

Deborah J. Berg Faunal Collection
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The Deborah J. Berg faunal collection at the University of Toronto Mississauga provides a comparative library of animal skeletons for teaching purposes and for aiding in the identification of unknown skeletal elements from archaeological sites and forensic contexts. Debbie Berg was the departmental technician for more than 25 years prior to her retirement in 2014, and was responsible for initiating and creating the majority of the collection. Since 2014, the collection has been managed and expanded by Dr. Trevor Orchard, the current departmental technician. The comparative collection is substantial, containing more than 1,500 individual skeletons or partial skeletons representing more than 460 species. The majority of the collection consists of species that are indigenous or introduced to Ontario, though there are also a variety of exotic species represented. This document provides a summary of the species in the collection, listed roughly in taxonomic order. Taxonomic names follow the Integrated Taxonomic Information System (<https://www.itis.gov/>); updated as of March 2023.

Phylum Mollusca (molluscs)

Class Gastropoda (slugs and snails)

Order Architaenioglossa (land and freshwater gilled snails)

Family Viviparidae (freshwater snails)

- *Campeloma decisum* (Brown Mystery Snail) – n=2

Order Stylommatophora (land snails and slugs)

Family Discidae (small air-breathing land snails)

- *Anguispira alternata* (Flamed Disc) – n=1

Family Helicidae (air-breathing land snails; "typical snails")

- *Cepaea nemoralis* (Nine Banded Snail/Grovesnail) – n=1

Family Polygyridae (air-breathing land snails)

- *Triodopsis albolabris* (Whitelip) – n=1

Class Bivalvia (bivalves – clams, oysters, mussels, scallops)

Order Veneroida (primarily saltwater clams, some freshwater)

Family Dreissenidae (small freshwater mussels)

- *Dreissena polymorpha* (Zebra Mussel) – n=1

Family Pharidae (saltwater razor shell clams)

- *Ensis directus* (Common Razor Clam/Jackknife Clam) – n=1

Family Pisiidae (pea clams and fingernail clams)

- Pisiidae sp. (pea clams and fingernail clams) – n=4

Family Veneridae (saltwater venus clams)

- *Mercenaria mercenaria* (Northern Quahog) – n=3

Phylum Mollusca (molluscs)

Class Bivalvia (bivalves – clams, oysters, mussels, scallops)

Order Unionoida (freshwater mussels)

Family Unionidae (large freshwater mussels)

- *Alasmidonta marginata* (Ridged Wedgemussel/Elktoe) – n=5
- *Alasmidonta viridis* (Brook Wedgemussel/Slippershell) – n=1
- *Amblema plicata* (Three-Ridge) – n=3
- *Anodontoides ferussacianus* (Cylindrical Papershell) – n=2
- *Cyclonaias nodulata* (Wartyback) – n=1
- *Cyclonaias pustulosa* (Pimpleback) – n=6
- *Cyclonaias tuberculata* (Purple Wartyback) – n=4
- *Elliptio complanata* (Eastern Elliptio) – n=2
- *Elliptio dilatata* (Spike or Lady-Finger) – n=5
- *Fusconaia ebena* (Ebony shell) – n=1
- *Fusconaia flava* (Pig-Toe) – n=5
- *Lampsilis radiata* (Eastern Lampshell) – n=1
- *Lampsilis siliquoidea* (Fatmucket) – n=7
- *Lampsilis cardium* (Pocketbook) – n=5
- *Lasmigona compressa* (Creek Heelsplitter) – n=2
- *Lasmigona complanata* (White Heelsplitter) – n=1
- *Lasmigona costata* (Fluted Shell) – n=4
- *Leptodea fragilis* (Fragile Papershell) – n=5
- *Ligumia nasuta* (Pointed Sandshell) – n=3
- *Ligumia recta* (Black Sandshell) – n=3
- *Obliquaria reflexa* (Three-Horn Wartyback) – n=6
- *Obovaria olivaria* (Olive Hickorynut) – n=1
- *Ortmanniana ligamentina* (Mucket) – n=4
- *Pleurobema sintoxia* (False Pigtoe / Round Pigtoe) – n=1
- *Pleurobema cordatum* (Ohio pigtoe) – n=1
- *Potamilus alatus* (Pink Heelsplitter) – n=5
- *Ptychobranhus fasciolaris* (Kidney Shell) – n=3
- *Pyganodon grandis* (Common Floater) – n=7
- *Pyganodon cataracta* (Eastern Floater) – n=1
- *Quadrula quadrula* (Maple Leaf) – n=3
- *Strophitus undulatus* (Creeper) – n=2
- *Theliderma metanevra* (Monkeyface) – n=1
- *Tritogonia verrucosa* (Buckhorn or Pistolgrip) – n=1
- *Truncilla donaciformis* (Fawnsfoot) – n=3
- *Truncilla truncata* (Deertoe) – n=5
- *Utterbackia imbecillis* (Paper Pondshell) – n=2

Order Mytiloida (marine mussels; “true mussels”)

Family Mytilidae (small to large marine and brackish-water mussels)

- *Musculista senhousia* (Green Mussel) – n=1

Phylum Mollusca (Molluscs)

Class Bivalvia (bivalves – clams, oysters, mussels, scallops)

Order Ostreoida (oysters and scallops)

Family Ostreidae (true oysters)

- *Crassostrea virginica* (Eastern Oyster) – n=1

Class Scaphopoda (tusk shells or tooth shells)

Order Dentaliida (elephant's tusk shells)

Family Dentaliidae (relatively large tusk shells)

- *Dentalium* sp. (Tusk shell) – n=1

Phylum Arthropoda (arthropods – insects, spiders, scorpions, crabs, crayfish, lobsters, etc.)

Class Malacostraca (crabs, lobsters, crayfish, shrimp, etc.)

Order Decapoda (crabs, lobsters, crayfish, shrimp)

Family Cambaridae (large freshwater crayfish)

- *Cambarus robustus* (Crayfish) – n=2

Phylum Chordata (animals with a notochord, including vertebrates)

Class Chondrichthyes (cartilaginous fishes)

Order Chimaeriformes (ghost sharks, rat fish, spookfish, rabbit fish)

Family Chimaeridae (short-nosed chimaeras)

- *Hydrolagus colliei* (Spotted Ratfish) – n=1

Class Chondrostei (primitive ray-finned bony fishes)

Order Acipenseriformes (sturgeons and paddlefishes)

Family Acipenseridae (sturgeons)

- *Acipenser fulvescens* (Lake Sturgeon) – n=1

Class Holostei (bowfin and gars)

Order Lepisosteiformes (gars)

Family Lepisosteidae (gars)

- *Lepisosteus osseus* (Longnose Gar) – n=1

Order Amiiformes (bowfin)

Family Amiidae (bowfin)

- *Amia calva* (Bowfin) – n=4

Class Teleostei (ray-finned fishes)

Order Anguilliformes (eels)

Family Anguillidae (freshwater eels)

- *Anguilla rostrate* (American Eel) – n=1

Order Clupeiformes (herring-like fishes)

Family Clupeidae (herrings, shads, sardines, etc.)

- *Alosa pseudoharengus* (Alewife) – n=2
- *Clupea pallasii* (Pacific Herring) – n=1
- *Dorosoma cepedianum* (Gizzard shad) – n=2

Phylum Chordata (animals with a notochord, including vertebrates)

Class Teleostei (ray-finned fishes)

Order Cypriniformes (carps, minnows, loaches, and relatives)

Family Catostomidae (suckers)

- *Carpiodes cyprinus* (Quillback) – n=3
- *Catostomus catostomus* (Longnose Sucker) – n=6
- *Catostomus commersonii* (Common/White sucker) – n=8
- *Moxostoma anisurum* (Silver Redhorse) – n=3
- *Moxostoma erythrurum* (Golden Redhorse) – n=2
- *Moxostoma macrolepidotum* (Shorthead Redhorse) – n=6

Family Cyprinidae (minnows and carps)

- *Carassius auratus* (Goldfish) – n=2
- *Cyprinus carpio* (Carp) – n=5
- *Hypophthalmichthys nobilis* (Bighead Carp) – n=3
- *Nocomis micropogon* (River Chub) – n=1
- *Notemigonus crysoleucas* (Golden Shiner) – n=1
- *Notropis atherinoides* (Emerald Shiner) – n=1
- *Semotilus atromaculatus* (Creek Chub) – n=2
- *Semotilus corporalis* (Fallfish) – n=1

Order Esociformes (pikes and mudminnows)

Family Esocidae (pikes)

- *Esox lucius* (Northern Pike) – n=7
- *Esox masquinongy* (Muskellunge) – n=2

Order Gadiformes (cod-like fishes)

Family Gadidae (cods)

- *Gadus morhua* (Atlantic Cod) – n=1
- *Lota lota* (Burbot) – n=2

Family Merlucciidae (hakes)

- *Merluccius bilinearis* (Silver Hake/Whiting) – n=3

Order Mugiliformes (mulletts)

Family Mugilidae (mulletts)

- *Mugil cephalus* (Striped Mullet) – n=1

Order Osmeriformes (smelts and allies)

Family Osmeridae (smelts)

- *Osmerus mordax* (Rainbow Smelt) – n=2

Order Osteoglossiformes (bony-tongued fishes)

Family Hiodontidae (mooneyes)

- *Hiodon tergisus* (Mooneye) – n=1

Order Perciformes (perch-like fishes)

Family Bramidae (pomfrets)

- *Brama brama* (Atlantic Pomfret) – n=1

Phylum Chordata (animals with a notochord, including vertebrates)

Class Teleostei (ray-finned fishes)

Order Perciformes (perch-like fishes)

Family Centrarchidae (sunfishes)

- *Ambloplites rupestris* (Rock Bass) – n=5
- *Lepomis gibbosus* (Pumpkinseed) – n=7
- *Lepomis macrochirus* (Bluegill) – n=3
- *Micropterus salmoides* (Largemouth Bass) – n=13
- *Micropterus dolomieu* (Smallmouth Bass) – n=3
- *Poxomis nigromaculatus* (Black Crappie) – n=4

Family Haemulidae (grunts)

- *Haemulon plumierii* (White Grunt) – n=1

Family Lutjanidae (snappers)

- *Lutjanus synagris* (Lane Snapper) – n=2

Family Malacanthidae (tilefishes)

- *Lopholatilus chamaeleonticeps* (Tilefish) – n=1

Family Moronidae (temperate basses)

- *Morone americana* (White Perch) – n=5
- *Morone chrysops* (White/Silver Bass) – n=3
- *Morone saxatilis* (Striped Bass) – n=2

Family Osphronemidae (gouramies)

- *Colisa fasciata* (Striped Gourami) – n=1

Family Percidae (perches)

- *Perca flavescens* (Yellow perch) – n=6
- *Sander vitreus* (Yellow Walleye/Pickerel) – n=9

Family Scaridae (parrotfishes)

- *Sparisoma viride* (Stoplight Parrotfish) – n=1

Family Scombridae (mackerel, tuna, and bonito)

- *Scomberomorus cavalla* (King Mackerel) – n=5

Family Sciaenidae (drums)

- *Aplodinotus grunniens* (Freshwater Drum) – n=7

Family Serranidae (sea basses and groupers)

- *Epinephelus flavolimbatus* (Yellowedge Grouper) – n=2
- *Epinephelus morio* (Red Grouper) – n=1
- *Epinephelus mystacinus* (Misty Grouper) – n=1
- *Mycteroperca interstitialis* (Yellowmouth Grouper) – n=1

Family Sparidae (sea breams and porgies)

- *Archosargus probatocephalus* (Ocean Sheepshead) – n=2
- *Stenotomus chrysops* (Scup) – n=1

Order Pleuronectiformes (flatfish)

Family Pleuronectidae (righteye flounders)

- *Hippoglossus stenolepis* (Pacific Halibut) – n=2

Phylum Chordata (animals with a notochord, including vertebrates)

Class Teleostei (ray-finned fishes)

Order Salmoniformes (salmon-like fishes)

Family Salmonidae (salmon, trout, chars, and freshwater whitefishes)

- *Coregonus clupeaformis* (Lake Whitefish) – n=7
- *Coregonus artedi* (Cisco/Lake Herring) – n=2
- *Oncorhynchus gorbuscha* (Pink Salmon) – n=1
- *Oncorhynchus nerka* (Sockeye Salmon) – n=1
- *Oncorhynchus tshawytscha* (Chinook Salmon) – n=1
- *Oncorhynchus mykiss* (Rainbow Trout) – n=9
- *Prosopium cylindraceum* (Round Whitefish) – n=1
- *Salvelinus alpinus* (Arctic Char) – n=4
- *Salvelinus namaycush* (Lake Trout) – n=3
- *Salvelinus fontinalis* (Brook Trout) – n=4
- *Salmo salar* (Atlantic Salmon) – n=6
- *Salmo trutta* (Brown Trout) – n=1

Order Scorpaeniformes (mail-cheeked fishes)

Family Hexagrammidae (greenlings)

- *Ophiodon elongatus* (Lingcod) – n=1

Order Siluriformes (catfishes)

Family Ictaluridae (North American catfish)

- *Ameiurus melas* (Black Bullhead) – n=2
- *Ameiurus nebulosus* (Brown Bullhead) – n=11
- *Ictalurus punctatus* (Channel Catfish) – n=5
- *Noturus flavus* (Stonecat) – n=2

Order Tetraodontiformes (leatherjackets, cowfishes, puffers, triggerfishes, etc.)

Family Balistidae (triggerfish)

- *Balistes vetula* (Queen Triggerfish) – n=1

Class Amphibia (amphibians – salamanders, frogs, toads, and caecilians)

Order Anura (frogs and toads)

Family Bufonidae (true toads)

- *Anaxyrus americanus* (American Toad) – n=2

Family Hylidae (new world tree frogs)

- Hylidae sp. (New World Tree Frog Sp.) – n=1

Family Pipidae (clawed frogs)

- *Xenopus laevis* (African Clawed Frog) – n=1

Family Ranidae (true frogs)

- *Lithobates catesbeianus* (Bullfrog) – n=13
- *Lithobates clamitans* (Green Frog) – n=1
- *Lithobates pipiens* (Northern Leopard Frog) – n=4

Order Caudata (salamanders)

Family Proteidae (mudpuppies)

- *Necturus maculosus* (Mudpuppy) – n=4

Phylum Chordata (animals with a notochord, including vertebrates)

Class Reptilia (turtles, snakes, lizards, and crocodiles)

Order Crocodylia (crocodiles, alligators and caimans)

Family Alligatoridae (caimans and alligators)

- *Caiman* sp. (Caiman) – n=1

Order Squamata (snakes and lizards)

Family Boidae (boas)

- *Boa constrictor* (Boa Constrictor) – n=1

Family Colubridae (colubrid snakes)

- *Diadophis punctatus* (Ring-necked Snake) – n=1
- *Heterodon platirhinos* (Eastern Hog-nosed Snake) – n=2
- *Lampropeltis triangulum* (Eastern Milk Snake) – n=1
- *Nerodia sipedon* (Northern Water Snake) – n=2
- *Pantherophis vulpinus* (Eastern Fox Snake) – n=3
- *Storeria dekayi* (Dekay's Brown Snake) – n=1
- *Storeria occipitomaculata* (Red-Bellied Snake) – n=1
- *Thamnophis sirtalis* (Common Garter Snake) – n=6

Family Viperidae (pit vipers and vipers)

- *Sistrurus catenatus* (Eastern Massasauga) – n=3

Family Iguanidae (iguanas and chuckwallas)

- *Iguana iguana* (Green Iguana) – n=6

Family Scincidae (skinks)

- *Mochlus fernandi* (Fire Skink) – n=1

Order Testudines (turtles)

Family Chelydridae (snapping turtles)

- *Chelydra serpentina* (Snapping Turtle) – n=9

Family Emydidae (pond turtles)

- *Chrysemys picta* (Painted Turtle) – n=9
- *Clemmys guttata* (Spotted Turtle) – n=1
- *Emydoidea blandingii* (Blanding's Turtle) – n=3
- *Graptemys geographica* (Northern Map Turtle) – n=12
- *Pseudemys concinna* (River Cooter) – n=1
- *Terrapene Carolina* (Eastern Box Turtle) – n=1
- *Trachemys scripta* (Pond Slider) – n=2
- *Trachemys scripta elegans* (Red-eared Slider) – n=1

Family Kinosternidae (musk turtles)

- *Sternotherus odoratus* (Musk Turtle/Stinkpot) – n=1

Family Trionychidae (softshell turtles)

- *Apalone spinifera* (Eastern Spiny Softshell Turtle) – n=1
- Trionychidae sp. (Softshell Turtle sp.) – n=2

Phylum Chordata (animals with a notochord, including vertebrates)

Class Aves (birds)

Order Gaviiformes (loons)

Family Gaviidae (loons)

- *Gavia immer* (Common Loon) – n=3

Order Podicipediformes (grebes)

Family Podicipedidae (grebes)

- *Podiceps auritus* (Horned Grebe) – n=5
- *Podilymbus podiceps* (Pied-billed Grebe) – n=2

Order Suliformes (gannets, cormorants, etc.)

Family Sulidae (boobies and gannets)

- *Morus bassanus* (Northern Gannet) – n=1

Family Phalacrocoracidae (cormorants and shags)

- *Phalacrocorax auritus* (Double-crested cormorant) – n=2

Order Pelecaniformes (pelicans, ibises, herons)

Family Ardeidae (bitterns, egrets, herons)

- *Ardea alba* (Great Egret) – n=1
- *Ardea herodias* (Great Blue Heron) – n=6
- *Botaurus lentiginosus* (American Bittern) – n=3
- *Butorides striata* (Green-backed Heron) – n=1
- *Nycticorax nycticorax* (Black-crowned Night-Heron) – n=1

Order Anseriformes (swans, geese, and ducks)

Family Anatidae (swans, geese, and ducks)

Subfamily Anserinae (swans and geese)

- *Anser anser* (Domestic Goose) – n=1
- *Anser caerulescens* (Snow Goose) – n=1
- *Branta canadensis* (Canada Goose) – n=8
- *Branta leucopsis* (Barnacle Goose) – n=1
- *Cygnus buccinators* (Trumpeter Swan) – n=3
- *Cygnus olor* (Mute Swan) – n=3
- *Cygnus colombianus* (Tundra Swan) – n=1

Subfamily Anatinae (ducks)

- *Aix sponsa* (Wood Duck) – n=4
- *Anas acuta* (Northern Pintail) – n=1
- *Anas crecca* (Green-winged Teal) – n=5
- *Anas platyrhynchos* (Mallard) – n=26
- *Anas rubripes* (Black Duck) – n=2
- *Aythya affinis* (Lesser Scaup) – n=1
- *Aythya americana* (Redhead) – n=3
- *Aythya collaris* (Ring-necked Duck) – n=2
- *Aythya marila* (Greater Scaup) – n=1
- *Aythya valisineria* (Canvasback) – n=1
- *Bucephala clangula* (Common Goldeneye) – n=2
- *Clangula hyemalis* (Long-tailed Duck) – n=1

Phylum Chordata (animals with a notochord, including vertebrates)

Class Aves (birds)

Order Anseriformes (swans, geese, and ducks)

Family Anatidae (swans, geese, and ducks)

Subfamily Anatinae (ducks)

- *Lophodytes cucullatus* (Hooded Merganser) – n=1
- *Mareca americana* (American Wigeon) – n=3
- *Mareca strepera* (Gadwall) – n=2
- *Melanitta perspicillata* (Surf Scoter) – n=1
- *Mergus merganser* (Common Merganser) – n=4
- *Mergus serrator* (Red-breasted Merganser) – n=2
- *Oxyura jamaicensis* (Ruddy Duck) – n=2
- *Somateria spectabilis* (King Eider) – n=1
- *Spatula discors* (Blue-winged Teal) – n=2

Order Accipitriformes (hawks, eagles, vultures, and kites)

Family Accipitridae (eagles, hawks, kites)

- *Accipiter cooperii* (Cooper's Hawk) – n=4
- *Accipiter gentilis* (Northern Goshawk) – n=3
- *Accipiter striatus* (Sharp-shinned Hawk) – n=5
- *Aquila chrysaetos* (Golden Eagle) – n=1
- *Buteo jamaicensis* (Red-tailed Hawk) – n=12
- *Buteo lagopus* (Rough-legged Hawk) – n=2
- *Buteo platypterus* (Broad-winged Hawk) – n=2
- *Buteo regalis* (Ferruginous Hawk) – n=1
- *Haliaeetus leucocephalus* (Bald Eagle) – n=1
- *Circus cyaneus* (Northern Harrier) – n=1

Family Cathartidae (new world vultures)

- *Cathartes aura* (Turkey Vulture) – n=1
- *Coragyps atratus* (Black Vulture) – n=1

Family Pandionidae (ospreys)

- *Pandion haliaetus* (Osprey) – n=2

Order Falconiformes (falcons)

Family Falconidae (falcons)

- *Falco peregrinus* (Peregrine Falcon) – n=1
- *Falco sparverius* (American Kestrel) – n=6

Order Galliformes (fowls)

Family Phasianidae (partridges, turkeys, grouse, pheasants, quail)

- *Bonasa umbellus* (Ruffed Grouse) – n=9
- *Coturnix japonica* (Japanese Quail) – n=1
- *Gallus gallus* (Red Burmese Jungle Fowl) – n=2
- *Gallus gallus* (Domestic Chicken) – n=7
- *Meleagris gallopavo* (Wild Turkey) – n=7
- *Meleagris gallopavo* (Domestic Turkey) – n=3
- *Phasianus colchicus* (Ring-necked Pheasant) – n=2

Phylum Chordata (animals with a notochord, including vertebrates)

Class Aves (birds)

Order Gruiformes (cranes, rails)

Family Gruidae (cranes)

- *Grus Canadensis* (Sandhill Crane) – n=8

Family Rallidae (coots, rails)

- *Fulica americana* (American Coot) – n=1
- *Gallinula chloropus* (Common Moorhen) – n=2
- *Porzana carolina* (Sora) – n=1
- *Rallus limicola* (Virginia Rail) – n=2

Order Charadriiformes (shore birds, gulls, alcids, plovers)

Family Charadriidae (plovers)

- *Charadrius vociferous* (Killdeer) – n=2
- *Pluvialis dominica* (American Golden Plover) – n=1

Family Laridae (gulls and terns)

- *Anous stolidus* (Brown Noddy) – n=1
- *Chroicocephalus philadelphia* (Bonaparte's Gull) – n=1
- *Larus argentatus* (Herring Gull) – n=4
- *Larus delawarensis* (Ring-billed Gull) – n=5
- *Leucophaeus pipixcan* (Franklin's Gull) – n=2

Family Scolopacidae (sandpipers and snipes)

- *Bartramia longicauda* (Upland Sandpiper) – n=1
- *Calidris alba* (Sanderling) – n=1
- *Calidris alpina* (Dunlin) – n=1
- *Calidris fuscicollis* (White-rumped Sandpiper) – n=1
- *Limosa haemastica* (Hudsonian Godwit) – n=1
- *Scolopax minor* (American Woodcock) – n=5
- *Tringa melanoleuca* (Greater Yellowlegs) – n=1
- *Tringa solitaria* (Solitary Sandpiper) – n=1

Order Columbiformes (doves and pigeons)

Family Columbidae (doves and pigeons)

- *Columba livia* (Rock Dove) – n=8
- *Zenaida macroura* (Mourning Dove) – n=7

Order Psittaciformes (parrots)

Family Psittacidae (cockatoos, lorries, macaws, parrots)

- *Amazona albifrons* (White-fronted Amazon Parrot) – n=2
- *Melopsittacus undulates* (Budgerigar) – n=1
- *Nymphicus hollandicus* (Cockatiel) – n=1

Order Cuculiformes (cuckoos)

Family Cuculidae (cuckoos)

- *Coccyzus erythrophthalmus* (Black-billed Cuckoo) – n=7
- *Coccyzus americanus* (Yellow-billed Cuckoo) – n=3

Phylum Chordata (animals with a notochord, including vertebrates)

Class Aves (birds)

Order Strigiformes (owls and goatsuckers)

Family Strigidae (typical owls)

- *Aegolius acadicus* (Northern Saw-whet Owl) – n=6
- *Aegolius funereus* (Boreal Owl) – n=1
- *Asio flammeus* (Short-eared Owl) – n=2
- *Asio otus* (Long-eared Owl) – n=2
- *Bubo scandiacus* (Snowy Owl) – n=2
- *Bubo virginianus* (Great Horned Owl) – n=17
- *Megascops asio* (Eastern Screech Owl) – n=2
- *Strix nebulosi* (Great Grey Owl) – n=1
- *Strix varia* (Barred Owl) – n=3

Order Caprimulgiformes (nightjars)

Family Caprimulgidae (nightjars)

- *Chordeiles minor* (Common Nighthawk) – n=1

Order Apodiformes (swifts and hummingbirds)

Family Apodidae (swifts)

- *Chaetura pelagica* (Chimney Swift) – n=3

Family Trochilidae (hummingbirds)

- *Archilochus colubris* (Ruby-throated Hummingbird) – n=3

Order Coraciiformes (motmots, bee-eaters, todies, kingfishers, rollers)

Family Alcedinidae (kingfishers)

- *Megaceryle alcyon* (Belted Kingfisher) – n=4

Order Piciformes (woodpeckers)

Family Picidae (woodpeckers)

- *Colaptes auratus* (Northern Flicker) – n=3
- *Dryocopus pileatus* (Pileated Woodpecker) – n=2
- *Dryobates pubescens* (Downy Woodpecker) – n=2
- *Leuconotopicus villosus* (Hairy Woodpecker) – n=3
- *Melanerpes erythrocephalus* (Red-Headed Woodpecker) – n=1
- *Sphyrapicus varius* (Yellow-bellied Sapsucker) – n=7

Family Ramphastidae (toucans)

- Ramphastidae sp. (Toucan sp.) – n=1

Order Passeriformes (perching birds)

Family Alaudidae (larks)

- *Eremophila alpestris* (Horned Lark) – n=1

Family Bombycillidae (waxwings)

- *Bombycilla cedrorum* (Cedar Waxwing) – n=6

Family Calcaridae (longspurs, snow buntings)

- *Calcarius lapponicus* (Lapland Longspur) – n=2
- *Plectrophenax nivalis* (Snow Bunting) – n=2

Phylum Chordata (animals with a notochord, including vertebrates)

Class Aves (birds)

Order Passeriformes (perching birds)

Family Cardinalidae (cardinals, grosbeaks)

- *Cardinalis cardinalis* (Northern Cardinal) – n=2
- *Passerina cyanea* (Indigo Bunting) – n=2
- *Pheucticus ludovicianus* (Rose-breasted Grosbeak) – n=6
- *Piranga olivacea* (Scarlet Tanager) – n=2

Family Certhiidae (creepers)

- *Certhia americana* (Brown Creeper) – n=3

Family Corvidae (crows, jays, magpies)

- *Corvus corax* (Common Raven) – n=3
- *Corvus brachyrhynchos* (American Crow) – n=5
- *Cyanocitta cristata* (Blue Jay) – n=5

Family Estrildidae (waxbills)

- *Amadina fasciata* (Cut-throat Finch) – n=2
- *Taeniopygia guttata* (Zebra Finch) – n=1

Family Fringillidae (Old World finches)

- *Acanthis flammea* (Common Redpoll) – n=1
- *Haemorhous mexicanus* (House Finch) – n=1
- *Haemorhous purpureus* (Purple Finch) – n=1
- *Hesperiphona vespertina* (Evening Grosbeak) – n=2
- *Loxia curvirostra* (Red Crossbill) – n=1
- *Loxia leucoptera* (White-winged Crossbill) – n=1
- *Pinicola enucleator* (Pine Grosbeak) – n=1
- *Spinus pinus* (Pine Siskin) – n=4
- *Spinus psaltria* (Lesser Goldfinch) – n=1
- *Spinus tristis* (American Goldfinch) – n=4

Family Furnariidae (ovenbirds)

- *Furnarius rufus* (Rufous Hornero) – n=2

Family Hirundinidae (swallows, martins, and saw-wings)

- *Riparia riparia* (Bank Swallow) – n=1
- *Stelgidopteryx serripennis* (Rough-winged Swallow) – n=1
- *Hirundo rustica* (Barn Swallow) – n=2
- *Tachycineta bicolor* (Tree Swallow) – n=2
- *Progne subis* (Purple Martin) – n=1

Family Icteridae (New World blackbirds, orioles)

- *Euphagus carolinus* (Rusty Blackbird) – n=1
- *Quiscalus quiscula* (Common Grackle) – n=5
- *Agelaius phoeniceus* (Red-winged Blackbird) – n=3
- *Icterus galbula* (Northern Oriole) – n=6
- *Molothrus ater* (Brown-headed Cowbird) – n=3
- *Sturnella magna* (Eastern Meadowlark) – n=2

Phylum Chordata (animals with a notochord, including vertebrates)

Class Aves (birds)

Order Passeriformes (perching birds)

Family Mimidae (mockingbirds, thrashers)

- *Dumetella carolinensis* (Gray Catbird) – n=1
- *Toxostoma rufum* (Brown Thrasher) – n=1

Family Paridae (chickadees, titmice, tits)

- *Poecile atricapillus* (Black-capped Chickadee) – n=7

Family Parulidae (New World warblers)

- *Cardellina pusilla* (Wilson's Warbler) – n=1
- *Geothlypis philadelphia* (Mourning Warbler) – n=2
- *Geothlypis trichas* (Common Yellowthroat) – n=4
- *Leiothlypis peregrine* (Tennessee Warbler) – n=1
- *Leiothlypis ruficapilla* (Nashville Warbler) – n=1
- *Mniotilta varia* (Black and White Warbler) – n=3
- *Parkesia noveboracensis* (Northern Waterthrush) – n=5
- *Seiurus aurocapilla* (Ovenbird) – n=6
- *Setophaga* sp. (Black-throated Warbler) – n=1
- *Setophaga caerulescens* (Black-throated Blue Warbler) – n=3
- *Setophaga coronate* (Yellow-rumped Warbler) – n=1
- *Setophaga dominica* (Yellow-throated Warbler) – n=1
- *Setophaga fusca* (Blackburnian Warbler) – n=1
- *Setophaga magnolia* (Magnolia Warbler) – n=3
- *Setophaga pensylvanica* (Chestnut-sided Warbler) – n=1
- *Setophaga petechial* (Yellow Warbler) – n=1
- *Setophaga ruticilla* (American Redstart) – n=2
- *Setophaga tigrina* (Cape May Warbler) – n=2

Family Passerellidae (New World sparrows)

- *Passerculus sandwichensis* (Savannah Sparrow) – n=1
- *Junco hyemalis* (Dark-eyed Junco) – n=5
- *Zonotrichia albicollis* (White-throated Sparrow) – n=10
- *Passerella iliaca* (Fox Sparrow) – n=2
- *Melospiza melodia* (Song Sparrow) – n=2
- *Melospiza georgiana* (Swamp Sparrow) – n=1
- *Melospiza lincolnii* (Lincoln's Sparrow) – n=2
- *Spizella passerine* (Chipping Sparrow) – n=3
- *Spizelloides arborea* (American Tree Sparrow) – n=1

Family Passeridae (Old World sparrows)

- *Passer domesticus* (House Sparrow) – n=2

Family Regulidae (kinglets)

- *Regulus satrapa* (Golden-crowned Kinglet) – n=5
- *Regulus calendula* (Ruby-crowned Kinglet) – n=1

Phylum Chordata (animals with a notochord, including vertebrates)

Class Aves (birds)

Order Passeriformes (perching birds)

Family Sittidae (nuthatches)

- *Sitta canadensis* (Red-Breasted Nuthatch) – n=2
- *Sitta carolinensis* (White-breasted Nuthatch) – n=3

Family Sturnidae (starlings)

- *Sturnus vulgaris* (European Starling) – n=5

Family Troglodytidae (wrens)

- *Troglodytes aedon* (House Wren) – n=3
- *Troglodytes troglodytes* (Winter Wren) – n=1

Family Turdidae (thrushes)

- *Catharus fuscescens* (Veery) – n=10
- *Catharus guttatus* (Hermit Thrush) – n=5
- *Catharus ustulatus* (Swainson's Thrush) – n=6
- *Hylocichla mustelina* (Wood Thrush) – n=3
- *Turdus migratorius* (American Robin) – n=6

Family Tyrannidae (tyrant flycatchers)

- *Empidonax flaviventris* (Yellow-bellied Flycatcher) – n=1
- *Empidonax traillii* (Willow Flycatcher) – n=1
- *Myiarchus crinitus* (Great Crested Flycatcher) – n=1
- *Tyrannus tyrannus* (Eastern Kingbird) – n=4

Family Vireonidae (greenlets, vireos)

- *Vireo olivaceus* (Red-eyed Vireo) – n=4
- *Vireo solitaries* (Solitary Vireo) – n=2

Order Struthioniformes (ostriches)

Family Struthionidae (ostriches)

- *Struthio camelus* (Ostrich) – n=1

Class Mammalia (mammals)

Order Didelphimorphia (American marsupials)

Family Didelphidae (American opossums)

- *Didelphis virginiana* (Virginia Opossum) – n=8

Order Diprotodontia (kangaroos, wallabies, possums, koala, wombats, etc.)

Family Macropodidae (kangaroos, wallabies)

- *Macropus fuliginosus* (Western Grey Kangaroo) – n=1

Order Soricomorpha (shrews, moles)

Family Soricidae (shrews)

- *Blarina brevicauda* (Short-tailed Shrew) – n=5
- *Sorex arcticus* (Arctic/Black-backed Shrew) – n=1
- *Sorex cinereus* (Masked/Common Shrew) – n=1

Family Talpidae (moles)

- *Condylura cristata* (Star-nosed Mole) – n=3

Phylum Chordata (animals with a notochord, including vertebrates)

Class Mammalia (mammals)

Order Chiroptera (bats)

Family Vespertilionidae (evening bats)

- *Eptesicus fuscus* (Big Brown Bat) – n=4
- *Lasionycteris noctivagans* (Silver-haired Bat) – n=1
- *Myotis lucifugus* (Little Brown Bat) – n=3

Order Lagomorpha (rabbits, hares, pikas)

Family Leporidae (hares, rabbits)

- *Lepus americanus* (Snowshoe Hare) – n=4
- *Lepus californicus* (Black-tailed Jackrabbit) – n=4
- *Lepus europaeus* (European Hare) – n=4
- *Oryctolagus cuniculus* (Domestic Rabbit) – n=3
- *Sylvilagus audubonii* (Desert Cottontail) – n=5
- *Sylvilagus floridanus* (Eastern Cottontail) – n=18

Order Rodentia (rodents)

Family Sciuridae (squirrels, marmots, chipmunks)

- *Cynomys ludovicianus* (Black-tailed Prairie Dog) – n=4
- *Glaucomys sabrinus* (Northern Flying Squirrel) – n=1
- *Glaucomys Volans* (Southern Flying Squirrel) – n=1
- *Marmota monax* (Woodchuck/Groundhog) – n=12
- *Otospermophilus variegatus* (Rock Squirrel) – n=1
- *Sciurus carolinensis* (Eastern Grey Squirrel) – n=18
- *Tamias striatus* (Eastern Chipmunk) – n=8
- *Tamiasciurus hudsonicus* (Red Squirrel) – n=8

Family Castoridae (beavers)

- *Castor Canadensis* (Beaver) – n=9

Family Heteromyidae (heteromyid rodents)

- *Perognathus* sp. (Pocket Mouse sp.) – n=1

Family Dipodidae (jumping mice)

- *Zapus hudsonius* (Meadow Jumping Mouse) – n=2

Family Muridae (mice, rats, voles)

- *Rattus norvegicus* (Brown/Norway Rat) – n=4
- *Mus musculus* (House Mouse) – n=7

Family Cricetidae (New World rats & mice)

- *Microtus pennsylvanicus* (Meadow Vole) – n=3
- *Dicrostonyx torquatus* (Collared Lemming) – n=1
- *Ondatra zibethicus* (Muskrat) – n=14
- *Peromyscus maniculatus* (Deer Mouse) – n=5
- *Neotoma albigula* (White-throated Woodrat) – n=5
- *Reithrodontomys* sp. (Harvest Mouse sp.) – n=1

Family Erethizontidae (New World porcupines)

- *Erethizon dorsatus* (North American Porcupine) – n=10

Phylum Chordata (animals with a notochord, including vertebrates)

Class Mammalia (mammals)

Order Rodentia (rodents)

Family Chinchillidae (chinchillas)

- *Chinchilla lanigera* (Chinchilla) – n=1

Family Caviidae (guinea pig, wild cavies, capybara)

- *Cavia porcellus* (Domestic Guinea Pig) – n=1
- *Hydrochoerus hydrochaeris* (Capybara) – n=1

Order Cetacea (whales)

Family Phocoenidae (porpoises)

- *Phocoena phocoena* (Harbour Porpoise) – n=1

Suborder Odontoceti (toothed whales)

- Odontoceti sp. (lg. Porpoise/Dolphin) – n=1

Order Carnivora (carnivores)

Family Canidae (coyotes, dogs, foxes, jackals, wolves)

- *Canis latrans* (Coyote) – n=8
- *Canis lupus* (Wolf) – n=8
- *Canis lupus familiaris* (Domestic Dog) – n=11
- *Urocyon cinereoargenteus* (Gray Fox) – n=1
- *Vulpes velox* (Swift Fox) – n=1
- *Vulpes vulpes* (Red Fox) – n=8

Family Ursidae (bears)

- *Ursus americanus* (American Black Bear) – n=10+
- *Ursus arctos* (Grizzly Bear) – n=1
- *Ursus maritimus* (Polar Bear) – n=1

Family Procyonidae (raccoons)

- *Procyon lotor* (Raccoon) – n=22

Family Ailuridae (red pandas)

- *Ailurus fulgens* (Red Panda) – n=1

Family Mephitidae (skunks)

- *Mephitis mephitis* (Striped Skunk) – n=7

Family Mustelidae (weasels)

- *Arctonyx collaris* (Hog Badger) – n=1
- *Gulo gulo* (Wolverine) – n=1
- *Lontra canadensis* (River Otter) – n=5
- *Martes americana* (American Marten) – n=6
- *Mustela ermine* (Shorttail Weasel/Ermine) – n=4+
- *Mustela frenata* (Longtail Weasel) – n=3
- *Mustela nigripes* (Black-footed Ferret) – n=1
- *Mustela nivalis* (Least Weasel) – n=1
- *Mustela vison* (American Mink) – n=13
- *Pekania pennant* (Fisher) – n=9
- *Taxidea taxus* (American Badger) – n=2

Phylum Chordata (animals with a notochord, including vertebrates)

Class Mammalia (mammals)

Order Carnivora (carnivores)

Family Odobenidae (walruses)

- *Odobenus rosmarus* (Walrus) – n=1

Family Otariidae (eared seals, sea lions)

- *Eumetopias jubatus* (Northern Sea-Lion) – n=1

Family Phocidae (earless seals, true seals)

- *Pusa hispida* (Ringed Seal) – n=1

Family Felidae (cats)

- *Acinonyx jubatus* (Cheetah) – n=1
- *Felis catus* (Domestic Cat) – n=8
- *Lynx canadensis* (Canadian Lynx) – n=8
- *Lynx rufus* (Bobcat) – n=8
- *Panthera leo* (African Lion) – n=2
- *Panthera tigris* (Siberian Tiger) – n=3
- *Puma concolor* (Cougar/Mountain Lion) – n=1

Order Proboscidea (elephants)

Family Elephantidae (elephants)

- *Loxodonta africana* (African Elephant) – n=1

Order Perissodactyla (odd-toed ungulates)

Family Equidae (asses, horses, zebras)

- *Equus caballus* (Domestic Horse) – n=3+
- *Equus grevyi* (Grevy's Zebra) – n=1

Order Artiodactyla (even-toed ungulates)

Family Suidae (hogs, pigs)

- *Sus scrofa* (Domestic Pig) – n=17+

Family Hippopotamidae (hippopotamuses)

- *Hippopotamus amphibius* (River Hippopotamus) – n=1

Family Camelidae (camels)

- *Vicugna pacos* (Alpaca) – n=1

Family Cervidae (deer, moose, wapiti)

- *Odocoileus virginianus* (White-tailed Deer) – n=22+
- *Odocoileus hemionus sitkensis* (Sitka Black-Tailed Deer) – n=3
- *Rangifer tarandus* (Woodland Caribou) – n=3
- *Alces alces* (Moose) – n=15+
- *Dama dama* (Fallow Deer) – n=1
- *Rucervus duvauceli* (Barasingha/Swamp Deer) – n=1
- *Cervus elaphus* (Wapiti/Elk) – n=3

Family Antilocapridae (pronghorns)

- *Antilocapra americana* (Pronghorn) – n=1

Phylum Chordata (animals with a notochord, including vertebrates)

Class Mammalia (mammals)

Order Artiodactyla (even-toed ungulates)

Family Bovidae (antelopes, cattle, goats, sheep)

- *Bison bison* (American Bison) – n=1
- *Bison bonasus* (Wisent/European Bison) – n=1
- *Bos taurus* (Domestic Cow) – n=14+
- *Bos frontalis* (Gaur) – n=1
- *Tragelaphus strepsiceros* (Greater Kudu) – n=1
- *Connochaetes gnou* (Black Wildebeest) – n=1
- *Hippotragus niger* (Sable Antelope) – n=1
- *Ammotragus lervia* (Barbary Sheep/Aoudad) – n=3
- *Ovis aries* (Domestic Sheep) – n=16+
- *Ovis canadensis* (Bighorn Sheep) – n=1
- *Capra caucasica* (West Caucasian Tur) – n=1
- *Capra hircus* (Domestic Goat) – n=2
- *Capra ibex* (Nubian Ibex) – n=2
- *Rupicapra rupicapra* (Chamois) – n=2