Checklist of North American Mammals North of Mexico

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CHECKLIST OF NORTH AMERICAN MAMMALS
NORTH OF MEXICO

J. Knox Jones, Jr., Dilford C. Carter, and
Hugh H. Genoways

Since the publication of "Vernacular names of North American mammals north of Mexico" by Hall et al. (1957) and its subsequent revision (Hall, 1965), systematic and other studies have contributed materially to a better understanding of the nomenclature of North American mammals. For this reason, and because of the usefulness, principally to students, of checklists that record both scientific and vernacular names, an up-dated listing of New World mammalian species north of Mexico is timely. As in the previous lists, a specific vernacular name applies to all populations of that species.

The present checklist includes all species of North American mammals recognized as of the close of 1972 and is based on the relevant published literature. Insofar as practicable, we have avoided personal taxonomic judgements. By way of example, some recent studies reflected in the list include those of Mitchell (1968), who reduced the Odobenidae to subfamilial status under Otariidae, van Zyll de Jong (1972), who separated New World otters from those of the Old World under the generic name Lontra, and Lee et al. (1972), who elevated to specific status Peromyscus attwateri and P. comanche. On-going systematic studies will result in future additions and deletions to the list; this is particularly true for the Cetacea, where our provisional arrangement follows closely that proposed by Rice and Scheffer (1968).

Various species of non-native mammals have been introduced into North America over the years—both accidentally, as in the case of Old World murid rodents, or for some purpose, as in the case of ungulates imported as big game. In the present compilation, we have
listed nine non-native species (identified by an asterisk) that now occur in the wild state in sufficient numbers to justify inclusion. Other species, the blackbuck (*Antelope cervicapra*), axis deer (*Cervus axis*), and sika deer (*Cervus nippon*), for example, probably now occur in limited numbers outside confinement and no doubt some will be included in subsequent lists. The summary by de Vos et al. (1956) on introduced mammals is a useful reference.

We acknowledge with pleasure the comments of Robert J. Baker, Clyde Jones, Richard K. LaVal, and Robert L. Packard in preparation of this checklist.

ORDER MARSUPIALIA—Marsupials

**FAMILY Didelphidae**—New World Opossums

*Didelphis virginiana* . . . . . . Virginia Opossum

ORDER INSECTIVORA—Insectivores

**FAMILY Soricidae**—Shrews

*Sorex cinereus* . . . . . . Masked Shrew
*Sorex lyelli* . . . . . . Mt. Lyell Shrew
*Sorex preblei* . . . . . . Preble's Shrew
*Sorex pribilofensis* . . . . Pribilof Shrew
*Sorex jacksoni* . . . . St. Lawrence Island Shrew
*Sorex longirostris* . . . Southeastern Shrew
*Sorex vagrans* . . . . . Vagrant Shrew
*Sorex obscurus* . . . . Dusky Shrew
*Sorex pacificus* . . . . Pacific Shrew
*Sorex ornatus* . . . . Ornate Shrew
*Sorex tenellus* . . . . Inyo Shrew
*Sorex trigonostris* . . . Ashland Shrew
*Sorex nanus* . . . . . . Dwarf Shrew
*Sorex sinuosus* . . . . Suisun Shrew
*Sorex palustris* . . . . Water Shrew
*Sorex alaskanus* . . . . Glacier Bay Water Shrew
*Sorex bendirii* . . . . Pacific Water Shrew
*Sorex fumeus* . . . . . . Smoky Shrew
*Sorex arcticus* . . . . Arctic Shrew
*Sorex gassensis* . . . . Gaspé Shrew
*Sorex dispar* . . . . . . Long-tailed Shrew
*Sorex trowbridgii* . . . Trowbridge’s Shrew
*Sorex merriami* . . . . Merriam’s Shrew
*Microsorex hoyi* . . . . Pygmy Shrew
*Microsorex thompsoni* . . . Thompson’s Pygmy Shrew
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<td>Cryptotis parva</td>
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<td>Notiosorex crawfordii</td>
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<td><strong>Family Talpidae—Moles</strong></td>
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<td>Neurotrichus gibbsii</td>
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<tr>
<td>Condylura cristata</td>
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**Order Chiroptera—Bats**

**Family Mormoopidae—Mormoopid Bats**
- Mormoops megalophylla... Ghost-faced Bat

**Family Phyllostomidae—Phyllostomatid Bats**
- Macrotus waterhousii... Leaf-nosed Bat
- Choeronycteris mexicana... Long-tongued Bat
- Leptonycteris nivalis... Mexican Long-nosed Bat
- Leptonycteris sanborni... Sanborn’s Long-nosed Bat
- Diphylla ecaudata... Hairy-legged Vampire

**Family Vespertilionidae—Vespertilionid Bats**
- Myotis lucifugus... Little Brown Myotis
- Myotis yumanensis... Yuma Myotis
- Myotis australoriparius... Southeastern Myotis
- Myotis grisescens... Gray Myotis
- Myotis velifer... Cave Myotis
- Myotis keenii... Keen’s Myotis
- Myotis evotis... Long-eared Myotis
- Myotis auriculus... Southwestern Myotis
- Myotis thysanodes... Fringed Myotis
- Myotis sodalis... Indiana Myotis
- Myotis volans... Long-legged Myotis
- Myotis californicus... California Myotis
- Myotis leibii... Small-footed Myotis
- Lasionycteris noctivagans... Silver-haired Bat
- Pipistrellus hesperus... Western Pipistrelle
- Pipistrellus subflavus... Eastern Pipistrelle
- Eptesicus fuscus... Big Brown Bat
Lasiurus borealis .......... Red Bat
Lasiurus seminolus .......... Seminole Bat
Lasiurus cinereus .......... Hoary Bat
Lasiurus intermedius ....... Northern Yellow Bat
Lasiurus ega ................. Southern Yellow Bat
Nycticeius humeralis ....... Evening Bat
Euderma maculatum .......... Spotted Bat
Plecotus townsendii ....... Townsend's Big-eared Bat
Plecotus rafinesquii ....... Rafinesque's Big-eared Bat
Plecotus phyllotis ......... Allen's Big-eared Bat
Antrozous pallidus .......... Pallid Bat

**Family Molossidae—Molossid Bats**

Tadarida brasiliensis ....... Brazilian Free-tailed Bat
Tadarida femorosacca ..... Pocketed Free-tailed Bat
Tadarida macrotis ......... Big Free-tailed Bat
Eumops perotis ............ Western Mastiff Bat
Eumops underwoodi ....... Underwood's Mastiff Bat
Eumops glaucinus .......... Wagner's Mastiff Bat

**Order Edentata—Edentates**

**Family Dasyopidae—Armadillos**

Dasypus novemcinctus ...... Nine-banded Armadillo

**Family Lagomorpha—Lagomorphs**

**Family Ochotonidae—Pikas**

Ochotona collaris ........ Collared Pika
Ochotona princeps ........ Pika

**Family Leporidae—Hares and Rabbits**

Sylvilagus idahoensis ....... Pygmy Rabbit
Sylvilagus bachmani ....... Brush Rabbit
Sylvilagus palustris ....... Marsh Rabbit
Sylvilagus floridanus ...... Eastern Cottontail
Sylvilagus transitionalis .... New England Cottontail
Sylvilagus nuttallii ...... Nuttall's Cottontail
Sylvilagus audubonii ....... Desert Cottontail
Sylvilagus aquaticus ...... Swamp Rabbit
Oryctolagus cuniculus* ...... European Rabbit
Lepus americanus .......... Snowshoe Hare
Lepus timidus .............. Northern Hare
Lepus arcticus ............ Arctic Hare
Lepus townsendii .......... White-tailed Jack Rabbit
**Lepus californicus** .......... Black-tailed Jack Rabbit
**Lepus callotis** .......... White-sided Jack Rabbit
**Lepus alleni** .......... Antelope Jack Rabbit
**Lepus europaeus** .......... European Hare

**ORDER RODENTIA—Rodents**

**FAMILY APLODONTIDAE—Mountain Beaver**

**Aplodontia rufa** .......... Mountain Beaver

**FAMILY SCIURIDAE—Squirrels**

**Tamias striatus** .......... Eastern Chipmunk
**Eutamias alpinus** .......... Alpine Chipmunk
**Eutamias minimus** .......... Least Chipmunk
**Eutamias amoenus** .......... Yellow-pine Chipmunk
**Eutamias townsendii** .......... Townsend’s Chipmunk
**Eutamias sonomae** .......... Sonoma Chipmunk
**Eutamias merriami** .......... Merriam’s Chipmunk
**Eutamias dorsalis** .......... Cliff Chipmunk
**Eutamias quadriovittatus** .......... Colorado Chipmunk
**Eutamias ruficaudus** .......... Red-tailed Chipmunk
**Eutamias cinereicollis** .......... Gray-collared Chipmunk
**Eutamias canipes** .......... Gray-footed Chipmunk
**Eutamias quadrimaculatus** .......... Long-eared Chipmunk
**Eutamias speciosus** .......... Lodgepole Chipmunk
**Eutamias panamintinus** .......... Panamint Chipmunk
**Eutamias umbrinus** .......... Uinta Chipmunk
**Eutamias palmeri** .......... Palmer’s Chipmunk
**Marmota monax** .......... Woodchuck
**Marmota flaviventris** .......... Yellow-bellied Marmot
**Marmota broweri** .......... Alaska Marmot
**Marmota caligata** .......... Hoary Marmot
**Marmota olympus** .......... Olympic Marmot
**Marmota vancouverensis** .......... Vancouver Marmot
**Ammospermophilus harrisi** .......... Harris’ Antelope Squirrel
**Ammospermophilus leucurus** .......... White-tailed Antelope Squirrel
**Ammospermophilus interpres** .......... Texas Antelope Squirrel
**Ammospermophilus nelsoni** .......... Nelson’s Antelope Squirrel
**Spermophilus townsendii** .......... Townsend’s Ground Squirrel
**Spermophilus washingtoni** .......... Washington Ground Squirrel
**Spermophilus brunneus** .......... Idaho Ground Squirrel
Spermophilus richardsonii . . . Richardson's Ground Squirrel
Spermophilus armatus . . . . Uinta Ground Squirrel
Spermophilus beldingi . . . . . Belding's Ground Squirrel
Spermophilus columbianus . . Columbian Ground Squirrel
Spermophilus parryii . . . . . Arctic Ground Squirrel
Spermophilus tridecemlineatus . Thirteen-lined Ground Squirrel
Spermophilus mexicanus . . . Mexican Ground Squirrel
Spermophilus spilosoma . . . Spotted Ground Squirrel
Spermophilus franklinii . . . Franklin's Ground Squirrel
Spermophilus variegatus . . . Rock Squirrel
Spermophilus beecheyi . . . . California Ground Squirrel
Spermophilus mohavensis . . Mohave Ground Squirrel
Spermophilus tereticaudus . Round-tailed Ground Squirrel
Spermophilus lateralis . . . . Cascade Golden-mantled Ground Squirrel
Spermophilus saturatus . . . . Cascade Golden-mantled Ground Squirrel

Cynomys ludovicianus . . . Black-tailed Prairie Dog
Cynomys leucurus . . . . . . White-tailed Prairie Dog
Cynomys parvidens . . . . . Utah Prairie Dog
Cynomys gunnisoni . . . . . . Gunnison's Prairie Dog
Sciurus carolinensis . . . . . . Gray Squirrel
Sciurus griseus . . . . . . . . . Western Gray Squirrel
Sciurus aberti . . . . . . . . . Abert's Squirrel
Sciurus kaibabensis . . . . . Kaibab Squirrel
Sciurus niger . . . . . . . . . Fox Squirrel
Sciurus nayaritensis . . . . Nayarit Squirrel
Sciurus arizonensis . . . . . Arizona Gray Squirrel
Tamiasciurus hudsonicus . . . Red Squirrel
Tamiasciurus douglasii . . . Douglas's Squirrel
Glaucomys volans . . . . . . . Southern Flying Squirrel
Glaucomys sabrinus . . . . . . Northern Flying Squirrel

Family Geomyidae—Pocket Gophers
Thomomys umbrinus . . . . . . Southern Pocket Gopher
Thomomys bottae . . . . . . Botta's Pocket Gopher
Thomomys townsendii . . . . . Townsend's Pocket Gopher
Thomomys talpoides . . . . . Northern Pocket Gopher
Thomomys mazama . . . . . Western Pocket Gopher
Thomomys idahoensis . . . . Idaho Pocket Gopher
Thomomys monticola . . . . . Mountain Pocket Gopher
Thomomys bulbivorus . . . . Camas Pocket Gopher
Geomyos bursarius . . . . . Plains Pocket Gopher
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<td><em>Geomys arenarius</em></td>
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<td><em>Geomys personatus</em></td>
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<td><em>Geomys colonus</em></td>
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<td><em>Geomys fontanelus</em></td>
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<td><em>Geomys cumberlandius</em></td>
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<tr>
<td><em>Pappogeomys castanops</em></td>
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**Family Heteromyidae—Heteromyids**

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<td><em>Perognathus apache</em></td>
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<td><em>Dipodomys microps</em></td>
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<td>Big-eared Kangaroo Rat</td>
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<td>Heather Vole</td>
</tr>
<tr>
<td>Phenacomys albipes</td>
<td>White-footed Vole</td>
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<tr>
<td>Phenacomys silvicola</td>
<td>Dusky Tree Vole</td>
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<tr>
<td>Phenacomys longicaudus</td>
<td>Red Tree Vole</td>
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<tr>
<td>Microtus pennsylvanicus</td>
<td>Meadow Vole</td>
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<tr>
<td>Microtus montanus</td>
<td>Montane Vole</td>
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<tr>
<td>Microtus californicus</td>
<td>California Vole</td>
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<tr>
<td>Microtus townsendii</td>
<td>Townsend's Vole</td>
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<tr>
<td>Microtus oeconomus</td>
<td>Tundra Vole</td>
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<tr>
<td>Microtus longicaudus</td>
<td>Long-tailed Vole</td>
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<tr>
<td>Microtus coronarius</td>
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<tr>
<td>Microtus mexicanus</td>
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<tr>
<td>Microtus ochrotorhinus</td>
<td>Rock Vole</td>
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<tr>
<td>Microtus xanthognathus</td>
<td>Yellow-cheeked Vole</td>
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<tr>
<td>Microtus oregoni</td>
<td>Creeping Vole</td>
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<td>Microtus gregalis</td>
<td>Singing Vole</td>
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<td>Microtus abbraviatus</td>
<td>Insular Vole</td>
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<td>Microtus ochrogaster</td>
<td>Prairie Vole</td>
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<td>Microtus ludovicianus</td>
<td>Louisiana Vole</td>
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<tr>
<td>Microtus pinetorum</td>
<td>woodland Vole</td>
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<tr>
<td>Arvicola richardsoni</td>
<td>Water Vole</td>
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<tr>
<td>Lagurus curtatus</td>
<td>Sagebrush Vole</td>
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<tr>
<td>Neofiber aleni</td>
<td>Round-tailed Muskrat</td>
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<tr>
<td>Ondatra zibethicus</td>
<td>Muskrat</td>
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<tr>
<td>Lemmus sibiricus</td>
<td>Brown Lemming</td>
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<tr>
<td>Lemmus nigripes</td>
<td>Black-footed Lemming</td>
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<tr>
<td>Synaptomys cooperi</td>
<td>Southern Bog Lemming</td>
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<tr>
<td>Synaptomys borealis</td>
<td>Northern Bog Lemming</td>
</tr>
<tr>
<td>Dicrostonyx torquatus</td>
<td>Collared Lemming</td>
</tr>
<tr>
<td>Dicrostonyx hudsonius</td>
<td>Labrador Collared Lemming</td>
</tr>
</tbody>
</table>
FAMILY MURIDAE—Old World Rats and Mice
  Rattus rattus* ............. Black Rat
  Rattus norvegicus* .......... Norway Rat
  Mus musculus* ............. House Mouse

FAMILY ZAPIDAE—Jumping Mice
  Zapus hudsonius ............. Meadow Jumping Mouse
  Zapus princeps ............. Western Jumping Mouse
  Zapus trinotatus ............ Pacific Jumping Mouse
  Napaeozapus insignis ......... Woodland Jumping Mouse

FAMILY ERETHIZONTIDAE—New World Porcupines
  Erethizon dorsatum ........... Porcupine

FAMILY CAPROMYIDAE—Capromyids
  Myocastor coypus* ............. Nutria

ORDER CETACEA—Cetaceans

FAMILY ZIPHIIDAE—Beaked Whales
  Berardius bairdii ............. Baird's Bottle-nosed Whale
  Mesoplodon bidens ............ North Atlantic Beaked Whale
  Mesoplodon densirostris .... Tropical Beaked Whale
  Mesoplodon europaeus ........ Gervais' Beaked Whale
  Mesoplodon mirus ............. True's Beaked Whale
  Mesoplodon stejnegeri ....... North Pacific Beaked Whale
  Mesoplodon carlhubbsi ....... Moore's Beaked Whale
  Mesoplodon ginkgodensis ...... Japanese Beaked Whale
  Ziphius cavirostris .......... Goose-beaked Whale
  Hyperoodon ampullatus ....... Bottle-nosed Whale

FAMILY PHYSETERIDAE—Sperm Whale
  Physeter catodon ............. Sperm Whale

FAMILY KOGIIDAE—Pygmy Sperm Whales
  Kogia breviceps ............. Pygmy Sperm Whale
  Kogia simus ................. Dwarf Sperm Whale

FAMILY MONODONTIDAE—Monodontids
  Delphinapterus leucas ......... White Whale or Beluga
  Monodon monoceros ............ Narwhal

FAMILY DELPHINIDAE—Delphinids
  Stenella dubia ............... Spotted Porpoise
  Stenella longirostris ....... Long-beaked Porpoise
  Stenella caerulealba .......... Striped Porpoise
  Steno bredanensis ........... Rough-toothed Porpoise
  Delphinus delphis ............. Common Dolphin
JONES ET AL.—NORTH AMERICAN MAMMALS

Tursiops truncatus .......... Bottle-nosed Dolphin
Tursiops gillii .............. Gill's Bottle-nosed Dolphin
Lissodelphis borealis ...... Northern Right-whale Dolphin
Lagenorhynchus albirostris . White-beaked Dolphin
Lagenorhynchus acutus ...... Atlantic White-sided Dolphin
Lagenorhynchus obliquidens . Pacific White-sided Dolphin
Orcinusorca ................ Killer Whale
Grampusgriseus ............ Grampus or Risso’s Dolphin
Pseudorca crassidens ...... False Killer Whale
Globicephala melaena ...... Common Pilot Whale
Globicephala macrorhynchus, Short-finned Pilot Whale
Phocoenaphocoena .......... Harbor Porpoise
Phocoenoidesdalli .......... Dall’s Porpoise

FAMILY ESCHRICHTIDAE—Gray Whale
Eschrichtius robustus ...... Gray Whale

FAMILY BALAENOPTERIDAE—Balaenopterid Whales
Balaenoptera physalus ...... Fin Whale
Balaenoptera borealis ...... Sei Whale or Rorqual
Balaenoptera acutorostrata . Little Piked Whale
Balaenoptera musculus ...... Blue or Sulphur-bottomed Whale
Megapteranovaengliae ...... Hump-backed Whale

FAMILY BALAENIDAE—Baleen Whales
Balaenaglacialis ........... Right Whale
Balaenamysticetus .......... Bowhead Whale

ORDER CARNIVORA—Carnivores

FAMILY CANIDAE—Canids
Canislatrans ............... Coyote
Canislupus ................. Gray Wolf
Canisrufus ................. Red Wolf
Alopex lagopus ............ Arctic Fox
Vulpesvulpes .............. Red Fox
Vulpes macrotis ........... Kit Fox
Vulpesvelox ............... Swift Fox
Urocyoncinereaoargenteus . Gray Fox
Urocyon littoralis .......... Island Gray Fox

FAMILY URSIDAE—Bears
Ursus americanus .......... Black Bear
Ursus arctos ............... Grizzly Bear and relatives
Ursus maritimus ........... Polar Bear
**Family Procyonidae—Procyonids**
- *Bassariscus astutus* ........... Ringtail
- *Procyon lotor* ................. Raccoon
- *Nasua nasua* ................. Coati

**Family Mustelidae—Mustelids**
- *Martes americana* ........... Marten
- *Martes pennanti* ............ Fisher
- *Mustela erminea* ............ Ermine
- *Mustela nivalis* .......... Weasel
- *Mustela frenata* .......... Long-tailed Weasel
- *Mustela nigripes* .......... Black-footed Ferret
- *Mustela vison* .......... Mink
- *Gulo gulo* .......... Wolverine
- *Taxidea taxus* .......... Badger
- *Spilogale putorius* ....... Eastern Spotted Skunk
- *Spilogale graciosis* ...... Western Spotted Skunk
- *Mephitis mephitis* ...... Striped Skunk
- *Mephitis macroura* ...... Hooded Skunk
- *Conopatus mesoleucus* .... Hog-nosed Skunk
- *Conopatus leuconotus* .... Eastern Hog-nosed Skunk
- *Lontra canadensis* ...... River Otter
- *Enhydra lutris* .......... Sea Otter

**Family Felidae—Cats**
- *Felis onca* .............. Jaguar
- *Felis concolor* .......... Mountain Lion
- *Felis pardalis* .......... Ocelot
- *Felis wiedii* .......... Margay
- *Felis yagouaroundi* ....... Jaguarundi
- *Lynx lynx* .......... Lynx
- *Lynx rufus* .......... Bobcat

**Order Pinnipedia—Pinnipeds**

**Family Otariidae—Eared Seals**
- *Callorhinus ursinus* ...... Northern Fur Seal
- *Arctocephalus townsendi* .... Guadalupe Fur Seal
- *Eumetopias jubatus* ...... Northern Sea Lion
- *Zalophus californianus* ...... California Sea Lion
- *Odobenus rosmarus* ...... Walrus

**Family Phocidae—Hair Seals**
- *Phoca vitulina* .......... Harbor Seal
- *Phoca fasciata* .......... Ribbon Seal
Phoca hispida .......... Ringed Seal
Phoca groenlandica ...... Harp Seal
Erignathus barbatus ...... Bearded Seal
Halichoerus grypus ...... Gray Seal
Monachus tropicalis ...... West Indian Seal
Crystophora cristata ...... Hooded Seal
Mirounga angustirostris ..... Northern Elephant Seal

ORDER SIRENIA—Sea Cows

FAMILY TRICHECHIDAE—Manatees
Trichechus manatus ...... Manatee

ORDER ARTIODACTYLA—Even-toed Ungulates

FAMILY SUIDAE—Pigs
Sus scrofa* ................. Wild Pig

FAMILY TAYASSUIDAE—Peccaries
Docotyles tajacu ............. Collared Peccary

FAMILY CERVIDAE—Cervids
Cervus elaphus .............. Wapiti or Elk
Cervus dama* ............... Fallow Deer
Odocoileus hemionus ...... Mule Deer
Odocoileus virginianus ..... White-tailed Deer
Alces alces ................. Moose
Rangifer tarandus .......... Caribou

FAMILY ANTILOCAPRIDAE—Pronghorn
Antilocapra americana ...... Pronghorn

FAMILY BOVIDAE—Bovids
Bison bison ................. Bison
Oreamnos americanus ...... Mountain Goat
Ovibos moschatus ........... Muskox
Ovis canadensis ............ Mountain Sheep
Ovis dalli .................. Dall's Sheep
Ammotragus lervia* ........ Barbary Sheep

LITERATURE CITED


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