
Updated and Revised Checklist of the Mammals of Oklahoma, 2019

William Caire

Biology Department, University of Central Oklahoma, Edmond, OK 73031

Lynda Samanie Loucks

Biology Department, University of Central Oklahoma, Edmond, OK 73031

Michelle L. Haynie

Biology Department, University of Central Oklahoma, Edmond, OK 73031

Brandi S. Coyner

Sam Noble Oklahoma Museum of Natural History, Department of Mammalogy, Norman, OK 73072

Janet K. Braun

Sam Noble Oklahoma Museum of Natural History, Department of Mammalogy, Norman, OK 73072

Abstract: An updated list of the mammals of Oklahoma was compiled from literature records, sight records, and museum specimens. A total of 108 native species, 4 extirpated species, and 5 introduced/exotic species are reported.

Introduction

In a checklist of mammals of Oklahoma (Caire et al. 1989), a total of 106 species of mammals were listed as occurring in Oklahoma, including 4 extirpated and 4 introduced species. In 1998, an updated checklist was published (Choate and Jones 1998) listing 111 species of mammals including 4 extirpated and 7 introduced/exotic species. Since the publication by Caire et al. (1989) and the updated checklist of Choate and Jones (1998), there have been several changes in distributional occurrences and nomenclature of mammal species found in Oklahoma that have been documented in various scientific and lay literature. The checklist below updates the earlier lists and contains 117 species of mammals, including 4 extirpated species and 5 introduced/exotic species. Both scientific and common names are provided. Six species (*Blarina brevicauda*, *Sorex longirostris*, *Eumops perotis*, *Ovis canadensis*, *Geomys*

jugossicularis, and *Perognathus merriami*), not included in the most recent checklist of Choate and Jones (1998), have been verified as occurring in the state. Choate and Jones (1998) included the domestic dog and cat as introduced/exotic species which we did not. This document has been created in part to assist those working with the many different and varied aspects related to the state's mammals. It will provide a common point of reference and terminology.

Methods

To compile the updated list, we began with Caire et al. (1989) and examined the literature for any occurrence of a species not previously reported from the state. We also examined museum specimens from many university and institution holdings for any new occurrences. In the checklist, the sequence of orders are presented following Wilson and Reeder (2005). The families, genera, and species are listed alphabetically. Bradley et al. (2019) suggested a nomenclatural change of *Peromyscus*

<i>Eptesicus fuscus</i>	Big Brown Bat
<i>Lasionycteris noctivagans</i>	Silver-haired Bat
<i>Lasiurus borealis</i>	Eastern Red Bat
<i>Lasiurus cinereus</i>	Hoary Bat
<i>Lasiurus seminolus</i>	Seminole Bat
<i>Myotis austroriparius</i>	Southeastern Myotis
<i>Myotis ciliolabrum</i>	Western Small-footed Myotis
<i>Myotis grisescens</i>	Gray Myotis
<i>Myotis leibii</i>	Eastern Small-footed Myotis
<i>Myotis lucifugus</i>	Little Brown Myotis
<i>Myotis septentrionalis</i>	Northern Long-eared Myotis
<i>Myotis sodalis</i>	Indiana Myotis
<i>Myotis velifer</i>	Cave Myotis
<i>Myotis yumanensis</i>	Yuma Myotis
<i>Nycticeius humeralis</i>	Evening Bat
<i>Parastrellus hesperus</i>	American Parastrelle
<i>Perimyotis subflavus</i>	American Perimyotis

Order CARNIVORA – Carnivores

Family: Canidae – Dogs, Foxes, and Wolves

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

Family: Felidae – Cats

<i>Lynx rufus</i>	Bobcat
<i>Puma concolor</i>	Mountain Lion

Family: Mephitidae – Skunks

<i>Conepatus leuconotus</i>	American Hog-nosed Skunk
<i>Mephitis mephitis</i>	Striped Skunk
<i>Spilogale gracilis</i>	Western Spotted Skunk
<i>Spilogale putorius</i>	Eastern Spotted Skunk

Family: Mustelidae – Weasels, Otters, and Badgers

<i>Lontra canadensis</i>	Northern River Otter
<i>Mustela frenata</i>	Long-tailed Weasel
^E <i>Mustela nigripes</i>	Black-footed Ferret
<i>Mustela nivalis</i>	Least Weasel

	<i>Vison vison</i>	American Mink
	<i>Taxidea taxus</i>	American Badger
Family: Procyonidae – Raccoons, Ringtails, and Coatis		
	<i>Bassariscus astutus</i>	Ringtail
	<i>Procyon lotor</i>	Northern Raccoon
Family: Ursidae – Bears		
	<i>Ursus americanus</i>	American Black Bear
	^E <i>Ursus arctos</i>	Grizzly (Brown) Bear
Order ARTIODACTYLA – Even-toed Ungulates		
Family: Antilocapridae – Pronghorn		
	<i>Antilocapra americana</i>	Pronghorn
Family: Bovidae – Cattle, Antelope, Sheep, Goats, and African Exotics		
	<i>Bison bison</i>	American Bison
	<i>Ovis canadensis</i>	Bighorn Sheep
Family: Cervidae – Deer		
	<i>Odocoileus hemionus</i>	Mule Deer
	<i>Odocoileus virginianus</i>	White-tailed Deer
	<i>Cervus canadensis</i>	Elk
Family: Suidae – Pigs		
	¹ <i>Sus scrofa</i>	Feral Pig
Family: Tayassuidae – Peccaries		
	<i>Pecari tajacu</i>	Collared Peccary
Order RODENTIA – Rodents		
Family: Castoridae – Beavers		
	<i>Castor canadensis</i>	American Beaver
Family: Cricetidae – New World Mice, Rats, and Voles		
	<i>Baiomys taylori</i>	Northern Pygmy Mouse
	<i>Microtus ochrogaster</i>	Prairie Vole
	<i>Microtus pinetorum</i>	Woodland Vole
	<i>Neotoma floridana</i>	Eastern Woodrat
	<i>Neotoma leucodon</i>	White-toothed Woodrat
	<i>Neotoma mexicana</i>	Mexican Woodrat
	<i>Neotoma micropus</i>	Southern Plains Woodrat
	<i>Ochrotomys nuttalli</i>	Golden Mouse
	<i>Ondatra zibethicus</i>	Common Muskrat
	<i>Onychomys leucogaster</i>	Northern Grasshopper Mouse
	<i>Oryzomys texensis</i>	Texas Marsh Rice Rat
	<i>Peromyscus attwateri</i>	Texas Deer mouse

<i>Peromyscus boylii</i>	Brush Deermouse
<i>Peromyscus gossypinus</i>	Cotton Deermouse
<i>Peromyscus laceianus</i>	Lacey's White-ankled Deermouse
<i>Peromyscus leucopus</i>	White-footed Deermouse
<i>Peromyscus maniculatus</i>	North American Deermouse
<i>Peromyscus nasutus</i>	Northern Rock Deermouse
<i>Peromyscus truei</i>	Piñon Deermouse
<i>Reithrodontomys fulvescens</i>	Fulvous Harvest Mouse
<i>Reithrodontomys humulis</i>	Eastern Harvest Mouse
<i>Reithrodontomys megalotis</i>	Western Harvest Mouse
<i>Reithrodontomys montanus</i>	Plains Harvest Mouse
<i>Sigmodon hispidus</i>	Hispid Cotton Rat
Family: Dipodidae – Jumping Mice	
<i>Zapus hudsonius</i>	Meadow Jumping Mouse
Family: Echimyidae – Coypus	
¹ <i>Myocastor coypus</i>	Nutria
Family: Erethizontidae – New World Porcupines	
<i>Erethizon dorsatum</i>	North American Porcupine
Family: Geomyidae – Pocket Gophers	
<i>Cratogeomys castanops</i>	Yellow-faced Pocket Gopher
<i>Geomys breviceps</i>	Baird's Pocket Gopher
<i>Geomys bursarius</i>	Plains Pocket Gopher
<i>Geomys jugossicularis</i>	Hall's Pocket Gopher
Family: Heteromyidae – Pocket Mice and Kangaroo Rats	
<i>Chaetodipus hispidus</i>	Hispid Pocket Mouse
<i>Dipodomys elator</i>	Texas Kangaroo Rat
<i>Dipodomys ordii</i>	Ord's Kangaroo Rat
<i>Perognathus flavescens</i>	Plains Pocket Mouse
<i>Perognathus flavus</i>	Silky Pocket Mouse
<i>Perognathus merriami</i>	Merriam's Pocket Mouse
Family: Muridae – Old World Mice and Rats	
¹ <i>Mus musculus</i>	House Mouse
¹ <i>Rattus norvegicus</i>	Norway (Brown) Rat
¹ <i>Rattus rattus</i>	Black Rat
Family: Sciuridae – Squirrels	
<i>Cynomys ludovicianus</i>	Black-tailed Prairie Dog
<i>Glaucomys volans</i>	Southern Flying Squirrel
<i>Ictidomys tridecemlineatus</i>	Thirteen-lined Ground Squirrel

<i>Marmota monax</i>	Woodchuck
<i>Otospermophilus variegatus</i>	Rock Squirrel
<i>Sciurus carolinensis</i>	Eastern Gray Squirrel
<i>Sciurus niger</i>	Eastern Fox Squirrel
<i>Tamias quadrivittatus</i>	Colorado Chipmunk
<i>Tamias striatus</i>	Eastern Chipmunk
<i>Xerospermophilus spilosoma</i>	Spotted Ground Squirrel

Acknowledgments

We appreciate all the individuals who have examined taxonomic relationships of various species and those who have worked in the field and verified the occurrence of the species listed above.

References

- Bradley, RD, Ammerman, LK, Baker, RJ, Bradley, LC, Cook, JA, Dowler, RC, Jones, C, Schmidly, DJ, Stangl, Jr., FB, Van Den Bussche, RA, Würsig, B. 2014. Revised checklist of North American mammals north of Mexico, 2014. Occasional Papers, Museum of Texas Tech University 327:1-27.
- Bradley, RD, Francis, JQ, Platt II, RN, Soniat, TJ, Alvarez, D, Lindsey, LL. 2019. Mitochondrial DNA sequence data indicate evidence for multiple species within *Peromyscus maniculatus*. Special Publications, Museum of Texas Tech University 70:1-59.
- Caire, W, Tyler, JD, Glass, BP, Mares, MA. 1989. Mammals of Oklahoma. Norman (OK): University of Oklahoma Press. 567 p.
- Choate, LL, Jones, C. 1998. Annotated checklist of recent land mammals of Oklahoma. Occasional Papers, Museum of Texas Tech University 181:1-13.
- Wilson, DE, Cole, FR. 2000. Common names of mammals of the world. Washington (DC): Smithsonian University Press. 204 p.
- Wilson, DE, Reeder, DM. 2005. Mammal species of the world: A taxonomic and geographic reference, 3rd ed. Baltimore (MD): Johns Hopkins University Press. 2142 p.