3 April 2012
List of Marine Mammal Species and Subspecies

The Ad-Hoc Committee on Taxonomy, chaired by Bill Perrin, has produced the first official SMM list of marine mammal species and subspecies. Consensus on some issues was not possible; this is reflected in the footnotes.

This list will be revisited and possibly revised every few months reflecting the continuing flux in marine mammal taxonomy. This version was updated on 3 April 2012.

This list can be cited as follows: “Committee on Taxonomy. 2012. List of marine mammal species and subspecies. Society for Marine Mammalogy, www.marinemammalscience.org, consulted on [date].”

This list includes living and recently extinct species and subspecies. It is meant to reflect prevailing usage and recent revisions published in the peer-reviewed literature. Author(s) and year of description of the species follow the Latin species name; when these are enclosed in parentheses, the species was originally described in a different genus. Classification and scientific names follow Rice (1998), with adjustments reflecting more recent literature. Common names are arbitrary and change with time and place; one or two currently frequently used in English and/or a range language are given here. Additional English common names and common names in French, Spanish, Russian and other languages are available at www.marinespecies.org/cetacea/.

Based on molecular and morphological data, the cetaceans genetically and morphologically fall firmly within the artiodactyl clade (Geisler and Uhen, 2005), and therefore we include them in the order Cetartiodactyla, with Cetacea, Mysticeti and Odontoceti as unranked taxa (recognizing that the classification within Cetartiodactyla remains partially unresolved -- e.g., see Spaulding et al., 2009, Price et al., 2005; Agnarsson and May-Collado, 2008). Below the rank of order, we list only families, species and subspecies, omitting superfamilies, subfamilies and taxa of other ranks.

For pinnipeds we follow Berta and Churchill (2011). To avoid issues of paraphyly, these authors proposed that based on data from genetics and morphology the genus Arctocephalus be limited to Arctocephalus pusillus, the type species of the genus Arctocephalus, and transferred the remaining 'Arctocephalus' species (i.e. A. australis, A. galapagoensis, A. gazelle, A. philippii and A. tropicalis) to Arctophoca Peters, 1866. Four subspecies of Arctophoca australis are listed: A. a. australis, A. a. forsteri, A. a. gracilis and A. a. unnamed. Two subspecies of Arctophoca philipii are valid: A.p. philippii and A. p. townsendi, although small sample sizes and a small number of genes sampled are concerns. Two subspecies of Eumetopias are supported largely on genetic data, which is also the case for recognition of California, Japanese and Galapagos sea lions as separate species. Brunner (2004) advised use of Otaria byronia (Blainville, 1820) over O. flavescens (Shaw, 1800). Lindqvist et al. (2009) concluded that a purported third subspecies of walrus Odobenus rosmarus laptevi is not valid. Recent genetic analyses indicate that Phoca vitulina concolor is paraphyletic and this along with lack of morphological differentiation suggests that the western Atlantic subspecies is not valid; P. v. vitulina is considered here to apply to all Atlantic harbor seals. Within the North Pacific, until the subspecies limits of various populations are assessed only a single subspecies is recognized, Phoca vitulina richardi. Placement of the ringed seal, Caspian seal and Baikal seal has alternated between the genera Phoca and Pusa. We accept Rice's (1998) use of Pusa as the correct classification." The use of Lontra rather than Lutra for the marine otter follows Larivière (1998) in recognizing the otters of North and South America as a monophyletic taxon distinct from the otters of Eurasia.

In the mysticete cetaceans, recent genetic evidence strongly supports the recognition of three separate phylogenetic species of right whales (Rosenbaum et al., 2000; Gaines et al., 2005). In addition, the genus Eubalaena (rather than Balaena as in Rice, 1998) is retained for the right whales as recommended by the Scientific Committee of the International Whaling Commission (IWC, 2002). All Bryde's whales are provisionally considered to comprise a single species, Balaenoptera edeni, following the usage of the IWC (IWC 2002, 2008) and Kato and Perrin (2009). Some workers recognize B. edeni as including only the
small-form coastal Bryde's whales of the western Pacific and Indian Oceans, using *B. brydei* for the globally distributed larger more oceanic form (Sasaki *et al*., 2006). Kato and Perrin (2009) consider these more likely to be distinct at the subspecific level, and they are included here as such. *Balaenoptera omurai* is a newly described species (Wada *et al*., 2003). It was previously confounded with the Bryde's whale and has been confirmed as having a separate and ancient lineage (Sasaki *et al*., 2006). Clarke (2004) proposed recognition of a pygmy form of the fin whale as a subspecies, based on distribution, size and coloration. He resurrected the synonym *patachonica* Burmeister, 1865 to apply to the subspecies: *B. physalus patachonica*.

In the odontocetes, *Mesoplodon traversii* (spade-toothed whale) has been recognized as the senior synonym for *M. bahamondi* (Bahamonde's beaked whale) (van Helden *et al*., 2002). *Mesoplodon perrini* is a newly described species (Dalebout *et al*., 2002). The species *Inia boliviensis* d'Orbigny 1834 of the Cochabamba, Santa Cruz, Beni and Pando areas of the Bolivian Amazon basin is included in accordance with prevailing usage (Ruiz-García and Shostell, 2010). While the two *Inia* species overlap in all morphological characters (da Silva, 1994; Ruiz-García *et al*., 2006), they have been reproductively isolated from each other by a long series of rapids for an estimated 3.1 million years (Hollatz *et al*., 2011), and two independent lines of genetic evidence, from mtDNA and nuclear introns (Banguera-Hinestroza *et al*., 2008; Ruiz-García *et al*., 2008) suggest that they are on separate evolutionary trajectories and deserve recognition as phylogenetic species. Robineau *et al*. (2007) described the subspecies *Cephalorhynchus commersonii kerguelenensis*, and A. Baker *et al.* described *C. hectori maui*. We follow the IWC in listing only two species of *Delphinus* (*Delphinus tropicalis* and *Tursiops truncatus*, respectively), comparisons of external morphology and non-metrical characters were made only with *T. truncatus*, to the exclusion of *T. aduncus*.

1. the specimens were compared morphologically only with bottlenose dolphins from Australia,
2. despite the small sample sizes, the series overlapped in all metric characters and separation was possible only with multivariate analysis (which commonly resolves geographical forms within a species, e.g see Perrin *et al.* (1999) and Perrin *et al.* (2011) for *Stenella longirostris* and *Tursiops truncatus*, respectively),
3. support for important nodes in molecular trees suggesting phylogenetic separation was low.

A rigorous re-evaluation of the relevant data and arguments is needed. Recognition of the Black Sea bottlenose dolphin is now well-supported by genetic data (Viaud-Martinez *et al*., 2008), as is the Black Sea common dolphin (Natoli *et al*., 2008). *Delphinus tropicalis* is now considered a subspecies of *D. capensis* (Jefferson and Van Waerebeek, 2002). *Lagenorhynchus* is widely considered an unnatural (polyphyletic) taxon containing morphologically convergent species (Cipriano 1997, LeDuc *et al*., 1999, McGowen 2011), and application of the genera *Sagmatias* (for *L. obscurus, obliquidens, australis* and *cruciger*) and *Leucopleurus* (for *L. acutus*) have been suggested as appropriate and used by some workers. However, there is continuing disagreement about whether *australis* and *cruciger* should be included in *Cephalorhynchus* (which would necessitate a new genus for *obliquidens* and *obscurs*, as *australis* is the type species for the genus *Sagmatias* and about whether *albirostris* and *acutus* are sister species (which would obviate the need for *Leucopleurus*). We therefore provisionally retain all the species in *Lagenorhynchus*. Harlin-Cognato (2010) recognized *L. o. posidonia* (Peru/Chile). She also recognized *L. o. superciliosus* (Lesson and Garnot, 1826) for the New Zealand subspecies, but the species identity of the figure in Lesson and Garnot is in question, and we retain use of "un-named New Zealand subspecies." Perrin *et al.* (1999) established the subspecies *Stenella longirostris roseiventris*. The Irrawaddy dolphin was recently split into *O. brevirostris* and *O. heinsohni*, the Australian snubfin dolphin (Beasley *et al*., 2005). Krahn et al. (2004) recognized two un-named species of killer whales, the resident and transient forms. Wang *et al.* (2008) and Jefferson and Wang (2011) established *Neophocaena asiaeorientalis* as a full species, with two subspecies. Viaud-Martinez *et al.* (2007) concluded based on
morphological and genetic evidence that *Phocoena phocoena relicta* is a valid subspecies.

In the Sirenia, subspecies of the dugong are not currently recognized (Domning, 1996). However, no in-depth study has been undertaken to address the issue of subspecies.

For review of species concepts, see Reeves *et al.* (2004), Orr and Coyne (2004), de Queiroz (2007) and Perrin (2009). Perrin *et al.* (2009) reviewed the cetacean subspecies, but that review has not yet appeared in the peer-reviewed literature and is therefore not considered here; the subspecies (including for the Carnivora and Sirenia) are as recognized by Rice (1998), with the above-noted changes.

Corrections and comments should be directed to the Ad Hoc Committee on Taxonomy ([william.perrin@noaa.gov](mailto:william.perrin@noaa.gov)). Divergent opinions by members of the Committee on particular taxonomic questions are given in the footnotes.

**Order Carnivora**

**Family Otariidae (eared seals and sea lions; 14 species, of which 1 extinct)**

*Arctocephalus pusillus* (Schreber, 1775) Cape fur seal

*A. p. pusillus* (Schreber, 1775). Cape fur seal

*A. p. doriferus* Wood Jones, 1925. Australian fur seal

*Arctophoca gazella* (Peters, 1876). Antarctic fur seal

*Arctophoca tropicalis* (Gray, 1872). Subantarctic fur seal

*Arctophoca australis* (Zimmermann, 1783)

*A. a. australis* (Zimmermann, 1783). Falkland Islands fur seal

*A. a. forsteri* (Lesson, 1828). New Zealand fur seal

*A. a. gracilis* (Nehring, 1887). South American fur seal

*A. a. un-named subspecies. Peruvian fur seal

*Arctophoca galapagoensis* Heller, 1904. Galapagos fur seal

*Arctophoca philippii* (Peters, 1866)

*A. p. philippii* Peters, 1866. Juan Fernandez fur seal

*A. p. townsendi* (Merriam, 1897). Guadalupe fur seal

*Callorhinus ursinus* (Linnaeus, 1758). Northern fur seal
Zalophus japonicus (Peters, 1866). Japanese sea lion (extinct)

Zalophus californianus (Lesson, 1828). California sea lion

Zalophus wollebaeki Sivertsen, 1953. Galapagos sea lion

Eumetopias jubatus (Schreber, 1776). Steller sea lion, northern sea lion

E. j. jubatus (Schreber, 1776). Western Steller sea lion

E. j. monteriensis (Gray, 1859). Loughlin's northern sea lion

Neophoca cinerea (Peron, 1816). Australian sea lion

Phocarctos hookeri (Gray, 1844). New Zealand sea lion

Otaria byronia (Blainville, 1820). South American sea lion

**Family Odobenidae**

Odobenus rosmarus (Linnaeus, 1758). Walrus

O. r. rosmarus (Linnaeus, 1758). Atlantic walrus

O. r. divergens (Illiger, 1815). Pacific walrus

**Family Phocidae** *(earless seals; 19 species, of which 1 extinct)*

Erignathus barbatus (Erxleben, 1777). Bearded seal

E. b. barbatus (Erxleben, 1777). Atlantic bearded seal

E. b. nauticus (Pallas, 1881). Pacific bearded seal

Phoca vitulina (Linnaeus, 1758). Harbor seal, common seal

P. v. vitulina (Linnaeus, 1758). Atlantic harbor seal

P. v. mellonae (Doutt, 1942). Ungava harbor seal

P. v. richardii (Gray, 1864). Pacific harbor seal

Phoca largha (Pallas, 1811. Spotted seal, largha seal

Pusa hispida (Schreber, 1775). Ringed seal

P. h. hispida (Schreber, 1775). Arctic Ringed seal
P. h. botnica (Gmelin, 1788). Baltic ringed seal

P. h. ochotensis (Nordquist, 1889) Okhotsk ringed seal

P. h. ladogensis (Nordquist, 1889). Lake Ladoga seal

P. h. saimensis (Nordquist, 1889). Saima seal

Pusa caspica (Gmelin, 1788). Caspian seal

Pusa sibirica (Gmelin, 1788). Baikal seal

Halichoerus grypus (Fabricius, 1791). Gray seal

H. g. grypus (Fabricius, 1791). Western Atlantic gray seal

H. g. macrorhynchus Hornschuh and Schilling, 1851. Eastern Atlantic gray seal

Histriophoca fasciata (Zimmerman, 1783). Ribbon seal

Pagophilus groenlandicus (Erxleben, 1777). Harp seal

Cystophora cristata (Erxleben, 1777). Hooded seal

Monachus tropicalis (Gray, 1850). Caribbean monk seal (extinct)

Monachus monachus (Hermann, 1779). Mediterranean monk seal

Monachus schauinslandi Matschie, 1905. Hawaiian monk seal

Mirounga leonina (Linnaeus, 1758). Southern elephant seal

Mirounga angustirostris (Gill, 1866). Northern elephant seal

Leptonychotes weddellii (Lesson, 1826). Weddell seal

Ommatophoca rossii Gray, 1844. Ross seal

Lobodon carcinophaga (Hombron and Jacquinot, 1842). Crabeater seal

Hydrurga leptonyx (Blainville, 1820). Leopard seal

**Family Ursidae**

Ursus maritimus Phipps, 1774. Polar bear

U. m. maritimus Phipps, 1774. Atlantic polar bear

U. m. marinus Pallas, 1776. Pacific polar bear
Family Mustelidae

*Enhydra lutris* (Linnaeus, 1758). Sea otter

*E. l. lutris* (Linnaeus, 1758). Western sea otter


*E. l. nereis* (Merriam, 1904). Southern sea otter

*Lontra felina* (Molina, 1782). Chungungo, marine otter

*Neovison macrodon* (Prentis, 1903). Sea mink (extinct)

Order Cetartiodactyla (artiodactyls and cetaceans)

*CETACEA* (cetaceans; 88 species, of which 1 extinct)

MYSTICETI (baleen whales, 14 species)

Family Balaenidae (right whales, 4 species)

*Eubalaena glacialis* (Müller, 1776). North Atlantic right whale

*Eubalaena japonica* (Lacépède, 1818). North Pacific right whale

*Eubalaena australis* (Desmoulins, 1822). Southern right whale

*Balaena mysticetus* Linnaeus, 1758. Bowhead whale, Greenland whale

Family Neobalaenidae

*Caperea marginata* (Gray, 1846). Pygmy right whale

Family Eschrichtiidae

*Eschrichtius robustus* (Lilljeborg, 1861). Gray whale

Family Balaenopteridae (rorquals, 8 species)

*Megaptera novaeangliae* (Borowski, 1781). Humpback whale

*Balaenoptera acutorostrata* Lacépède, 1804. Common minke whale
**B. a. acutorostrata** Lacépède, 1804. North Atlantic minke whale

**B. a. scammoni** Deméré, 1986. North Pacific minke whale

**B. a. un-named subsp.** Dwarf minke whale

*Balaenoptera bonaerensis* Burmeister, 1867. Antarctic minke whale

*Balaenoptera edeni* Anderson, 1879. Bryde's whale

**B. e. edeni** Anderson, 1879

**B. e. brydei** Olsen, 1913

*Balaenoptera omurai* Wada, Oishi and Yamada, 2003. Omura's whale

*Balaenoptera borealis* Lesson, 1828. Sei whale

**B. b. borealis** Lesson, 1828. Northern sei whale

**B. b. schlegellii** (Flower, 1865). Southern sei whale

*Balaenoptera physalus* (Linnaeus, 1758). Fin whale

**B. p. physalus** (Linnaeus, 1758). Northern fin whale

**B. p. quoyi** Fischer, 1829). Southern fin whale

**B. p. patachonica** Burmeister, 1865. Pygmy fin whale

*Balaenoptera musculus* (Linnaeus, 1758). Blue whale

**B. m. musculus** (Linnaeus, 1758). Northern blue whale

**B. m. intermedia** Burmeister, 1871. Southern blue whale

**B. m. indica** Blyth, 1859. Northern Indian Ocean blue whale

**B. m. brevicauda** Ichihara, 1966. Pygmy blue whale

**ODONTOCETI** (toothed whales, dolphins and porpoises; 74 species, of which 1 extinct)

**Family Physeteridae**

*Physeter macrocephalus* Linnaeus, 1758. Sperm whale, cachalot
**Family Kogiidae**

*Kogia breviceps* (Blainville, 1838). Pygmy sperm whale

*Kogia sima* (Owen, 1866). Dwarf sperm whale

**Family Ziphiidae (beaked whales, 21 species)**

*Ziphias cavirostris* G. Cuvier, 1823. Cuvier's beaked whale, goose-beaked whale

*Berardius arnuxii* Duvernoy, 1851. Arnoux's beaked whale

*Berardius bairdii* Stejneger, 1883. Baird's beaked whale

*Tasmacetus shepherdi* Oliver, 1937. Shepherd's beaked whale, Tasman beaked whale

*Indopacetus pacificus* (Longman, 1926). Longman's beaked whale, tropical bottlenose whale,

*Hyperoodon ampullatus* (Forster, 1770). Northern bottlenose whale

*Hyperoodon planifrons* Flower, 1882. Southern bottlenose whale

*Mesoplodon hectori* (Gray, 1871). Hector's beaked whale

*Mesoplodon mirus* True, 1913. True's beaked whale

*Mesoplodon europaeus* (Gervais, 1855). Gervais' beaked whale

*Mesoplodon bidens* (Sowerby, 1804). Sowerby's beaked whale

*Mesoplodon grayi von Haast*, 1876. Gray's beaked whale


*Mesoplodon bowdoini* Andrews, 1908. Andrew's beaked whale

*Mesoplodon traversii* (Gray, 1874). Spade-toothed whale

*Mesoplodon carlhubbsi* Moore, 1963. Hubbs' beaked whale


*Mesoplodon stejnegeri* True, 1885. Stejneger's beaked whale

*Mesoplodon layardii* (Gray, 1865). Strap-toothed beaked whale
*Mesoplodon densirostris* (Blainville, 1817). Blainville's beaked whale

**Family Platanistidae**

*Platanista gangetica* (Lebeck, 1801). South Asian river dolphin, Indian river dolphin

*P. g. gangetica* (Lebeck, 1801). Susu, Ganges river dolphin

*P. g. minor* Owen, 1853. Bhulan, Indus river dolphin

**Family Iniidae**

*Inia geoffrensis* (Blainville, 1817). Amazon river dolphin

*I. g. geoffrensis*(Blainville, 1817). Boto

*I. g. humboldtiana* Pilleri and Gehr, 1977. Orinoco bufeo

*Inia boliviensis* d'Orbigny, 1834. Bolivian bufeo

**Family Lipotidae**

*Lipotes vexillifer* (Miller, 1918). Baiji, Yangtze river dolphin - extinct

**Family Pontoporiidae**

*Pontoporia blainvillei* (Gervais and d'Orbigny, 1844). Franciscana, La Plata dolphin

**Family Monodontidae**

*Monodon monoceros* Linnaeus, 1758. Narwhal

*Delphinapterus leucas* (Pallas, 1776). Beluga, white whale

**Family Delphinidae** (36 species)

*Cephalorhynchus commersonii* (Lacépède, 1804). Commerson's dolphin

*C. c. commersonii* (Lacépède, 1804). Commerson's dolphin


*Cephalorhynchus eutropia* (Gray, 1846). Chilean dolphin

*Cephalorhynchus heavisidii* (Gray, 1828). Heaviside's dolphin, Haviside's dolphin
Cephalorhynchus hectori (Van Beneden, 1881). Hector's dolphin, New Zealand dolphin

C. h. hectori (Van Beneden, 1881). South Island Hector's dolphin


Steno bredanensis (G. Cuvier in Lesson, 1828). Rough-toothed dolphin

Sousa teuszii (Kükenthal, 1892). Atlantic humpback dolphin

Sousa chinensis (Osbeck, 1765). Indo-Pacific humpback dolphin

Sotalia fluviatilis (Gervais and Deville in: Gervais, 1853). Tucuxi

Sotalia guianensis (Van Bénéden, 1864). Guiana dolphin, costero

Tursiops truncatus (Montagu, 1821). Common bottlenose dolphin

T. t. truncatus (Montagu, 1821). Common bottlenose dolphin

T. t. ponticus Barabash-Nikiforov, 1940. Black Sea bottlenose dolphin

Tursiops aduncus (Ehrenberg, 1833). Indo-Pacific bottlenose dolphin

Stenella attenuata (Gray, 1846). Pantropical spotted dolphin

S. a. attenuata (Gray, 1846). Offshore pantropical spotted dolphin

S. a. graffmani (Lönnberg, 1934). Coastal pantropical spotted dolphin

Stenella frontalis (G. Cuvier, 1829). Atlantic spotted dolphin

Stenella longirostris (Gray, 1828). Spinner dolphin

S. l. longirostris (Gray, 1828). Gray's spinner dolphin

S. l. orientalis Perrin, 1990. Eastern spinner dolphin

S. l. centroamericana Perrin, 1990. Central American spinner dolphin

S. l. roseiventris (Wagner, 1846). Dwarf spinner dolphin

Stenella clymene (Gray, 1850). Clymene dolphin

Stenella coeruleoalba (Meyen, 1833). Striped dolphin

Delphinus delphis Linnaeus, 1758. Short-beaked common dolphin, saddleback dolphin

D. d. delphis Linnaeus, 1758. Short-beaked common dolphin
**Delphinus capensis** Gray, 1828. Long-beaked common dolphin

**D. d. ponticus** Barabash, 1935. Black Sea common dolphin

**D. c. capensis** Gray, 1828. Long-beaked common dolphin

**D. c. tropicalis** van Bree, 1971. Indo-Pacific common dolphin

**Lagenodelphis hosei** Fraser, 1956. Fraser's dolphin

**Lagenorhynchus albirostris** (Gray, 1846). White-beaked dolphin

**Lagenorhynchus acutus** (Gray, 1828). Atlantic white-sided dolphin

**Lagenorhynchus obliquidens** Gill, 1865. Pacific white-sided dolphin

**Lagenorhynchus obscurus** (Gray, 1828). Dusky dolphin

**L. o. obscurus** (Gray, 1828). African dusky dolphin

**L. o. fitzroyi** (Waterhouse, 1838). South American dusky dolphin

**L. o. posidonia** (Philippi, 1893). Peruvian/Chilean dusky dolphin

**L. o. un-named subsp.** New Zealand dusky dolphin

**Lagenorhynchus australis** (Peale, 1848). Peale's dolphin

**Lagenorhynchus cruciger** (Quoy and Gaimard, 1824). Hourglass dolphin

**Lissodelphis borealis** Peale, 1848. Northern right-whale dolphin

**Lissodelphis peronii** (Lacépède, 1804). Southern right-whale dolphin

**Grampus griseus** (G. Cuvier, 1812). Risso's dolphin, gray grampus

**Pepinocephala electra** (Gray, 1846). Melon-headed whale, Electra dolphin

**Feresa attenuata** Gray, 1874. Pygmy killer whale

**Pseudorca crassidens** (Owen, 1846). False killer whale

**Orcinus orca** (Linnaeus, 1758). Killer whale, orca

**O. o. un-named subsp.** Resident killer whale

**O. o. un-named subsp.** Transient killer whale

**Globicephala melas** (Traill, 1809). Long-finned pilot whale
G. m. melas (Traill, 1809). North Atlantic long-finned pilot whale

G. m. edwardii (A. Smith, 1834). Southern long-finned pilot whale

G. m. un-named subsp. North Pacific long-finned pilot whale

Globicephala macrorhynchus Gray, 1846. Short-finned pilot whale

Orcaella brevirostris (Owen in Gray, 1866). Irrawaddy dolphin, pesut

Orcaella heinsohni Beasley, Robertson and Arnold, 2005. Australian snubfin dolphin

Family Phocoenidae (porpoises, 7 species)

Neophocaena phocaenoides (G. Cuvier, 1829). Indo-Pacific finless porpoise

Neophocaena asiaeorientalis (Pilleri and Gihr, 1972). Narrow-ridged finless porpoise

N. a. asiaeorientalis (Pilleri and Gihr, 1972). Yangtze finless porpoise

N. a. sunameri Pilleri and Gihr, 1975. East Asian finless porpoise, sunameri

Phocoena phocoena (Linnaeus, 1758). Harbor porpoise, common porpoise

P. p. phocoena (Linnaeus, 1758). Atlantic harbor porpoise

P. p. vomerina (Gill, 1865). Eastern Pacific harbor porpoise

P. p. relicta Abel, 1905. Black Sea harbor porpoise

P. p. un-named subsp. Western Pacific harbor porpoise

Phocoena sinus Norris and McFarland, 1958. Vaquita, Gulf of California harbor porpoise

Phocoena spinipinnis Burmeister, 1865. Burmeister's porpoise

Phocoena dioptrica Lahille, 1912. Spectacled porpoise

Phocoenoides dalli (True, 1885). Dall's porpoise, Dall porpoise

P. d. dalli (True, 1885). Dalli-type Dall's porpoise

P. d. truei Andrews, 1911. Truei-type Dall's porpoise

ORDER SIRENIA (sirenians, 5 species – 1 extinct)
**Family Trichechidae**

*Trichechus manatus* Linnaeus, 1758. West Indian manatee

*T. m. manatus* Linnaeus, 1758. Antillean manatee

*T. m. latirostris* (Harlan, 1824). Florida manatee

*Trichechus senegalensis* Link, 1795. West African manatee

*Trichechus inunguis* (Natterer, 1883). Amazonian manatee

**Family Dugongidae**

*Dugong dugon* (Müller, 1776). Dugong

*Hydrodamalis gigas* (Zimmerman, 1780). Steller's sea cow - extinct

**Footnotes**

1Use of Order Cetartiodactyla is favored by most evolutionary mammalogists working with molecular data. Some others, including many marine mammalogists and paleontologists, favor retention of Order Cetacea in the interest of taxonomic stability.

2(from D. Rice) Baker et al. (2003) hold that there is no evidence that would support the classification of the right whales as more than a single biological species. [The three species are here recognized as phylogenetic species.]

**References**


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