

**Tonto National Forest  
Federal Threatened, Endangered, and Candidate Species  
Mar 2011**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Status</b>
<b>Mammals</b>		
Bat, lesser long-nosed	<i>Leptonycteris curasoae yerbabuenae</i>	E
Wolf, Mexican gray	<i>Canis lupus baileyi</i>	E
<b>Birds</b>		
Cuckoo, yellow-billed	<i>Coccyzus americanus</i>	C
Flycatcher, southwestern willow	<i>Empidonax traillii extimus</i>	E
Flycatcher, southwestern willow critical habitat	N/A	N/A
Owl, Mexican spotted	<i>Strix occidentalis lucida</i>	T
Owl, Mexican spotted critical habitat	N/A	N/A
Rail, Yuma clapper	<i>Rallus longirostris yumanensis</i>	E
<b>Reptiles</b>		
Gartersnake, northern Mexican	<i>Thamnophis eques megalops</i>	C
Tortoise, Sonoran desert	<i>Gopherus agassizii</i>	C
<b>Amphibian</b>		
Frog, Chiricahua leopard	<i>Lithobates [Rana] chiricahuensis</i>	T
Frog, Chiricahua leopard, proposed critical habitat	N/A	N/A
<b>Fish</b>		
Chub, Gila	<i>Gila intermedia</i>	E
Chub, Gila critical habitat	N/A	N/A
Chub, headwater	<i>Gila nigra</i>	C
Chub, roundtail	<i>Gila robusta</i>	C
Minnow, loach	<i>Tiaroga cobitis</i>	T
Minnow, loach proposed critical habitat	N/A	N/A
Pikeminnow, Colorado	<i>Ptychocheilus lucius</i>	E
Pupfish, desert	<i>Cyprinodon macularius</i>	E
Spikedace	<i>Meda fulgida</i>	T
Spikedace, proposed critical habitat	N/A	N/A
Sucker, razorback	<i>Xyrauchen texanus</i>	E
Sucker, razorback, critical habitat	N/A	N/A
Topminnow, Gila	<i>Poeciliopsis occidentalis occidentalis</i>	E
Trout, Gila	<i>Oncorhynchus gilae</i>	T
Woundfin	<i>Plagopterus argentissimus</i>	E
<b>Plants</b>		
Cliffrose, Arizona	<i>Purshia subintegra</i>	E
	<i>Echinocereus triglochidiatus var.</i>	E
Hedgehog, Arizona	<i>arizonicus</i>	
C=candidate, E=endangered, N/A=not applicable, T=threatened		

**Tonto National Forest**  
**Forest Sensitive Species (includes Federal candidate species)**  
**Mar 2011**

<b>Common Name</b>	<b>Scientific Name</b>
<b>Mammals</b>	
Bat, Allen's lappet-browed	<i>Idionycteris phyllotis</i>
Bat, California leaf-nosed	<i>Macrotus californicus</i>
Bat, greater western mastiff	<i>Eumops perotis californicus</i>
Bat, pale townsend's big-eared	<i>Corynorhinus townsendii pallescens</i>
Bat, pocketed free-tailed	<i>Nyctinomops femorosaccus</i>
Bat, spotted	<i>Euderma maculatum</i>
Bat, western red	<i>Lasiurus blossevillii</i>
Coati, white-nosed	<i>Nasua narica</i>
Sheep, desert bighorn	<i>Ovis canadensis mexicana</i>
Sheep, rocky mountain bighorn	<i>Ovis canadensis canadensis</i>
<b>Birds</b>	
Blackhawk, common	<i>Buteogallus anthracinus</i>
Cuckoo, western yellow-billed*	<i>Coccyzus americanus occidentalis</i>
Eagle, bald	<i>Haliaeetus leucocephalus</i>
Falcon, American peregrine	<i>Falco peregrinus anatum</i>
Goshawk, northern	<i>Accipiter gentilis</i>
Grebe, Clark's	<i>Aechmophorus clarkii</i>
Hawk, northern gray	<i>Asturina nitida maximus</i>
Hawk, zone-tailed	<i>Buteo albonotatus</i>
Towhee, Abert's	<i>Pipilo aberti</i>
<b>Reptiles</b>	
Gartersnake, northern Mexican*	<i>Thamnophis eques megalops</i>
Gartersnake, Narrow-headed	<i>Thamnophis rufipunctatus</i>
Monster, reticulate Gila monster	<i>Heloderma suspectum suspectum</i>
Snake, Maricopa leaf-nosed	<i>Phyllorhynchus browni lucidus</i>
Tortoise, Sonoran desert*	<i>Gopherus agassizii</i>
<b>Amphibians</b>	
Frog, lowland leopard	<i>Rana yavapaiensis</i>
Frog, northern leopard	<i>Rana pipiens</i>
Frog, western barking	<i>Eleutherodactylus augusti cactorum</i>
Toad, Arizona	<i>Bufo microscaphus</i>
<b>Fish</b>	
Chub, headwater*	<i>Gila nigra</i>
Chub, roundtail*	<i>Gila robusta</i>
Dace, longfin	<i>Agosia chrysogaster</i>
Sucker, desert	<i>Catostomus clarki</i>
Sucker, Sonora	<i>Catostomus insignis</i>
<b>Invertebrates</b>	
Beetle, Parker's cillopeus riffle	<i>Cylloepus parkeri</i>
Midge, netwing	<i>Agathon arizonicus</i>
Springsnail, fossil	<i>Pyrgulopsis simplex</i>
<b>Plants</b>	
Agave, Hohokam	<i>Agave murpheyi</i>
Agave, Tonto basin	<i>Agave delamateri</i>
Buckwheat, Ripley wild	<i>Eriogonum ripleyi</i>
Bugbane, Arizona	<i>Cimicifuga arizonica</i>

<b>Common Name</b>	<b>Scientific Name</b>
Dock, blumer's	<i>Rumex orthoneurus</i>
Fleabane, fish creek	<i>Erigeron piscaticus</i>
Fleabane, Mogollon	<i>Erigeron anchana</i>
Groundsel, toumey	<i>Packera neomexicana</i> var. <i>toumeyi</i> (= <i>Senecio</i> n. var. <i>t.</i> )
Mallow, Pima Indian	<i>Abutilon parishii</i>
Milkwort, Hualapai	<i>Polygala rusbyi</i>
Phlox, Arizona	<i>Phlox amabilis</i>
Rockdaisy, fish creek	<i>Perityle saxicola</i>
Rockdaisy, salt river	<i>Perityle gilensis</i> var. <i>salensis</i>
Root, Arizona alum	<i>Heuchera glomerulata</i>
Root, eastwood alum	<i>Heuchera eastwoodiae</i>
Sage, galiuro	<i>Salvia amissa</i>
Sandwort, Mt. Dellenbaugh	<i>Arenaria aberrans</i>
Sedge, Chihuahuan	<i>Carex chihuahuensis</i>
Sedge, Cochise	<i>Carex ultra</i> (= <i>C. spissa</i> var. <i>ultra</i> )
Snapdragon, mapleleaf false	<i>Mabrya acerifolia</i> (= <i>Maurandya a.</i> )
Vetch, horseshoe deer	<i>Lotus mearnsii</i> var. <i>equisolensis</i>
Woodfern, Aravaipa	<i>Thelypteris puberula</i> var. <i>sonorensis</i>
* also a federal candidate species.	

**Tonto National Forest  
Management Indicator Species  
Mar 2011**

<b>Management Indicator Species</b>	<b>Potential Natural Vegetation Crosswalk</b>	<b>Indicator of</b>	<b>Habitat Trend</b>	<b>Population Trend</b>
Elk	PPM, MBDRF, MWRF	general forest conditions	Static	Increase
Turkey	PPM, MBDRF, MWRF	vertical diversity – forest mix	Static	Increase
Pygmy Nuthatch	PPM, MBDRF, MWRF	Old growth pine	Static	Increase
Violet-green swallow	PPM, MBDRF, MWRF	Cavity-nesting habitat	Static	Increase
Western Bluebird	PPM, MBDRF, MWRF	Forest openings	Static	Increase
Hairy Woodpecker	PPM, MBDRF, MWRF	Snags	Static	Increase
Goshawk	PPM, MBDRF, MWRF	Vertical diversity	Static	Increase
Abert Squirrel	PPM, MBDRF, MWRF	Successional stages of pine	Static	Increase
Ash-throated Flycatcher	DC, IC, PJC, PJG, SDG	Ground cover	Static	Increase
Gray Vireo	IC, PJC, PJG	Tree density	Static	Decrease
Townsend's Solitaire	PJC, PJG	Juniper berry production	Static	Decrease
Juniper Titmouse	PJC, PJG	General woodland conditions	Static	Decrease
Northern Flicker	PJC, PJG	Snags	Static	Increase
Spotted Towhee	PJC, PJG	Successional stages of pinyon-juniper	Static	Increase
Spotted Towhee	PJC, PJG	Shrub density	Static	Increase
Black-chinned	PJC, PJG	Shrub diversity	Static	Increase

<b>Management Indicator Species</b>	<b>Potential Natural Vegetation Crosswalk</b>	<b>Indicator of</b>	<b>Habitat Trend</b>	<b>Population Trend</b>
Sparrow				
Savannah Sparrow	CPG, PJG	Grass species diversity	Upward/static	Increase
Horned Lark	CPG, PJG	Vegetation aspect	Upward/static	Increase
Black-throated Sparrow	DC, PJC, IC, SDG	Shrub diversity	Downward/static	Increase
Canyon Towhee	IC, PJC, SDG	Ground cover	Downward/static	Increase
Bald Eagle	CWRF	General riparian	No change	Increase
Bell's Vireo	CWRF	Well-developed understory	No change	Increase
Summer Tanager	CWRF	Tall, mature trees	No change	Increase
Hooded Oriole	CWRF	Medium-sized Trees	No change	Increase
Hairy Woodpecker	MBDRF	Snags, cavities	No change	Increase
Arizona Gray Squirrel	MBDRF	General riparian	No change	Increase
Warbling Vireo	MBDRF	Tall overstory	No change	Increase
Western Wood Pewee	MBDRF	Medium overstory	No change	Increase
Common black-hawk	MBDRF	Riparian streamside	No change	Increase
Macro-invertebrates	Aquatic	Water quality	N/A	N/A

CPG - colorado plateau grassland, CWRF - cottonwood willow riparian forest, DC - desert communities, IC - interior chaparral, MBDRF - mixed broadleaf deciduous riparian forest, MCA - mixed conifer w/ aspen, MWRF- montane willow riparian forest, PJC - PJ chaparral, PJG - PJ grassland, PPM - ponderosa pine – mild, SDG - semi-desert grassland.

**Tonto National Forest**  
**Migratory bird species of concern**  
**Mar 2011**

<b>Ponderosa Pine Forest: primarily pure ponderosa pine forest</b>		
Flammulated Owl*	Northern Goshawk*	Olive-sided Flycatcher*
Grace's Warbler*	Lewis's Woodpecker*	Olive Warbler*
<b>Ponderosa-Gambel's Oak Forest</b>		
Band-tailed Pigeon*	Grace's Warbler*	Northern Goshawk*
Flammulated Owl*	Lewis's Woodpecker*	Olive Warbler*
<b>Mixed Conifer Forest: Douglas fir, white fir, ponderosa pine, often some aspen and Gambel's oak.</b>		
Band-tailed Pigeon*	Golden-crowned Kinglet	Olive-sided Flycatcher*
Cordilleran Flycatcher	Mexican Spotted Owl	Red-faced Warbler*
Flammulated Owl*	Northern Goshawk*	Red-naped Sapsucker*
<b>Pinyon Pine – Juniper woodland</b>		
Black-throated Gray Warbler*	Gray Vireo	Peregrine Falcon*
Golden Eagle*	Juniper Titmouse	Pinyon Jay
Gray Flycatcher		
<b>Madrean Evergreen woodland: Madrean evergreen oaks, juniper, pinyon pine</b>		
Black-throated Gray Warbler*	Golden Eagle*	
<b>Interior chaparral: shrub live oak, manzanita, mountain-mahogany, cliffrose</b>		
Black-chinned Sparrow		
<b>Semi-arid grassland, often with scattered sotol, agaves burroweed, snakeweed, yucca, mesquite</b>		
Golden Eagle*	Swainson's Hawk	
<b>Sonoran Desertscrub (Arizona Upland Biome): paloverde, ironwood, mesquite, catclaw, acacia, saguro, cholla, barrel cactus, prickly pear, creosote bush, jojoba, crucifixion thorn</b>		
Bendire's Thrasher	Gila Woodpecker	Phainopepla*
Canyon Towhee	Gilded Flicker	Prairie Falcon
Costa's Hummingbird*	Golden Eagle*	Purple Martin
Elf Owl	Peregrine Falcon*	
<b>Montane riparian wetlands: cottonwood, maple, box elder, alder, willow, some Gambel's oak, ponderosa pine, Douglas fir, white fir, and aspen</b>		
Cordilleran Flycatcher*	Red-faced Warbler*	Red-naped Sapsucker*
MacGillivray's Warbler		
<b>Marshlands, cienegas, ponds, and lake edges: bulrush, sedges, pondweeds, cattail, duckweed, saltgrass</b>		
Yuma Clapper Rail		
<b>Interior riparian deciduous forests and woodlands: sycamore, cottonwood, willow, ash, walnut, bigtooth maple, hackberry, cypress, juniper, oak</b>		
Common Black-Hawk*	Northern Beardless-Tyrannulet*	Yellow Warbler*
<b>Sonoran riparian deciduous forest and woodlands: primarily cottonwood, willow, mesquite, tamarisk (salt cedar), some ash, walnut, and hackberry</b>		
Bald Eagle	Northern Beardless-Tyrannulet	Western Yellow-billed Cuckoo
Bell's Vireo*	Southwestern Willow Flycatcher	Yellow Warbler*
Common Black-Hawk*		
<b>Sonoran riparian scrubland (dry wash): mesquite, paloverde, ironwood, burrobrush, desert broom, quailbush, desert willow</b>		
Bell's Vireo*	Lucy's Warbler	Phainopepla*
Costa's Hummingbird*		
* Species occurs in more than 1 type of habitat		