

**THREATENED AND ENDANGERED SPECIES
OF NEW MEXICO**

2006 BIENNIAL REVIEW

AUGUST 25, 2006



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

THREATENED AND ENDANGERED SPECIES OF NEW MEXICO

Final 2006 Biennial Review and Recommendations

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

EXECUTIVE SUMMARY: A total of 118 species and subspecies are on the 2006 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. 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. 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 (WCA). 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 2004 Biennial Review contained a recommendation for maintaining the status for 123 species and subspecies listed as threatened, endangered, or restricted under the WCA, and uplisting 2 species (Jemez Mountains salamander and sand dune lizard) from threatened to endangered. The 2004 Biennial Review was completed when New Mexico State Game Commission approved all of these recommendations in March 2005.

The final draft of the 2006 Biennial Review contains a recommendation regarding listing status for each of the 125 species or subspecies listed as threatened, endangered, or restricted under the WCA. Of these, 119 are recommended to retain their current listing status. Two species (shortneck snaggletooth and piping plover) are recommended for downlisting from endangered to threatened. Four species (meadow jumping mouse, Arizona grasshopper sparrow, Pecos bluntnose shiner and spikedace) are currently recommended for uplisting from state threatened to endangered. Uplisting from threatened to endangered confers no regulatory authority to the New Mexico Department of Game and Fish (NMDGF) over the habitat of these species. However, a state-endangered status emphasizes the importance of, and demonstrates the ability for, state-level management to support the long-term persistence of otherwise imperiled native wildlife. This recommendation was approved by the State Game Commission in August 2006.

A summary of the distribution, current status, threats (existing, past or future actions that can create uncertainty of species persistence if they are not carried out in a manner that considers wildlife and habitat needs), 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 6000 taxa. Databases for individual species are available on the internet at: <http://www.bison-m.org>.

NMDGF 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 90 different taxa have been extirpated from one or more counties, including 25 that are believed to be extinct (i.e., no longer exist anywhere), and at least 15 others that have been extirpated from the state (but continue to exist elsewhere).

Final 2006 Biennial Review of T & E Species of NM, 8/25/06

Table 1. Summary of review and recommendation for 2006 New Mexico endangered species list.

TAXA and 2004 STATUS	Number of Species or Subspecies and 2006 Recommendations		
	No Change	Reclassify As Endangered	Reclassify As Threatened
INVERTEBRATES			
Endangered	12	--	1
Threatened	14	0	--
FISHES			
Endangered	10	--	0
Threatened	11	2	--
AMPHIBIANS			
Endangered	4	--	0
Threatened	2	0	--
REPTILES			
Endangered	7	--	0
Threatened	8	0	--
BIRDS			
Endangered	11	--	1
Threatened	19	1	--
MAMMALS			
Endangered	6	--	0
Threatened	9	1	--
Restricted (CITES)	7	0	0
TOTAL	119	4	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 (27)

Endangered:

no change: (12)

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

Downlist to threatened: (1)

shortneck snaggletooth, *Gastrocopta dalliana dalliana*

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 springsnail, *Pyrgulopsis thermalis*
star gyro, *Gyraulus crista*
ovate vertigo, *Vertigo ovata*
Hacheta Grande woodlandsnail, *Ashmunella hebardii*
Cooke's Peak woodlandsnail, *Ashmunella macromphala*
Mineral Creek mountainsnail, *Oreohelix pilsbryi*
Doña Ana talussnail, *Sonorella todseni*

FISHES (23)

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*

Threatened:

no change: (11)

Gila trout, *Oncorhynchus gilae*

Mexican tetra, *Astyanax mexicanus*
peppered chub, *Macrhybopsis tetranema*
suckermouth minnow, *Phenacobius mirabilis*
loach minnow, *Tiaroga cobitis*
gray redbhorse, *Moxostoma congestum*
Pecos pupfish, *Cyprinodon pecosensis*
White Sands pupfish, *Cyprinodon tularosa*
Gila topminnow, *Poeciliopsis occidentalis*
greenthroat darter, *Etheostoma lepidum*
bigscale logperch, *Percina macrolepida*

Uplist to endangered: (2)

(Pecos) bluntnose shiner, *Notropis simus pecosensis*
spikedace, *Meda fulgida*

AMPHIBIANS (6)

Endangered:

no change: (4)

Jemez Mountains salamander, *Plethodon neomexicanus*
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*

REPTILES (15)

Endangered:

no change: (7)

Gila monster, *Heloderma suspectum*
sand dune lizard, *Sceloporus arenicolus*
gray-checked 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 bunchgrass 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*

BIRDS (32)

Endangered:

no change: (11)

brown pelican, *Pelecanus occidentalis*
aplomado falcon, *Falco femoralis*
white-tailed ptarmigan, *Lagopus leucurus*
whooping crane, *Grus americana*

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*

Downlist to threatened: (1)
piping plover, *Charadrius melodus*

Threatened:

no change: (19)
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, *Cyanthus 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*
Baird's sparrow, *Ammodramus bairdii*
yellow-eyed junco, *Junco phaeonotus*
varied bunting, *Passerina versicolor*

Uplist to endangered: (1)
(Arizona) grasshopper sparrow, *Ammodramus savannarum ammoregus*

MAMMALS (22)

Endangered:

no change: (6)
Arizona shrew, *Sorex arizonae*
Mexican long-nosed bat, *Leptonycteris nivalis*
(Peñasco) least chipmunk, *Neotamias minimus atristriatus*
(Arizona) montane vole, *Microtus montanus arizonensis*
gray wolf, *Canis lupis*
(desert) bighorn sheep, *Ovis canadensis mexicana*

Threatened:

no change: (8)
least shrew, *Cryptotis parva*
southern long-nosed bat, *Leptonycteris curasoae*
spotted bat, *Euderma maculatum*
western yellow bat, *Lasiurus xanthius*
white-sided jackrabbit, *Lepus callotis*
(Organ Mountains) Colorado chipmunk, *Neotamias quadrivittatus australis*
southern pocket gopher, *Thomomys umbrinus*
American marten, *Martes americana*

Uplist to endangered: (1)

meadow jumping mouse, *Zapus hudsonius*

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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