

**ARIZONA'S THREATENED AND ENDANGERED,
PROPOSED, CANDIDATE,
SIGNED CONSERVATION AGREEMENT**

Current as of February 2009

* **Species with Proposed or Designated Critical Habitat**

o **Species with final Recovery Plan**

^ **Species proposed for delisting**

MAMMALS

- | | |
|---|----------------------------------|
| o Black-footed ferret <i>Mustela nigripes</i> E | AESO LEAD
John Nystedt |
| o Hualapai Mexican vole <i>Microtus mexicanus hualpaiensis</i> E | Jennifer Graves |
| o Jaguar <i>Panthera onca</i> E | Erin Fernandez |
| o Lesser long-nosed bat <i>Leptonycteris curasoae yerbabuenae</i> E | Scott Richardson |
| o Mexican gray wolf <i>Canis lupus baileyi</i> E | Ryan Gordon |
| o* Mount Graham red squirrel <i>Tamiasciurus hudsonicus grahamensis</i> E | Marit Alanen |
| o Ocelot <i>Leopardus (Felis) pardalis</i> E | Erin Fernandez |
| o Sonoran pronghorn <i>Antilocapra americana sonoriensis</i> E | Erin Fernandez |

BIRDS

- | | |
|---|--------------------|
| o Bald eagle <i>Haliaeetus leucocephalus</i> T | Greg Beatty |
| o^ Brown pelican <i>Pelecanus occidentalis californicus</i> E | Mike Martinez |
| o California condor <i>Gymnogyps californianus</i> E | Bill Austin |
| o Masked bobwhite <i>Colinus virginianus ridgewayi</i> E | Scott Richardson |
| o Northern aplomado falcon <i>Falco femoralis septentrionalis</i> E | Marty Tuegel |
| o* Mexican spotted owl <i>Strix occidentalis lucida</i> T | Shaula Hedwall |
| o* Southwestern willow flycatcher <i>Empidonax traillii extimus</i> E | Greg Beatty |
| o Yuma clapper rail <i>Rallus longirostris yumanensis</i> E | Lesley Fitzpatrick |

Delisted:

- | | |
|---|------------------|
| o American peregrine falcon <i>Falco peregrinus anatum</i> | Greg Beatty |
| o Cactus ferruginous pygmy-owl <i>Glaucidium brasilianum cactorum</i> | Scott Richardson |

AMPHIBIANS AND REPTILES

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|---|------------------|
| o* Desert tortoise, Mojave population <i>Gopherus agassizii</i> T | Brian Wooldridge |
| o* New Mexico ridge-nosed rattlesnake <i>Crotalus willardi obscurus</i> T | Marty Tuegel |
| o Sonoran tiger salamander <i>Ambystoma mavortium stebbinsi</i> E | Jim Rorabaugh |
| o Chiricahua leopard frog <i>Lithobates chiricahuensis</i> T | Jim Rorabaugh |

FISHES

- | | |
|---|-------------|
| o Apache trout <i>Oncorhynchus apache</i> T | Ryan Gordon |
| o* Beautiful shiner <i>Cyprinella formosa</i> T | Doug Duncan |

o*	Bonytail chub <i>Gila elegans</i>	E	Lesley Fitzpatrick
o	Colorado pikeminnow <i>Ptychocheilus lucius</i>	E	Lesley Fitzpatrick
o*	Desert pupfish (incl. Quitobaquito) <i>Cyprinodon macularius (eremus)</i>	E	Doug Duncan
*	Gila chub <i>Gila intermedia</i>		Glen Knowles
o	Gila topminnow <i>Poeciliopsis occidentalis occidentalis</i>	E	Doug Duncan
o	Gila trout <i>Oncorhynchus gilae</i>	T	Dave Smith
o*	Humpback chub <i>Gila cypha</i>	E	Glen Knowles
o*	Little Colorado spinedace <i>Lepidomeda vittata</i>	T	Shaula Hedwall
o*	Loach minnow <i>Tiaroga cobitis</i>	T	Mary Richardson
o*	Razorback sucker <i>Xyrauchen texanus</i>	E	Lesley Fitzpatrick
o*	Sonora chub <i>Gila ditaenia</i>	T	Jason Douglas
o*	Spikedace <i>Meda fulgida</i>	T	Mary Richardson
o*	Virgin River chub <i>Gila robusta seminuda</i>	E	Lesley Fitzpatrick
o*	Woundfin <i>Plagopterus argentissimus</i>	E	Lesley Fitzpatrick
o*	Yaqui catfish <i>Ictalurus pricei</i>	T	Doug Duncan
o*	Yaqui chub <i>Gila purpurea</i>	E	Doug Duncan
o	Yaqui topminnow <i>Poeciliopsis occidentalis sonoriensis</i>	E	Doug Duncan

INVERTEBRATES

o	Kanab ambersnail <i>Oxyloma haydeni kanabensis</i>	E	Glen Knowles
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PLANTS

o	Arizona cliffrose <i>Purshia subintegra</i>	E	John Nystedt
	Arizona hedgehog <i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i>	E	Mima Falk
o	Brady pincushion cactus <i>Pediocactus bradyi</i>	E	Mima Falk
	Canelo Hills ladies'-tresses <i>Spiranthes delitescens</i>	E	Mima Falk
o	Cochise pincushion cactus <i>Coryphantha robbinsorum</i>	T	Mima Falk
	Holmgren (Paradox) milk vetch <i>Astragalus holmgreniorum</i>	E	Mima Falk
	Jones' cycladenia <i>Cycladenia humilis</i> var. <i>jonesii</i>	T	Mima Falk
*	Huachuca water umbel <i>Lilaeopsis schaffneriana</i> ssp. <i>recurva</i>	E	Mima Falk
o	Kearney blue star <i>Amsonia kearneyana</i>	E	Mima Falk
*	Navajo sedge <i>Carex specuicola</i>	T	John Nystedt
o	Nichol Turk's head cactus <i>Echinocactus horzonthalonius</i> var. <i>nicholii</i>	E -	Mima Falk
o	Peebles Navajo cactus <i>Pediocactus peeblesianus</i> var. <i>peeblesianus</i>	E	Jeff Servoss
	Pima pineapple cactus <i>Coryphantha scheeri</i> var. <i>robustispina</i>	E	Mima Falk
o*	San Francisco Peaks groundsel <i>Packera franciscana</i>	T	Shaula Hedwall
	Sentry milk vetch <i>Astragalus cremnophylax</i> var. <i>cremnophylax</i>	E	Mima Falk
o	Siler pincushion cactus <i>Pediocactus sileri</i>	T	Mima Falk
o*	Welsh's milkweed <i>Asclepias welshii</i>	T	Mima Falk
o	Zuni (rhizome) fleabane <i>Erigeron rhizomatus</i>	T	Mima Falk

Delisted:

	Arizona agave <i>Agave arizonica</i>		Mima Falk
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CANDIDATE SPECIES

AMPHIBIANS AND REPTILES

Sonoyta mud turtle *Kinosternon sonoriense longifemorale*
Relict leopard frog *Lithobates onca*
Northern Mexican gartersnake *Thamnophis eques megalops*
Arizona treefrog (Huachuca/Canelo Hills) *Hyla wrightorum*

AESO LEAD

Marty Tuegel
Brian Wooldridge
Jeff Servoss
Jim Rorabaugh

BIRDS

Yellow-billed cuckoo *Coccyzus americanus*
Gunnison sage grouse *Centrocercus minimus*

Greg Beatty

FISH

Zuni bluehead (mountain) sucker *Catostomus discobolus yarrowi*

Headwater chub *Gila nigra*

Lesley
Fitzpatrick
Glen Knowles

INVERTEBRATES

Huachuca springsnail *Pyrgulopsis thompsoni*
Page springsnail *Pyrgulopsis morrisoni*
Three Forks springsnail *Pyrgulopsis trivialis*
Stephan's riffle beetle *Heterelmis stephani*
San Bernardino springsnail *Pyrgulopsis bernardina*

Mike Martinez
Mike Martinez
Mike Martinez
Mike Martinez
Mike Martinez

MAMMALS

None

PLANTS

Acuna cactus *Echinomastus erectocentrus* var. *acunensis*
Fickeisen plains cactus *Pediocactus peeblesianus* var. *fickeiseniae*
Lemmon fleabane *Erigeron lemmonii*
Gierisch mallow *Sphaeralcea gierischii*

Mima Falk
Mima Falk
Mima Falk
Mima Falk

SIGNED CONSERVATION AGREEMENTS

AMPHIBIANS AND REPTILES

Ramsey Canyon leopard frog *Rana subaquavocalis*
Flat-tailed horned lizard *Phrynosoma mcallii*

AESO LEAD

Jim Rorabaugh
Cat Crawford

BIRDS

None

FISHES

Virgin spinedace *Lepidomeda mollispinis mollispinis*

Lesley Fitzpatrick

INVERTEBRATES

San Xavier talussnail *Sonorella eremita*

Marty Tuegel

Wet Canyon talussnail *Sonorella macrophallus*

Mike Martinez

PLANTS

Arizona bugbane *Cimicifuga arizonica*

Mima Falk

Arizona willow *Salix arizonica*

Mima Falk

Goodings onion *Allium goodingii*

Mima Falk

Paradine (Kaibab) plains cactus *Pediocactus paradinei*

Mima Falk