

**THREATENED AND ENDANGERED, PROPOSED, CANDIDATE,
SIGNED CONSERVATION AGREEMENT, AND OTHER CATEGORY SPECIES
ARIZONA ECOLOGICAL SERVICES OFFICE**

Current as of September 2017

* AESO is species lead office

FEDERALLY-LISTED SPECIES

MAMMALS

- Black-footed ferret *Mustela nigripes* E
- * Jaguar *Panthera onca* E
- * Lesser long-nosed bat *Leptonycteris curasoae yerbabuena* E
- Mexican wolf *Canis lupus baileyi* E
- * Mount Graham red squirrel *Tamiasciurus hudsonicus grahamensis* E
- Ocelot *Leopardus (Felis) pardalis* E
- * Jaguarundi *Herpailurus yagouaroundi tolteca* E
- Sonoran pronghorn *Antilocapra americana sonoriensis* E
- New Mexico jumping mouse *Zapus hudsonius luteus* E

AESO LEAD

John Nystedt
Marit Alanen
Scott Richardson
Ryan Gordon
Marit Alanen
Erin Fernandez
Erin Fernandez
Erin Fernandez
Dave Smith

BIRDS

- California condor *Gymnogyps californianus* E
- California least tern *Sterna antillarum browni* E
- Masked bobwhite *Colinus virginianus ridgewayi* E
- Northern aplomado falcon *Falco femoralis septentrionalis* E
- * Mexican spotted owl *Strix occidentalis lucida* T
- * Southwestern willow flycatcher *Empidonax traillii extimus* E
- * Thick-billed parrot *Rhynchopsitta pachryncha* E
- * Yuma clapper rail *Rallus longirostris yumanensis* E
- Western DPS Yellow-billed cuckoo *Coccyzus americanus* T
- Whooping crane *Grus americana* E

Brian Wooldridge
Kathy Robertson
Scott Richardson
Jason Douglas
Shaula Hedwall
Greg Beatty
Susan Sferra
Nichole Engelmann
Susan Sferra
Susan Sferra

REPTILES

- Mojave Desert tortoise *Gopherus agassizii* T
- * Narrow headed gartersnake *Thamnophis rufipunctatus* T
- * Northern Mexican gartersnake *Thamnophis eques megalops* T
- New Mexico ridge-nosed rattlesnake *Crotalus willardi obscurus* T
- * Sonoyta mud turtle *Kinosternon sonoriense longifemorale* E

Brian Wooldridge
Jeff Servoss
Jeff Servoss
Jeff Servoss
Cat Crawford

AMPHIBIANS

- * Sonoran tiger salamander *Ambystoma mavortium stebbinsi* E
- * Chiricahua leopard frog *Lithobates chiricahuensis* T

Cat Crawford
Cat Crawford

FISHES

Apache trout <i>Oncorhynchus gilae apache</i>	T	Dave Smith
Beautiful shiner <i>Cyprinella formosa</i>	T	Doug Duncan
Bonytail <i>Gila elegans</i>	E	Jessica Gwinn
Colorado pikeminnow <i>Ptychocheilus lucius</i>	E	Jessica Gwinn
* Desert pupfish <i>Cyprinodon macularius</i>	E	Doug Duncan
* Gila chub <i>Gila intermedia</i>	E	Ryan Gordon
* Gila topminnow <i>Poeciliopsis occidentalis occidentalis</i>	E	Doug Duncan
Gila trout <i>Oncorhynchus gilae gilae</i>	T	Dave Smith
Humpback chub <i>Gila cypha</i>	E	Jessica Gwinn
* Little Colorado spinedace <i>Lepidomeda vittata</i>	T	Shaula Hedwall
* Loach minnow <i>Tiaroga cobitis</i>	E	Mary Richardson
Razorback sucker <i>Xyrauchen texanus</i>	E	Jessica Gwinn
* Rio Sonoyta pupfish <i>Cyprinodon eremus</i>	E	Doug Duncan
* Sonora chub <i>Gila ditaenia</i>	T	Jason Douglas
* Spikedace <i>Meda fulgida</i>	E	Mary Richardson
Virgin River chub <i>Gila robusta seminuda</i>	E	Brian Wooldridge
Woundfin <i>Plagopterus argentissimus</i>	E	Brian Wooldridge
Yaqui catfish <i>Ictalurus pricei</i>	T	Doug Duncan
Yaqui chub <i>Gila purpurea</i>	E	Doug Duncan
* Yaqui topminnow <i>Poeciliopsis occidentalis sonoriensis</i>	E	Doug Duncan
Zuni bluehead sucker <i>Catostomus discobolus yarrow</i>	E	Shaula Hedwall

INVERTEBRATES

Kanab ambersnail <i>Oxyloma haydeni kanabensis</i>	E	Jessica Gwinn
* Three Forks springsnail <i>Pyrgulopsis trivialis</i>	E	Nichole Engelmann
* San Bernardino springsnail <i>Pyrgulopsis bernardina</i>	T	Doug Duncan

PLANTS

* Acuña cactus <i>Echinomastus erectocentrus</i> var. <i>acunensis</i>	E	Julie Crawford
* Arizona cliffrose <i>Purshia subintegra</i>	E	John Nystedt
* Arizona hedgehog cactus <i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i>	E	Kathy Robertson
* Brady pincushion cactus <i>Pediocactus bradyi</i>	E	Brian Wooldridge
* Canelo Hills ladies'-tressess <i>Spiranthes delitescens</i>	E	Julie Crawford
* Cochise pincushion cactus <i>Corypantha robbinsorum</i>	T	Julie Crawford
* Fickeisen plains cactus <i>Pediocactus peeblesianus</i> var. <i>fickeiseniae</i>	E	Kathy Robertson
* Gierisch mallow <i>Sphaeralcea gierischii</i>	E	Brian Wooldridge
Holmgren milk-vetch <i>Astragalus holmgreniorum</i>	E	Brian Wooldridge
Jones' cycladenia <i>Cycladenia humilis</i> var. <i>jonesii</i>	T	Brian Wooldridge
* Huachuca water umbel <i>Lilaeopsis schaffneriana</i> ssp. <i>recurva</i>	E	Julie Crawford
* Kearney blue star <i>Amsonia kearneyana</i>	E	Julie Crawford
* Navajo sedge <i>Carex specuicola</i>	T	John Nystedt
* Nichol Turk's head cactus <i>Echinocactus horizontalonius</i> var. <i>nicholii</i>	E	Kathy Robertson
* Peebles Navajo cactus <i>Pediocactus peeblesianus</i> var. <i>peeblesianus</i>	E	Kathy Robertson

Peirson's milk-vetch <i>Astragalus magdalenae</i> var. <i>peirsonii</i> T	Julie Crawford
* Pima pineapple cactus <i>Coryphantha scheeri</i> var. <i>robustispina</i> E	Julie Crawford
* San Francisco Peaks ragwort <i>Packera franciscana</i> T	Shaula Hedwall
* Sentry milk-vetch <i>Astragalus cremnophylax</i> var. <i>cremnophylax</i> E	vice Austin
* Siler pincushion cactus <i>Pediocactus sileri</i> T	Brian Wooldridge
Welsh's milkweed <i>Asclepias welshii</i> T	John Nystedt
Zuni fleabane <i>Erigeron rhizomatus</i> T	John Nystedt

Proposed Delisting:

* Lesser long-nosed bat <i>Leptonycteris curasoae yerbabuenae</i> E	Scott Richardson
---	------------------

CANDIDATE SPECIES

PLANTS

Wright's marsh thistle <i>Cirsium wrightii</i>	Julie Crawford
--	----------------

SIGNED CONSERVATION AGREEMENTS

AMPHIBIANS

Relict leopard frog <i>Lithobates onca</i>	Brian Wooldridge
--	------------------

REPTILES

Flat-tailed horned lizard <i>Phrynosoma mcallii</i>	Cat Crawford
* Sonoran desert tortoise <i>Gopherus morafkaii</i>	Jeff Servoss

FISHES

Virgin River spinedace <i>Lepidomeda mollispinis mollispinis</i>	Brian Wooldridge
Flannelmouth sucker <i>Catostomus latipinnis</i>	Jessica Gwinn
Little Colorado sucker <i>Catostomas</i> spp.	Shaula Hedwall
Little Colorado bluehead sucker <i>Pantosteus discobolus</i>	Shaula Hedwall
Grand Canyon bluehead sucker <i>Pantosteus discobolus</i>	Shaula Hedwall

INVERTEBRATES

* San Xavier talussnail <i>Sonorella eremita</i>	Cat Crawford
* Wet Canyon talussnail <i>Sonorella macrophallus</i>	Cat Crawford
* Page springsnail <i>Pyrgulopsis morrisoni</i>	Shaula Hedwall

PLANTS

* Arizona bugbane <i>Cimicifuga arizonica</i>	Julie Crawford
* Arizona willow <i>Salix arizonica</i>	Julie Crawford
* Gooddings onion <i>Allium gooddingii</i>	Julie Crawford
* Paradine (Kaibab) plains cactus <i>Pediocactus paradinei</i>	vice Austin

SPECIES WITH POSITIVE 90-DAY FINDINGS

REPTILES

- | | |
|---|--------------|
| * Arizona striped whiptail <i>Aspidoscelis arizonae</i> | Jeff Servoss |
| Arizona toad <i>Bufo microscaphus microscaphus</i> | Unassigned |
| Desert massasauga <i>Sistrurus catenatus edwardsii</i> | Jeff Servoss |
| * Yuman Desert fringe-toed lizard <i>Uma rufipunctata</i> | Cat Crawford |

FISHES

- | | |
|--|------------------|
| Virgin River spinedace <i>Lepidomeda mollispinus mollispinus</i> | Brian Wooldridge |
|--|------------------|

INVERTEBRATES

- | | |
|--|-------------------------|
| * Bylas springsnail <i>Pyrgulopsis arizonae</i> | Nichole Engelmann |
| * Gila tyronia <i>Tryonia gilae</i> | Nichole Engelmann |
| * Grand Wash springsnail <i>Pyrgulopsis bacchus</i> | Brian Wooldridge |
| * Huachuca woodland snail <i>Ashmunella levettei</i> | Nichole Engelmann |
| * Kingman springsnail <i>Pyrgulopsis conica</i> | Brian Wooldridge |
| Monarch <i>Danaus plexippus</i> | Jennifer Kaplan |
| * Pinaleño talussnail <i>Sonorella grahamensis</i> | Cat Crawford |
| * Quitobaquito tryonia <i>Tryonia quitobaquiae</i> | Doug Duncan |
| * San Xavier talussnail <i>Sonorella eremita</i> | Cat Crawford |
| * Sonoran talussnail <i>Sonorella magdalenensis</i> | Cat Crawford |
| * Phoenix (Squaw Peak) talussnail <i>Maricopella allynsmithi</i> | Kathy Robertson |
| * Verde Rim springsnail <i>Pyrgulopsis glandulosa</i> | Brian Wooldridge |
| * Wet Canyon talussnail <i>Sonorella macrophallus</i> | Cat Crawford |
| * Ferris' copper <i>Lycaena ferrisi</i> | Nichole Engelmann |
| * Notodontid moth (NCN) <i>Astylis</i> sp. 1 | Erin Fernandez Timbadia |
| * Notodontid moth (NCN) <i>Heterocampa</i> sp. 1 nr Amanda | Erin Fernandez Timbadia |
| * Notodontid moth (NCN) <i>Litodonta</i> sp. 1 nr alpine | Dave Smith |
| * Sabino dancer damselfly <i>Argia sabino</i> | Dave Smith |
| Western bumblebee <i>Bombus occidentalis</i> | Dave Smith |

PLANTS

- | | |
|--|------------------|
| * Bartram stonecrop <i>Graptopetalum bartrami</i> | Julie Crawford |
| * Beardless chinch weed <i>Pectis imberbis</i> | Julie Crawford |
| * Chihuahua scurfpea <i>Pediomelum pentaphyllum</i> | Julie Crawford |
| Joshua tree <i>Yucca brevifolia</i> | Brian Wooldridge |
| * Kaibab bladderpod <i>Lesquerella kaibabensis</i> | vice Austin |
| * Morton's wild buckwheat <i>Eriogonum mortonianum</i> | Brian Wooldridge |
| * Navajo bladderpod <i>Lesquerella navajoensis</i> | John Nystedt |
| * Pipe Springs cryptantha <i>Cryptantha semiglabra</i> | Brian Wooldridge |
| Wright's marsh thistle <i>Cirsium wrightii</i> | Julie Crawford |

DELISTED

American peregrine falcon	<i>Falco peregrinus anatum</i>	Greg Beatty
* Cactus ferruginous pygmy-owl	<i>Glaucidium brasilianum cactorum</i>	Scott Richardson
Brown pelican	<i>Pelecanus occidentalis californicus</i>	Mike Martinez
* Bald eagle [Sonoran Desert area]	<i>Haliaeetus leucocephalus</i>	Greg Beatty
* Hualapai Mexican vole	<i>Microtus mexicanus hualpaiensis</i>	Jennifer Kaplan