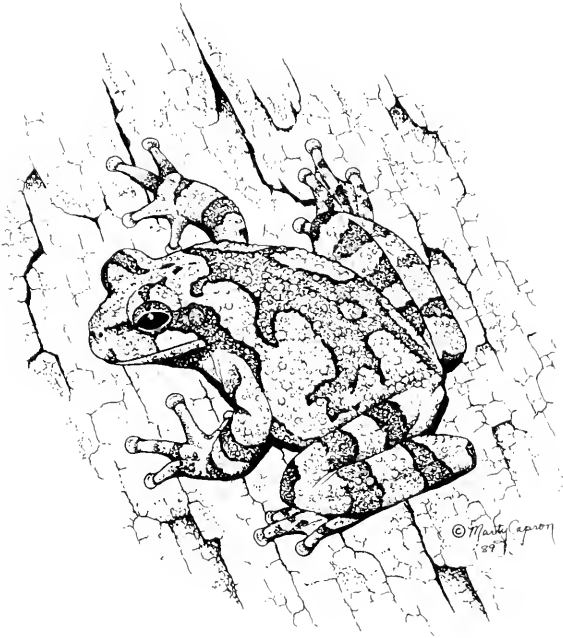


A CHECKLIST OF THE VERTEBRATE ANIMALS OF KANSAS

GEORGE D. POTTS

JOSEPH T. COLLINS



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Cover drawing of Cope's Gray Treefrog (*Hyla chrysoscelis*) by Martin
Capron, Oxford, Kansas.

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VERTEBRATE ANIMALS OF
KANSAS

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Dedicated to

Frank B. Cross
Richard F. Johnston
and Hobart M. Smith

in recognition of their important contributions to
our knowledge of Kansas vertebrates

and

In Memory of

E. Raymond Hall
Robert R. Mengel
and Edward H. Taylor

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A CHECKLIST OF THE VERTEBRATE ANIMALS OF KANSAS

GEORGE D. POTTS AND JOSEPH T. COLLINS

INTRODUCTION

This publication is the result of an oft-expressed need by our colleagues in Kansas for an up-to-date list of the current common and scientific names of all vertebrate animals in the state. Kansas has 746 species of vertebrate animals (in 388 genera) that either currently reside here, or at one time were residents and are now extirpated. Some of these species are not native, but have established breeding colonies in the state, or are deliberately introduced on a regular basis for recreational or commercial purposes. Of the 746 vertebrate species in Kansas, 87 are mammals, 429 are birds, 64 are reptiles, 30 are amphibians, and 136 are fishes. The 429 species of birds include many that do not breed in Kansas, which skews their representation in our vertebrate fauna (with the exception of bats, none of the other groups feature such transient species).

The species listed below are those shown as current or past members of the Kansas vertebrate fauna by Bee et al. (1981, mammals), Thompson and Ely (1989, in press, birds), Collins (1982, reptiles and amphibians), and Cross and Collins (1975, fishes), with modifications based on discoveries made since the dates of publication of those books. The common and scientific names used are from Jones et al. (1986, mammals), American Ornithologist's Union (1983, birds), Collins (1990, reptiles and amphibians), and Robins et al. (1980, fishes), with modifications based on published proposals since the dates of publication of those lists. Common names are given first in the lefthand column; scientific names in the righthand column are in alphabetical order. An asterisk appears by the scientific name if that species is known to be non-native to Kansas. No attempt has been made to designate those species that have been extirpated from Kansas, although some are obvious.

In accordance with a recent ruling by the International Commission on Zoological Nomenclature, the scientific names of taxa originally spelled with a *ii*-ending retain that ending in this list; those originally spelled with a single *i*-ending retain that ending. We hope to publish future editions of this check list when appropriate, and would appreciate learning of any errors, omissions, or misspellings.

MAMMALS

OPOSSUM ORDER MARSUPIALIA

Opossum	FAMILY DIDELPHIDAE
Virginia Opossum	<i>Didelphis virginiana</i>

Shrews & Mole ORDER INSECTIVORA

Shrews	FAMILY SORICIDAE
Southern Short-tailed Shrew	<i>Blarina carolinensis</i>
Least Shrew	<i>Cryptotis parva</i>
Hayden's Shrew	<i>Sorex haydenii</i>

Mole	FAMILY TALPIDAE
Eastern Mole	<i>Scalopus aquaticus</i>

Bats ORDER CHIROPTERA

Common Bats	FAMILY VESPERTILIONIDAE
Pallid Bat	<i>Antrozous pallidus</i>
Big Brown Bat	<i>Eptesicus fuscus</i>
Silver-haired Bat	<i>Lasionycteris noctivagans</i>
Red Bat	<i>Lasiurus borealis</i>
Hoary Bat	<i>Lasiurus cinereus</i>
Gray Myotis	<i>Myotis grisescens</i>
Northern Myotis	<i>Myotis septentrionalis</i>
Western Small-footed Myotis	<i>Myotis ciliolabrum</i>
Little Brown Myotis	<i>Myotis lucifugus</i>
Cave Myotis	<i>Myotis velifer</i>
Evening Bat	<i>Nycticeius humeralis</i>
Eastern Pipistrelle	<i>Pipistrellus subflavus</i>
Townsend's Big-eared Bat	<i>Plecotus townsendii</i>

Free-tailed Bats	FAMILY MOLOSSIDAE
Brazilian Free-tailed Bat	<i>Tadarida brasiliensis</i>
Big Free-tailed Bat	<i>Tadarida macrotis</i>

Armadillo ORDER XENARTHRA

Armadillo	FAMILY DASYPODIDAE
Nine-banded Armadillo	<i>Dasyus novemcinctus</i>

Rabbits ORDER LAGOMORPHA

Jack Rabbits, Cottontails & Relatives	FAMILY LEPORIDAE
White-tailed Jack Rabbit	<i>Lepus townsendii</i>
Black-tailed Jack Rabbit	<i>Lepus californicus</i>
Swamp Rabbit	<i>Sylvilagus aquaticus</i>
Desert Cottontail	<i>Sylvilagus audubonii</i>
Eastern Cottontail	<i>Sylvilagus floridanus</i>

Squirrels, Gophers, Mice & Relatives ORDER RODENTIA

Squirrels & Relatives	FAMILY SCIURIDAE
Black-tailed Prairie Dog	<i>Cynomys ludovicianus</i>
Southern Flying Squirrel	<i>Glaucomys volans</i>
Woodchuck	<i>Marmota monax</i>
Gray Squirrel	<i>Sciurus carolinensis</i>
Fox Squirrel	<i>Sciurus niger</i>
Franklin's Ground Squirrel	<i>Spermophilus franklinii</i>
Spotted Ground Squirrel	<i>Spermophilus pilosoma</i>
Thirteen-lined Ground Squirrel	<i>Spermophilus tridecemlineatus</i>
Eastern Chipmunk	<i>Tamias striatus</i>

Pocket Gophers	FAMILY GEOMYIDAE
Plains Pocket Gopher	<i>Geomys bursarius</i>
Yellow-faced Pocket Gopher	<i>Pappogeomys castanops</i>

Pocket Mice & Kangaroo Rat	FAMILY HETEROMYIDAE
Ord's Kangaroo Rat	<i>Dipodomys ordii</i>
Plains Pocket Mouse	<i>Perognathus flavescens</i>
Silky Pocket Mouse	<i>Perognathus flavus</i>
Hispid Pocket Mouse	<i>Perognathus hispidus</i>

Beaver	FAMILY CASTORIDAE
Beaver	<i>Castor canadensis</i>

New World Rats, Mice & Relatives	FAMILY CRICETIDAE
Prairie Vole	<i>Microtus ochrogaster</i>
Meadow Vole	<i>Microtus pennsylvanicus</i>
Woodland Vole	<i>Microtus pinetorum</i>
Eastern Woodrat	<i>Neotoma floridana</i>
Southern Plains Woodrat	<i>Neotoma micropus</i>
Muskrat	<i>Ondatra zibethicus</i>

Northern Grasshopper Mouse	<i>Onychomys leucogaster</i>
Texas Mouse	<i>Peromyscus attwateri</i>
White-footed Mouse	<i>Peromyscus leucopus</i>
Deer Mouse	<i>Peromyscus maniculatus</i>
Fulvous Harvest Mouse	<i>Reithrodontomys fulvescens</i>
Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Plains Harvest Mouse	<i>Reithrodontomys montanus</i>
Hispid Cotton Rat	<i>Sigmodon hispidus</i>
Southern Bog Lemming	<i>Synaptomys cooperi</i>

Old World Rats & Mice

FAMILY MURIDAE

House Mouse	<i>Mus musculus</i> *
Norway Rat	<i>Rattus norvegicus</i> *
Black Rat	<i>Rattus rattus</i> *

Jumping Mouse

FAMILY ZAPODIDAE

Meadow Jumping Mouse	<i>Zapus hudsonius</i>
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New World Porcupine

FAMILY ERETHIZONTIDAE

Porcupine	<i>Erethizon dorsatum</i>
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Cats, Bears, Foxes, Skunks & Relatives ORDER CARNIVORA**Coyote, Wolf & Foxes**

FAMILY CANIDAE

Coyote	<i>Canis latrans</i>
Gray Wolf	<i>Canis lupus</i>
Gray Fox	<i>Urocyon cinereoargenteus</i>
Swift Fox	<i>Vulpes velox</i>
Red Fox	<i>Vulpes vulpes</i>

Bears

FAMILY URSIDAE

Black Bear	<i>Ursus americanus</i>
Grizzly Bear	<i>Ursus arctos</i>

Ringtail & Raccoon

FAMILY PROCYONIDAE

Ringtail	<i>Bassariscus astutus</i>
Raccoon	<i>Procyon lotor</i>

Weasels, Skunks & Relatives

FAMILY MUSTELIDAE

River Otter	<i>Lutra canadensis</i>
Striped Skunk	<i>Mephitis mephitis</i>
Long-tailed Weasel	<i>Mustela frenata</i>

Black-footed Ferret	<i>Mustela nigripes</i>
Least Weasel	<i>Mustela nivalis</i>
Mink	<i>Mustela vison</i>
Eastern Spotted Skunk	<i>Spilogale putorius</i>
Badger	<i>Taxidea taxus</i>

Cats	FAMILY FELIDAE
Mountain Lion	<i>Felis concolor</i>
Bobcat	<i>Lynx rufus</i>

Deer & Relatives ORDER ARTIODACTYLA

Wapiti & Deer	FAMILY CERVIDAE
Moose	<i>Alces alces</i>
Wapiti	<i>Cervus elaphus</i>
Mule Deer	<i>Odocoileus hemionus</i>
White-tailed Deer	<i>Odocoileus virginianus</i>

Pronghorn	FAMILY ANTILOCAPRIDAE
Pronghorn	<i>Antilocapra americana</i>

Bovid	FAMILY BOVIDAE
Bison	<i>Bison bison</i>



BIRDS**Loons ORDER GAVIIFORMES**

Loons	FAMILY GAVIIDAE
Common Loon	<i>Gavia immer</i>
Pacific Loon	<i>Gavia pacifica</i>
Red-throated Loon	<i>Gavia stellata</i>

Grebes ORDER PODICIPEDIFORMES

Grebes	FAMILY PODICIPEDIDAE
Clark's Grebe	<i>Aechmophorus clarkii</i>
Western Grebe	<i>Aechmophorus occidentalis</i>
Horned Grebe	<i>Podiceps auritus</i>
Red-necked Grebe	<i>Podiceps grisegena</i>
Eared Grebe	<i>Podiceps nigricollis</i>
Pied-billed Grebe	<i>Podilymbus podiceps</i>

Pelicans, Cormorants & Relatives ORDER PELECANIFORMES

Pelicans	FAMILY PELECANIDAE
American White Pelican	<i>Pelecanus erythrorhynchos</i>
Brown Pelican	<i>Pelecanus occidentalis</i>

Cormorants	FAMILY PHALACROCORACIDAE
Double-crested Cormorant	<i>Phalacrocorax auritus</i>
Olivaceous Cormorant	<i>Phalacrocorax olivaceus</i>

Anhinga	FAMILY ANHINGIDAE
Anhinga	<i>Anhinga anhinga</i>

Frigatebird	FAMILY FREGATIDAE
Magnificent Frigatebird	<i>Fregata magnificens</i>

Hérons, Egrets, Ibises & Relatives ORDER CICONIIFORMES

Hérons, Egrets & Bitterns	FAMILY ARDEIDAE
Great Blue Heron	<i>Ardea herodias</i>
American Bittern	<i>Botaurus lentiginosus</i>
Cattle Egret	<i>Bubulcus ibis</i>
Green-backed Heron	<i>Butorides striatus</i>

Great Egret.....	<i>Casmerodius albus</i>
Little Blue Heron.....	<i>Egretta caerulea</i>
Snowy Egret.....	<i>Egretta thula</i>
Tricolored Heron.....	<i>Egretta tricolor</i>
Least Bittern.....	<i>Ixobrychus exilis</i>
Black-crowned Night Heron.....	<i>Nycticorax nycticorax</i>
Yellow-crowned Night Heron.....	<i>Nycticorax violaceus</i>

Spoonbill & Ibises

FAMILY THRESKIORNITHIDAE

Roseate Spoonbill.....	<i>Ajaia ajaja</i>
White Ibis.....	<i>Eudocimus albus</i>
White-faced Ibis.....	<i>Plegadis chihi</i>

Stork

FAMILY CICONIIDAE

Wood Stork.....	<i>Mycteria americana</i>
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Flamingo ORDER PHOENICOPTERIFORMES**Flamingo**

FAMILY PHOENICOPTERIDAE

Greater Flamingo.....	<i>Phoenicopterus ruber</i>
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Ducks & Relatives ORDER ANSERIFORMES**Swans, Geese, Ducks & Relatives**

FAMILY ANATIDAE

Wood Duck.....	<i>Aix sponsa</i>
Northern Pintail.....	<i>Anas acuta</i>
American Wigeon.....	<i>Anas americana</i>
Northern Shoveler.....	<i>Anas clypeata</i>
Green-winged Teal.....	<i>Anas crecca</i>
Cinnamon Teal.....	<i>Anas cyanoptera</i>
Blue-winged Teal.....	<i>Anas discors</i>
Mottled Duck.....	<i>Anas fulvigula</i>
Eurasian Wigeon.....	<i>Anas penelope</i>
Mallard.....	<i>Anas platyrhynchos</i>
Garganey.....	<i>Anas querquedula</i>
American Black Duck.....	<i>Anas rubripes</i>
Gadwall.....	<i>Anas strepera</i>
Greater White-fronted Goose.....	<i>Anser albifrons</i>
Lesser Scaup.....	<i>Aythya affinis</i>
Redhead.....	<i>Aythya americana</i>
Ring-necked Duck.....	<i>Aythya collaris</i>
Greater Scaup.....	<i>Aythya marila</i>

Canvasback	<i>Aythya valisineria</i>
Brant	<i>Branta bernicla</i>
Canada Goose	<i>Branta canadensis</i>
Bufflehead	<i>Bucephala albeola</i>
Common Goldeneye	<i>Bucephala clangula</i>
Barrow's Goldeneye	<i>Bucephala islandica</i>
Trumpeter Swan	<i>Cygnus buccinator</i>
Tundra Swan	<i>Cygnus columbianus</i>
Snow/Blue Goose	<i>Chen caerulescens</i>
Ross' Goose	<i>Chen rossii</i>
Oldsquaw	<i>Clangula hyemalis</i>
Black-bellied Whistling-duck	<i>Dendrocygna autumnalis</i>
Fulvous Whistling-duck	<i>Dendrocygna bicolor</i>
Hooded Merganser	<i>Lophodytes cucullatus</i>
White-winged Scoter	<i>Melanitta fusca</i>
Black Scoter	<i>Melanitta nigra</i>
Surf Scoter	<i>Melanitta perspicillata</i>
Common Merganser	<i>Mergus merganser</i>
Red-breasted Merganser	<i>Mergus serrator</i>
Ruddy Duck	<i>Oxyura jamaicensis</i>
Common Eider	<i>Somateria mollissima</i>
King Eider	<i>Somateria spectabilis</i>

Hawks, Vultures, Falcons & Relatives ORDER FALCONIFORMES

American Vultures	FAMILY CATHARTIDAE
Turkey Vulture	<i>Cathartes aura</i>
Black Vulture	<i>Coragyps atratus</i>

Hawks, Eagles, & Relatives	FAMILY ACCIPITRIDAE
Cooper's Hawk	<i>Accipiter cooperii</i>
Northern Goshawk	<i>Accipiter gentilis</i>
Sharp-shinned Hawk	<i>Accipiter striatus</i>
Golden Eagle	<i>Aquila chrysaetos</i>
Red-tailed Hawk	<i>Buteo jamaicensis</i>
Rough-legged Hawk	<i>Buteo lagopus</i>
Red-shouldered Hawk	<i>Buteo lineatus</i>
Broad-winged Hawk	<i>Buteo platypterus</i>
Ferruginous Hawk	<i>Buteo regalis</i>
Swainson's Hawk	<i>Buteo swainsoni</i>
Northern Harrier	<i>Circus cyaneus</i>
American Swallow-tailed Kite	<i>Elanoides forficatus</i>

Bald Eagle	<i>Haliaeetus leucocephalus</i>
Mississippi Kite	<i>Ictinia mississippiensis</i>
Osprey	<i>Pandion haliaetus</i>
Harris' Hawk	<i>Parabuteo unicinctus</i>

Kestrel, Merlin & Falcons

FAMILY FALCONIDAE

Merlin	<i>Falco columbarius</i>
Prairie Falcon	<i>Falco mexicanus</i>
Peregrine Falcon	<i>Falco peregrinus</i>
Gyr Falcon	<i>Falco rusticolus</i>
American Kestrel	<i>Falco sparverius</i>

Prairie-chickens & Relatives ORDER GALLIFORMES**Prairie-chickens, Grouse, & Relatives**

FAMILY PHASIANIDAE

Ruffed Grouse	<i>Bonasa umbellus</i>
Scaled Quail	<i>Callipepla squamata</i>
Sage Grouse	<i>Centrocercus urophasianus</i>
Northern Bobwhite	<i>Colinus virginianus</i>
Turkey	<i>Meleagris gallopavo</i>
Ring-necked Pheasant	<i>Phasianus colchicus*</i>
Greater Prairie-chicken	<i>Tympanuchus cupido</i>
Lesser Prairie-chicken	<i>Tympanuchus pallidicinctus</i>
Sharp-tailed Grouse	<i>Tympanuchus phasianellus</i>

Rails, Cranes & Relatives ORDER GRUIFORMES**Rails & Relatives**

FAMILY RALLIDAE

Yellow Rail	<i>Coturnicops noveboracensis</i>
American Coot	<i>Fulica americana</i>
Common Moorhen	<i>Gallinula chloropus</i>
Black Rail	<i>Laterallus jamaicensis</i>
Purple Gallinule	<i>Porphyryla martinica</i>
Sora	<i>Porzana carolina</i>
King Rail	<i>Rallus elegans</i>
Virginia Rail	<i>Rallus limicola</i>

Cranes

FAMILY GRUIDAE

Whooping Crane	<i>Grus americana</i>
Sandhill Crane	<i>Grus canadensis</i>

Sandpipers, Gulls & Relatives ORDER CHARADRIIFORMES**Plovers & Killdeer**

FAMILY CHARADRIIDAE

Snowy Plover	<i>Charadrius alexandrinus</i>
Piping Plover	<i>Charadrius melodus</i>
Mountain Plover	<i>Charadrius montanus</i>
Semipalmated Plover	<i>Charadrius semipalmatus</i>
Killdeer	<i>Charadrius vociferus</i>
Lesser Golden Plover	<i>Pluvialis dominica</i>
Black-bellied Plover	<i>Pluvialis squatarola</i>

Stilt & Avocet

FAMILY RECURVIROSTRIDAE

Black-necked Stilt	<i>Himantopus mexicanus</i>
American Avocet	<i>Recurvirostra americana</i>

Sandpipers, Phalaropes & Relatives

FAMILY SCOLOPACIDAE

Spotted Sandpiper	<i>Actitis macularia</i>
Ruddy Turnstone	<i>Arenaria interpres</i>
Upland Sandpiper	<i>Bartramia longicauda</i>
Sanderling	<i>Calidris alba</i>
Dunlin	<i>Calidris alpina</i>
Baird's Sandpiper	<i>Calidris bairdii</i>
Red Knot	<i>Calidris canutus</i>
Curlew Sandpiper	<i>Calidris ferruginea</i>
White-rumped Sandpiper	<i>Calidris fuscicollis</i>
Stilt Sandpiper	<i>Calidris himantopus</i>
Western Sandpiper	<i>Calidris mauri</i>
Pectoral Sandpiper	<i>Calidris melanotos</i>
Least Sandpiper	<i>Calidris minutilla</i>
Semipalmated Sandpiper	<i>Calidris pusilla</i>
Willet	<i>Catoptrophorus semipalmatus</i>
Common Snipe	<i>Gallinago gallinago</i>
Short-billed Dowitcher	<i>Limnodromus griseus</i>
Long-billed Dowitcher	<i>Limnodromus scolopaceus</i>
Marbled Godwit	<i>Limosa fedoa</i>
Hudsonian Godwit	<i>Limosa haemastica</i>
Long-billed Curlew	<i>Numenius americanus</i>
Eskimo Curlew	<i>Numenius borealis</i>
Whimbrel	<i>Numenius phaeopus</i>
Red Phalarope	<i>Phalaropus fulicaria</i>
Red-necked Phalarope	<i>Phalaropus lobatus</i>

Wilson's Phalarope	<i>Phalaropus tricolor</i>
Ruff	<i>Philomachus pugnax</i>
American Woodcock	<i>Scolopax minor</i>
Lesser Yellowlegs	<i>Tringa flavipes</i>
Greater Yellowlegs	<i>Tringa melanoleuca</i>
Solitary Sandpiper	<i>Tringa solitaria</i>
Buff-breasted Sandpiper	<i>Tryngites subruficollis</i>

Gulls, Jaegers, Terns & Relatives

FAMILY LARIDAE

Black Tern	<i>Chlidonias niger</i>
Herring Gull	<i>Larus argentatus</i>
Laughing Gull	<i>Larus atricilla</i>
California Gull	<i>Larus californicus</i>
Ring-billed Gull	<i>Larus delawarensis</i>
Glaucous Gull	<i>Larus hyperboreus</i>
Great Black-backed Gull	<i>Larus marinus</i>
Little Gull	<i>Larus minutus</i>
Bonaparte's Gull	<i>Larus philadelphia</i>
Franklin's Gull	<i>Larus pipixcan</i>
Common Black-headed Gull	<i>Larus ridibundus</i>
Thayer's Gull	<i>Larus thayeri</i>
Black-legged Kittiwake	<i>Rissa tridactyla</i>
Black Skimmer	<i>Rynchops niger</i>
Long-tailed Jaeger	<i>Stercorarius longicaudus</i>
Parasitic Jaeger	<i>Stercorarius parasiticus</i>
Pomarine Jaeger	<i>Stercorarius pomarinus</i>
Least Tern	<i>Sterna antillarum</i>
Caspian Tern	<i>Sterna caspia</i>
Forster's Tern	<i>Sterna forsteri</i>
Common Tern	<i>Sterna hirundo</i>
Sabine's Gull	<i>Xema sabini</i>

Pigeons & Doves ORDER COLUMBIFORMES**Pigeons & Doves**

FAMILY COLUMBIDAE

Band-tailed Pigeon	<i>Columba fasciata</i>
Rock Dove (Feral Pigeon)	<i>Columba livia</i> *
Inca Dove	<i>Columbina inca</i>
Common Ground-Dove	<i>Columbina passerina</i>
Passenger Pigeon	<i>Ectopistes migratorius</i>
White-winged Dove	<i>Zenaida asiatica</i>
Mourning Dove	<i>Zenaida macroura</i>

Parakeet ORDER PSITTACIFORMES

Parakeet	FAMILY PSITTACIDAE
Carolina Parakeet	<i>Conuropsis carolinensis</i>

Cuckoos & Relatives ORDER CUCULIFORMES

Cuckoos & Relatives	FAMILY CUCULIDAE
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>
Groove-billed Ani	<i>Crotophaga sulcirostris</i>
Greater Roadrunner	<i>Geococcyx californianus</i>

Owls ORDER STRIGIFORMES

Barn-owl	FAMILY TYTONIDAE
Common Barn-owl	<i>Tyto alba</i>

Typical Owls	FAMILY STRIGIDAE
Northern Saw-whet Owl	<i>Aegolius acadicus</i>
Long-eared Owl	<i>Asio otus</i>
Short-eared Owl	<i>Asio flammeus</i>
Burrowing Owl	<i>Athene cucularia</i>
Great Horned Owl	<i>Bubo virginianus</i>
Snowy Owl	<i>Nyctea scandiaca</i>
Eastern Screech-owl	<i>Otus asio</i>
Western Screech-owl	<i>Otus kennicottii</i>
Barred Owl	<i>Strix varia</i>

Nighthawk & Relatives ORDER CAPRIMULGIFORMES

Nighthawk, Poorwill & Relatives	FAMILY CAPRIMULGIDAE
Chuck-will's-widow	<i>Caprimulgus carolinensis</i>
Whip-poor-will	<i>Caprimulgus vociferus</i>
Common Nighthawk	<i>Chordeiles minor</i>
Common Poorwill	<i>Phalaenoptilus nuttallii</i>

Swifts & Hummingbirds ORDER APODIFORMES

Swifts	FAMILY APODIDAE
White-throated Swift	<i>Aeronautes saxatalis</i>
Chimney Swift	<i>Chaetura pelagica</i>

Hummingbirds

FAMILY TROCHILIDAE

Black-chinned Hummingbird	<i>Archilochus alexandri</i>
Ruby-throated Hummingbird	<i>Archilochus colubris</i>
Magnificent Hummingbird	<i>Eugenes fulgens</i>
Broad-tailed Hummingbird	<i>Selasphorus platycercus</i>
Rufous Hummingbird	<i>Selasphorus rufus</i>
Calliope Hummingbird	<i>Stellula calliope</i>

Kingfisher ORDER CORACIIFORMES**Kingfisher**

FAMILY ALCEDINIDAE

Belted Kingfisher	<i>Ceryle alcyon</i>
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Woodpeckers & Relatives ORDER PICIFORMES**Woodpeckers, Sapsuckers & Relatives**

FAMILY PICIDAE

Northern Flicker	<i>Colaptes auratus</i>
Pileated Woodpecker	<i>Dryocopus pileatus</i>
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>
Lewis' Woodpecker	<i>Melanerpes lewis</i>
Downy Woodpecker	<i>Picoides pubescens</i>
Ladder-backed Woodpecker	<i>Picoides scalaris</i>
Hairy Woodpecker	<i>Picoides villosus</i>
Red-naped Sapsucker	<i>Sphyrapicus nuchalis</i>
Williamson's Sapsucker	<i>Sphyrapicus thyroideus</i>
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>

Songbirds ORDER PASSERIFORMES**Flycatchers, Kingbirds & Relatives**

FAMILY TYRANNIDAE

Olive-sided Flycatcher	<i>Contopus borealis</i>
Western Wood-pewee	<i>Contopus sordidulus</i>
Eastern Wood-pewee	<i>Contopus virens</i>
Alder Flycatcher	<i>Empidonax alnorum</i>
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>
Hammond's Flycatcher	<i>Empidonax hammondi</i>
Least Flycatcher	<i>Empidonax minimus</i>
Dusky Flycatcher	<i>Empidonax oberholseri</i>
Cordilleran Flycatcher	<i>Empidonax occidentalis</i>
Willow Flycatcher	<i>Empidonax traillii</i>
Acadian Flycatcher	<i>Empidonax virescens</i>

Gray Flycatcher	<i>Empidonax wrightii</i>
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>
Great Crested Flycatcher	<i>Myiarchus crinitus</i>
Vermilion Flycatcher	<i>Pyrocephalus rubinus</i>
Black Phoebe	<i>Sayornis nigricans</i>
Eastern Phoebe	<i>Sayornis phoebe</i>
Say's Phoebe	<i>Sayornis saya</i>
Scissor-tailed Flycatcher	<i>Tyrannus forficatus</i>
Western Kingbird	<i>Tyrannus verticalis</i>
Cassin's Kingbird	<i>Tyrannus vociferans</i>
Eastern Kingbird	<i>Tyrannus tyrannus</i>

Larks

FAMILY ALAUDIDAE

Horned Lark	<i>Eremophila alpestris</i>
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Swallows & Relatives

FAMILY HIRUNDINIDAE

Cliff Swallow	<i>Hirundo pyrrhonota</i>
Barn Swallow	<i>Hirundo rustica</i>
Purple Martin	<i>Progne subis</i>
Bank Swallow	<i>Riparia riparia</i>
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>
Tree Swallow	<i>Tachycineta bicolor</i>
Violet-green Swallow	<i>Tachycineta thalassina</i>

Jays, Crows & Ravens

FAMILY CORVIDAE

Scrub Jay	<i>Aphelocoma coerulescens</i>
Gray-breasted Jay	<i>Aphelocoma ultramarina</i>
American Crow	<i>Corvus brachyrhynchos</i>
Common Raven	<i>Corvus corax</i>
Chihuahuan Raven	<i>Corvus cryptoleucus</i>
Fish Crow	<i>Corvus ossifragus</i>
Blue Jay	<i>Cyanocitta cristata</i>
Steller's Jay	<i>Cyanocitta stelleri</i>
Pinyon Jay	<i>Gymnorhinus cyanocephalus</i>
Clark's Nutcracker	<i>Nucifraga columbiana</i>
Black-billed Magpie	<i>Pica pica</i>

Chickadees & Titmouse

FAMILY PARIDAE

Black-capped Chickadee	<i>Parus atricapillus</i>
Tufted Titmouse	<i>Parus bicolor</i>
Carolina Chickadee	<i>Parus carolinensis</i>
Mountain Chickadee	<i>Parus gambeli</i>

Bushtit FAMILY AEGITHALIDAE
 Bushtit *Psaltriparus minimus*

Nuthatches FAMILY SITTIDAE
 Red-breasted Nuthatch *Sitta canadensis*
 White-breasted Nuthatch *Sitta carolinensis*
 Pygmy Nuthatch *Sitta pygmaea*

Creeper FAMILY CERTHIDAE
 Brown Creeper *Certhia americana*

Wrens FAMILY TROGLODYTIDAE
 Marsh Wren *Cistothorus palustris*
 Sedge Wren *Cistothorus platensis*
 Rock Wren *Salpinctes obsoletus*
 Bewick's Wren *Thryomanes bewickii*
 Carolina Wren *Thryothorus ludovicianus*
 House Wren *Troglodytes aedon*
 Winter Wren *Troglodytes troglodytes*

Robin, Bluebirds, Thrushes & Relatives FAMILY MUSCICAPIDAE
 Veery *Catharus fuscescens*
 Hermit Thrush *Catharus guttatus*
 Gray-cheeked Thrush *Catharus minimus*
 Swainson's Thrush *Catharus ustulatus*
 Wood Thrush *Hylocichla ustulata*
 Varied Thrush *Ixoreus naevius*
 Townsend's Solitaire *Myadestes townsendi*
 Blue-gray Gnatcatcher *Poliophtila caerulea*
 Golden-crowned Kinglet *Regulus satrapa*
 Ruby-crowned Kinglet *Regulus calendula*
 Mountain Bluebird *Sialia currucoides*
 Western Bluebird *Sialia mexicana*
 Eastern Bluebird *Sialia sialis*
 American Robin *Turdus migratorius*

Mockingbird, Thrashers & Relatives FAMILY MIMIDAE
 Gray Catbird *Dimetella carolinensis*
 Northern Mockingbird *Mimus polyglottos*
 Sage Thrasher *Oreoscoptes montanus*
 Curve-billed Thrasher *Toxostoma curvirostre*
 Brown Thrasher *Toxostoma rufum*

Pipits

FAMILY MOTACILLIDAE

- American Pipit *Anthus rubescens*
 Sprague's Pipit *Anthus spragueii*

Waxwings

FAMILY BOMBYCILLIDAE

- Cedar Waxwing *Bombycilla cedrorum*
 Bohemian Waxwing *Bombycilla garrulus*

Shrikes

FAMILY LANIIDAE

- Northern Shrike *Lanius excubitor*
 Loggerhead Shrike *Lanius ludovicianus*

Starling

FAMILY STURNIDAE

- European Starling *Sturnus vulgaris**

Vireos

FAMILY VIREONIDAE

- Black-capped Vireo *Vireo atricapillus*
 Bell's Vireo *Vireo bellii*
 Yellow-throated Vireo *Vireo flavifrons*
 Warbling Vireo *Vireo gilvus*
 White-eyed Vireo *Vireo griseus*
 Red-eyed Vireo *Vireo olivaceus*
 Philadelphia Vireo *Vireo philadelphicus*
 Solitary Vireo *Vireo solitarius*

Warblers, Sparrows, Orioles & Relatives

FAMILY EMBERIZIDAE

- Red-winged Blackbird *Agelaius phoeniceus*
 Bachman's Sparrow *Aimophila aestivalis*
 Cassin's Sparrow *Aimophila cassinii*
 Rufous-crowned Sparrow *Aimophila ruficeps*
 Baird's Sparrow *Ammodramus bairdii*
 Sharp-tailed Sparrow *Ammodramus caudacutus*
 Henslow's Sparrow *Ammodramus henslowii*
 LeConte's Sparrow *Ammodramus leconteii*
 Grasshopper Sparrow *Ammodramus savannarum*
 Sage Sparrow *Amphispiza belli*
 Black-throated Sparrow *Amphispiza bilineata*
 Lark Bunting *Calamospiza melanocorys*
 Lapland Longspur *Calcarius lapponicus*
 McCown's Longspur *Calcarius mccownii*
 Chestnut-collared Longspur *Calcarius ornatus*
 Smith's Longspur *Calcarius pictus*

Northern Cardinal	<i>Cardinalis cardinalis</i>
Pyrrhuloxia.....	<i>Cardinalis sinuatus</i>
Lark Sparrow	<i>Chondestes grammacus</i>
Black-throated Blue Warbler	<i>Dendroica caerulescens</i>
Bay-breasted Warbler	<i>Dendroica castanea</i>
Cerulean Warbler.....	<i>Dendroica cerulea</i>
Yellow-rumped Warbler	<i>Dendroica coronata</i>
Prairie Warbler	<i>Dendroica discolor</i>
Yellow-throated Warbler	<i>Dendroica dominica</i>
Blackburnian Warbler	<i>Dendroica fusca</i>
Magnolia Warbler.....	<i>Dendroica magnolia</i>
Black-throated Gray Warbler	<i>Dendroica nigrescens</i>
Hermit Warbler	<i>Dendroica occidentalis</i>
Palm Warbler	<i>Dendroica palmarum</i>
Chestnut-sided Warbler	<i>Dendroica pensylvanica</i>
Yellow Warbler	<i>Dendroica petechia</i>
Pine Warbler	<i>Dendroica pinus</i>
Blackpoll Warbler	<i>Dendroica striata</i>
Cape May Warbler.....	<i>Dendroica tigrina</i>
Townsend's Warbler	<i>Dendroica townsendi</i>
Black-throated Green Warbler	<i>Dendroica virens</i>
Bobolink	<i>Dolichonyx oryzivorus</i>
Rusty Blackbird.....	<i>Euphagus carolinus</i>
Brewer's Blackbird.....	<i>Euphagus cyanocephalus</i>
Common Yellowthroat	<i>Geothlypis trichas</i>
Blue Grosbeak	<i>Guiraca caerulea</i>
Worm-eating Warbler	<i>Helminthos vermivorus</i>
Yellow-breasted Chat	<i>Icteria virens</i>
Hooded Oriole	<i>Icterus cucullatus</i>
Northern Oriole	<i>Icterus galbula</i>
Scott's Oriole	<i>Icterus parisorum</i>
Orchard Oriole	<i>Icterus spurius</i>
Dark-eyed Junco	<i>Junco hyemalis</i>
Swainson's Warbler	<i>Limothlypis swainsonii</i>
Swamp Sparrow	<i>Melospiza georgiana</i>
Lincoln's Sparrow	<i>Melospiza lincolnii</i>
Song Sparrow	<i>Melospiza melodia</i>
Black-and-white Warbler	<i>Mniotilta varia</i>
Brown-headed Cowbird	<i>Molothrus ater</i>
Connecticut Warbler	<i>Oporornis agilis</i>
Kentucky Warbler	<i>Oporornis formosus</i>
Mourning Warbler	<i>Oporornis philadelphia</i>

MacGillivray's Warbler	<i>Oporornis tolmiei</i>
Northern Parula	<i>Parula americana</i>
Savannah Sparrow	<i>Passerculus sandwichensis</i>
Fox Sparrow	<i>Passerella iliaca</i>
Lazuli Bunting	<i>Passerina amoena</i>
Painted Bunting	<i>Passerina ciris</i>
Indigo Bunting	<i>Passerina cyanea</i>
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>
Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>
Green-tailed Towhee	<i>Pipilo chlorurus</i>
Rufous-sided Towhee	<i>Pipilo erythrophthalmus</i>
Canyon Towhee	<i>Pipilo fuscus</i>
Western Tanager	<i>Piranga ludoviciana</i>
Scarlet Tanager	<i>Piranga olivacea</i>
Summer Tanager	<i>Piranga rubra</i>
Snow Bunting	<i>Plectrophenax nivalis</i>
Vesper Sparrow	<i>Poocetes gramineus</i>
Prothonotary Warbler	<i>Protonotaria citrea</i>
Great-tailed Grackle	<i>Quiscalus mexicana</i>
Common Grackle	<i>Quiscalus quiscula</i>
Ovenbird	<i>Seiurus auroparillus</i>
Louisiana Waterthrush	<i>Seiurus motacilla</i>
Northern Waterthrush	<i>Seiurus noveboracensis</i>
American Redstart	<i>Setophaga ruticilla</i>
Dickcissel	<i>Spiza americana</i>
American Tree Sparrow	<i>Spizella arborea</i>
Brewer's Sparrow	<i>Spizella breweri</i>
Clay-colored Sparrow	<i>Spizella pallida</i>
Chipping Sparrow	<i>Spizella passerina</i>
Field Sparrow	<i>Spizella pusilla</i>
Eastern Meadowlark	<i>Sturnella magna</i>
Western Meadowlark	<i>Sturnella neglecta</i>
Orange-crowned Warbler	<i>Vermivora celata</i>
Golden-winged Warbler	<i>Vermivora chrysoptera</i>
Tennessee Warbler	<i>Vermivora peregrina</i>
Blue-winged Warbler	<i>Vermivora pinus</i>
Nashville Warbler	<i>Vermivora ruficapilla</i>
Virginia's Warbler	<i>Vermivora virginiae</i>
Canada Warbler	<i>Wilsonia canadensis</i>
Hooded Warbler	<i>Wilsonia citrina</i>
Wilson's Warbler	<i>Wilsonia pusilla</i>
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>

White-throated Sparrow	<i>Zonotrichia albicollis</i>
Golden-crowned Sparrow	<i>Zonotrichia atricapilla</i>
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>
Harris' Sparrow	<i>Zonotrichia querula</i>

Finches & Relatives

FAMILY FRINGILLIDAE

Common Redpoll	<i>Carduelis flammea</i>
Pine Siskin	<i>Carduelis pinus</i>
Lesser Goldfinch	<i>Carduelis psaltria</i>
American Goldfinch	<i>Carduelis tristis</i>
Cassin's Finch	<i>Carpodacus cassinii</i>
House Finch	<i>Carpodacus mexicanus</i>
Purple Finch	<i>Carpodacus purpureus</i>
Evening Grosbeak	<i>Coccothraustes vespertinus</i>
Red Crossbill	<i>Loxia curvirostra</i>
White-winged Crossbill	<i>Loxia leucoptera</i>
Pine Grosbeak	<i>Pinicola enucleator</i>

Old World Sparrow

FAMILY PASSERIDAE

House Sparrow	<i>Passer domesticus</i> *
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REPTILES

Turtles ORDER TESTUDINATA

Snapping Turtles	FAMILY CHELYDRIDAE
Snapping Turtle	<i>Chelydra serpentina</i>
Alligator Snapping Turtle	<i>Macrolemys temminckii</i>

Musk & Mud Turtles	FAMILY KINOSTERNIDAE
Yellow Mud Turtle	<i>Kinosternon flavescens</i>
Common Musk Turtle	<i>Sternotherus odoratus</i>

Basking & Box Turtles	FAMILY EMYDIDAE
Painted Turtle	<i>Chrysemys picta</i>
Common Map Turtle	<i>Graptemys geographica</i>
Mississippi Map Turtle	<i>Graptemys kolnii</i>
False Map Turtle	<i>Graptemys pseudogeographica</i>
River Cooter	<i>Pseudemys concinna</i>
Eastern Box Turtle	<i>Terrapene carolina</i>
Ornate Box Turtle	<i>Terrapene ornata</i>
Slider	<i>Trachemys scripta</i>

Softshells	FAMILY TRIONYCHIDAE
Smooth Softshell	<i>Apalone mutica</i>
Spiny Softshell	<i>Apalone spinifera</i>

Lizards ORDER LACERTILIA

Collared Lizard	FAMILY CROTAPHYTIDAE
Collared Lizard	<i>Crotaphytus collaris</i>

Prairie, Horned & Earless Lizards	FAMILY PHRYNOSOMATIDAE
Lesser Earless lizard	<i>Holbrookia maculata</i>
Texas Horned Lizard	<i>Phrynosoma cornutum</i>
Prairie Lizard	<i>Sceloporus undulatus</i>

Skinks	FAMILY SCINCIDAE
Coal Skink	<i>Eumeces anthracinus</i>
Five-lined Skink	<i>Eumeces fasciatus</i>
Broadhead Skink	<i>Eumeces laticeps</i>
Great Plains Skink	<i>Eumeces obsoletus</i>
Prairie Skink	<i>Eumeces septentrionalis</i>
Ground Skink	<i>Scincella lateralis</i>

Wall Lizard FAMILY LACERTIDAE
 Italian Wall Lizard *Podarcis sicula**

Racerunner FAMILY TEIIDAE
 Six-lined Racerunner *Cnemidophorus sexlineatus*

Glass Lizard FAMILY ANGUIDAE
 Slender Glass Lizard *Ophisaurus attenuatus*

Snakes ORDER SERPENTES

Blind Snake FAMILY LEPTOTYPHLOPIDAE
 Texas Blind Snake *Leptotyphlops dulcis*

Hognose Snakes & Relatives FAMILY XENODONTIDAE
 Western Worm Snake *Carphophis vermis*
 Ringneck Snake *Diadophis punctatus*
 Western Hognose Snake *Heterodon nasicus*
 Eastern Hognose Snake *Heterodon platirhinos*
 Night Snake *Hypsiglena torquata*
 Flathead Snake *Tantilla gracilis*
 Plains Blackhead Snake *Tantilla nigriceps*

Egg-Laying Harmless Snakes FAMILY COLUBRIDAE
 Glossy Snake *Arizona elegans*
 Racer *Coluber constrictor*
 Corn Snake *Elaphe guttata*
 Rat Snake *Elaphe obsoleta*
 Prairie Kingsnake *Lampropeltis calligaster*
 Common Kingsnake *Lampropeltis getula*
 Milk Snake *Lampropeltis triangulum*
 Coachwhip *Masticophis flagellum*
 Rough Green Snake *Opheodrys aestivus*
 Bullsnake *Pituophis catenifer*
 Longnose Snake *Rhinocheilus lecontei*
 Ground Snake *Sonora semiamulata*

Live-bearing Harmless Snakes FAMILY NATRICIDAE
 Plainbelly Water Snake *Nerodia erythrogaster*
 Diamondback Water Snake *Nerodia rhombifera*
 Northern Water Snake *Nerodia sipedon*
 Graham's Crayfish Snake *Regina grahamii*

Brown Snake	<i>Storeria dekayi</i>
Redbelly Snake	<i>Storeria occipitomaculata</i>
Checkered Garter Snake	<i>Thamnophis marcianus</i>
Western Ribbon Snake	<i>Thamnophis proximus</i>
Plains Garter Snake	<i>Thamnophis radix</i>
Common Garter Snake	<i>Thamnophis sirtalis</i>
Lined Snake	<i>Tropidoclonion lineatum</i>
Rough Earth Snake	<i>Virginia striatula</i>
Smooth Earth Snake	<i>Virginia valeriae</i>

Rattlesnakes & Copperhead

FAMILY VIPERIDAE

Copperhead	<i>Agkistrodon contortrix</i>
Timber Rattlesnake	<i>Crotalus horridus</i>
Western Rattlesnake	<i>Crotalus viridis</i>
Massasauga	<i>Sistrurus catenatus</i>



AMPHIBIANS

Salamanders ORDER CAUDATA

Mole Salamanders	FAMILY AMBYSTOMATIDAE
Smallmouth Salamander	<i>Ambystoma texanum</i>
Tiger Salamander	<i>Ambystoma tigrinum</i>

Newt	FAMILY SALAMANDRIDAE
Eastern Newt	<i>Notophthalmus viridescens</i>

Woodland Salamanders	FAMILY PLETHODONTIDAE
Longtail Salamander	<i>Eurycea longicauda</i>
Cave Salamander	<i>Eurycea lucifuga</i>
Many-ribbed Salamander	<i>Eurycea multiplicata</i>
Grotto Salamander	<i>Typhlotriton spelaeus</i>

Mudpuppy	FAMILY PROTEIDAE
Mudpuppy	<i>Necturus maculosus</i>

Frogs & Toads ORDER ANURA

Spadefoot	FAMILY PELOBATIDAE
Plains Spadefoot	<i>Spea bombifrons</i>

True Toads	FAMILY BUFONIDAE
American Toad	<i>Bufo americanus</i>
Great Plains Toad	<i>Bufo cognatus</i>
Green Toad	<i>Bufo debilis</i>
Red-spotted Toad	<i>Bufo punctatus</i>
Woodhouse's Toad	<i>Bufo woodhousii</i>

Cricket, Chorus & Treefrogs	FAMILY HYLIDAE
Northern Cricket Frog	<i>Acris crepitans</i>
Gray Treefrog	<i>Hyla chrysoscelis</i>
Cope's Gray Treefrog	<i>Hyla versicolor</i>
Spotted Chorus Frog	<i>Pseudacris clarkii</i>
Spring Peeper	<i>Pseudacris crucifer</i>
Boreal Chorus Frog	<i>Pseudacris maculata</i>
Strecker's Chorus Frog	<i>Pseudacris streckeri</i>
Western Chorus Frog	<i>Pseudacris triseriata</i>

True Frogs

FAMILY RANIDAE

Crawfish Frog	<i>Rana areolata</i>
Plains Leopard Frog	<i>Rana blairi</i>
Bullfrog	<i>Rana catesbeiana</i>
Green Frog	<i>Rana clamitans</i>
Pickerel Frog	<i>Rana palustris</i>
Southern Leopard Frog	<i>Rana utricularia</i>

Narrowmouth Toads

FAMILY MICROHYLIDAE

Eastern Narrowmouth Toad	<i>Gastrophryne carolinensis</i>
Plains Narrowmouth Toad	<i>Gastrophryne olivacea</i>



FISHES

Lamprey ORDER PETROMYZONTIFORMES

- Lamprey** FAMILY PETROMYZONTIDAE
 Chestnut Lamprey*Ichthyomyzon castaneus*

Sturgeons & Paddlefish ORDER ACIPENSERIFORMES

- Sturgeons** FAMILY ACIPENSERIDAE
 Lake Sturgeon*Acipenser fulvescens*
 Pallid Sturgeon*Scaphirhynchus albus*
 Shovelnose Sturgeon*Scaphirhynchus platyrhynchus*

- Paddlefish** FAMILY POLYODONTIDAE
 Paddlefish*Polyodon spathula*

Gars ORDER SEMIONOTIFORMES

- Gars** FAMILY LEPISOSTEIDAE
 Spotted Gar*Lepisosteus oculatus*
 Longnose Gar*Lepisosteus osseus*
 Shortnose Gar*Lepisosteus platostomus*

Bowfin ORDER AMIIFORMES

- Bowfin** FAMILY AMIIDAE
 Bowfin*Amia calva*

Freshwater Eel ORDER ANGUILLIFORMES

- Freshwater Eel** FAMILY ANGUILLIDAE
 American Eel*Anguilla rostrata*

Herring & Shads ORDER CLUPEIFORMES

- Herring & Shad** FAMILY CLUPEIDAE
 Skipjack Herring*Alosa chrysochloris*
 Gizzard Shad*Dorosoma cepedianum*
 Threadfin Shad*Dorosoma petenense**

Goldeye ORDER OSTEOGLOSSIFORMES

Goldeye	FAMILY HIODONTIDAE
Goldeye	<i>Hiodon alosoides</i>

Trouts & Relatives ORDER SALMONIFORMES

Trout	FAMILY SALMONIDAE
Brown Trout	<i>Salmo trutta</i> *
Rainbow Trout	<i>Oncorhynchus mykiss</i> *

Smelt	FAMILY OSMERIDAE
Rainbow Smelt	<i>Osmerus mordax</i> *

Pike	FAMILY ESOCIDAE
Northern Pike	<i>Esox lucius</i> *

Minnows & Suckers ORDER CYPRINIFORMES

Minnows, Shiners, Chubs & Relatives	FAMILY CYPRINIDAE
Stoneroller	<i>Campostoma anomalum</i>
Goldfish	<i>Carassius auratus</i> *
Grass Carp	<i>Ctenopharyngodon idella</i> *
Bluntnose Shiner	<i>Cyprinella camura</i>
Red Shiner	<i>Cyprinella lutrensis</i>
Spotfin Shiner	<i>Cyprinella spiloptera</i>
Common Carp	<i>Cyprinus carpio</i> *
Gravel Chub	<i>Erimystax x-punctata</i>
Speckled Chub	<i>Extrarius aestivalis</i>
Western Silvery Minnow	<i>Hybognathus argyritis</i>
Brassy Minnow	<i>Hybognathus hankinsoni</i>
Plains Minnow	<i>Hybognathus placitus</i>
Bigmouth Shiner	<i>Hybopsis dorsalis</i>
Bighead Carp	<i>Hypophthalmichthys nobilis</i> *
Cardinal Shiner	<i>Luxilus cardinalis</i>
Striped Shiner	<i>Luxilus chrysocephalus</i>
Common Shiner	<i>Luxilus cornutus</i>
Redfin Shiner	<i>Lythrurus umbratilis</i>
Sturgeon Chub	<i>Macrhybopsis gelida</i>
Sicklefin Chub	<i>Macrhybopsis meeki</i>
Silver Chub	<i>Macrhybopsis storeriana</i>
Redspot Chub	<i>Nocomis asper</i>

Hornyhead Chub	<i>Nocomis biguttatus</i>
Golden Shiner	<i>Notemigonus crysoleucas</i>
Emerald Shiner	<i>Notropis atherinoides</i>
Red River Shiner	<i>Notropis bairdi</i> *
River Shiner	<i>Notropis blennioides</i>
Bigeye Shiner	<i>Notropis boops</i>
Ghost Shiner	<i>Notropis buchmanii</i>
Pugnose Minnow	<i>Notropis emiliae</i>
Arkansas River Shiner	<i>Notropis girardi</i>
Blacknose Shiner	<i>Notropis heterolepis</i>
Ozark Minnow	<i>Notropis nubilis</i>
Rosyface Shiner	<i>Notropis rubellus</i>
Silverband Shiner	<i>Notropis shumardi</i>
Sand Shiner	<i>Notropis stramineus</i>
Topeka Shiner	<i>Notropis topeka</i>
Mimic Shiner	<i>Notropis volucellus</i>
Suckermouth Minnow	<i>Phenacobius mirabilis</i>
Southern Redbelly Dace	<i>Phoxinus erythrogaster</i>
Bluntnose Minnow	<i>Pimephales notatus</i>
Fathead Minnow	<i>Pimephales promelas</i>
Slim Minnow	<i>Pimephales tenellus</i>
Bullhead Minnow	<i>Pimephales vigilax</i>
Flathead Chub	<i>Platygobio gracilis</i>
Blacknose Dace	<i>Rhinichthys atratulus</i>
Rudd	<i>Scardinius erythrophthalmus</i> *
Creek Chub	<i>Semotilus atromaculatus</i>

Suckers, Buffaloes, Redhorses & Relatives

FAMILY CATOSTOMIDAE

River Carpsucker	<i>Carpionodes carpio</i>
Quillback	<i>Carpionodes cyprinus</i>
Highfin Carpsucker	<i>Carpionodes velifer</i>
White Sucker	<i>Catostomus commersonii</i>
Blue Sucker	<i>Cycleptus elongatus</i>
Hogsucker	<i>Hypentelium nigricans</i>
Bigmouth Buffalo	<i>Ictiobus cyprinellus</i>
Smallmouth Buffalo	<i>Ictiobus bubalus</i>
Black Buffalo	<i>Ictiobus niger</i>
Spotted Sucker	<i>Minytrema melanops</i>
River Redhorse	<i>Moxostoma carinatum</i>
Black Redhorse	<i>Moxostoma duquesnii</i>
Golden Redhorse	<i>Moxostoma erythrurum</i>
Shorthead Redhorse	<i>Moxostoma macrolepidotum</i>

Catfishes ORDER SILURIFORMES

Catfishes & Madtoms	FAMILY ICTALURIDAE
Blue Catfish	<i>Ictalurus furcatus</i>
Black Bullhead	<i>Ictalurus melas</i>
Yellow Bullhead	<i>Ictalurus natalis</i>
Brown Bullhead	<i>Ictalurus nebulosus</i> *
Channel Catfish	<i>Ictalurus punctatus</i>
Slender Madtom	<i>Noturus exilis</i>
Stonecat	<i>Noturus flavus</i>
Tadpole Madtom	<i>Noturus gyrinus</i>
Brindled Madtom	<i>Noturus miurus</i>
Freckled Madtom	<i>Noturus nocturnus</i>
Neosho Madtom	<i>Noturus placidus</i>
Flathead Catfish	<i>Pylodictis olivaris</i>

Codfish ORDER GADIFORMES

Codfish	FAMILY GADIDAE
Burbot	<i>Lota lota</i>

Topminnows & Relatives ORDER Atheriniformes

Topminnows & Relatives	FAMILY FUNDULIDAE
Northern Studfish	<i>Fundulus catenatus</i>
Blackstripe Topminnow	<i>Fundulus notatus</i>
Plains Topminnow	<i>Fundulus sciadicus</i>
Plains Killifish	<i>Fundulus zebrinus</i>

Mosquitofish	FAMILY POECILIIDAE
Mosquitofish	<i>Gambusia affinis</i> *

Silverside	FAMILY Atherinidae
Brook Silverside	<i>Labidesthes sicculus</i>

Basses, Sunfishes, Darters & Relatives ORDER PERCIFORMES

Temperate Basses	FAMILY MORONIDAE
White Bass	<i>Morone chrysops</i>
Striped Bass	<i>Morone saxatilis</i> *

Basses, Sunfishes, Crappies & Relatives	FAMILY CENTRARCHIIDAE
Rock Bass	<i>Ambloplites rupestris</i> *
Green Sunfish	<i>Lepomis cyanellus</i>
Warmouth	<i>Lepomis gulosus</i>
Orangespotted Sunfish	<i>Lepomis humilis</i>
Bluegill	<i>Lepomis macrochirus</i>
Longear Sunfish	<i>Lepomis megalotis</i>
Redear	<i>Lepomis microlophus</i> *
Smallmouth Bass	<i>Micropterus dolomieu</i>
Spotted Bass	<i>Micropterus punctulatus</i>
Largemouth Bass	<i>Micropterus salmoides</i>
White Crappie	<i>Pomoxis annularis</i>
Black Crappie	<i>Pomoxis nigromaculatus</i> *

Darters & Relatives	FAMILY PERCIDAE
Greenside Darter	<i>Etheostoma blennioides</i>
Bluntnose Darter	<i>Etheostoma chlorosomum</i>
Arkansas Darter	<i>Etheostoma cragini</i>
Fantail Darter	<i>Etheostoma flabellare</i>
Slough Darter	<i>Etheostoma gracile</i>
Least Darter	<i>Etheostoma microperca</i>
Johnny Darter	<i>Etheostoma nigrum</i>
Stippled Darter	<i>Etheostoma punctulatum</i>
Orangethroat Darter	<i>Etheostoma spectabile</i>
Speckled Darter	<i>Etheostoma stigmaeum</i>
Redfin Darter	<i>Etheostoma whipplii</i>
Banded Darter	<i>Etheostoma zonale</i>
Yellow Perch	<i>Perca flavescens</i> *
Logperch	<i>Percina caprodes</i>
Channel Darter	<i>Percina copelandi</i>
Blackside Darter	<i>Percina maculata</i>
Slenderhead Darter	<i>Percina phoxocephala</i>
River Darter	<i>Percina shumardi</i>
Walleye	<i>Stizostedion vitreum</i> *
Sauger	<i>Stizostedion canadense</i>

Drum	FAMILY SCIAENIDAE
Freshwater Drum	<i>Aplodinotus grunniens</i>

Cichlids	FAMILY CICHLIDAE
Tilapia	<i>Sarotherodon</i> sp.*

Sculpins	FAMILY COTTIDAE
Banded Sculpin	<i>Cottus caroliniae</i>

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BIBLIOGRAPHY

- American Ornithologist's Union. 1983. Check-list of North American Birds. Sixth Edition. xxix + 877 pp. Allen Press, Lawrence, Kansas.
- Bee, J. W., G. E. Glass, R. S. Hoffmann, and R. R. Patterson. 1981. Mammals in Kansas. Univ. Kansas Mus. Nat. Hist. Pub. Ed. Series 7: 1-300.
- Collins, J. T. 1982. Amphibians and Reptiles in Kansas. Second Edition. Univ. Kansas Mus. Nat. Hist. Pub. Ed. Series 8: 1-356.
- Collins, J. T. 1990. Standard Common and Current Scientific Names for North American Amphibians and Reptiles. Third Edition. SSAR Herp. Circ. 19: 1-41.
- Cross, F. B. and J. T. Collins. 1975. Fishes in Kansas. Univ. Kansas Mus. Nat. Hist. Pub. Ed. Series 3: 1-189.
- Jones, J. K., Jr., D. C. Carter, H. H. Genoways, R. S. Hoffmann, D. W. Rice, & C. Jones. 1986. Revised Checklist of North American Mammals North of Mexico, 1986. Occ. Papers Mus. Texas Tech. Univ. 107: 1-22.
- Robins, C. R., R. M. Bailey, C. E. Bond, J. R. Brooker, E. A. Lachner, R. N. Lea, & W. B. Scott. 1980. A List of Common and Scientific Names of Fishes from the United States and Canada. Fourth Edition. American Fisheries Soc. Spec. Publ. 12: 1-174.
- Thompson, M. C. and C. Ely. 1989. Birds in Kansas Volume One. Univ. Kansas Mus. Nat. Hist. Pub. Ed. Series 11: 1-404.
- Thompson, M. C. and C. Ely. 1992. Birds in Kansas Volume Two. Univ. Kansas Mus. Nat. Hist. Pub. Ed. Series. In press.

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Soricidae	2
<i>Spea</i>	23
<i>Spermophilus</i>	3
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<i>Tyrannus</i>	14
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