus* cf.; *Pedetes capensis*; *Proteles cristata*. References: Maggs (1975).
- OU2** (2711:2908). Taxa: *Alcelaphus caama* cf.; *Antidorcas marsupialis*; *Bos taurus*; *Connochaetes gnou* cf.; *Damaliscus pygargus* cf.; *Pedetes capensis*. References: Maggs (1975).
- Oudepost 1** (3308:1802). Taxa: *Bathergus suillus*; *Canis*; *Caracal caracal*; *Diceros bicornis*; *Felis*; *Galerella pulverulenta*; *Genetta*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Hystrix africae australis*; *Ictonyx striatus*; *Mellivora capensis*; *Orycteropus afer*; *Ovis aries*; *Panthera leo*; *Panthera pardus*; *Parahyaena brunnea*; *Raphicerus campestris*; *Raphicerus melanotis*; *Sus scrofa*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Vulpes chama*. References: Cruz-Urbe and Schrire (1991).
- Pa 8.1** (2245:3121). Taxa: *Aepyceros melampus*; *Equus burchellii*; *Kobus ellipsiprymnus*; *Pronolagus*; *Sylvicapra grimmia*; *Syncerus caffer*. References: Plug (1989, 2000).
- Pancho's Kitchen Midden** (3219:1819). Taxa: *Atilax paludinosus*; *Bathergus suillus*; *Canis*; *Felis silvestris*; *Galerella pulverulenta*; *Ictonyx striatus*; *Lepus capensis*; *Mellivora capensis*; *Panthera pardus*; *Papio ursinus*; *Procavia capensis*; *Pronolagus rupestris*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Jerardino (1998, 2012); Jerardino et al. (2013).

- Paradise Main House** (3340:1810). Taxa: *Bos taurus*; *Canis lupus*; *Oreotragus oreotragus*; *Oryctolagus cuniculus*; *Ovis aries*; *Papio ursinus*; *Procapra capensis*; *Sus scrofa*. References: Avery (1989).
- Paternoster** (3248:1753). Taxa: *Bathyergus suillus*; *Canis mesomelas*; *Dendromus melanotis*; *Galerella pulverulenta*; *Hystrix africae australis*; *Myotomys unisulcatus* cf.; *Raphicerus*; *Rhabdomys pumilio*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Robertshaw (1977).
- Penge** (2422:1758). Taxa: *Bos taurus*; *Oreotragus oreotragus* cf.; *Ovis aries*; *Panthera pardus*; *Phacochoerus africanus*; *Syncerus caffer* cf.; *Thryonomys swinderianus*. References: Antonites et al. (2014).
- Ph 9** (2325:3155). Taxa: *Aepyceros melampus*; *Connochaetes taurinus*; *Equus burchellii*; *Pronolagus*. References: Plug (1989).
- Pjene Hill** (2331). Taxa: *Hippotragus equinus*. References: Plug and Pistorius (1999).
- Pockenbank** (2713:1631). Taxa: *Equus zebra* cf.; *Hystrix africae australis*; *Lepus*; *Oreotragus oreotragus*; *Oryx gazella*; *Petromus typicus* cf.; *Procapra*; *Raphicerus campestris*. References: Thackeray (1979); Wadley (2015).
- Pomongwe** (2032:2830). Taxa: *Connochaetes*; *Damaliscus lunatus*; *Equus*; *Hippotragus niger*; *Oreotragus oreotragus*; *Orycteropus afer*; *Panthera pardus*; *Pedetes capensis*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procapra capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Sylvicapra grimmia*; *Tragelaphus scriptus*. References: Brain (1981); Wadley (2015).
- Pont Drift** (2213:2909). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis adustus*; *Canis lupus*; *Capra hircus*; *Chlorocebus aethiops*; *Diceros bicornis*; *Equus burchellii*; *Giraffa camelopardalis*; *Heterohyrax brucei*; *Hippopotamus amphibius*; *Homo sapiens*; *Loxodonta africana*; *Oreotragus oreotragus*; *Orycteropus afer*; *Ovis aries*; *Pedetes capensis*; *Pelea capreolus* cf.; *Phacochoerus africanus*; *Procapra capensis*; *Raphicerus campestris*; *Rattus rattus*; *Sylvicapra grimmia*; *Syncerus caffer*; *Xerus*. References: De Villiers (1980); Hanisch (1980); Plug (2000); Plug et al. (1979); Steyn and Nienaber (2000); Voigt (1980b).
- Potgietersrust** (2429AA). Taxa: *Oreotragus oreotragus*. References: Wells (1951).
- Powerhouse Cave** (2737:2438). Taxa: *Antidorcas marsupialis*; *Canis mesomelas*; *Caracal caracal*; *Connochaetes gnou*; *Cynictis penicillata* cf.; *Diceros bicornis*; *Equus burchellii*; *Equus quagga*; *Felis silvestris* cf.; *Hystrix africae australis*; *Mellivora capensis*; *Oreotragus oreotragus* cf.; *Papio ursinus*; *Pedetes capensis*; *Phacochoerus africanus*; *Procapra capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx?*; *Vulpes chama*. References: Humphreys (1978); Klein (1979a).
- Pramberg** (2915:2445). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Bos taurus*; *Canis mesomelas*; *Connochaetes gnou*; *Damaliscus pygargus*; *Hippopotamus amphibius*; *Orycteropus afer*; *Ovis aries*; *Parahyaena brunnea* cf.; *Pedetes capensis*; *Phacochoerus africanus*; *Raphicerus campestris*. References: Brink et al. (1992).
- Putslaagte 8** (3218). Taxa: *Bathyergus suillus*; *Galerella pulverulenta*; *Hystrix africae australis*; *Pelea capreolus*; *Procapra capensis*; *Raphicerus*; *Sylvicapra grimmia*. References: Mackay et al. (2015).
- Qugana** (1822). Taxa: *Aepyceros melampus*; *Connochaetes*; *Equus burchellii*; *Gerbilliscus brantsii* cf.; *Giraffa camelopardalis*; *Hippopotamus amphibius*; *Hippotragus niger* cf.; *Mastomys natalensis*; *Pedetes capensis*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus*; *Taurotragus*. References: G. Turner (1987b).
- QwaQwa Museum Site** (2829:2844). Taxa: *Bos taurus*; *Capra hircus*; *Lepus capensis* cf.; *Procapra capensis*; *Proteles cristata*; *Sylvicapra grimmia*. References: Brink and Holt (1992).

- Radiepolong** (2440:2535). Taxa: *Alcelaphus buselaphus*; *Antidorcas australis*; *Bos taurus*; *Canis mesomelas*; *Capra hircus*; *Connochaetes taurinus*; *Equus burchellii*; *Hystrix africaeaustralis*; *Lepus*; *Oreotragus oreotragus*; *Oryx gazella*; *Ovis aries*; *Parahyaena brunnea*; *Paraxerus cepapi*; *Pedetes capensis*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Xerus inauris*. References: Sadr and Plug (2001).
- Randjies** (2257:2843). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Aonyx capensis*; *Atilax paludinosus*; *Bos taurus*; *Canis lupus*; *Canis mesomelas* cf.; *Capra hircus*; *Caracal caracal*; *Chlorocebus aethiops*; *Connochaetes taurinus*; *Crocota crocuta*; *Equus burchellii*; *Felis silvestris*; *Giraffa camelopardalis*; *Hippotragus niger* cf.; *Homo sapiens*; *Hystrix africaeaustralis*; *Lepus saxatilis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Ovis aries*; *Panthera leo*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Rattus rattus*; *Redunca arundinum* cf.; *Suricata suricatta*; *Sus scrofa*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Badenhorst and Plug (2003); Plug (1994).
- Ratho Kroonkop** (2229). Taxa: *Aepyceros melampus*; *Bos taurus* cf.; *Ceratotherium simum* cf.; *Diceros bicornis*; *Equus quagga*; *Giraffa camelopardalis*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx* cf.; *Tragelaphus strepsiceros*. References: Brunton et al. (2013).
- Rautenbach's Cave** (3331:2342). Taxa: *Equus zebra* cf.; *Oreotragus oreotragus*; *Papio ursinus*; *Procavia capensis*; *Raphicerus melanotis*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Binneman (2000).
- Ravenscraig** (3000:2747). Taxa: *Equus*; *Hippotragus*; *Oreotragus oreotragus*; *Panthera pardus*; *Papio ursinus*; *Pelea capreolus*; *Procavia capensis*; *Taurotragus oryx*. References: Plug (1997b).
- Reception Shelter** (3132:1836). Other names: VR001. Taxa: *Alcelaphus buselaphus* cf.; *Bathyergus janetta*; *Bathyergus suillus*; *Bos taurus*; *Canis*; *Chrysochloris asiatica*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Desmodillus auricularis*; *Eremitalpa granti*; *Felis silvestris*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Hystrix africaeaustralis*; *Macroscelides proboscideus*; *Malacothrix typica*; *Micaelamys namaquensis*; *Mus minutoides*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Nycteris thebaica*; *Panthera leo*; *Parotomys brantsii*; *Procavia capensis*; *Raphicerus campestris*; *Rhodomys pumilio*; *Rhinolophus clivosus*; *Steatomys krebsii*; *Suncus varilla*; *Sylvicapra grimmia*. References: Avery (unpublished); Orton et al. (2011).
- Renbaan** (3214:1852). Taxa: *Acomys subspinosus*; *Chlorotalpa sclateri*; *Chrysochloris asiatica*; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Elephantulus edwardii*; *Georychus capensis*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Graphiurus ocularis*; *Micaelamys namaquensis*; *Mus minutoides*; *Myomyscus verreauxii*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Nycteris thebaica*; *Otomys irroratus*; *Otomys saundersiae*; *Rhodomys pumilio*; *Steatomys krebsii*; *Suncus varilla*; *Vulpes chama*. References: Avery (unpublished); Kaplan (1987).
- Rhenosterkloof** (2439:2743). Taxa: *Bos taurus*; *Equus burchellii*; *Procavia*. References: Plug (1985).
- Riversmead** (3040:2520). Taxa: *Canis*; *Cynictis penicillata*; *Equus*; *Felis silvestris*; *Herpestes ichneumon*; *Hystrix africaeaustralis*; *Orycteropus afer*; *Panthera pardus*; *Papio ursinus*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Smutsia temminckii*; *Vulpes chama*. References: Klein (1979a).

- Rooiberg** (2327). Taxa: *Homo sapiens*. References: Steyn and Broekhuizen (1993).
- Rooiels** (3418:1849). Taxa: *Alcelaphus buselaphus* cf.; *Aonyx capensis*; *Canis mesomelas* cf.; *Equus burchellii*; *Herpestes ichneumon*; *Hippopotamus amphibius*; *Oreotragus oreotragus*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Procavia capensis*; *Pronolagus rupestris* cf.; *Raphicerus campestris*; *Sylvicapra grimmia*. References: Smith (1981).
- Rooikrans Hilltop** (2453:2739). Taxa: *Bos taurus*; *Homo sapiens*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Ovis aries*; *Parahyaena brunnea*; *Pedetes capensis*; *Phacochoerus africanus*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra grimmia*. References: Plug (1985).
- Rooikrans Shelter** (2907:2725). Taxa: *Antidorcas marsupialis*; *Bos taurus*; *Canis lupus*; *Canis mesomelas*; *Connochaetes gnou*; *Damaliscus pygargus*; *Felis silvestris*; *Hystrix africae australis*; *Lepus*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Plug (1997b).
- Rooiwal Hollow and Midden** (3027:1721). Taxa: *Bathyergus suillus*; *Canis*; *Lepus*. References: Orton *et al.* (2005).
- Roosfontein** (2849:2744). Taxa: *Aepyceros melampus*; *Connochaetes gnou*; *Taurotragus oryx*. References: Klatzow (1994).
- Rose Cottage Cave** (2913:2728). Taxa: *Alcelaphus buselaphus*; *Amblysomus hottentotus*; *Antidorcas australis*; *Antidorcas bondi*; *Antidorcas marsupialis*; *Aonyx capensis*; *Atilax paludinosus*; *Bos taurus*; *Canis mesomelas*; *Capra hircus*; *Caracal caracal*; *Chlorocebus aethiops*; *Connochaetes gnou*; *Connochaetes taurinus* cf.; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Cynictis penicillata*; *Damaliscus pygargus*; *Dendromus melanotis*; *Equus burchellii*; *Felis silvestris*; *Gerbilliscus brantsii*; *Graphiurus murinus*; *Hippotragus equinus* cf.; *Hippotragus leucophaeus* cf.; *Hystrix africae australis*; *Lepus saxatilis*; *Mastomys natalensis* sl.; *Micaelamys namaquensis*; *Myosorex varius*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Otomys irroratus*; *Otomys saundersiae*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Rattus rattus*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Steatomys krebsii*; *Suncus varilla*; *Suricata suricatta*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Tragelaphus strepsiceros*; *Vulpes chama*; *Xerus inauris*. References: Avery (1997b); Brophy *et al.* (2014); Plug (1997b); Plug and Engela (1992); Welbourne (1988); Wells (2006).
- Ruanga Ruin** (1702:3141). Taxa: *Bos taurus*. References: Pellatt (1972).
- Saldanha** (3317). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Salem Commonage** (3328:2628). Taxa: *Homo sapiens*. References: Pearce (2008).
- Sandy Bay** (3400:1821). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Schoemansdal** (2300:2955). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Antidorcas marsupialis* cf.; *Bos taurus*; *Capra hircus*; *Connochaetes taurinus*; *Equus asinus*; *Equus burchellii*; *Equus caballus*; *Giraffa camelopardalis*; *Hippotragus*; *Loxodonta africana*; *Ovis aries*; *Panthera leo*; *Phacochoerus africanus*; *Raphicerus campestris*; *Sus scrofa*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus strepsiceros*. References: Plug *et al.* (2000).
- Schroda** (2211:2925). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Equus burchellii*; *Felis silvestris*; *Giraffa camelopardalis*; *Heterohyrax brucei*; *Hippopotamus amphibius*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Ichneumia albicauda*; *Lepus*; *Loxodonta africana*; *Mungos mungo*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Ovis aries*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Pedetes capensis*; *Phacochoerus*

- africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Syncerus caffer*; *Taurotragus oryx*; *Thryonomys swinderianus*. References: De Villiers (1980); Hanisch (1980); Plug (2000); Steyn and Nienaber (2000); Voigt (1980a).
- Scott's Cave** (2543:3344). Taxa: *Caracal caracal* cf.; *Felis silvestris*; *Galerella pulverulenta*; *Genetta genetta* cf.; *Homo sapiens*; *Lepus*; *Loxodonta africana*; *Mellivora capensis*; *Oreotragus oreotragus*; *Ovis*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus melanotis*; *Redunca fulvorufula*; *Syncerus caffer*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Klein and Scott (1974).
- Sea Point Cape Town** (3355:1823). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Sea Vista** (3411:2450). Taxa: *Homo sapiens*. References: Pearce (2008).
- Seal Midden**. See MB2005-005.
- Seal Point** (3417:2446). Taxa: *Homo sapiens*. References: Pearce (2008).
- Sebatini Hill** (2355:3105). Taxa: *Aepyceros melampus*; *Atilax paludinosus*; *Bos taurus*; *Capra hircus*; *Connochaetes taurinus*; *Homo sapiens*; *Lepus saxatilis*; *Phacochoerus africanus*; *Sylvicapra grimmia*. References: Plug and Pistorius (1999).
- Sehonghong** (2946:2847). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Bos taurus*; *Canis mesomelas*; *Caracal caracal*; *Chlorocebus pygerythrus*; *Connochaetes gnou*; *Cryptomys*; *Damaliscus pygargus*; *Equus asinus*; *Equus quagga*; *Felis silvestris*; *Hippotragus equinus*; *Hippotragus leucophaeus*; *Hystrix africae australis*; *Ichneumia albicauda*; *Ictonyx striatus*; *Lepus saxatilis*; *Lycaon pictus*; *Oreotragus oreotragus*; *Ourebia ourebi*; *Ovis aries*; *Papio ursinus*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Pronolagus rupestris*; *Proteles cristata*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Suricata suricatta*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Vulpes chama*; *Xerus inauris*. References: Horsburgh *et al.* (2016); Plug and Mitchell (2008); Wadley (2015).
- Selongwe Hill** (2355:3105). Taxa: *Aepyceros melampus*; *Bos taurus*; *Damaliscus lunatus*; *Equus burchellii*; *Giraffa camelopardalis*; *Homo sapiens*; *Lepus saxatilis*; *Phacochoerus africanus*; *Proteles cristata*; *Raphicerus campestris*; *Raphicerus sharpei*; *Sylvicapra grimmia*. References: Plug and Pistorius (1999).
- Sentinel Ranch** (2200:3015). Taxa: *Aepyceros melampus*; *Raphicerus*. References: Plug (2000).
- Seroromeng** (2852:2315). Taxa: *Aepyceros melampus*; *Giraffa camelopardalis*; *Oreotragus oreotragus*; *Pedetes capensis*; *Procavia capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Syncerus caffer*. References: Holt (2009).
- Serotwe Hill** (2355:3105). Taxa: *Aepyceros melampus*; *Capra hircus*; *Equus burchellii*; *Felis silvestris*; *Homo sapiens*; *Lepus saxatilis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus strepsiceros*. References: Plug and Pistorius (1999).
- Sh 14a** (2310:3125). Taxa: *Aepyceros melampus*; *Connochaetes taurinus*. References: Plug (1989).
- Shankare Hill** (2355:3105). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis*; *Capra hircus*; *Damaliscus lunatus*; *Equus burchellii*; *Giraffa camelopardalis*; *Oreotragus oreotragus*; *Phacochoerus africanus*; *Raphicerus campestris*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus strepsiceros*. References: Plug and Pistorius (1999).
- Sibudu** (2931:3105). Taxa: *Atilax paludinosus*; *Bos taurus*; *Cephalophus natalensis*; *Chlorocebus pygerythrus*; *Crocota crocuta*; *Equus burchellii*; *Felis silvestris* cf.; *Homo sapiens* cf.; *Hystrix africae australis*; *Lycaon pictus*; *Mellivora capensis*; *Oreotragus oreotragus*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Pronolagus*; *Raphicerus*; *Redunca arundinum*; *Smutsia*

temminckii; *Sylvicapra grimmia*; *Taurotragus oryx* cf; *Thryonomys swinderianus*.

References: Cain (2006); Clark and Plug (2008); Glenny (2006); Le Roux and Badenhorst (2016); Plug (1997d, 2004); Wadley et al. (2008); Wells (2006).

Sikhanyisweni (2828:3024). Taxa: *Canis mesomelas*; *Equus burchellii* cf.; *Felis silvestris*; *Galerella sanguinea*; *Hippopotamus amphibius*; *Hippotragus*; *Hystrix africaeaustralis*; *Lycaon pictus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Ourebia ourebi*; *Panthera pardus*; *Papio ursinus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris* cf.; *Redunca fulvorufula*; *Syncerus caffer*; *Taurotragus oryx*; *Tragelaphus scriptus*. References: Mazel (1988b).

Simamwe (2129AD). Taxa: *Aepyceros melampus*; *Bos taurus*; *Equus burchellii*. References: Huffman (2008).

Simonstown (3411:1826). Taxa: *Homo sapiens*. References: Pfeiffer (2013).

Simunye (2609:3152). Taxa: *Aepyceros melampus*; *Bos taurus*; *Capra hircus*; *Ceratotherium simum*; *Equus burchellii*; *Gerbilliscus leucogaster*; *Suncus*; *Sylvicapra grimmia*. References: Badenhorst and Plug (2002).

Sk 17 (2431). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis mesomelas*; *Connochaetes taurinus*; *Crocota crocota*; *Damaliscus lunatus*; *Equus burchellii*; *Genetta*; *Giraffa camelopardalis*; *Hystrix africaeaustralis*; *Kobus ellipsiprymnus*; *Mastomys*; *Panthera leo*; *Papio ursinus*; *Phacochoerus africanus*; *Pronolagus*; *Sylvicapra grimmia*; *Syncerus caffer*. References: Plug (1989).

Skorpion Cave (2754:1639). Taxa: *Capra hircus*; *Oreotragus oreotragus*; *Ovis aries*; *Parotomys brantsii*; *Procavia capensis*; *Raphicerus campestris* cf. References: Kinahan and Kinahan (2003).

Skutwater (2211:2933). Taxa: *Aepyceros melampus*; *Atelerix frontalis*; *Bos taurus*; *Capra hircus*; *Connochaetes taurinus*; *Crocidura*; *Equus burchellii*; *Giraffa camelopardalis*; *Homo sapiens*; *Hystrix africaeaustralis*; *Lepus capensis*; *Lepus saxatilis*; *Ovis aries*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Thryonomys swinderianus*. References: Steyn and Nienaber (2000); Van Ewyk (1987).

Smitswinkelbaai (3416:1828). Taxa: *Alcelaphus buselaphus*; *Bathyergus suillus*; *Bos taurus*; *Galerella pulverulenta*; *Genetta*; *Homo sapiens*; *Hystrix africaeaustralis*; *Lepus*; *Oreotragus oreotragus*; *Ovis aries*; *Papio ursinus*; *Pelea capreolus*; *Procavia capensis*; *Raphicerus*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: Marean (1985).

Snuifklip (3417:2155). Taxa: *Homo sapiens*. References: Pearce (2008).

Somerset Strand (3406:1850). Taxa: *Homo sapiens*. References: Pfeiffer (2013).

Sonkoanini Hill (2355:3105). Taxa: *Aepyceros melampus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Chlorocebus aethiops*; *Equus burchellii*; *Gerbilliscus leucogaster*; *Giraffa camelopardalis*; *Hystrix africaeaustralis*; *Kobus ellipsiprymnus*; *Lepus capensis*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Sylvicapra grimmia*; *Tragelaphus strepsiceros*. References: Plug and Pistorius (1999).

Spitzkop Cave (3320:2613). Taxa: *Homo sapiens*. References: Pearce (2008).

Spoeg River (3018:1716). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Bathyergus janetta*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Equus burchellii*; *Eremitalpa granti*; *Felis silvestris*; *Galerella pulverulenta*; *Gerbillurus paeba*; *Graphiurus platyops?*; *Hystrix africaeaustralis*; *Ictonyx striatus*; *Lepus saxatilis*; *Mellivora capensis*; *Micaelamys namaquensis*; *Mus minutoides*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Oreotragus oreotragus*; *Oryx gazella*; *Otocyon megalotis*; *Otomys irroratus*;

Otomys saundersiae; *Ovis aries*; *Panthera leo*; *Panthera pardus*; *Parahyaena brunnea*; *Parotomys brantsii*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Rhabdomys pumilio*; *Smutsia temminckii*; *Steatomys krebsii*; *Suncus varilla*; *Suricata suricatta*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Vulpes chama*. References: Avery (1992c); Dewar (2007); Webley (1992a, 1992b, 2001a, 2001b).

Spring Cave (3218:1820). Taxa: *Alcelaphus buselaphus*; *Bathyergus suillus*; *Canis*; *Caracal caracal*; *Felis silvestris*; *Galerella pulverulenta*; *Genetta*; *Herpestes ichneumon*; *Hystrix africae australis*; *Ictonyx striatus*; *Ovis aries*; *Procavia capensis*; *Raphicerus*; *Sylvicapra grimmia*. References: Klein and Cruz-Urbe (1987).

St Francis Bay 2 (3424). Taxa: *Bos taurus*; *Canis mesomelas* cf.; *Equus*; *Hippopotamus amphibius*; *Hystrix africae australis*; *Homo sapiens*; *Raphicerus melanotis*; *Syncerus caffer*. References: Binneman (2004/2005).

St Lucia (2817:3225). Taxa: *Genetta maculata*; *Grammomys cometes*; *Homo sapiens*. References: Galloway (1936).

Stayt (2210:3030). Taxa: *Aepyceros melampus*; *Bos taurus*; *Capra hircus*; *Equus burchellii*; *Lepus saxatilis*; *Procavia capensis*. References: Plug (2000); Steyn and Nienaber (2000).

Steenbokfontein (3210:1820). Taxa: *Bathyergus suillus*; *Bos taurus*; *Canis mesomelas*; *Caracal caracal*; *Chrysochloris asiatica*; *Crocidura cyanea*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Dendromus mesomelas*; *Desmodillus auricularis*; *Elephantulus edwardii*; *Eremitalpa granti*; *Felis silvestris*; *Galerella pulverulenta*; *Gerbilliscus afra*; *Gerbillurus paeba*; *Graphiurus ocularis*; *Herpestes ichneumon*; *Homo sapiens*; *Hystrix africae australis*; *Malacothrix typica*; *Micaelamys namaquensis*; *Mus minutoides*; *Myosorex varius*; *Myotomys unisulcatus*; *Mystromys albicaudatus*; *Orycteropus afer*; *Otomys irroratus*; *Otomys saundersiae*; *Ovis aries*; *Parotomys brantsii*; *Procavia capensis*; *Raphicerus campestris*; *Rhabdomys pumilio*; *Steatomys krebsii*; *Suncus varilla*; *Sylvicapra grimmia*. References: Avery (1999); Jerardino and Yates (1996); Jerardino et al. (2013); Pfeiffer (2013).

Steenbras Bay (2640:1509). Taxa: *Antidorcas marsupialis*; *Raphicerus campestris*. References: Thackeray (1979).

Steinaecker's Horse (2324:3137). Taxa: *Aepyceros melampus*; *Bos taurus*; *Equus asinus*; *Equus burchellii*; *Leptailurus serval*; *Lepus*; *Ovis aries*; *Panthera pardus*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Thryonomys swinderianus*. References: Badenhorst et al. (2002).

Stofbergfontein (3309:1804). Taxa: *Bathyergus suillus*; *Canis mesomelas*; *Elephantulus edwardii* cf.; *Felis silvestris*; *Galerella pulverulenta*; *Myotomys unisulcatus* cf.; *Procavia capensis*; *Raphicerus campestris*; *Rhabdomys pumilio*. References: Robertshaw (1978).

Striped Giraffe Shelter (2148:1542). Taxa: *Capra hircus*; *Diceros bicornis*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Otocyon megalotis*; *Ovis aries*; *Procavia capensis* cf. References: Plug (1979a).

Tandjesberg (2905:2737). Taxa: *Alcelaphus buselaphus*; *Antidorcas marsupialis*; *Canis mesomelas*; *Cryptomys*; *Damaliscus pygargus*; *Equus*; *Otomys irroratus*; *Ovis aries*; *Papio ursinus*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Xerus inauris*. References: Wadley and McLaren (1998).

Tautswemogala (2153:2713). Taxa: *Aepyceros melampus*; *Atelerix frontalis*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Caracal caracal* cf.; *Ceratotherium simum*; *Connochaetes taurinus*; *Equus burchellii*; *Galerella sanguinea*; *Giraffa camelopardalis*; *Hystrix africae australis*; *Lepus saxatilis* cf.; *Loxodonta africana*; *Oryx gazella* cf.; *Ovis aries*; *Panthera pardus*; *Pedetes*

- capensis*; *Phacochoerus africanus*; *Raphicerus campestris*; *Rattus rattus*; *Sylvicapra grimmia*; *Taurotragus oryx*. References: De Villiers (1976b); Welbourne (1975).
- Tavhatshene** (2309:2958). Taxa: *Aepyceros melampus*; *Alcelaphus*; *Bos taurus*; *Canis mesomelas*; *Capra hircus*; *Cephalophus natalensis*; *Chlorocebus aethiops*; *Connochaetes taurinus*; *Cynictis penicillata*; *Equus burchellii*; *Felis silvestris*; *Galerella sanguinea*; *Hippotragus equinus*; *Homo sapiens*; *Lepus saxatilis*; *Loxodonta africana*; *Ovis aries*; *Pelea capreolus*; *Potamochoerus larvatus*; *Raphicerus campestris*; *Rattus rattus*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus angasii*; *Tragelaphus scriptus*. References: De Wet-Bronner (1994); Plug (2000).
- Te Vrede** (3128). Taxa: *Crocidura flavescens*; *Cryptomys hottentotus*; *Damaliscus*; *Equus*; *Georychus capensis*; *Hippotragus*; *Oreotragus oreotragus*; *Otomys irroratus*; *Papio ursinus*; *Pelea capreolus*; *Procavia capensis*; *Taurotragus oryx*. References: Opperman (1987).
- Thamanga Rock Shelter 1** (2440:2535). Taxa: *Equus burchellii*?; *Galerella sanguinea*; *Hystrix africae australis*; *Orycteropus afer*; *Pedetes capensis*; *Phacochoerus africanus*; *Raphicerus campestris* cf.; *Redunca arundinum*; *Sylvicapra grimmia*. References: Robbins (1986).
- The Havens Cave** (3341:2434). Taxa: *Lepus*; *Oreotragus oreotragus*; *Papio ursinus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Sylvicapra grimmia*. References: Binneman (1997); Pearce (2008).
- Thulamela** (2210:3130). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus*; *Bos taurus*; *Canis lupus*; *Capra hircus*; *Caracal caracal*; *Chlorocebus aethiops*; *Connochaetes taurinus*; *Crocota crocuta*; *Equus burchellii*; *Genetta genetta*; *Gerbilliscus*; *Hippopotamus amphibius*; *Hippotragus equinus*; *Hippotragus niger*; *Homo sapiens*; *Hystrix africae australis*; *Kobus ellipsiprymnus*; *Lepus saxatilis*; *Loxodonta africana*; *Oreotragus oreotragus*; *Ovis aries*; *Panthera leo*; *Panthera pardus*; *Papio ursinus*; *Parahyaena brunnea*; *Paraxerus cepapi*; *Pedetes capensis*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus sharpei* cf.; *Rattus rattus*; *Redunca arundinum*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*; *Thryonomys swinderianus*; *Tragelaphus angasii*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Plug (1997c, 2000); Steyn and Nienaber (2000).
- Tiara Shelter** (2114). Taxa: *Canis mesomelas*; *Procavia capensis*. References: Cruz-Uribe and Klein (1981–1983).
- Tierfontein 2, 4A and 7** (2826AA). Taxa: *Antidorcas marsupialis*; *Aonyx capensis*; *Atilax paludinosus*; *Cynictis penicillata*; *Damaliscus pygargus*; *Homo sapiens*; *Hystrix africae australis*; *Orycteropus afer*; *Panthera pardus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*. References: Klein (1979a).
- Tiras** (2613:1634). Taxa: *Canis*; *Lepus*; *Oryx gazella*; *Procavia*. References: Thackeray (1979).
- Tloutle** (2928:2746). Taxa: *Alcelaphus buselaphus*; *Antidorcas australis*; *Antidorcas marsupialis*; *Atilax paludinosus*; *Bos taurus*; *Canis mesomelas*; *Capra hircus*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus burchellii*; *Hippotragus*; *Homo sapiens*; *Hystrix africae australis*; *Lepus*; *Oreotragus oreotragus*; *Otomys irroratus* cf.; *Panthera pardus*; *Papio ursinus*; *Pedetes capensis*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Xerus inauris*. References: Mitchell (1993); Plug (1993d, 1997b).
- Tortoise Cave** (3218:1821). Taxa: *Atelerix frontalis*; *Bathyergus suillus*; *Canis mesomelas*; *Caracal caracal*; *Felis silvestris*; *Galerella pulverulenta*; *Homo sapiens*; *Hystrix*

africaeustralis; *Ictonyx striatus*; *Mellivora capensis*; *Ovis aries*; *Panthera pardus*; *Papio ursinus*; *Procavia capensis*; *Raphicerus campestris*; *Raphicerus melanotis*; *Sus scrofa*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx*. References: Jerardino *et al.* (2013); Klein and Cruz-Uribe (1987); Pfeiffer (2013).

Toteng (2023:2257). Taxa: *Aepyceros melampus*; *Alcelaphus buselaphus* cf.; *Bos taurus*; *Canis lupus* cf.; *Chlorocebus pygerythrus*; *Hippopotamus amphibius*; *Hystrix africaeustralis*; *Kobus leche* cf.; *Orycteropus afer*; *Otomys angoniensis* cf.; *Ovis aries*; *Panthera leo*; *Pedetes capensis*; *Raphicerus campestris*; *Saccostomus campestris*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tragelaphus spekeii*. References: Robbins *et al.* (2008).

TP2004-04 (2930:1700). Taxa: *Oryx gazella*. References: Dewar (2007).

Tsh 1 (2457:3138). Taxa: *Aepyceros melampus*; *Atelrix frontalis*; *Canis mesomelas*; *Connochaetes taurinus*; *Damaliscus lunatus*; *Equus burchellii*; *Giraffa camelopardalis*; *Hippotragus*; *Homo sapiens*; *Hystrix africaeustralis*; *Ictonyx striatus*; *Phacochoerus africanus*; *Pronolagus*; *Sylvicapra grimmia*; *Thryonomys swinderianus*. References: Plug (1989).

Tshirululuni (2301:2955). Taxa: *Acinonyx jubatus* cf.; *Aepyceros melampus*; *Atilax paludinosus*; *Bos taurus*; *Capra hircus*; *Civettictis civetta*; *Connochaetes taurinus* cf.; *Equus burchellii*; *Felis silvestris*; *Giraffa camelopardalis*; *Hippotragus niger* cf.; *Homo sapiens*; *Leptailurus serval*; *Lepus saxatilis*; *Loxodonta africana*; *Oreotragus oreotragus*; *Ovis aries*; *Panthera leo*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Smutsia temminckii*; *Sylvicapra grimmia*; *Syncerus caffer*; *Taurotragus oryx* cf.; *Tragelaphus angasii* cf.; *Tragelaphus scriptus* cf.; *Tragelaphus strepsiceros*. References: De Wet-Bronner (1995b); Plug (2000).

Tshisiku Shelter (2213:2909). Taxa: *Equus burchellii*; *Lepus capensis* cf.; *Pedetes capensis* cf.; *Phacochoerus africanus*. References: Van Doornum (2007).

Tshitheme (2309:2958). Taxa: *Aepyceros melampus*; *Bos taurus*; *Equus burchellii*; *Lepus saxatilis*; *Panthera leo*; *Papio ursinus*; *Pronolagus randensis* cf.; *Sylvicapra grimmia*; *Syncerus caffer*. References: De Wet-Bronner (1995a); Plug (2000).

Tshobwane (2206:2933). Taxa: *Bos taurus*; *Lepus saxatilis*; *Pedetes capensis*; *Sylvicapra grimmia*. References: Manyanga (2006).

Tshwane (2546:2822). Taxa: *Homo sapiens*. References: Pelsner *et al.* (2004/2005).

Twyfelpoort Shelter (2837:2734). Taxa: *Alcelaphus*; *Antidorcas marsupialis*; *Canis mesomelas*; *Connochaetes*; *Damaliscus pygargus*; *Equus*; *Hystrix*; *Lepus*; *Oreotragus oreotragus*; *Orycteropus afer*; *Ovis aries*; *Papio*; *Parahyaena brunnea*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca*; *Sylvicapra grimmia*. References: Backwell *et al.* (1996).

uMgungundlovu (3131:2832). Taxa: *Bos taurus*; *Cercopithecus*; *Lepus*; *Oreotragus oreotragus*; *Raphicerus campestris*; *Sylvicapra grimmia*. References: Plug and Roodt (1990).

Umhlatusana (2948:3045). Taxa: *Aethomys chrysophilus*; *Amblysomus hottentotus*; *Atilax paludinosus*; *Canis*; *Cephalophus natalensis*; *Chlorocebus pygerythrus*; *Chrysospalax villosus*; *Crocidura flavescens*; *Cryptomys hottentotus*; *Dasymys incomtus*; *Dendromus*; *Genetta*; *Georychus capensis*; *Grammomys dolichurus*; *Herpestes ichneumon*; *Hippotragus*; *Homo sapiens*; *Hystrix africaeustralis* cf.; *Mastomys natalensis*; *Mellivora capensis*; *Mus minutoides*; *Myosorex varius*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys irroratus*; *Otomys laminatus*; *Ourebia ourebi*; *Panthera pardus*; *Philantomba monticola*; *Procavia capensis*; *Redunca fulvorufula*; *Rhabdomys pumilio*; *Smutsia temminckii*; *Steatomys*

- pratensis*; *Suncus varilla*; *Syncerus caffer*; *Thryonomys*; *Tragelaphus scriptus*. References: Avery (1991b); Kaplan (1990).
- Umhloti** (2931CA). Taxa: *Homo sapiens*. References: Galloway (1936).
- UmKlaarmaak** (2529BD). Taxa: *Capra hircus*; *Lepus*; *Ovis aries*. References: Nelson (2008, 2009).
- Umuab** (2110:1430). Taxa: *Pronolagus randensis*; *Suricata suricatta*. References: Van Neer and Breunig (1999).
- Uri Hauchub 4** (2515). Taxa: *Panthera pardus*. References: Cruz-Urbe and Klein (1981–1983).
- Vaalhoek** (2835:1705). Other names: /hei-/khomas. Taxa: *Bos taurus*; *Canis mesomelas*; *Capra hircus*; *Caracal caracal* cf.; *Felis silvestris*; *Galerella pulverulenta*; *Oreotragus oreotragus*; *Ovis aries*; *Procavia capensis*; *Pronolagus rupestris*; *Raphicerus campestris*. References: Webley (2001b).
- Van Zyl's Rus Shelter** (3130:2435). Taxa: *Antidorcas australis*; *Canis mesomelas*; *Capra hircus*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus quagga*; *Ovis aries*; *Papio ursinus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*. References: Plug (1999b); Plug and Sampson (1996).
- Velddrif** (3247:1811). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Ventershoek** (2927CA). Taxa: *Antidorcas marsupialis*; *Aonyx capensis*; *Canis*; *Cynictis penicillata*; *Damaliscus pygargus*; *Equus*; *Felis silvestris*; *Oreotragus oreotragus*; *Pelea capreolus*; *Phacochoerus africanus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca arundinum*; *Redunca fulvorufula*; *Taurotragus oryx*; *Vulpes chama*. References: Klein (1979a).
- Village 16** (2229). Taxa: *Bos taurus*; *Lepus saxatilis*; *Pedetes capensis*; *Procavia capensis*. References: Manyanga (2006).
- Vlaeberg** (3306:1800). Taxa: *Bos taurus*; *Procavia capensis*. References: Smith *et al.* (1991).
- Vlermuisgat Cave** (3101:2219). Taxa: *Antidorcas marsupialis*; *Canis mesomelas*; *Connochaetes gnou*; *Crocidura*; *Cynictis penicillata*; *Equus zebra*; *Felis nigripes*; *Galerella sanguinea*; *Gerbilliscus leucogaster*; *Hystrix africae australis*; *Lepus capensis*; *Oreotragus oreotragus*; *Ovis aries*; *Pedetes capensis*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*; *Saccostomus campestris*; *Sylvicapra grimmia*; *Xerus inauris*. References: Badenhorst *et al.* (2015).
- Voëlvlei** (3324:1904). Taxa: *Alcelaphus buselaphus*; *Bathyergus suillus*; *Caracal caracal*; *Elephantulus*; *Felis silvestris*; *Hystrix africae australis*; *Oreotragus oreotragus*; *Panthera pardus*; *Procavia capensis*; *Raphicerus*. References: Morris *et al.* (2004/2005); Smith *et al.* (1991).
- Volstruisfontein** (3124). Taxa: *Antidorcas australis*; *Atilax paludinosus*; *Bos taurus*; *Canis mesomelas*; *Connochaetes gnou*; *Damaliscus pygargus*; *Equus quagga*; *Galerella*; *Ictonyx striatus*; *Ovis aries*; *Parahyaena brunnea*; *Procavia capensis*; *Raphicerus campestris*; *Suricata suricatta*; *Taurotragus oryx*; *Vulpes chama*. References: Plug (1999b); Plug and Sampson (1996).
- VR001**. See Reception Shelter.
- VR005**. See Buzz Shelter.
- Vredenburg** (3254:1759). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Vungu Vungu** (1755:1940). Taxa: *Hippopotamus amphibius*. References: Sandelowsky (1979).
- Vygeboom** (3315:2537). Taxa: *Homo sapiens*. References: Pearce (2008).
- Waterbakke** (3124:1757). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Watervalrivier** (3222:1857). Taxa: *Homo sapiens*. References: Pfeiffer (2013).

- Welgegund** (2547:2754). Taxa: *Homo sapiens*. References: De Villiers (1972b).
- Welgeluk Shelter** (3259:2631). Taxa: *Homo sapiens*. References: Pearce (2008).
- White Paintings Rock Shelter** (1825:2130). Taxa: *Aepyceros melampus*; *Caracal caracal* cf.; *Chlorocebus aethiops*; *Connochaetes taurinus*; *Crocidura hirta* cf.; *Equus burchellii*; *Felis silvestris*; *Fukomys damarensis*; *Genetta*; *Gerbilliscus leucogaster*; *Gerbillurus paeba*; *Giraffa camelopardalis*; *Hippotragus equinus* cf.; *Hystrix africae australis*; *Kobus leche* cf.; *Lepus*; *Mellivora capensis*; *Orycteropus afer*; *Otocyon megalotis*; *Otomys angoniensis* cf.; *Ovis aries*; *Panthera pardus*; *Pedetes capensis*; *Phacochoerus africanus*; *Potamochoerus larvatus*; *Raphicerus campestris*; *Redunca arundinum* cf.; *Saccostomus campestris*; *Sylvicapra grimmia*; *Taurotragus oryx*; *Tragelaphus scriptus*; *Tragelaphus strepsiceros*. References: Robbins (1990); Robbins et al. (2000).
- Widcome** (3320:2656). Taxa: *Homo sapiens*. References: Pearce (2008).
- Wildebeestfontein** (2627:2909). Taxa: *Bos taurus*; *Canis lupus*; *Gerbilliscus* cf.; *Homo sapiens*; *Sylvicapra grimmia*. References: Plug (1979b).
- Wilton Cave** (3322:2618). Taxa: *Homo sapiens*. References: Pearce (2008).
- Wilton Large Rock Shelter** (3319:2608). Taxa: *Bos taurus*; *Dendromus mesomelas*; *Homo sapiens*; *Loxodonta africana*; *Pelea capreolus*; *Potamochoerus larvatus*. References: Brain (1981); Pearce (2008).
- Witklip** (3255:1759). Taxa: *Bathyergus suillus*; *Caracal caracal*; *Felis silvestris*; *Galerella pulverulenta*; *Hystrix africae australis*; *Mellivora capensis*; *Raphicerus campestris*; *Sylvicapra grimmia*; *Syncerus caffer*. References: Smith et al. (1991).
- Witkrans Cave** (2736:2436). Taxa: *Alcelaphus caama?*; *Atilax paludinosus*; *Damaliscus pygargus?*; *Equus burchellii*; *Hippotragus equinus?*; *Papio ursinus*; *Phacochoerus*; *Procavia capensis*; *Raphicerus campestris*; *Redunca fulvorufula*. References: Davis (1961); Dusseldorp et al. (2013); Humphreys (1978); McCrossin (1992); Meester (1961a).
- Witputs North** (2716). Taxa: *Ovis aries*; *Procavia capensis*. References: Cruz-Uribe and Klein (1981–1983).
- Wonderwerk** (2751:2333). Taxa: *Antidorcas marsupialis*; *Crocidura cyanea*; *Crocidura flavescens*; *Crocidura fuscomurina*; *Crocidura hirta*; *Cryptomys hottentotus*; *Dendromus melanotis*; *Desmodillus auricularis*; *Equus capensis*; *Felis silvestris*; *Gerbilliscus*; *Gerbillurus paeba*; *Graphiurus murinus*; *Hippotragus equinus*; *Hystrix africae australis*; *Kobus ellipsiprymnus*; *Malacothrix typica*; *Micaelamys namaquensis*; *Miniopterus natalensis*; *Mus indutus*; *Mus minutoides*; *Myosorex varius*; *Mystromys albicaudatus*; *Neoromicia capensis*; *Oreotragus oreotragus*; *Orycteropus afer*; *Otomys angoniensis* cf.; *Otomys irroratus*; *Papio ursinus*; *Phacochoerus africanus*; *Raphicerus campestris*; *Redunca*; *Rhabdomys pumilio*; *Rhinolophus capensis*; *Rhinolophus clivosus*; *Saccostomus campestris*; *Scotophilus nigrita*; *Steatomys krebsii*; *Suncus lixus*; *Suncus varilla*; *Sylvicapra grimmia*; *Syncerus caffer*; *Tadarida aegyptiaca*; *Taurotragus oryx*; *Thallomys paedulus*; *Zelotomys woosnami*. References: Avery (1981, 1995b, 2007); Brink et al. (2015b, 2016); Fernandez-Jalvo and Avery (2015); Klein (1988); Malan and Cooke (1941); Malan and Wells (1943); Thackeray (1984, 2015); Wells et al. (1942); Vrba (1973); Wadley (2015).
- Wosi** (2854:3102). Taxa: *Aepyceros melampus*; *Aonyx capensis*; *Atilax paludinosus*; *Bos taurus*; *Canis lupus*; *Canis mesomelas*; *Capra hircus*; *Caracal caracal*; *Cephalophus natalensis*; *Chlorocebus aethiops*; *Connochaetes taurinus*; *Equus burchellii*; *Felis silvestris*; *Genetta genetta*; *Hippopotamus amphibius*; *Homo sapiens*; *Hystrix africae australis*; *Loxodonta africana*; *Orycteropus afer*; *Ovis aries*; *Papio ursinus*; *Phacochoerus africanus*; *Philantomba monticola*; *Potamochoerus larvatus*; *Redunca arundinum*; *Redunca fulvorufula*; *Sylvicapra*

- grimmia*; *Thryonomys swinderianus*; *Tragelaphus scriptus*. References: Arnold (2008); Morris (1994); Voigt and Peters (1994a).
- Xaro** (1821). Taxa: *Canis lupus* cf.; *Equus quagga*; *Hippopotamus amphibius* cf.; *Hydrictis maculicollis*; *Kobus leche*; *Ovis aries*; *Tragelaphus spekeii*. References: Van Zyl et al. (2013).
- Ysterfontein** (3320:1809). Taxa: *Homo sapiens*. References: Pfeiffer (2013).
- Zaayfontein** (3040:2520). Taxa: *Antidorcas marsupialis*; *Raphicerus campestris*; *Vulpes chama* cf. References: Klein (1979a).
- Zais** (2401:1608). Taxa: *Antidorcas australis*; *Oreotragus oreotragus*; *Papio ursinus*; *Procavia capensis*; *Raphicerus campestris*. References: Cruz-Urbe and Klein (1981–1983).
- Zebrarivier** (2431:1716). Taxa: *Atelerix frontalis*; *Crocidura cyanea*; *Desmodillus auricularis*; *Elephantulus rupestris* cf.; *Equus*; *Gerbilliscus brantsii* cf.; *Gerbillurus paeba*; *Homo sapiens*; *Macroscelides proboscideus*; *Micaelamys namaquensis*; *Mus indutus*; *Neoromicia capensis*; *Oreotragus oreotragus*; *Otomys irroratus* cf.; *Parotomys littledalei* cf.; *Petromus typicus*; *Petromyscus collinus*; *Procavia capensis*; *Raphicerus campestris*; *Rhabdomys pumilio*; *Rhinolophus capensis*; *Saccostomus campestris*; *Steatomys parvus*; *Suncus varilla*. References: Avery (1984b); Broom (1928); Cruz-Urbe and Klein (1981–1983).
- Zoovoorbij** (2839:2101). Taxa: *Crocidura cyanea*; *Crocidura hirta*; *Cryptomys hottentotus*; *Desmodillus auricularis*; *Elephantulus*; *Gerbilliscus brantsii* cf.; *Gerbillurus paeba*; *Graphiurus murinus*; *Macroscelides proboscideus*; *Malacothrix typica*; *Micaelamys namaquensis*; *Miniopterus schreibersii*; *Mus*; *Parotomys brantsii*; *Petromyscus collinus*; *Rhabdomys pumilio*; *Rhinolophus fumigatus* cf.; *Saccostomus campestris*; *Thallomys paedulus*; *Zelotomys woosnami*. References: Avery (unpublished); Smith (1995).

CHAPTER 7

Present and Future

Almost 200 years of dedicated work by increasing numbers of people has brought us to our present state of knowledge concerning the history of land mammals in southern Africa. This sheer weight of information has made it increasingly difficult to keep track of what is known and to find any piece of information, particularly for non-specialists. For this reason, it seemed useful to begin developing a record of what is known about the taxa involved and where they have been found until now. While such a stock-taking can only ever be backward-looking, it does have the merit not only of reporting the status quo but also of providing a basis for any similar assessments in the future.

7.1 THE CURRENT SITUATION

The number of various taxa recorded so far from southern Africa is considerable (Table 7.1). There is no overall increase with time, but the reasons for this may be somewhat artificial, having to do with not only the number of sites found, which rises from five in the Eocene to 415 in the Holocene, but also with the amount of work done on each epoch. There is, however, a discernible overall pattern in which Orders became essentially stable by the Miocene, families by the Pliocene, genera (though less clearly) by the Pleistocene and species not until the Holocene, when only five species became

Table 7.1 Numbers of Orders, families, genera and species in each epoch, with percentage representation of extinct taxa.

	Number				Percentage extinct			
	Order	Family	Genus	Species	Order	Family	Genus	Species
Eocene	9	19	29	22	33,3	63,2	100	100
Miocene	14	51	108	116	7.1	37.3	85.2	98.3
Pliocene	13	31	114	130	0	3.2	33.3	63.8
Pleistocene	15	38	166	290	0	0	21.7	37.2
Holocene	15	37	130	193	0	0	0	3.1
TOTAL	19	72	314	478	15.8	34.4	53.2	55.6

Table 7.2 Families and genera previously occurring in southern Africa but no longer found in the region. Current distributions after Wilson and Reeder (2005).

Family	Genus	Current Distribution
Tenrecidae		Madagascar; East, Central and West Africa
	<i>Elephas</i>	Southeast Asia
Lorisidae		Southeast Asia, Central Africa
	<i>Cercocebus</i>	East, Central and West Africa
Spalacidae		East Africa; Eastern Europe; Asia Minor
Ochotonidae		North Asia; North America
	<i>Erinaceus</i>	Europe; Asia Minor
	<i>Viverra</i>	Southeast Asia
Chiroptera	<i>Asellia</i>	Pakistan and Afghanistan to Asia Minor; West and North Africa
Ursidae		Europe; Asia; America
Tragulidae		East, Central and West Africa; Southeast Asia; Pacific islands
Bovidae	<i>Beatragus</i>	East Africa
	<i>Gazella</i>	East and North Africa; Asia Minor

extinct. Of these, two springboks and the Cape horse became extinct earlier in the Holocene, but the blue antelope and the quagga were only extirpated during the last century by European settlers. There are also a few families and genera that, although not extinct worldwide, no longer occur in southern Africa (Table 7.2). The family Ursidae, represented by the Pliocene *Agriotherium africanum* from Langebaanweg, tends to be thought of as the most surprising such occurrence but, in fact, the picas (Ochotonidae) are also today restricted to the northern hemisphere (Wilson and Reeder 2005), as is the hedgehog genus *Erinaceus*. However, the absence of *Erinaceus* and of the carnivore genus *Viverra* is effectively an artefact of taxonomy. At one time the extant species *frontalis* and *civetta*, which still occur in southern Africa, were assigned to *Erinaceus* and *Viverra* respectively, whereas they are now considered to belong to *Atelerix* and *Civettictis*. The present absence of *Gazella* is also an artefact of taxonomy. Additionally, there are several taxa that have been introduced by humans, either deliberately as domesticates or accidentally during the Holocene (Table 7.3). The Holocene southern African fauna appears less diverse than that of the Pleistocene, especially in terms of genera and species. When, however, the extinct taxa are removed from consideration, there is very little difference (Table 7.4). In-depth analysis of the temporal relationship between extinct and extant forms will undoubtedly shed light on the relative diversity of the two epochs, but the Pleistocene appears to have been a period of major faunal turnover at the species level.

Table 7.3 Taxa introduced by humans intentionally or accidentally.

Order	Genus and species	Common name
Rodentia	<i>Rattus norvegicus</i>	Black rat
	<i>Rattus rattus</i>	Roof rat
Carnivora	<i>Canis lupus</i>	Domestic dog
Perissodactyla	<i>Equus asinus</i>	Domestic donkey
	<i>Equus caballus</i>	Domestic horse
Artiodactyla	<i>Sus scrofa</i>	Domestic pig
	<i>Bos taurus</i>	Domestic cattle
	<i>Capra hircus</i>	Domestic goat
	<i>Ovis aries</i>	Domestic sheep

Table 7.4 Numbers of genera and species represented in each Order during the Pleistocene and Holocene. PE: Pleistocene. HO: Holocene. All Holocene genera are extant.

	Genus			Species			
	PE all	PE extant	HO all	PE all	PE extant	HO all	HO extant
Cimolesta	0	0	0	0	0	0	0
Afrosoricida	6	5	6	8	6	6	6
Macroscelidea	3	2	2	10	7	5	5
Tubulidentata	1	1	1	1	1	1	1
Embrithopoda	0	0	0	0	0	0	0
Hyracoidea	2	2	2	4	2	2	2
Proboscidea	3	2	1	6	1	1	1
Primates	12	4	6	23	5	6	7
Rodentia	40	37	36	65	53	59	59
Lagomorpha	3	3	4	6	6	7	6
Erinaceomorpha	2	1	1	2	1	1	1
Soricomorpha	3	3	3	13	11	9	9
Chiroptera	12	12	9	18	18	13	13
Pholidota	1	1	1	1	1	1	1
Creodonta	0	0	0	0	0	0	0
Carnivora	36	28	27	56	32	33	33
Perissodactyla	4	3	3	9	4	8	6
Artiodactyla	38	26	28	68	34	41	38
TOTAL	166	130	130	290	182	193	188

7.2 THE WAY FORWARD

There are two potential shortcomings of any compilation that must be acknowledged: it is both effectively a snap-shot in time and almost certainly incomplete even at the time of its publication. This being the case, to increase or, at least, prolong its usefulness some attempt must be made to offset both failings. In the past this was difficult to do and could only be effected by the publication of periodic updates. There are various major examples such as the taxonomic work *Mammal Species of the World*, edited by Don E. Wilson and DeeAnn M. Reeder, of which the third edition has so far been published (Wilson and Reeder 2005) and a fourth edition is imminent (www.mammalsociety.org/uploads/report_files/Checklist%20Committee_0.pdf). This work is also an example of the explosion in knowledge on mammal taxonomy over the 35 years since the first edition was published. Now, online resources have made it much easier to update content and *Mammal Species of the World* has taken increasing advantage of this facility (www.departments.bucknell.edu/biology/resources/msw3).

Of course, it is in no way suggested the current work is comparable to this major exercise, but the principle is the same. For one thing, it is hoped that it will be unnecessary for anyone to begin at the beginning again. Instead, what appears here is very much the starting point to what can most usefully be considered a work in progress. The implication of such an approach is that it is not static but will require ongoing input and correction. To do this effectively it will be essential to establish an online database, such as Fossilworks (www.fossilworks.org), which will allow workers (both taxonomists and excavators) to add and/or correct data and keep information current. Other examples of similar databases are The East African Mammals Dentition Database (<http://humanorigins.si.edu/education/website/east-african-mammals-dentition-database>) and The Copenhagen Database of African Vertebrates (<http://macroecology.ku.dk/resources/african-vertebrates>). None of these examples is directly comparable to what is proposed here, but each has aspects that could be considered and/or included. For instance, the East African database indicates the importance of adding illustrations of the taxa while the Copenhagen site shows that dedicated software can improve maps considerably. Indeed, use of the latest technology can only improve accuracy and presentation in general. It is also to be hoped that the site could include archived copies of as many relevant publications as possible. This, of course, depends on solving any copyright issues, but it should be possible to archive many of the early, hard-to-access papers. At the least, URLs should be provided so that all can benefit from the searches of others. It is to be hoped that a southern African institution will take up the challenge to provide this service to the community.

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Note: Although it proved impossible to obtain copies of a few publications they have been included for the sake of completeness.

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