

## Vertebrates (excluding Fish) of the Verde River Watershed Discussed in the Biological Inventory

### Amphibians

#### Salamanders

##### Native Taxa

Arizona tiger salamander                      *Ambystoma mavortium nebulosum*

#### Anurans

##### Native Taxa

New Mexico spadefoot                      *Spea multiplicata*  
Couch's spadefoot                      *Scaphiopus couchii*  
Red-spotted toad                      *Anaxyrus punctatus*  
Arizona toad                      *Anaxyrus microscaphus*  
Woodhouse's toad                      *Anaxyrus woodhousii woodhousii* X *A. w. australis*  
Great Plains toad                      *Anaxyrus cognatus*  
Sonoran Desert toad                      *Incilius alvarius*  
Canyon tree frog                      *Hyla arenicolor*  
Arizona treefrog                      *Hyla wrightorum*  
Boreal chorus frog                      *Pseudacris maculata*  
Northern leopard frog                      *Lithobates pipiens*  
Lowland leopard frog                      *Lithobates yavapaiensis*  
Chiricahua leopard frog                      *Lithobates chiricahuensis*

##### Introduced Taxa

Bullfrog                      *Lithobates catesbeiana*

#### Arizona Amphibians Not in Verde, Discussed in Proposal

N = Native      I = Introduced

Sonoran tiger salamander (N)                      *Ambystoma mavortium stebbinsi*  
Barred tiger salamander (I)                      *Ambystoma mavortium mavortium*  
Western barking frog (N)                      *Craugastor augusti cactorum*

# Reptiles

## Chelonians

### Native Taxa

Sonoran mud turtle *Kinosternon sonoriense*  
Desert tortoise *Gopherus agassizii*

### Introduced Taxa

Red-eared slider *Trachemys scripta elegans*  
Northern painted turtle *Chrysemys picta*  
possibly also:  
Southern painted turtle *Chrysemys dorsalis*  
Texas spiny softshell *Apalone spinifera emory*  
Common snapping turtle *Chelydra serpentina*

## Lizards

### Native Species

Eastern collar lizard *Crotaphytus collaris*  
Longnose leopard lizard *Gambelia wislizenii*  
Southwestern earless lizard *Cophosaurus texanus scitulus*  
Speckled earless lizard *Holbrookia maculata campi*  
Tree lizard *Urosaurus ornatus*  
Brush lizard *Urosaurus graciosus*  
California side-blotched lizard *Uta stansburiana elegans*  
Northern plateau lizard *Sceloporus tristichus*  
Desert spiny lizard *Sceloporus magister*  
Sonoran spiny lizard *Sceloporus clarkii clarkii*  
Plateau spiny lizard *Sceloporus clarkii vallaris*  
Mountain short-horned lizard *Phrynosoma hernandesi*  
Regal horned lizard *Phrynosoma solare*  
Southern desert horned lizard *Phrynosoma platyrhinos calidiarum*  
Plateau striped whiptail *Aspidoscelis velox*  
Desert grassland whiptail *Aspidoscelis uniparens*  
Gila spotted whiptail *Aspidoscelis flagellicauda*  
Pai striped whiptail *Aspidoscelis pai*  
Southern whiptail *Aspidoscelis tigris punctilinealis*  
Variable skink *Plestiodon multivirgatus epipleurotus*  
Arizona skink *Plestiodon gilberti arizonensis*  
Great Plains skink *Plestiodon obsoletus*  
Arizona alligator lizard *Elgaria kingii nobilis*  
Tucson banned gecko *Coleonyx variegatus bogerti*

Bezy's night lizard  
Arizona zebratail lizard  
Desert iguana  
Chuckwalla  
Reticulate gila monster

*Xantusia bezy*  
*Callisaurus draconoides ventralis*  
*Dipsosaurus dorsalis*  
*Sauromalus ater*  
*Heloderma suspectum suspectum*

## **Snakes**

### **Native Species**

Southwestern blind snake  
Ground snake  
Southwestern blackhead snake  
Regal ringneck snake  
Desert night snake  
Sonoran lyre snake  
Sonoran gopher snake  
Arizona glossy snake  
Desert patchnose snake  
Mountain patchnose snake  
Desert striped whipsnake  
Sonoran whipsnake  
Red coachwhip  
Longnose snake  
California kingsnake  
Arizona mountain kingsnake  
Utah milksnake  
Wandering gartersnake  
Western blackneck gartersnake  
Northern mexican gartersnake  
Narrowhead gartersnake  
Western sandsnake  
Spotted leafnose snake  
Saddled leafnose snake  
Arizona coral snake  
Western diamondback rattlesnake  
Mohave rattlesnake  
Blacktail rattlesnake  
Arizona black rattlesnake  
Prairie rattlesnake  
Tiger rattlesnake  
Sonoran sidewinder

*Rena humilis humilis*  
*Sonora semiannulata*  
*Tantilla hobartsmithi*  
*Diadophis punctatus regalis*  
*Hypsiglena chlorophaea*  
*Trimorphodon lambda*  
*Pituophis catenifer affinis*  
*Arizona occidentalis noctivaga*  
*Salvadora hexalepis hexalepis*  
*Salvadora grahamiae grahamiae*  
*Masticophis taeniatus taeniatus*  
*Masticophis bilineatus*  
*Masticophis flagellum piceus*  
*Rhinocheilus lecontei*  
*Lampropeltis getula californiae*  
*Lampropeltis pyromelana pyromelana*  
*Lampropeltis triangulum taylori*  
*Thamnophis elegans vagrans*  
*Thamnophis cyrtopsis cyrtopsis*  
*Thamnophis eques megalop*  
*Thamnophis rufipunctatus*  
*Chilomeniscus stramineus*  
*Phyllorhynchus decurtatu*  
*Phyllorhynchus browni*  
*Micruroides euryxanthus euryxanthus*  
*Crotalus atrox*  
*Crotalus scutulatus scutulatus*  
*Crotalus molossus molossu*  
*Crotalus cerberu*  
*Crotalus viridis*  
*Crotalus tigris*  
*Crotalus cerastes cercobombu*

# Mammals

## Ungulates

### Native Species

Collared peccary (javelina)	<i>Pecari tajacu</i>
Mule deer	<i>Odocoileus hemionus</i>
Coues' white-tailed deer	<i>Odocoileus virginianus couesi</i>
Elk	<i>Cervus canadensis</i>
Pronghorn	<i>Antilocapra americana</i>

### Introduced Species

Domestic cattle	<i>Bos taurus</i>
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## Carnivores, Native Species

Coyote	<i>Canis latrans</i>
Gray fox	<i>Urocyon cinereoargenteus</i>
Kit fox	<i>Vulpes macrotis</i>
Black bear	<i>Ursus americanus</i>
Raccoon	<i>Procyon lotor</i>
Ring-tailed cat	<i>Bassariscus astutus</i>
Coati	<i>Nasua narica</i>
Long-tailed weasel	<i>Mustela frenata</i>
Black-footed ferret	<i>Mustela nigripes</i>
Badger	<i>Taxidea taxus</i>
Striped skunk	<i>Mephitis mephitis</i>
Hooded skunk	<i>Mephitis macroura</i>
Hog-nosed skunk	<i>Mephitis leuconotus</i>
Spotted skunk	<i>Spilogale gracilis</i>
River otter	<i>Lontra canadensis</i>
Mountain lion	<i>Puma concolor</i>
Bobcat	<i>Lynx rufus</i>

## Extirpated in Verde Watershed

E = Extinct Globally

Mexican wolf	<i>Canis lupus baileyi</i>
Southern rocky mountains wolf (E)	<i>Canis lupus youngi</i>
Great basin wolf	
Grizzly (brown) bear	<i>Ursus arctos</i>
Jaguar	<i>Panthera onca</i>
Ocelot	<i>Leopardus pardalis</i>

**Sciurids,  
Native Species**

Cliff chipmunk	<i>Neotamias dorsalis</i>
Gray-collared chipmunk	<i>Neotamias cinereicollis</i>
Harris' antelope squirrel	<i>Ammospermophilus harrisi</i>
Rock squirrel	<i>Spermophilus variegates</i>
Spotted ground squirrel	<i>Spermophilus spilosoma</i>
Round-tailed ground squirrel	<i>Spermophilus tereticaudus</i>
Golden-mantled ground squirrel	<i>Spermophilus lateralis</i>
Abert's Squirrel	<i>Sciurus aberti</i>
Arizona gray squirrel	<i>Sciurus arizonensis</i>
Red squirrel	<i>Tamiasciurus hudsonicus</i>
Gunnison's prairie dog	<i>Cynomys gunnisoni</i>

**Pocket Gophers  
Native Species**

Botta's pocket gopher	<i>Thomomys bottae</i>
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**Mice  
Native Species**

Western harvest mouse	<i>Reithrodontomys megalotis</i>
Plains harvest mouse	<i>Reithrodontomys montanus</i>
Northern grasshopper mouse	<i>Onychomys leucogaster</i>
Southern grasshopper mouse	<i>Onychomys torridus</i>
Brush mouse	<i>Peromyscus boylii</i>
Sonoran deer mouse	<i>Peromyscus maniculatus sonoriensis</i>
White-footed mouse	<i>Peromyscus leucopus</i>
Cactus mouse	<i>Peromyscus eremicus</i>
Pinyon mouse	<i>Peromyscus truei</i>
Mogollon vole	<i>Microtus mogollonensis</i>
Long-tailed vole	<i>Microtus longicaudus</i>

**Introduced Species**

House mouse	<i>Mus musculus</i>
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**Rats  
Native Species**

White-throated woodrat	<i>Neotoma albigula</i>
Stephen's woodrat	<i>Neotoma stephensi</i>
Mexican woodrat	<i>Neotoma mexicana</i>
Arizona cotton rat	<i>Sigmodon arizonae</i>

### **Introduced Species**

Not included in analysis: Status in Verde Watershed and Arizona not well known,  
Restricted to urban, rural, and agriculture habitats

Norway rat	<i>Rattus norvegicus</i>
Black rat	<i>Rattus rattus</i>

### **Heteromyids, Native Species**

Arizona pocket mouse	<i>Perognathus amplus</i>
Silky pocket mouse	<i>Perognathus flavus</i>
Bailey's pocket mouse	<i>Chaetodipus baileyi</i>
Rock pocket mouse	<i>Chaetodipus intermedius</i>
Hispid pocket mouse	<i>Chaetodipus hispidus</i>
Sonoran desert pocket mouse	<i>Chaetodipus penicillatus</i>
Ord's kangaroo rat	<i>Dipodomys ordii</i>
Merriam's kangaroo rat	<i>Dipodomys merriami</i>

### **Large Rodents**

#### **Native Species**

Beaver	<i>Castor canadensis</i>
Muskrat	<i>Ondatra zibethicus</i>
Porcupine	<i>Erethizon dorsatum</i>

### **Lagomorphs**

#### **Native Species**

Eastern cottontail	<i>Sylvilagus floridanus</i>
Desert cottontail	<i>Sylvilagus audubonii</i>
Black-tailed jackrabbit	<i>Lepus californicus</i>

### **Insectivores**

#### **Native Species**

Merriam's shrew	<i>Sorex merriami</i>
Dusky shrew	<i>Sorex monticolus</i>
Dwarf shrew	<i>Sorex nanus</i>
Desert shrew	<i>Notiosorex crawfordi</i>

### **Bats**

#### **Native Species**

Myotis are also known as Little Brown Bats

Southwestern myotis	<i>Myotis auriculus</i>
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California myotis	<i>Myotis californicus</i>
Western Small-footed myotis	<i>Myotis ciliolabrum</i>
Long-eared myotis	<i>Myotis evotis</i>
Arizona myotis	<i>Myotis occultus</i>
Fringed myotis	<i>Myotis thysanodes</i>
Cave myotis	<i>Myotis velifer</i>
Long-legged myotis	<i>Myotis volans</i>
Yuma myotis	<i>Myotis yumanensis</i>
Western red bat	<i>Lasiurus blossevillii</i>
Western yellow bat	<i>Lasiurus xanthinus</i>
Hoary bat	<i>Lasiurus cinereus</i>
Silver-haired bat	<i>Lasionycteris noctivigans</i>
Western pipistrelle	<i>Pipistrellus hesperus</i>
Big brown bat	<i>Eptesicus fuscus</i>
Spotted bat	<i>Euderma maculatum</i>
Townsend's big-eared bat	<i>Corynorhinus townsendii</i>
Allen's big-eared bat	<i>Idionycteris phyllotis</i>
Pallid bat	<i>Antrozous pallidus</i>
Brazilian free-tailed bat	<i>Tadarida brasiliensis</i>
Pocketed free-tailed bat	<i>Nyctinomops femorosaccus</i>
Big free-tailed bat	<i>Nyctinomops macrotis</i>
Western bonneted bat	<i>Eumops perotis</i>
California leaf-nosed bat	<i>Macrotus californicus</i>
Southern long-nosed bat	<i>Leptonycteris curasoae</i>

## Birds

Scientific names are not provided for three important reasons:

The bird-watching public provides most of the field data on birds

Common names have been more stable and consistent than scientific names

Readily available field guides are in common use, and all provide scientific names

Commonly used field guides and among the best are:

The Sibley Field Guide to Birds of Western North America, David Allen Sibley, 2003

National Geographic Field Guide to Birds of North America, 5<sup>th</sup> edition, 2006

Birds of Western North America: A Photographic Guide, Paul Sterry & Brian E. Small, 2009

Peterson Field Guide to Birds of Western North America, 4<sup>th</sup> edition, Roger Tory Peterson, 2010

Native Species, Unless Noted as Introduced

### Waterfowl (N=28)

Canada goose

Wood duck

American wigeon

Mallard

Gadwall

Northern shoveler  
Cinnamon teal  
Green-winged teal  
Northern pintail  
Redhead  
Canvasback  
Ring-necked duck  
Lesser scaup  
Bufflehead  
Common goldeneye  
Ruddy duck  
Common merganser  
Common loon  
Pied-billed grebe  
Eared grebe  
Western grebe  
Clark's grebe  
White pelican  
Double-crested cormorant  
Ring-billed gull  
Bonaparte's gull  
Forster's tern  
Black tern

**Aquatic (N=35)**

Great blue heron  
Green heron  
Black-crowned night heron  
American bittern  
Least bittern  
Great egret  
Snowy egret  
White-faced ibis  
Virginia rail  
Sora  
Common moorhen  
American coot  
Killdeer  
Semipalmated plover  
Snowy plover  
American avocet  
Black-necked stilt  
Spotted sandpiper  
Solitary sandpiper  
Lesser yellowlegs  
Greater yellowlegs



Willet  
Marbled godwit  
Long-billed curlew  
Whimbrel  
Western sandpiper  
Least sandpiper  
Pectoral sandpiper  
Baird's sandpiper  
Dunlin  
Long-billed dowitcher  
Wilson's snipe  
Wilson's phalarope  
Red-necked phalarope  
Belted kingfisher

**Game (N=9)**

Wild turkey  
Gambel's quail  
Blue grouse  
Band-tailed pigeon  
Mourning dove  
White-winged dove  
Inca dove  
Common ground dove  
Ruddy ground dove

**Aerial (N=12)**

Common nighthawk  
Lesser nighthawk  
Whip-poor-will  
Common poorwill  
White-throated swift  
Purple martin  
Tree swallow  
Violet-green swallow  
Northern rough-winged swallow  
Cliff swallow  
Barn swallow  
Bank swallow

**Raptors (N=31)**

Turkey vulture  
Bald eagle  
Golden eagle  
Osprey  
Mississippi kite

Northern harrier  
Sharp-shinned hawk  
Cooper's hawk  
Northern goshawk  
Gery hawk  
Black hawk  
Harris' hawk  
Zone-tailed hawk  
Swainson's hawk  
Red-tailed hawk  
Ferruginous hawk  
Rough-legged hawk  
American kestrel  
Peregrine falcon  
Prairie falcon  
Merlin  
Barn owl  
Great horned owl  
Western screech owl  
Flammulated owl  
Northern Pigmy owl  
Elf owl  
Burrowing owl  
Mexican spotted owl  
Long-eared owl  
Northern saw-whet owl

**Hummingbirds (N=7)**

Black-chinned hummingbird  
Anna's hummingbird  
Costa's hummingbird  
Broad-tailed hummingbird  
Magnificent hummingbird  
Rufous hummingbird  
Calliope hummingbird

**Corvids (N=7)**

Western scrub jay  
Steller's jay  
Mexican jay  
Pinyon jay  
Clark's nutcracker  
Common raven  
American crow

**Woodpeckers (N=11)**

Acorn woodpecker  
Ladder-backed woodpecker  
Gila woodpecker  
Lewis' woodpecker  
Hairy woodpecker  
Downy woodpecker  
American three-toed woodpecker  
Red-shafted flicker  
Gilded flicker  
Red-naped sapsucker  
Williamson's sapsucker

**Flycatchers (N=17)**

Olive-sided flycatcher  
Greater pewee  
Western wood pewee  
Vermilion flycatcher  
Southwestern willow flycatcher  
Gray flycatcher  
Dusky flycatcher  
Cordilleran flycatcher  
Hammond's flycatcher  
Say's phoebe  
Black phoebe  
Brown-crested flycatcher  
Dusky-capped flycatcher  
Ash-throated flycatcher  
Sulphur-bellied flycatcher  
Western kingbird  
Cassin's kingbird

**Large Insectivores (N=30)**

Greater roadrunner  
Yellow-billed cuckoo  
Loggerhead shrike  
Bell's vireo  
Gray vireo  
Plumbeous vireo  
Hutton's vireo  
Warbling vireo  
Western bluebird  
Mountain bluebird  
Townsend's solitaire  
Swainson's thrush

Hermit thrush  
American robin  
Northern Mockingbird  
Sage thrasher  
Bendire's thrasher  
Curve-billed thrasher  
Crissal thrasher  
Hepatic tanager  
Summer tanager  
Western tanager  
Spotted towhee  
Canyon towhee  
Abert's towhee  
Green-tailed towhee  
American pipit  
Phainopepla  
Cedar waxwing  
European starling, introduced

**Small Insectivores (N=39)**

Olive warbler  
Orange-crowned warbler  
Virginia's warbler  
Lucy's warbler  
Yellow warbler  
Yellow-rumped warbler  
Black-throated gray warbler  
Grace's warbler  
MacGillivray's warbler  
Common yellowthroat  
Red-faced warbler  
Painted redstart  
Yellow-breasted chat  
Nashville warbler  
Townsend's warbler  
Hermit warbler  
Wilson's warbler  
Northern waterthrush  
Mountain chickadee  
Bridled titmouse  
Juniper titmouse  
Bushtit  
Verdin  
White-breasted nuthatch  
Red-breasted nuthatch  
Pygmy nuthatch

Brown creeper  
Cactus wren  
Rock wren  
Canyon wren  
Bewick's wren  
House wren  
Winter wren  
Marsh wren  
American dipper  
Golden-crowned kinglet  
Ruby-crowned kinglet  
Blue-gray gnatcatcher  
Black-tailed gnatcatcher

**Granivores (N=33)**

Cassin's sparrow  
Rufous-crowned sparrow  
Chipping sparrow  
Brewer's sparrow  
Black-chinned sparrow  
Vesper sparrow  
Lark sparrow  
Black-throated sparrow  
Song sparrow  
Lincoln's sparrow  
Sage sparrow  
Savannah sparrow  
Grasshopper sparrow  
Fox sparrow  
White-crowned sparrow  
Oregon junco  
Rocky mountain gray-headed junco  
Southwestern gray-headed junco  
House finch  
Cassin's finch  
Pine siskin  
Lesser goldfinch  
American goldfinch  
Lawrence's goldfinch  
Red crossbill  
Northern cardinal  
Black-headed grosbeak  
Blue grosbeak  
Evening grosbeak  
Lark bunting  
Lazuli bunting

Indigo bunting  
Horned lark

**Icterids (N=11)**

Red-winged blackbird  
Yellow-headed blackbird  
Brewer's blackbird  
Great-tailed grackle  
Brown-headed cowbird  
Bronzed cowbird  
Western meadowlark  
Eastern meadowlark  
Bullock's oriole  
Scott's oriole  
Hooded oriole

Introduced species that were not included in the analysis, because they are confined to urban, rural, or agricultural areas:

House sparrow  
Common pigeon (rock dove)  
Eurasian collared dove  
Peach-faced lovebird  
Ring-necked pheasant  
Muscovy duck  
Domestic ducks, geese, and swans