

Appendix 16. Rancho Jamul Ecological Reserve vertebrate species list 2001 / 2002 USGS - BRD Wildlife Surveys

Common Name	Scientific Name	Detection Method*
CLASS: AMPHIBIA (Amphibians)		
CAUDATA (Salamanders)		
PLETHODONTIDAE (Lungless Salamanders)		
Garden Slender Salamander	<i>Batrachoseps major</i>	PF
ANURA SALIENTIA (Frogs and Toads)		
PELOBATIDAE (Spadefoot Toads)		
Western Spadefoot	<i>Spea (Scaphiopus) hammondi</i> ³	AS, PF
BUFONIDAE (True Toads)		
Western Toad	<i>Bufo boreas</i>	AS, PF
HYLIDAE (Treefrogs and relatives)		
Pacific Tree Frog	<i>Hyla regilla</i>	AS
RANIDAE (True Frogs)		
Bullfrog	<i>Rana catesbeiana</i> ¹	AS, PF
PIPIDAE (Pipid Frogs)		
African Clawed Frog	<i>Xenopus laevis</i> ¹	AS
CLASS: REPTILIA (Reptiles)		
SQUAMATA (Lizards and Snakes)		
PHRYNOSOMATIDAE		
Granite Spiny Lizard	<i>Sceloporus orcutti</i>	PF
Western Fence Lizard	<i>Sceloporus occidentalis</i>	PF
Side-blotched Lizard	<i>Uta stansburiana</i>	PF
Coast Horned Lizard	<i>Phrynosoma coronatum</i> ^{2,3}	PF
XANTUSIIDAE (Night Lizards)		
Granite Night Lizard	<i>Xantusia henshawi</i>	PF
SCINCIDAE (Skinks)		
Western Skink	<i>Eumeces skiltonianus</i> ³	PF
Gilbert's Skink	<i>Eumeces gilberti</i>	PF
TEIIDAE (Whiptails and relatives)		
Orange-throated Whiptail	<i>Cnemidophorus hyperythrus</i> ^{2,3}	PF
Western Whiptail	<i>Cnemidophorus tigris</i>	PF
ANGUIDAE (Alligator Lizards and relatives)		
Southern Alligator Lizard	<i>Elgaria multicarinata</i>	PF
LEPTOTYPHLOPIDAE (Slender Blind Snakes)		
Western Blind Snake	<i>Leptotyphlops humilis</i>	PF
COLUBRIDAE (Colubrids)		
Ringneck Snake	<i>Diadophis punctatus</i>	PF
Baja California Coachwhip	<i>Masticophis flagellum</i>	PF
Striped Racer (California Whipsnake)	<i>Masticophis lateralis</i>	PF
Western Patch-nosed Snake	<i>Salvadora hexalepis</i> ³	PF
Gopher Snake	<i>Pituophis melanoleucus</i>	PF
Common Kingsnake	<i>Lampropeltis getula</i>	PF
Long-nosed Snake	<i>Rhinocheilus lecontei</i>	PF
Two-striped Garter Snake	<i>Thamnophis hammondi</i> ³	AS, PF
California Black-headed Snake	<i>Tantilla planiceps</i>	PF
VIPERIDAE (Vipers)		
Red Diamond Rattlesnake	<i>Crotalus ruber ruber</i> ³	PF
Western Rattlesnake	<i>Crotalus viridis</i>	PF

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CLASS: AVES (Birds)		
PODICIPEDIFORMES (Grebes)		
PODICIPEDIDAE (Grebes)		
Eared Grebe	<i>Podiceps nigricollis</i>	IN
CICONIIFORMES (Hérons, Storks, Ibises, and relatives)		
ARDEIDAE (Hérons and Bitterns)		
Snowy Egret	<i>Egretta thula</i>	IN
Green Heron	<i>Butorides virescens</i>	BP
Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>	IN
CATHARTIDAE (New World Vultures)		
Turkey Vulture	<i>Cathartes aura</i>	IN
ANSERIFORMES (Screamers, Ducks, and relatives)		
ANATIDAE (Swans, Geese, and Ducks)		
Mallard	<i>Anas platyrhynchos</i>	BP
Ring-necked Duck	<i>Aythya collaris</i>	IN
Bufflehead	<i>Bucephala albeola</i>	IN
FALCONIFORMES (Vultures, Hawks, and Falcons)		
ACCIPITRIDAE (Hawks, Old World Vultures, and Harriers)		
White-tailed Kite	<i>Elanus leucurus</i>	BP
Northern Harrier	<i>Circus cyaneus</i> ²	IN
Red-shouldered Hawk	<i>Buteo lineatus</i>	BP
Red-tailed Hawk	<i>Buteo jamaicensis</i>	BP
FALCONIDAE (Caracaras and Falcons)		
American Kestrel	<i>Falco sparverius</i>	BP
Merlin	<i>Falco columbarius</i> ³	BP
Peregrine Falcon	<i>Falco peregrinus</i> ²	BP
Prairie Falcon	<i>Falco mexicanus</i> ³	IN
GALLIFORMES (Megapodes, Curassows, Pheasants, and relatives)		
PHASIANIDAE (Quails, Pheasants, and relatives)		
Ring-necked Pheasant	<i>Phasianus colchicus</i> ¹	IN
ODONTOPHORIDAE (New World Quail)		
California Quail	<i>Callipepla californica</i>	BP
CHARADRIIFORMES (Shorebirds, Gulls, and relatives)		
CHARADRIIDAE (Plovers and relatives)		
Killdeer	<i>Charadrius vociferus</i>	BP
SCOLOPACIDAE (Sandpipers and relatives)		
Greater Yellowlegs	<i>Tringa melanoleuca</i>	IN
COLUMBIFORMES (Pigeons and Doves)		
COLUMBIDAE (Pigeons and Doves)		
Mourning Dove	<i>Zenaida macroura</i>	BP
CUCULIFORMES (Cuckoos and relatives)		
CUCULIDAE (Typical Cuckoos)		
Greater Roadrunner	<i>Geococcyx californianus</i>	BP, RC
STRIGIFORMES (Owls)		
TYTONIDAE (Barn Owls)		
Common Barn Owl	<i>Tyto alba</i>	NT

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CLASS: AVES (Birds) (continued)		
STRIGIFORMES (Owls) (continued)		
STRIGIDAE (Typical Owls)		
Great Horned Owl	<i>Bubo virginianus</i>	NT
Burrowing Owl	<i>Athene cunicularia hypugea</i> ^{2,3}	NT
Long-eared Owl	<i>Asio otus</i> ³	NT
CAPRIMULGIFORMES (Goatsuckers and relatives)		
CAPRIMULGIDAE (Goatsuckers)		
Common Poorwill	<i>Phalaenoptilus nuttallii</i>	NT
APODIFORMES (Swifts and Hummingbirds)		
TROCHILIDAE (Hummingbirds)		
Black-chinned Hummingbird	<i>Archilochus alexandri</i>	IN
Anna's Hummingbird	<i>Calypte anna</i>	BP
Costa's Hummingbird	<i>Calypte costae</i>	BP
Allen's Hummingbird	<i>Selasphorus sasin</i>	BP
CORACIIFORMES (Kingfishers and relatives)		
ALCEDINIDAE (Kingfishers)		
Belted Kingfisher	<i>Ceryle alcyon</i>	IN
PICIFORMES (Woodpeckers and relatives)		
PICIDAE (Woodpeckers and Wrynecks)		
Acorn Woodpecker	<i>Melanerpes formicivorus</i>	BP
Nuttall's Woodpecker	<i>Picooides nuttallii</i>	BP
Northern Flicker	<i>Colaptes auratus</i>	IN
PASSERIFORMES (Perching Birds)		
TYRANNIDAE (Tyrant Flycatchers)		
Pacific-Slope Flycatcher	<i>Empidonax difficilis</i>	IN
Black Phoebe	<i>Sayornis nigricans</i>	BP
Say's Phoebe	<i>Sayornis saya</i>	IN
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>	BP
Western Kingbird	<i>Tyrannus verticalis</i>	BP
LANIIDAE (Shrikes)		
Loggerhead Shrike	<i>Lanius ludovicianus</i>	BP
VIREONIDAE (Typical Vireos)		
Bell's Vireo	<i>Vireo bellii</i> ²	BP
Warbling Vireo	<i>Vireo gilvus</i>	BP
CORVIDAE (Jays, Magpies, and Crows)		
Magpie Jay (Black-throated form)	<i>Calocitta colliei</i> ¹	IN
Western Scrub-Jay	<i>Aphelocoma californica</i>	BP
American Crow	<i>Corvus brachyrhynchos</i>	BP
Common Raven	<i>Corvus corax</i>	BP
ALAUDIDAE (Larks)		
Horned Lark	<i>Eremophila alpestris</i>	BP
HIRUNDINIDAE (Swallows)		
Violet-green Swallow	<i>Tachycineta thalassina</i>	BP
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	BP
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	BP
PARIDAE (Titmice and relatives)		
Plain Oak Titmouse	<i>Baeolophus inornatus</i>	BP

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CLASS: AVES (Birds) (continued)		
PASSERIFORMES (Perching Birds) (continued)		
AEGITHALIDAE (Bushtit)		
Bushtit	<i>Psaltriparus minimus</i>	BP
TROGLODYTIDAE (Wrens)		
Bewick's Wren	<i>Thryomanes bewickii</i>	BP
House Wren	<i>Troglodytes aedon</i>	IN
SYLVIIDAE		
California Gnatcatcher	<i>Polioptila californica</i> ^{2,3}	BP
TURDIDAE		
Western Bluebird	<i>Sialia mexicana</i> ²	IN
Mountain Bluebird	<i>Sialia currucoides</i>	IN
TIMALIIDAE (Babblers)		
Wrentit	<i>Chamaea fasciata</i>	BP
MIMIDAE (Mockingbirds and Thrashers)		
Northern Mockingbird	<i>Mimus polyglottos</i>	BP
California Thrasher	<i>Toxostoma redivivum</i>	BP
STURNIDAE (Starlings & Allies)		
European Starling	<i>Sturnus vulgaris</i> ¹	BP
PTILOGONATIDAE (Silky Flycatchers)		
Phainopepla	<i>Phainopepla nitens</i>	BP
PARULIDAE (Wood Warblers and relatives)		
Orange-crowned Warbler	<i>Vermivora celata</i>	BP
Nashville Warbler	<i>Vermivora ruficapilla</i>	BP
Yellow Warbler	<i>Dendroica petechia</i>	BP
Yellow-rumped Warbler	<i>Dendroica coronata</i>	BP
Townsend's Warbler	<i>Dendroica townsendi</i>	BP
Common Yellowthroat	<i>Geothlypis trichas</i>	BP
Yellow-breasted Chat	<i>Icteria virens</i>	BP
THRAUPIDAE (Tanagers)		
Western Tanager	<i>Piranga ludoviciana</i>	BP
EMBERIZIDAE (Emberizines)		
Spotted Towhee	<i>Pipilo maculatus</i>	BP
California Towhee	<i>Pipilo crissalis</i>	BP
Rufous-crowned Sparrow	<i>Aimophila ruficeps</i> ²	BP
Chipping Sparrow	<i>Spizella passerina</i>	IN
Lark Sparrow	<i>Chondestes grammacus</i>	BP
Sage Sparrow	<i>Amphispiza belli</i>	BP
Savannah Sparrow	<i>Passerculus sandwichensis</i> ²	BP
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	BP
Song Sparrow	<i>Melospiza melodia</i>	BP
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	BP
Dark-eyed Junco	<i>Junco hyemalis</i>	IN
CARDINALIDAE (Cardinals, Grosbeaks & Allies)		
Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>	IN
Blue Grosbeak	<i>Guiraca caerulea</i>	BP
Lazuli Bunting	<i>Passerina amoena</i>	BP, RC

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CLASS: AVES (Birds) (continued)		
PASSERIFORMES (Perching Birds) (continued)		
ICTERIDAE (Blackbirds, Orioles & Allies)		
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	BP
Western Meadowlark	<i>Sturnella neglecta</i>	BP
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>	BP
Bullocks Oriole	<i>Icterus bullockii</i>	BP
FRINGILLIDAE (Finches)		
House Finch	<i>Carpodacus mexicanus</i>	BP
Lesser Goldfinch	<i>Carduelis psaltria</i>	BP
Lawrence's Goldfinch	<i>Carduelis lawrencei</i>	BP
American Goldfinch	<i>Carduelis tristis</i>	BP
CLASS: MAMMALIA (Mammals)		
DIDELPHIMORPHIA (Marsupials)		
DIDELPHIDAE (Opossums)		
Virginia Opossum	<i>Didelphis virginiana</i> ¹	TS
INSECTIVORA (Insectivores)		
SORICIDAE (Shrews)		
Ornate Shrew	<i>Sorex ornatus</i>	PF
Desert Shrew	<i>Notiosorex crawfordi</i>	PF
CHIROPTERA (Bats)		
VESPERTILIONIDAE (Evening Bats)		
Yuma Myotis	<i>Myotis yumanensis</i> ³	BS
California Myotis	<i>Myotis californicus</i>	BS
Western Small-footed Myotis	<i>Myotis ciliolabrum</i>	BS
Western Pipistrelle	<i>Pipistrellus hesperus</i>	BS
Big Brown Bat	<i>Eptesicus fuscus</i>	BS
Hoary Bat	<i>Lasiurus cinereus</i>	BS
Townsend's Big-eared Bat	<i>Corynorhinus (Plecotus) townsendii</i> ³	BS
Pallid Bat	<i>Antrozous pallidus</i> ³	BS
MOLOSSIDAE (Free-tailed Bats)		
Brazilian Free-tailed Bat	<i>Tadarida brasiliensis</i>	BS
Pocketed Free-tailed Bat	<i>Nyctinomops femorosacca</i> ³	BS
Big Free-tailed Bat	<i>Nyctinomops macrotis</i> ³	BS
Western Mastiff Bat	<i>Eumops perotis</i> ³	BS
LAGOMORPHA (Rabbits, Hares, and Pikas)		
LEPORIDAE (Rabbits and Hares)		
Audubon's (Desert) Cottontail	<i>Sylvilagus audubonii</i>	RC, TS
Black-tailed (Hare) Jackrabbit	<i>Lepus californicus</i> ³	RC
RODENTIA (Squirrels, Rats, Mice, and relatives)		
SCIURIDAE (Squirrels, Chipmunks, and Marmots)		
California Ground Squirrel	<i>Spermophilus beecheyi</i>	TS
GEOMYIDAE (Pocket Gophers)		
Botta's Pocket Gopher	<i>Thomomys bottae</i>	PF
HETEROMYIDAE (Pocket Mice and Kangaroo Rats)		
San Diego Pocket Mouse	<i>Chaetodipus fallax</i> ³	PF, ST
San Diego Kangaroo Rat	<i>Dipodomys simulans</i>	PF, ST

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CLASS: MAMMALIA (Mammals) (continued)		
RODENTIA (Squirrels, Rats, Mice, and relatives) (continued)		
MURIDAE		
Western Harvest Mouse	<i>Reithrodontomys megalotis</i>	PF
Cactus Mouse	<i>Peromyscus eremicus</i>	PF, ST
California Mouse	<i>Peromyscus californicus</i>	PF
Deer Mouse	<i>Peromyscus maniculatus</i>	PF, ST
Desert Woodrat	<i>Neotoma lepida</i> ³	PF, ST
House Mouse	<i>Mus musculus</i> ¹	ST
California Vole	<i>Microtus californicus</i>	PF
CARNIVORA (Carnivores) ²		
CANIDAE (Foxes, Wolves, and relatives)		
Domestic Dog	<i>Canis familiaris</i> ¹	RC, TS
Coyote	<i>Canis latrans</i>	RC, TS
Gray Fox	<i>Urocyon cinereoargenteus</i>	TS
PROCYONIDAE (Raccoons and relatives)		
Raccoon	<i>Procyon lotor</i>	TS
MEPHITIDAE (Skunks)		
Western Spotted Skunk	<i>Spilogale gracilis</i>	TS
Striped Skunk	<i>Mephitis mephitis</i>	RC, TS
FELIDAE (Cats)		
Feral Cat	<i>Felis catus</i> ¹	TS
Mountain Lion	<i>Puma concolor</i> ²	RC
Bobcat	<i>Lynx rufus</i>	RC, TS
ARTIODACTYLA (Even-toed Ungulates)		
CERVIDAE (Deer, Elk, and relatives)		
Mule Deer	<i>Odocoileus hemionus</i> ²	RC, TS
CLASS: OSTEICHTHYES (Bony Fish)		
ATHERINIFORMES		
POECILIDAE (Livebearers)		
Mosquito fish	<i>Gambusia affinis</i> ¹	AS
PERCIFORMES		
CENTRARCHIDAE (Sunfishes)		
Green sunfish	<i>Lepomis cyanellus</i> ¹	AS
Bluegill sunfish	<i>Lepomis macrochirus</i> ¹	AS
Largemouth bass	<i>Micropterus salmoides</i> ¹	AS
Black crappie	<i>Pomoxis nigromaculatus</i> ¹	AS
SILURIFORMES		
ICTALURIDAE (Bullhead and Catfishes)		
Black bullhead	<i>Ameiurus melas</i> ¹	AS

* Detection Method Codes: AS - Aquatic Survey, BP - Bird Point Count Survey, BS - Bat Survey, IN - Incidental, NT - Night Time Bird Point Count Survey, PF - Pitfall Survey, RC - Remote Camera, ST - Sherman Trap, TS- Track Station

1: introduced species

2: MSCP covered species

3: California Special Concern species