

Checklist of the mammals of Western Australia

R.A. How, N.K. Cooper and J.L. Bannister

Western Australian Museum, Francis Street, Perth, Western Australia 6000, Australia

INTRODUCTION

The *Checklist of the Mammals of Western Australia* is a collation of the most recent systematic information on Western Australian mammal taxa, incorporating the list of taxa compiled from the Western Australian Museum's mammal database and the literature. The Checklist presents the nomenclature accepted by the Western Australian Museum in maintaining the state's mammal collection and database. Listed are those species probably extant at the time of arrival of Europeans to Western Australia.

Nomenclature, in general, follows the *Zoological Catalogue of Australia*, Volume 5, Mammalia (1988). Consideration has been given to the nomenclatural decisions in *The 1996 Action Plan of Australian Marsupials and Monotremes* (Maxwell, Burbidge and Morris, 1996) and *The Action Plan for Australian Bats* (Reardon, 1999a). For cetaceans, consideration has also been given to the recent marine mammal review by Rice (1998) and to *The Action Plan for Australian Cetaceans* (Bannister, Kemper and Warneke, 1996). The order of cetacean families follows the recommendations of Rice (*op. cit.*).

Common names ascribed are those that are widely accepted or which appear first in the list of indigenous names in *The Mammals of Australia* (1998). We have used a different common name where we have recent taxonomic information relating to altered specific/subspecific status in Western Australia.

Since, 1950, about 60 new mammal taxa have been described or recognised within Western Australia as a result of the continuing research into the identity of mammal species. Many of these taxa have been identified because of the recent advances in molecular and genetic techniques that use tissue samples from the extensive specimen-based collections housed at the Western Australian Museum. New discoveries have also resulted from recent fieldwork in areas of Western Australia where little systematic collecting had been carried out previously and from examination of specimens within the Western Australian mammal collection.

The study of variation within Western Australia's mammal fauna is ongoing and additional recognisable taxa have yet to be formally described. This level of taxonomic uncertainty necessitates

continued collection of species across their range. Where the level of taxonomic uncertainty is being formally resolved, footnotes to the individual taxon appear at the end of the family listings.

Numerous taxa have become extinct on a national or state level since European settlement and there have been several recent attempts to reintroduce regionally extinct taxa to former areas. The present status of these taxa is indicated by symbols in the Checklist.

Symbols used

- † Denotes extinct taxon.
- * Denotes taxon extinct in Western Australia but extant in other parts of Australia.
- \$ Denotes taxon extinct on Western Australian mainland and recently reintroduced from other parts of Australia or translocated from islands off Western Australia.
- + Denotes non-Australian fauna now established as wild populations.
- # Vagrant.
- ! Sightings (for Cetaceans only).

ACKNOWLEDGEMENTS

The authors would like to thank Ken Aplin who provided enlightened comments, and Mark Adams, Alex Baynes, Andrew Burbidge, Laurie Corbett, Jackie Courtney, Mark Eldridge, Mark Harvey, Cath Kemper, Harry Parnaby, Peter Spencer and Steve Van Dyck for sharing their systematic expertise with us.

REFERENCES

- Bannister, J.L., Kemper, C.M. and Warneke, R.M. (1996). *The Action Plan for Australian Cetaceans*. Australian Nature Conservation Agency, Canberra.
- Boscacci, L.J., McKenzie, N.L. and Kemper, C.M. (1987). Mammals. In N.L. McKenzie and A.C. Robinson (eds), *A biological survey of the Nullarbor region South and Western Australia in 1984*: 109. South Australian Department of Environment and Planning, Adelaide.
- Courtney, J.M. (1993). The systematics of the Hare-wallabies; *Lagorchestes*, Gould 1841 and *Lagostrophus*, Thomas 1887. Unpublished Ph.D. Thesis, Australian National University, Canberra.

- Groves, C.P. and Bishop, J.F. (1989). Cervidae. In Walton, D.W. and Richardson, B.J. (eds), *Fauna of Australia Vol 1b. Mammalia*: 1054–1060. Australian Government Publishing Service, Canberra.
- Kerle, J.A., McKay, G.M. and Sharman, G.B. (1991). A systematic analysis of the brushtail possum *Trichosurus vulpecula* (Kerr 1792) (Marsupialia: Phalangeridae). *Australian Journal of Zoology* 39: 313–331.
- Maxwell, S., Burbidge, A.A. and Morris, K. (1996). *The 1996 Action Plan of Australian Marsupials and Monotremes*. Wildlife Australia, Australian Nature Conservation Agency, Canberra
- Musser, G.G. and Carleton, M.D. (1992). Family Muridae. In D.E. Wilson and D.M. Reeder (eds), *mammal species of the world: a taxonomic and geographic reference*. 2nd edition: 501–755. Smithsonian Institution, Washington.
- Reardon, T. (1999a). Taxonomy and selection of taxa for this action plan. In A. Duncan, G.B. Baker and N. Montgomery (eds), *The Action Plan for Australian Bats*: 6–14. Natural Heritage Trust, Canberra, Australia.
- Reardon, T. (1999b). Nomenclature of *Tadarida australis* (Gray 1838). *The Australasian Bat Society Newsletter* 12: 22–24.
- Rice, D.W. (1998). *Marine mammals of the world: systematics and distribution*. The Society for Marine Mammalogy, Special Publication Number 4.
- Spencer, P. and Eldridge, M. (1998). *A report on the taxonomic and population status of the Rufous hare-wallaby* (*Lagorchestes hirsutus*). Unpublished report for the Mala Recovery Team meeting Alice Springs, Northern Territory.
- Strahan, R. (ed.) (1998). *The Mammals of Australia*. Australian Museum/Reed Books, Sydney.
- Walton, D.W. (ed.) (1988). *Zoological Catalogue of Australia*, vol. 5, Mammalia. Australian Government Publication Service, Canberra.

Manuscript received 14 July 1999; accepted 21 February 2001.

Class MAMMALIA

Subclass PROTOTHERIA

Order MONOTREMATA

Family TACHYGLOSSIDAE

Tachyglossus aculeatus (Shaw, 1792) Echidna

Subclass MARSUPIALIA

Order DASYUROMORPHIA

Family DASYURIDAE

Antechinomys laniger (Gould, 1856) Kultarr

Antechinus flavipes (Waterhouse, 1838)

A. f. leucogaster (Gray, 1841)

Yellow-footed Antechinus, Mardo

Dasyercus cristicauda (Kreffft, 1867) Mulgara

Dasyercus hillieri (Thomas, 1905) Ampurta

Dasykaluta rosamondae (Ride, 1964) Little Red Kaluta

Dasyurus geoffroii Gould, 1841

Western Quoll, Chuditch

Dasyurus hallucatus Gould, 1842 Northern Quoll

Ningau ridei Archer, 1975 Wongai Ningau

Ningau timealeyi Archer, 1975 Pilbara Ningau

Ningau yoonneae Kitchener, Stoddart and Henry, 1983 Southern Ningau

Parantechinus apicalis (Gray, 1842) Dibbler

Phascogale calura Gould, 1844 Red-tailed Phascogale

Phascogale tapoatafa (Meyer, 1793)

*P. t. tapoatafa*¹ (Meyer, 1793)

Southern Brush-tailed Phascogale, Wambenger

P. t. pirata (Thomas, 1904)

Northern Brush-tailed Phascogale

*Planigale ingrami*² (Thomas, 1906)

Long-tailed Planigale

Planigale maculata (Gould, 1851) Common Planigale

Pseudantechinus macdonnellensis (Spencer, 1895)

Fat-tailed Pseudantechinus

Pseudantechinus ningbing Kitchener, 1988

Ningbing Pseudantechinus

Pseudantechinus roryi Cooper, Aplin and Adams,

2000

Rory's Pseudantechinus

Pseudantechinus woolleyae Kitchener and Caputi,

1988

Woolley's Pseudantechinus

Sminthopsis butleri Archer, 1979 Butler's Dunnart

Sminthopsis crassicaudata (Gould, 1844)

Fat-tailed Dunnart

Sminthopsis dolichura Kitchener, Stoddart and

Henry, 1984

Little Long-tailed Dunnart

Sminthopsis gilberti Kitchener, Stoddart and Henry,

1984

Gilbert's Dunnart

Sminthopsis granulipes Troughton, 1932

White-tailed Dunnart

Sminthopsis griseoventer Kitchener, Stoddart and

Henry, 1984

S. g. griseoventer Kitchener, Stoddart and Henry,

1984

Grey-bellied Dunnart

S. g. boullangerensis Crowther, Dickman and

Lynam, 1999

Boullanger Island Dunnart

¹ *P. t. tapoatafa* in south-western Australia is now recognised as representing an undescribed species (S.G. Rhind and N.K. Cooper, unpublished data).

² A new taxon of *Planigale* that is morphologically and genetically distinct is being described (M. Adams, R.A. How and N.K. Cooper, unpublished data).

- Sminthopsis hirtipes* Thomas, 1898
Hairy-footed Dunnart
- Sminthopsis longicaudata* Spencer, 1909
Long-tailed Dunnart
- Sminthopsis macroura*³ (Gould, 1845)
Stripe-faced Dunnart
- Sminthopsis ooldea* Troughton, 1965 Ooldea Dunnart
- Sminthopsis psammophila* Spencer, 1895
Sandhill Dunnart
- Sminthopsis virginiae*⁴ (Tarragon, 1847)
Red-cheeked Dunnart
- Sminthopsis youngsoni* McKenzie and Archer, 1982
Lesser Hairy-footed Dunnart

Family MYRMECOBIIDAE

- Myrmecobius fasciatus* Waterhouse, 1836
Numbat, Walpurti

Order PERAMELEMORPHIA

Family PERAMELIDAE

- †*Chaeropus ecaudatus* (Ogilby, 1838)
Pig-footed Bandicoot
- Isoodon auratus* (Ramsay, 1887)
I. a. auratus (Ramsay, 1887) Golden Bandicoot
- I. a. barrowensis* (Thomas, 1901)
Barrow Island Golden Bandicoot
- Isoodon macrourus* (Gould, 1842)
Northern Brown Bandicoot
- Isoodon obesulus* (Shaw, 1797)
I. o. fusciventer (Gray, 1841)
Southern Brown Bandicoot, Quenda
- Perameles bougainville* Quoy and Gaimard, 1824
Western Barred Bandicoot, Marl
- †*Perameles eremiana* Spencer, 1897 Desert Bandicoot

Family THYLACOMYIDAE

- Macrotis lagotis* (Reid, 1837) Bilby, Dalgyte
- †*Macrotis leucura* (Thomas, 1887) Lesser Bilby

Order NOTORYCTEMORPHIA

Family NOTORYCTIDAE

- Notoryctes caurinus* Thomas, 1920
Northern Marsupial Mole

- Notoryctes typhlops* (Stirling, 1889)
Southern Marsupial Mole

Order DIPROTODONTIA

Family VOMBATIDAE

- Lasiorhinus latifrons* (Owen, 1845)
Southern Hairy-nosed Wombat

Family POTOROIDAE

- Bettongia lesueur*⁵ (Quoy and Gaimard, 1824)
B. l. lesueur (Quoy and Gaimard, 1824)
Shark Bay Burrowing Bettong
- †*B. l. graii* (Gould, 1841)
Burrowing Bettong, Boodie
- Bettongia penicillata* Gray, 1837
B. p. ogilbyi (Waterhouse, 1841)
Brush-tailed Bettong, Woylie
- †*Potorous platyops* (Gould, 1844)
Broad-faced Potoroo
- Potorous gilbertii* (Gould, 1841) Gilbert's Potoroo

Family MACROPODIDAE

- †*Lagorchestes asomatus* Finlayson, 1943
Central Hare-wallaby
- Lagorchestes conspicillatus* Gould, 1842
L. c. conspicillatus Gould, 1842
Barrow Island Spectacled Hare-wallaby
- L. c. leichardti* Gould, 1853
Spectacled Hare-wallaby
- Lagorchestes hirsutus*⁶ Gould, 1844
†*L. h. hirsutus* Gould, 1844 Rufous Hare-wallaby
- L. h. bernieri* Thomas, 1907
Rufous Hare-wallaby (Bernier Island)
- L. h. dorrae* Thomas, 1907
Rufous Hare-wallaby (Dorre Island)
- Lagostrophus fasciatus* (Péron and Lesueur, 1807)
L. f. fasciatus (Péron and Lesueur, 1807)
Bernier Island Banded Hare-wallaby
- †*L. f. albipilis* (Gould, 1842)
Banded Hare-wallaby
- Macropus agilis* (Gould, 1842) Agile Wallaby
- Macropus antilopinus* (Gould, 1842)
Antilopine Wallaroo
- Macropus eugenii* (Desmarest, 1817)
M. e. derbianus (Gray, 1837) Tammar
- Macropus fuliginosus* (Desmarest, 1817)
Western Grey Kangaroo

³ There are new taxa of *S. macroura* which are both morphologically and genetically distinct (M. Adams and N.K. Cooper unpublished data).

⁴ The subspecific status is unresolved.

⁵ The Barrow Island population currently referred to *B. lesueur* is a distinct taxon that warrants recognition at least at subspecific level (K.P. Aplin, personal communication).

⁶ Recent molecular work by Spencer and Eldridge (1998) has shown that the listed subspecies are at most very weakly differentiated. According to Courtenay (1993), the extant Central Australian population is a distinct and currently unnamed form which has been introduced to Trimouille Island and mainland Western Australian reserves. This form may have extended into Western Australian (Canning Stock Route) but is now extinct in the area.

- Macropus irma* (Jourdan, 1837)
Western Brush Wallaby
- Macropus robustus* Gould, 1841
M. r. erubescens Sclater, 1870 Euro, Biggada
M. r. isabellinus (Gould, 1842)
Barrow Island Euro
- Macropus rufus* (Desmarest, 1822)
Red Kangaroo, Marlu
- †*Onychogalea lunata* (Gould, 1841)
Crescent Nailtail Wallaby, Wurrung
- Onychogalea unguifera* (Gould, 1841)
Northern Nailtail Wallaby, Karrabul
- Petrogale brachyotis* (Gould, 1841)
Short-eared Rock-wallaby
- Petrogale burbidgei* Kitchener and Sanson, 1978
Monjon, Warabi
- Petrogale concinna* Gould, 1842
P. c. monastria (Thomas, 1926) Nabarlek
- Petrogale lateralis*⁷ Gould, 1842
P. l. lateralis Gould, 1842
Black-footed Rock-wallaby
- P. l. hacketti* Thomas, 1905
Recherche Black-footed Rock-wallaby
- Petrogale rothschildi* Thomas, 1904
Rothschild's Rock-wallaby
- Setonix brachyurus* (Quoy and Gaimard, 1830)
Quokka

Family PHALANGERIDAE

- Trichosurus vulpecula* (Kerr, 1793)
T. v. arnhemensis Collett, 1897
Northern Brushtail Possum
- T. v. vulpecula*⁸ (Kerr, 1793)
Common Brushtail Possum
- Wyulda squamicaudata* Alexander, 1919
Scaly-tailed Possum

Family PETAURIDAE

- Petaurus breviceps* Waterhouse, 1839
P. b. ariel (Gould, 1842) Sugar Glider

Family PSEUDOCHEIRIDAE

- Petropseudes dahli* (Collett, 1895)
Rock Ringtail Possum, Wogoit
- Pseudocheirus occidentalis* (Thomas, 1888)
Western Ringtail Possum

Family BURRAMYIDAE

- Cercartetus concinnus* (Gould, 1845)
Western Pygmy-possum, Mundarda

Family TARSIPEDIDAE

- Tarsipes rostratus* Gervais and Verraux, 1842
Honey Possum, Noolbenger

Subclass EUTHERIA

Order CHIROPTERA

Family PTEROPODIDAE

- Macroglossus minimus* (Geoffroy, 1810)
Northern Blossom-bat
- Pteropus alecto* Temminck, 1837 Black Flying-fox
- Pteropus scapulatus* Peters, 1862 Little Red Flying-fox

Family EMBALLONURIDAE

- Saccolaimus flaviventris* (Peters, 1867)
Yellow-bellied Sheathtail-bat
- Taphozous georgianus* Thomas, 1915
Common Sheathtail-bat
- Taphozous hilli* Kitchener, 1980 Hill's Sheathtail-bat

Family MEGADERMATIDAE

- Macroderma gigas* (Dobson, 1880) Ghost Bat

Family HIPPOSIDERIDAE

- Hipposideros ater* Templeton, 1848
*H. a. gilberti*⁹ (Johnson, 1959)
Dusky Leafnosed-bat
- Hipposideros stenotis* Thomas, 1913
Northern Leafnosed-bat
- Rhinonicteris aurantius* (Gray, 1845)
Orange Leafnosed-bat

Family VESPERTILIONIDAE

- Chalinolobus gouldii* (Gray, 1841)
Gould's Wattled Bat
- Chalinolobus morio* (Gray, 1841)
Chocolate Wattled Bat
- Chalinolobus nigrogriseus* (Gould, 1856)
Hoary Wattled Bat
- Falsistrellus mackenziei* Kitchener, Caputi and Jones,
1986 Western False Pipistrelle
- Miniopterus schreibersii* (Kuhl, 1817)
M. s. orianae Thomas, 1922
Common Bentwing Bat
- Myotis moluccarum* (Thomas, 1915)
M. m. moluccarum (Thomas, 1915)
Northern Large-footed Bat

⁷ There are new taxa in *P. lateralis* recognised from the west Kimberley and MacDonnell Ranges which are genetically distinct (M. Eldridge personal communication).

⁸ Kerle *et al.* (1991) determined populations in south-western Western Australia as belonging to the nominate subspecies, not to *T. v. hypoleucus* (Wagner, 1855).

⁹ According to Reardon (1999a), this is the accepted taxonomic name.

- Nyctophilus arnhemensis* Johnson, 1959
Arnhem Land Long-eared Bat
- Nyctophilus bifax* (Thomas, 1915)
N. b. daedalus (Thomas, 1915)
Northwestern Long-eared Bat
- Nyctophilus geoffroyi* Leach, 1821
Lesser Long-eared Bat
- Nyctophilus gouldi* Tomes, 1858
Gould's Long-eared Bat
- Nyctophilus timoriensis*¹⁰ (Geoffroy, 1806)
N. t. timoriensis (Geoffroy, 1806)
Greater Long-eared Bat
- Nyctophilus walkeri* Thomas, 1892
Pygmy Long-eared Bat
- Pipistrellus westralis* Koopman, 1984
Northern Pipistrelle
- Scotorepens balstoni* (Thomas, 1906)
Inland Broad-nosed Bat
- Scotorepens greyii* (Gray, 1843)
Little Broad-nosed Bat
- Scotorepens sanborni* (Troughton, 1937)
Northern Broad-nosed Bat
- Vespadelus baverstocki* (Kitchener, Jones and Caputi, 1987)
Inland Forest Bat
- Vespadelus caurinus* (Thomas, 1914)
Western Cave Bat
- Vespadelus douglasorum*¹¹ (Kitchener, 1976)
Yellow-lipped Bat
- Vespadelus finlaysoni* (Kitchener, Jones and Caputi, 1987)
Finlayson's Cave Bat
- Vespadelus regulus* (Thomas, 1906)
Southern Forest Bat

Family MOLOSSIDAE

- Chaerephon jobensis* (Miller, 1902)
Northern Freetail-bat
- Mormopterus beccarii*¹² Peters, 1881
Beccari's Freetail-bat
- Mormopterus loriae*¹² (Thomas, 1897)
Little Northern Freetail-bat
- Mormopterus petersi*¹² (Leche, 1884)
Central Freetail-bat
- Mormopterus planiceps*¹² (Peters, 1866)
Southern Freetail-bat
- Tadarida australis*¹³ (Gray, 1838)
White-striped Freetail-bat

Order RODENTIA

Family MURIDAE

- Conilurus penicillatus* (Gould, 1842)
Brush-tailed Tree-rat
- Hydromys chrysogaster* Geoffroy, 1804
Water-rat
- Leggadina forresti* (Thomas, 1906)
Forrest's Mouse
- Leggadina lakedownensis* Watts, 1976
Short-tailed Mouse
- +*Leporillus apicalis* (Gould, 1853)
Lesser Stick-nest Rat
- Leporillus conditor*¹⁴ (Sturt, 1848)
Greater Stick-nest Rat
- Melomys burtoni* (Ramsay, 1887)
Grassland Melomys
- Mesembriomys gouldii* (Gray, 1843)
Black-footed Tree-rat
- Mesembriomys macrurus* (Peters, 1876)
Golden-backed Tree-rat
- +*Mus musculus*¹⁵ Linnaeus, 1758
House Mouse
- Notomys alexis* Thomas, 1922
Spinifex Hopping-mouse
- +*Notomys amplius* Brazenor, 1936
Short-tailed Hopping-mouse
- +*Notomys longicaudatus* (Gould, 1844)
Long-tailed Hopping-mouse
- +*Notomys macrotis* Thomas, 1921
Big-eared Hopping-mouse
- Notomys mitchellii* (Ogilby, 1838)
Mitchell's Hopping-mouse
- Pseudomys albocinereus* (Gould, 1845)
Ash-grey Mouse
- Pseudomys australis*¹⁶ Gray, 1832
Plains Rat
- Pseudomys bolami* Troughton, 1932
Bolam's Mouse
- Pseudomys chapmani* Kitchener, 1980
Western Pebble-mound Mouse
- Pseudomys delicatulus* (Gould, 1842)
Delicate Mouse
- Pseudomys desertor* Troughton, 1932
Desert Mouse
- Pseudomys fieldi* (Waite, 1896)
Shark Bay Mouse
- Pseudomys hermannsburgensis* (Waite, 1896)
Sandy Inland Mouse
- Pseudomys laborifex*¹⁷ Kitchener and Humphreys, 1986
Kimberley Mouse
- Pseudomys nanus* (Gould, 1858)
Western Chestnut Mouse
- Pseudomys occidentalis* Tate, 1951
Western Mouse
- Pseudomys shortridgei* (Thomas, 1907)
Heath Rat
- Rattus exulans* (Peale, 1848)
Pacific Rat
- Rattus fuscipes* (Waterhouse, 1839)
Western Bush Rat

¹⁰ There are two unnamed forms in Western Australia. The species may be referred to *N. major* [H. Parnaby, in Strahan (1998)].

¹¹ An undescribed taxon of *Vespadelus* occurs in the Kimberley (N.L. McKenzie and N.K. Cooper unpublished data).

¹² Undescribed taxa in *Mormopterus* spp. are being revised (N.L. McKenzie and T. Reardon, personal communication).

¹³ Transferred from *Nyctinomus* by Reardon (1999b).

¹⁴ Reintroduced to Western Australia from Franklin Island, South Australia.

¹⁵ *Mus domesticus* is considered by some to be a subspecies of *M. musculus*. However, the taxonomy of *Mus* remains unresolved (Musser and Carleton, 1992).

¹⁶ *P. australis* is extant in Western Australia (A. Baynes, personal communication, in Boscacci *et al.*, 1987).

¹⁷ A new member of the *P. laborifex* "species-group" from the Kimberley is currently being described (R.A. How, N.K. Cooper and S. Donnellan, unpublished data).

- +*Rattus norvegicus* (Berkenhout, 1769) Brown Rat
 +*Rattus rattus* (Linnaeus, 1758) Black Rat
Rattus tunneyi (Thomas, 1904) Pale Field-rat
*Rattus villosissimus*¹⁸ (Waite, 1898) Long-haired Rat
Zyomys argurus (Thomas, 1889) Common Rock-rat
 **Zyomys pedunculatus* Waite, 1896 Central Rock-rat
Zyomys woodwardi (Thomas, 1909)
 Kimberley Rock-rat

Family SCIURIDAE

- +*Funambulus pennanti* Wroughton, 1905
 Indian Palm Squirrel

Order LAGOMORPHA

Family LEPORIDAE

- +*Oryctolagus cuniculus* (Linnaeus, 1758) Rabbit

Order SIRENIA

Family DUGONGIDAE

- Dugong dugon* (Müller, 1776) Dugong

Order CETACEA

Family BALAENIDAE

- Eubalaena australis*¹⁹ (Desmoulins, 1822)
 Southern Right Whale

Family NEOBALAENIDAE

- Caperea marginata* (Gray, 1846) Pygmy Right Whale

Family BALAENOPTERIDAE

- Balaenoptera acutorostrata*²⁰ Lacépède, 1804
 Common Minke Whale
*Balaenoptera bonaerensis*²¹ Burmeister, 1867
 Antarctic Minke Whale
Balaenoptera borealis Lesson, 1828 Sei Whale
Balaenoptera edeni Anderson, 1879 Bryde's Whale
Balaenoptera musculus (Linnaeus, 1758)
B. m. brevicauda Ichihara, 1966
 Pygmy Blue Whale
B. m. intermedia Burmeister, 1871
 'True' or Antarctic Blue Whale

- Balaenoptera physalus* (Linnaeus, 1758) Fin Whale
Megaptera novaeangliae (Borowski, 1781)
 Humpback Whale

Family PHYSETERIDAE

- Physeter macrocephalus* Linnaeus, 1758 Sperm Whale

Family KOGIIDAE

- Kogia breviceps* (Blainville, 1838)
 Pygmy Sperm Whale
*Kogia sima*²² (Owen, 1866) Dwarf Sperm Whale

Family ZIPHIIDAE

- Berardius arnuxii* Duvernoy, 1851
 Arnoux's Beaked Whale
Hyperoodon planifrons Flower, 1882
 Southern Bottlenose Whale
Mesoplodon bowdoini Andrews, 1908
 Andrew's Beaked Whale
Mesoplodon densirostris (Blainville, 1817)
 Blainville's Beaked Whale
Mesoplodon grayi Von Haast, 1876
 Gray's Beaked Whale
*Mesoplodon hectori*²³ (Gray, 1871)
 Hector's Beaked Whale
Mesoplodon layardii (Gray, 1865)
 Strap-toothed Beaked Whale
Mesoplodon mirus True, 1913 True's Beaked Whale
Tasmacetus shepherdii Oliver, 1937
 Shepherd's Beaked Whale
Ziphius cavirostris G. Cuvier, 1823
 Cuvier's Beaked Whale

Family DELPHINIDAE

- Delphinus delphis*²⁴ Linnaeus, 1758 Common Dolphin
Feresa attenuata Gray, 1874 Pygmy Killer Whale
Globicephala macrorhynchus Gray, 1846 Short-finned
 Pilot Whale
Globicephala melas (Traill, 1809)
 Long-finned Pilot Whale
Grampus griseus (G. Cuvier, 1812) Risso's Dolphin
Lagenodelphis hosei Fraser, 1956 Fraser's Dolphin
 !*Lagenorhynchus obscurus*²⁵ (Gray, 1828)
 Dusky Dolphin

¹⁸ Chromosomally, the population in the Kimberley are similar to *Rattus villosissimus*, however, morphologically they are distinct. The taxonomy of the Western Australian species is being resolved (N.K. Cooper and K.P. Aplin, unpublished data).

¹⁹ Rice (1998) referred this species to *Balaena glacialis*, but this has been challenged recently and we return it to *Eubalaena australis*.

²⁰ An undescribed dwarf form of *Balaenoptera acutorostrata* is found in the Southern Hemisphere, including off Western Australia.

²¹ Recognised as a full species by Rice (1998).

²² Formerly *K. simus*, but see Rice (1998).

²³ The sole record of this species from Western Australia was identified from a genetic (skin) sample (J.L. Bannister, unpublished data).

²⁴ *D. capensis* may be present in waters off northern Western Australia (Rice, 1998).

²⁵ This was an unconfirmed sighting off the south coast, but it is likely to occur there (Bannister *et al.*, 1996).

Lissodelphis peronii (Lacépède, 1804)
Southern Right Whale Dolphin
Orcaella brevirostris (Owen in Gray, 1866)
Irrawaddy Dolphin
Orcinus orca (Linnaeus, 1758) Killer Whale
Peponocephala electra (Gray, 1846)
Melon-headed Whale
Pseudorca crassidens (Owen, 1846) False Killer
Whale
Sousa chinensis (Osbeck, 1765)
Indo-Pacific Humpbacked Dolphin
Stenella attenuata (Gray, 1846) Spotted Dolphin
Stenella coeruleoalba (Meyen, 1833) Striped Dolphin
Stenella longirostris (Gray, 1828) Spinner Dolphin
Steno bredanensis (G. Cuvier in Lesson, 1828)
Rough-toothed Dolphin
*Tursiops truncatus*²⁶ (Montagu, 1821)
Bottlenose Dolphin

Order CARNIVORA

Family OTARIIDAE

Arctocephalus forsteri (Lesson, 1828)
New Zealand Fur Seal
Arctocephalus tropicalis (Gray, 1872)
Sub-antarctic Fur Seal
Neophoca cinerea (Péron, 1816) Australian Sea Lion

Family PHOCIDAE

Hydrurga leptonyx (Blainville, 1820)
Leopard Seal
*Lobodon carcinophaga*²⁷ (Hombron and Jacquinot,
1842) Crab-eater Seal
Mirounga leonina (Linnaeus, 1758)
Southern Elephant Seal

Family CANIDAE

Canis lupus Linnaeus, 1758
C. l. *dingo* (Meyer, 1793) Dingo
+ *Vulpes vulpes* Linnaeus, 1758 Red Fox

Family FELIDAE

+ *Felis catus* Linnaeus, 1758 Cat

Family MUSTELIDAE

+ *Mustela putorius* Linnaeus, 1758
European Polecat, Ferret

Order PERISSODACTYLA

Family EQUIDAE

+ *Equus asinus* Linnaeus, 1758 Donkey
+ *Equus caballus* Linnaeus, 1758 Horse

Order ARTIODACTYLA

Family SUIDAE

+ *Sus scrofa* Linnaeus, 1758 Pig

Family CAMELIDAE

+ *Camelus dromedarius* Linnaeus, 1758
Dromedary, Camel

Family BOVIDAE

+ *Bos taurus* Linnaeus, 1758 European Cattle
+ *Bubalus bubalis* (Linnaeus, 1758) Water Buffalo
+ *Capra hircus* Linnaeus, 1758 Goat

Family CERVIDAE

+ *Cervus elaphus* Linnaeus, 1758 Red Deer
+ *Dama dama* (Linnaeus, 1758) Fallow Deer

²⁶ Smaller, northern animals may be attributable to *T. aduncus* (Rice, 1998).

²⁷ Formerly *L. carcinophagus*, but see Rice (1998).

INDEX OF FAMILIES

Balaenidae	96	Myrmecobiidae	93
Balaenopteridae	96	Neobalaenidae	96
Bovidae	97	Notoryctidae	93
Burramyidae	94	Otariidae	97
Camelidae	97	Peramelidae	93
Canidae	97	Petauridae	94
Cervidae	97	Phalangeridae	94
Dasyuridae	92	Phocidae	97
Delphinidae	96	Physeteridae	96
Dugongidae	96	Potoroidae	93
Emballonuridae	94	Pseudocheiridae	94
Equidae	97	Pteropodidae	94
Felidae	97	Sciuridae	96
Hipposideridae	94	Suidae	97
Kogiidae	96	Tachyglossidae	92
Leporidae	96	Tarsipedidae	94
Macropodidae	93	Thylacomyidae	93
Megadermatidae	94	Vespertilionidae	94
Molossidae	95	Vombatidae	93
Muridae	95	Ziphiidae	96
Mustelidae	97		