

**THREATENED AND ENDANGERED SPECIES
OF NEW MEXICO**

2004 BIENNIAL REVIEW

MARCH 2005



**New Mexico Department of Game and Fish
Conservation Services Division**

THREATENED AND ENDANGERED SPECIES OF NEW MEXICO 2004 Biennial Review and Recommendations

Authority: Wildlife Conservation Act (NMSA 17-2-37 through 17-2-46, 1978)

EXECUTIVE SUMMARY: A total of 118 species and subspecies are on the 2004 list of threatened and endangered New Mexico wildlife. The list includes 2 crustaceans, 25 mollusks, 23 fishes, 6 amphibians, 15 reptiles, 32 birds and 15 mammals (Tables 1, 2). An additional 7 species of mammals has been listed as restricted to facilitate control of traffic in federally protected species within New Mexico. A species is endangered if it is in jeopardy of extinction or extirpation from the state; a species is threatened if it is likely to become endangered within the foreseeable future throughout all or a significant portion of its range in New Mexico. Only species or subspecies of mammals, birds, reptiles, amphibians, fishes, mollusks, and crustaceans native to New Mexico may be listed as threatened or endangered under the Wildlife Conservation Act. During the Biennial Review, species may be upgraded from threatened to endangered, or downgraded from endangered to threatened, based upon data, views, and information regarding the biological and ecological status of the species. Investigations for new listings or removals from the list (delistings) can be undertaken at any time, but require additional procedures from those for the Biennial Review.

The 2002 Biennial Review contained a recommendation for maintaining the status for each of the 125 species and subspecies listed as threatened, endangered, or restricted under the New Mexico Wildlife Conservation Act. The New Mexico State Game Commission approved this recommendation in October 2002.

The 2004 Biennial Review contained a recommendation regarding listing status for each of the 125 species or subspecies listed as threatened, endangered, or restricted under the New Mexico Wildlife Conservation Act. Of these, 123 were recommended to retain their current listing status. Two species are proposed for uplisting from threatened to endangered. These species are the Jemez Mountains salamander and sand dune lizard. Both species persist within very limited ranges and have been experiencing increasing threats to their habitats within recent years. Uplisting from threatened to endangered confers no regulatory authority to the Department over the habitat of these species. However, the Department believes that a state-endangered status will emphasize the importance of, and demonstrate the ability for state-level management to support the long-term persistence of otherwise imperiled native wildlife. Both of these recommendations were ultimately approved by the State Game Commission in March 2005.

A summary of the distribution, current status, threats (intended, possible, existing, or past actions that create uncertainty of species persistence), and recommendations regarding listing status and conservation actions are presented for each species or subspecies on the state list. Species accounts contain only key references. The Department's database on these species consists of over 2000 pages. Databases for individual species are available on the internet at: <http://fwie.fw.vt.edu/states/nm.htm/>.

The Department emphasizes the need for identifying and protecting endangered wildlife in New Mexico. The State of New Mexico has lost, and continues to lose, its wildlife diversity. More than 75 taxa have been extirpated from one or more counties, including six that are considered to be extinct (i.e., no longer exist anywhere), and 19 others which have been extirpated from the state (but continue to exist elsewhere). Eighteen taxa have been extirpated from Bernalillo County alone.

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Table 1. Summary of review and recommendation for 2002 New Mexico endangered species list.

TAXA and 2002 STATUS	Number of Species, Subspecies	
	No Change	Uplisted to endangered
INVERTEBRATES		
Endangered	13	0
Threatened	14	0
FISHES		
Endangered	10	0
Threatened	13	0
AMPHIBIANS		
Endangered	3	0
Threatened	2	1
REPTILES		
Endangered	6	0
Threatened	8	1
BIRDS		
Endangered	12	0
Threatened	20	0
MAMMALS		
Endangered	6	0
Threatened	9	0
CITES	7	0
TOTAL	123	2

Table 2. Taxonomic review of New Mexico threatened and endangered species. Taxa listed as subspecies under the Wildlife Conservation Act are denoted by placing subspecies name in parentheses.

INVERTEBRATES

Endangered:

no change: (13)

Socorro isopod, *Thermosphaeroma thermophilum*
 Noel's amphipod, *Gammarus desperatus*
 paper pondshell, *Utterbackia imbecillis*
 Texas hornshell, *Popenaias popeii*
 Koster's springsnail, *Jurnia kosteri*
 Alamosa springsnail, *Psuedotryonia alamosae*
 Chupadera springsnail, *Pyrgulopsis chupaderae*
 Socorro springsnail, *Pyrgulopsis neomexicana*
 Roswell springsnail, *Pyrgulopsis roswellensis*
 Pecos assiminea, *Assiminea pecos*
 wrinkled marshsnail, *Stagnicola caperata*
 shortneck snaggletooth, *Gastrocopta dalliana dalliana*
 Florida mountainsnail, *Oreohelix florida*

Threatened:

no change: (14)

lake fingernailclam, *Musculium lacustre*
 swamp fingernailclam, *Musculium partumeium*
 long fingernailclam, *Musculium transversum*
 Lilljeborg peaclam, *Pisidium lilljeborgi*
 Sangre de Cristo peaclam, *Pisidium sanguinichristi*
 Gila springsnail, *Pyrgulopsis gilae*
 Pecos springsnail, *Pyrgulopsis pecosensis*
 New Mexico hot springsnail, *Pyrgulopsis thermalis*
 star gyro, *Gyraulus crista*
 ovate vertigo, *Vertigo ovata*
 Hacheta Grande woodlandsnail, *Ashmunella hebari*
 Cooke's Peak woodlandsnail, *Ashmunella macromphala*
 Mineral Creek mountainsnail, *Oreohelix pilsbryi*
 Doña Ana talussnail, *Sonorella todseni*

FISHES

Endangered:

no change: (10)

Gila chub, *Gila intermedia*
 Chihuahua chub, *Gila nigrescens*
 roundtail chub, *Gila robusta*
 Rio Grande silvery minnow, *Hybognathus amarus*
 Arkansas River shiner, *Notropis girardi*
 southern redbelly dace, *Phoxinus erythrogaster*
 Colorado pikeminnow, *Ptychocheilus lucius*
 (Zuni) bluehead sucker, *Catostomus discobolus yarrowi*
 blue sucker, *Cycleptus elongatus*
 Pecos gambusia, *Gambusia nobilis*

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Threatened:

no change: (13)

Gila trout, *Oncorhynchus gilae*
Mexican tetra, *Astyanax mexicanus*
Arkansas River speckled chub, *Macrhybopsis tetranema*
spikedace, *Meda fulgida*
(Pecos) bluntnose shiner, *Notropis simus pecosensis*
suckermouth minnow, *Phenacobius mirabilis*
loach minnow, *Tiaroga cobitis*
gray redhorse, *Scartomyzon congestum*
Pecos pupfish, *Cyprinodon pecosensis*
White Sands pupfish, *Cyprinodon tularosa*
Gila topminnow, *Poeciliopsis occidentalis*
greenthroat darter, *Etheostoma lepidum*
bigscale logperch, *Percina macrolepada*

AMPHIBIANS

Endangered:

no change: (3)

lowland leopard frog, *Rana yavapaiensis*
mountain toad, *Bufo boreas*
Great Plains narrow-mouthed toad, *Gastrophryne olivacea*

Threatened:

no change: (2)

Sacramento mountain salamander, *Aneides hardii*
Sonoran desert toad, *Bufo alvarius*

Uplisted to endangered: (1)

Jemez Mountains salamander, *Plethodon neomexicanus*

REPTILES

Endangered:

no change: (6)

Gila monster, *Heloderma suspectum*
gray-checkered whiptail, *Aspidoscelis dixonii*
gray-banded kingsnake, *Lampropeltis alterna*
Mexican gartersnake, *Thamnophis eques*
plain-bellied water snake, *Nerodia erythrogaster*
(New Mexico) ridgenosed rattlesnake, *Crotalus willardi obscurus*

Threatened:

no change: (8)

western river cooter, *Pseudemys gorzugi*
Slevin's bunch grass lizard, *Sceloporus slevini*
canyon spotted whiptail, *Aspidoscelis burti*
mountain skink, *Eumeces callicephalus*
green ratsnake, *Senticolis triaspis*
narrow-headed gartersnake, *Thamnophis rufipunctatus*
western ribbonsnake, *Thamnophis proximus*
(mottled) rock rattlesnake, *Crotalus lepidus lepidus*

Uplisted to endangered: (1)

sand dune lizard, *Sceloporus arenicolus*

BIRDS

Endangered:

no change: (12)

brown pelican, *Pelecanus occidentalis*
aplomado falcon, *Falco femoralis*
white-tailed ptarmigan, *Lagopus leucurus*
whooping crane, *Grus americana*
piping plover, *Charadrius melodus*
least tern, *Sterna antillarum*
common ground-dove, *Columbina passerina*
buff-collared nightjar, *Caprimulgus ridgwayi*
elegant trogon, *Trogon elegans*
northern beardless-tyrannulet, *Camptostoma imberbe*
(southwestern) willow flycatcher, *Empidonax traillii extimus*
thick-billed kingbird, *Tyrannus crassirostris*

Threatened:

no change: (20)

neotropical cormorant, *Phalacrocorax brasilianus*
bald eagle, *Haliaeetus leucocephalus*
common black-hawk, *Buteogallus anthracinus*
peregrine falcon, *Falco peregrinus*
(Gould's) wild turkey, *Meleagris gallopavo mexicana*
whiskered screech-owl, *Megascops trichopsis*
boreal owl, *Aegolius funereus*
broad-billed hummingbird, *Cyananthus latirostris*
white-eared hummingbird, *Hylocharis leucotis*
violet-crowned hummingbird, *Amazilia violiceps*
lucifer hummingbird, *Calothorax lucifer*
Costa's hummingbird, *Calypte costae*
Gila woodpecker, *Melanerpes uropygialis*
Bell's vireo, *Vireo bellii*
gray vireo, *Vireo vicinior*
Abert's towhee, *Pipilo aberti*
(Arizona) grasshopper sparrow, *Ammodramus savannarum ammoregus*
Baird's sparrow, *Ammodramus bairdii*
yellow-eyed junco, *Junco phaeonotus*
varied bunting, *Passerina versicolor*

MAMMALS

Endangered:

no change: (6)

Arizona shrew, *Sorex arizonae*
Mexican long-nosed bat, *Leptonycteris nivalis*
(Peñasco) least chipmunk, *Tamias minimus atristriatus*
(Arizona) montane vole, *Microtus montanus arizonensis*
gray wolf, *Canis lupis*
(desert) bighorn sheep, *Ovis canadensis mexicana*

Threatened:

no change: (9)

least shrew, *Cryptotis parva*
southern long-nosed bat, *Leptonycteris curasoae*
spotted bat, *Euderma maculatum*

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western yellow bat, *Lasiurus xanthius*
white-sided jackrabbit, *Lepus callotis*
(Organ Mountains) Colorado chipmunk, *Tamias quadrivittatus australis*
southern pocket gopher, *Thomomys umbrinus*
meadow jumping mouse, *Zapus hudsonius*
American marten, *Martes americana*

Restricted Species (CITES):

no change: (7)

leopard, *Panthera pardus*
clouded leopard, *Neofelis nebulosa*
snow leopard, *Panthera uncia*
jaguar, *Panthera onca*
Florida panther, *Felis concolor coryi*
tiger, *Panthera tigris*
ocelot, *Felis pardalis*

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