

Appendix 12-A. Plants and animals of the Tonto National Forest. Refer to Chapter 2 for more information on how the data was generated for this table. Also, see information regarding the R3 Species data base at www.azconservation.org.

Appendix 12-B. Conservation targets (N=132), by target type, that occur on one or more of 15 conservation areas that overlap the Tonto National Forest in Arizona.

Target Type / Scientific Name	Common Name	Habitat Type	# of Conservation Areas	Conservation Areas ^A
Amphibian				
<i>Bufo microscaphus microscaphus</i>		Aquatic/Riparian	6	1,4,9,12,13,15
<i>Hyla eximia</i>	Mountain Treefrog	Aquatic/Riparian	4	6,9,13,15
<i>Rana chiricahuensis</i>	Chiricahua Leopard Frog	Aquatic/Riparian	3	9,13,15
<i>Rana pipiens</i>	Northern Leopard Frog	Aquatic/Riparian	2	6,15
<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	12	1,3,4,5,7,8,9,11,12,13,14,15
Bird				
<i>Accipiter gentilis</i>	Northern Goshawk	Terrestrial	4	6,9,13,15
<i>Buteo albonotatus</i>	Zone-Tailed Hawk	Aquatic/Riparian	3	1,4,11
<i>Buteogallus anthracinus</i>	Common Black-Hawk	Aquatic/Riparian	5	1,4,6,13,15
<i>Ceryle alcyon</i>	Belted Kingfisher	Aquatic/Riparian	2	6,15
<i>Cinclus mexicanus</i>	American Dipper	Aquatic/Riparian	1	13
<i>Coccyzus americanus occidentalis</i>	Western Yellow-Billed Cuckoo	Aquatic/Riparian	3	1,13,15
<i>Colaptes chrysoides</i>	Gilded Flicker	Terrestrial	1	13
<i>Dendroica petechia</i>	Yellow Warbler	Aquatic/Riparian	1	13
<i>Empidonax traillii extimus</i>	Southwest Willow Flycatcher	Aquatic/Riparian	2	13,15
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	Terrestrial	3	5,13,15
<i>Glaucidium brasilianum cactorum</i>	Cactus Ferruginous Pygmy Owl	Terrestrial	1	13
<i>Haliaeetus leucocephalus</i>	Bald Eagle	Terrestrial	3	1,13,15
<i>Pipilo aberti</i>	Abert's Towhee	Aquatic/Riparian	1	13
<i>Rallus longirostris yumanensis</i>	Yuma Clapper Rail	Aquatic/Riparian	1	13
<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Terrestrial	7	5,6,7,9,11,13,15
Fish				
<i>Agosia chrysogaster</i>	Longfin Dace	Aquatic/Riparian	6	1,3,4,5,13,15
<i>Catostomus clarki</i>	Desert Sucker	Aquatic/Riparian	7	1,3,6,7,9,13,15
<i>Catostomus insignis</i>	Sonora Sucker	Aquatic/Riparian	4	7,9,13,15

^A 1=Agua Fria Watershed, 2=Apache Peaks, 3=Arnett Creek, 4=Camp Creek/ New River Mesa, 5=Campaign Creek/Superstition Mountains, 6=Canyon Creek Complex, 7=Deadman Creek/ Mazatzal Wilderness, 8=Four Peaks, 9=Mogollon Canyons Complex, 10=Pinal Creek, 11=Pinal Mountains, 12=Pinto Creek/ Webster Mountain, 13=Salt/Verde/Tonto Creek, 14=Tonto National Forest, 15=Upper Verde River Watershed

Target Type / Scientific Name	Common Name	Habitat Type	# of Conservation Areas	Conservation Areas ^A
<i>Catostomus latipinnis</i>	Flannelmouth Sucker	Aquatic/Riparian	1	3
<i>Catostomus sp 3</i>	Little Colorado Sucker	Aquatic/Riparian	2	9,13
<i>Cyprinodon macularius</i>	Desert Pupfish	Aquatic/Riparian	1	1
<i>Cyprinodon macularius macularius</i>	Desert Pupfish	Aquatic/Riparian	3	1,3,13
<i>Gila elegans</i>	Bonytail Chub	Aquatic/Riparian	1	13
<i>Gila intermedia</i>	Gila Chub	Aquatic/Riparian	4	1,7,13,15
<i>Gila robusta</i>	Roundtail Chub	Aquatic/Riparian	5	1,7,9,13,15
<i>Lepidomeda vittata</i>	Lepidomeda	Aquatic/Riparian	1	13

Target Type / Scientific Name	Common Name	Habitat Type	# of Conservation Areas	Conservation Areas ^A
<i>Ursus americanus</i>	Black Bear	Terrestrial	10	1,2,4,5,6,7,8,11,13,15
<i>Zapus hudsonius luteus</i>	New Mexican Jumping Mouse	Aquatic/Riparian	1	13
Mollusk				
<i>Anodonta californiensis</i>	California Floater	Aquatic/Riparian	1	13
<i>Pyrgulopsis glandulosa</i>	Verde Rim Springsnail	Aquatic/Riparian	1	1
<i>Pyrgulopsis montezumensis</i>	Montezuma Well Springsnail	Aquatic/Riparian	1	15
<i>Pyrgulopsis morrisoni</i>	Page Springsnail	Aquatic/Riparian	1	15
<i>Pyrgulopsis simplex</i>	Fossil Springsnail	Aquatic/Riparian	1	15
<i>Pyrgulopsis sola</i>	Brown Springsnail	Aquatic/Riparian	1	15
<i>Pyrgulopsis trivialis</i>		Aquatic/Riparian	1	13
Reptile				
<i>Cnemidophorus flagellicaudus</i>	Gila Spotted Whiptail	Terrestrial	1	9
<i>Gopherus agassizii</i>	Desert Tortoise	Terrestrial	1	14
<i>Lampropeltis pyromelana</i>	Sonoran Mountain Kingsnake	Terrestrial	1	9
<i>Phyllorhynchus browni lucidus</i>	Maricopa Leafnose Snake	Terrestrial	2	3,13
<i>Thamnophis eques megalops</i>	Mexican Garter Snake	Aquatic/Riparian	3	1,13,15
<i>Thamnophis rufipunctatus</i>	Narrowhead Garter Snake	Aquatic/Riparian	4	6,9,13,15
<i>Xantusia vigilis</i>		Terrestrial	1	14
Plant-Vascular				
<i>Abutilon parishii</i>	Parish's Abutilon	Terrestrial	1	5
<i>Agave arizonica</i>	Arizona Agave	Terrestrial	3	1,4,13
<i>Agave delamateri</i>	Tonto Basin Agave	Terrestrial	4	8,10,13,15
<i>Agave murpheyi</i>	Murphy Agave	Terrestrial	3	1,3,13
<i>Allium gooddingii</i>	Goodding's Onion	Aquatic/Riparian	1	13
<i>Carex ultra</i>	Cochise Sedge	Aquatic/Riparian	1	15
<i>Castilleja mogollonica</i>		Terrestrial	1	13
<i>Cimicifuga arizonica</i>	Arizona Bugbane	Aquatic/Riparian	2	9,13
<i>Cirsium parryi ssp mogollonicum</i>		Terrestrial	1	9
<i>Clematis palmeri</i>		Terrestrial	1	13
<i>Echinocereus triglochidatus var. Arizonicus</i>	Arizona Hedgehog Cactus	Terrestrial	4	2,5,11,13
<i>Ericameria brachylepis</i>		Terrestrial	3	1,5,13
<i>Erigeron anchana</i>		Terrestrial	3	5,13,15
<i>Erigeron piscaticus</i>	Fish Creek Fleabane	Aquatic/Riparian	1	5

Target Type / Scientific Name	Common Name	Habitat Type	# of Conservation Areas	Conservation Areas ^A
<i>Erigeron pringlei</i>	Pringle's Fleabane	Terrestrial	1	11
<i>Erigeron saxatilis</i>		Terrestrial	1	9
<i>Eriogonum apachense</i>		Terrestrial	1	15
<i>Eriogonum ripleyi</i>	Ripley's Wild Buckwheat	Terrestrial	3	4,13,15
<i>Heuchera eastwoodiae</i>	Senator Mine Allum-Root	Terrestrial	2	1,9
<i>Hymenoxys ambigens</i> var. <i>Ambigens</i>	Pinaleno Mountains Rubberweed/Pinaleno Mountain Plummera	Terrestrial	1	11
<i>Hymenoxys jamesii</i>		Terrestrial	1	15
<i>Justicia candicans</i>		Terrestrial	2	5,13
<i>Lotus mearnsii</i> var. <i>Equisolensis</i>		Terrestrial	2	4,13
<i>Mabrya acerifolia</i>	Mapleleaf Snapdragon	Terrestrial	2	5,13
<i>Penstemon nudiflorus</i>	Flagstaff Beardtongue	Terrestrial	1	15
<i>Perityle gilensis</i> var. <i>Salensis</i>		Terrestrial	1	13
<i>Perityle saxicola</i>	Fish Creek Rockdaisy	Terrestrial	2	5,13
<i>Potentilla multifoliolata</i>		Terrestrial	1	9
<i>Purshia subintegra</i>	Arizona Cliff Rose	Terrestrial	2	13,15
<i>Rumex orthoneurus</i>	Bloomer's Dock	Aquatic/Riparian	4	6,9,13,15
<i>Salvia amissa</i>	Catalina Mountain Sage	Aquatic/Riparian	1	13
<i>Salvia davidsonii</i>		Terrestrial	1	13
<i>Salvia dorrii</i> ssp. <i>mearnsii</i>		Terrestrial	1	15
<i>Senecio neomexicanus</i> var. <i>Metcalfei</i>	Metcalf's Groundsel	Terrestrial	1	13
<i>Senecio quaerens</i>	New Mexico Groundsel	Terrestrial	1	13
<i>Talinum validulum</i>	Western Flame Flower	Terrestrial	1	15
<i>Washingtonia filifera</i>		Aquatic/Riparian	1	1
Community				
Blue Spruce Forest Community (specific)		Terrestrial	1	13
Cienega		Aquatic/Riparian	4	1,8,13,15
Ponderosa Pine Forest Community (specific)		Terrestrial	2	9,13
Subalpine Forest Community (specific)		Terrestrial	1	9
White Fir Forest Community (specific)		Terrestrial	6	9
Ecological System				
Apachean Grassland and Savanna Condition Class A		Terrestrial	4	1,7,13,15
Apachean Grassland and Savanna Condition Class A&B		Terrestrial	2	1,15
Apachean Grassland and Savanna Condition Class B		Terrestrial	5	1,2,7,13,15

Target Type / Scientific Name	Common Name	Habitat Type	# of Conservation Areas	Conservation Areas ^A
Apachean Shrubland		Terrestrial	8	1,2,4,7,10,11,13,15
Desert Wash		Aquatic/Riparian	4	7,12,13,15
Interior Chaparral		Terrestrial	11	1,2,4,5,7,8,10,11,12,13,15
Madrean Encinal		Terrestrial	4	7,11,13,15
Madrean Oak-Pine Woodland		Terrestrial	5	5,8,11,12,13
Montane Grassland		Terrestrial	1	6
Montane Mixed Forest		Terrestrial	5	5,9,11,13,15
Montane Riparian Woodland and Shrubland		Aquatic/Riparian	6	1,5,6,7,13,15
Pinyon-Juniper Woodland		Terrestrial	11	1,2,4,5,7,8,10,11,12,13,15
Playa		Aquatic/Riparian	2	4,15
Ponderosa Pine Forest and Woodland		Terrestrial	6	2,6,7,8,13,15
Riparian Woodland		Aquatic/Riparian	6	1,5,7,12,13,15
Sonoran Desert Scrub		Terrestrial	10	1,2,4,5,7,8,10,11,13,15
Feature				
Ecological gradient		Terrestrial	1	1
Riparian habitat and watershed, springs.		Aquatic/Riparian	1	9
Streams, springs and sinks (group)		Aquatic/Riparian	1	3

Appendix 12-C. Conservation targets associated with 15 conservation areas that overlap the Tonto National Forest in Arizona.

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Agua Fria Watershed					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Amphibian	<i>Bufo microscaphus microscaphus</i>		Aquatic/Riparian	G3	
Bird	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Terrestrial	G4	PS:LT, PDL
Bird	<i>Buteo albonotatus</i>	Zone-Tailed Hawk	Aquatic/Riparian	G4	
Bird	<i>Buteogallus anthracinus</i>	Common Black-Hawk	Aquatic/Riparian	G4	
Bird	<i>Coccyzus americanus occidentalis</i>	Western Yellow-Billed Cuckoo	Aquatic/Riparian	G3	C
Fish	<i>Agosia chrysogaster</i>	Longfin Dace	Aquatic/Riparian	G4	SC
Fish	<i>Cyprinodon macularius</i>	Desert Pupfish	Aquatic/Riparian	G1	LE
Fish	<i>Cyprinodon macularius macularius</i>	Desert Pupfish	Aquatic/Riparian	G1	LE
Fish	<i>Gila robusta</i>	Roundtail Chub	Aquatic/Riparian	G3	PS
Fish	<i>Catostomus clarki</i>	Desert Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Poeciliopsis occidentalis occidentalis</i>	Gila Topminnow Intraspecific.	Aquatic/Riparian	G3	LE
Fish	<i>Rhinichthys osculus</i>	Speckled Dace	Aquatic/Riparian	G5	PS
Fish	<i>Gila intermedia</i>	Gila Chub	Aquatic/Riparian	G2	PE
Insect	<i>Cicindela oregona maricopa</i>	Maricopa Tiger Beetle	Aquatic/Riparian	G3	
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Mammal	<i>Sciurus arizonensis</i>	Arizona Gray Squirrel	Terrestrial	G4	
Mammal	<i>Nyctinomops femorosaccus</i>	Pocketed Free-Tailed Bat	Terrestrial	G4	
Mammal	<i>Myotis lucifugus occultus</i>		Terrestrial	G3	
Mammal	<i>Antilocapra americana</i>	Pronghorn	Terrestrial	G5	
Mammal	<i>Macrotus californicus</i>	California Leaf-Nosed Bat	Terrestrial	G4	
Mammal	<i>Myotis velifer</i>	Cave Myotis Bat	Terrestrial	G5	
Mollusk	<i>Pyrgulopsis glandulosa</i>	Verde Rim Springsnail	Aquatic/Riparian	G1	
Reptile	<i>Thamnophis eques megalops</i>	Mexican Garter Snake	Aquatic/Riparian	G3	
Plant-Vascular	<i>Washingtonia filifera</i>		Aquatic/Riparian	G2	
Plant-Vascular	<i>Agave arizonica</i>	Arizona Agave	Terrestrial	G1	LE
Plant-Vascular	<i>Agave murpheyi</i>	Murphy Agave	Terrestrial	G2	SC
Plant-Vascular	<i>Heuchera eastwoodiae</i>	Senator Mine Allum-Root	Terrestrial	G3	
Plant-Vascular	<i>Ericameria brachylepis</i>		Terrestrial	G4	
Community	Cienega		Aquatic/Riparian	GU	
Ecological System	Apachean Shrubland		Terrestrial	GU	
Ecological System	Pinyon-Juniper Woodland		Terrestrial	GU	
Ecological System	Riparian Woodland		Aquatic/Riparian	GU	

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Interior Chaparral		Terrestrial	GU	
Ecological System	Montane Riparian Woodland and Shrubland		Aquatic/Riparian	GU	
Ecological System	Apachean Grassland and Savanna Condition Class A		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class A&B		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class B		Terrestrial	GU	
Feature	Ecological gradient		Terrestrial	GU	
Apache Peaks					
Mammal	<i>Corynorhinus townsendii pallescens</i>	Pale Lump-nosed Bat	Terrestrial	G4	
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Mammal	<i>Myotis velifer</i>	Cave Myotis Bat	Terrestrial	G5	
Plant-Vascular	<i>Echinocereus triglochidatus var. arizonicus</i>	Arizona Hedgehog Cactus	Terrestrial	G2	LE
Ecological System	Apachean Shrubland		Terrestrial	GU	
Ecological System	Pinyon-Juniper Woodland		Terrestrial	GU	
Ecological System	Ponderosa Pine Forest and Woodland		Terrestrial	GU	
Ecological System	Interior Chaparral		Terrestrial	GU	
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class B		Terrestrial	GU	
Arnett Creek					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Fish	<i>Poeciliopsis occidentalis occidentalis</i>	Gila Topminnow Intraspecific.	Aquatic/Riparian	G3	LE
Fish	<i>Cyprinodon macularius macularius</i>	Desert Pupfish	Aquatic/Riparian	G1	LE
Fish	<i>Catostomus latipinnis</i>	Flannelmouth Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Catostomus clarki</i>	Desert Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Agosia chrysogaster</i>	Longfin Dace	Aquatic/Riparian	G4	SC
Mammal	<i>Nyctinomops femorosaccus</i>	Pocketed Free-Tailed Bat	Terrestrial	G4	
Reptile	<i>Phyllorhynchus browni lucidus</i>	Maricopa Leafnose Snake	Terrestrial	G2	
Plant-Vascular	<i>Agave murpheyi</i>	Murphy Agave	Terrestrial	G2	SC
Feature	Streams, springs and sinks (group)		Aquatic/Riparian	GU	
Camp Creek/ New River Mesa					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Amphibian	<i>Bufo microscaphus microscaphus</i>		Aquatic/Riparian	G3	
Bird	<i>Buteogallus anthracinus</i>	Common Black-Hawk	Aquatic/Riparian	G4	
Bird	<i>Buteo albonotatus</i>	Zone-Tailed Hawk	Aquatic/Riparian	G4	

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Fish	<i>Agosia chrysogaster</i>	Longfin Dace	Aquatic/Riparian	G4	SC
Fish	<i>Rhinichthys osculus</i>	Speckled Dace	Aquatic/Riparian	G5	PS
Fish	<i>Poeciliopsis occidentalis occidentalis</i>	Gila Topminnow Intraspecific.	Aquatic/Riparian	G3	LE
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Plant-Vascular	<i>Lotus mearnsii</i> var. <i>equisolensis</i>		Terrestrial	G1	
Plant-Vascular	<i>Agave arizonica</i>	Arizona Agave	Terrestrial	G1	LE
Plant-Vascular	<i>Eriogonum ripleyi</i>	Ripley's Wild Buckwheat	Terrestrial	G2	
Ecological System	Interior Chaparral		Terrestrial	GU	
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Apachean Shrubland		Terrestrial	GU	
Ecological System	Pinyon-Juniper Woodland		Terrestrial	GU	
Ecological System	Playa		Aquatic/Riparian	GU	
Campaign Creek/Superstition Mountains					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Bird	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Terrestrial	G3	LT
Bird	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	Terrestrial	G3	
Fish	<i>Agosia chrysogaster</i>	Longfin Dace	Aquatic/Riparian	G4	SC
Fish	<i>Poeciliopsis occidentalis occidentalis</i>	Gila Topminnow Intraspecific.	Aquatic/Riparian	G3	LE
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Plant-Vascular	<i>Perityle saxicola</i>	Fish Creek Rockdaisy	Terrestrial	G1	
Plant-Vascular	<i>Justicia candidans</i>		Terrestrial	G4	
Plant-Vascular	<i>Mabrya acerifolia</i>	Mapleleaf Snapdragon	Terrestrial	G2	
Plant-Vascular	<i>Abutilon parishii</i>	Parish's Abutilon	Terrestrial	G2	
Plant-Vascular	<i>Erigeron anchana</i>		Terrestrial	G2	
Plant-Vascular	<i>Erigeron piscaticus</i>	Fish Creek Fleabane	Aquatic/Riparian	G1	
Plant-Vascular	<i>Ericameria brachylepis</i>		Terrestrial	G4	
Plant-Vascular	<i>Echinocereus triglochidatus</i> var. <i>arizonicus</i>	Arizona Hedgehog Cactus	Terrestrial	G2	LE
Ecological System	Interior Chaparral		Terrestrial	GU	
Ecological System	Montane Riparian Woodland and Shrubland		Aquatic/Riparian	GU	
Ecological System	Montane Mixed Forest		Terrestrial	GU	
Ecological System	Riparian Woodland		Aquatic/Riparian	GU	
Ecological System	Pinyon-Juniper Woodland		Terrestrial	GU	
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Madrean Oak-Pine Woodland		Terrestrial	GU	

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Canyon Creek Complex					
Amphibian	<i>Rana pipiens</i>	Northern Leopard Frog	Aquatic/Riparian	G5	
Amphibian	<i>Hyla eximia</i>	Mountain Treefrog	Aquatic/Riparian	G4	
Bird	<i>Buteogallus anthracinus</i>	Common Black-Hawk	Aquatic/Riparian	G4	
Bird	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Terrestrial	G3	LT
Bird	<i>Ceryle alcyon</i>	Belted Kingfisher	Aquatic/Riparian	G5	
Bird	<i>Accipiter gentilis</i>	Northern Goshawk	Terrestrial	G5	
Fish	<i>Catostomus clarki</i>	Desert Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Rhinichthys osculus</i>	Speckled Dace	Aquatic/Riparian	G5	PS
Mammal	<i>Sciurus arizonensis</i>	Arizona Gray Squirrel	Terrestrial	G4	
Mammal	<i>Myotis thysanodes</i>	Fringed Myotis Bat	Terrestrial	G4	
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Reptile	<i>Thamnophis rufipunctatus</i>	Narrowhead Garter Snake	Aquatic/Riparian	G3	
Plant-Vascular	<i>Rumex orthoneurus</i>	Bloomer's Dock	Aquatic/Riparian	G3	
Ecological System	Montane Riparian Woodland and Shrubland		Aquatic/Riparian	GU	
Ecological System	Ponderosa Pine Forest and Woodland		Terrestrial	GU	
Ecological System	Montane Grassland		Terrestrial	GU	
Deadman Creek/ Mazatzal Wilderness					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Bird	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Terrestrial	G3	LT
Fish	<i>Gila intermedia</i>	Gila Chub	Aquatic/Riparian	G2	PE
Fish	<i>Gila robusta</i>	Roundtail Chub	Aquatic/Riparian	G3	PS
Fish	<i>Catostomus insignis</i>	Sonora Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Catostomus clarki</i>	Desert Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Rhinichthys osculus</i>	Speckled Dace	Aquatic/Riparian	G5	PS
Mammal	<i>Sciurus arizonensis</i>	Arizona Gray Squirrel	Terrestrial	G4	
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Ecological System	Ponderosa Pine Forest and Woodland		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class A		Terrestrial	GU	
Ecological System	Montane Riparian Woodland and Shrubland		Aquatic/Riparian	GU	
Ecological System	Apachean Shrubland		Terrestrial	GU	
Ecological System	Interior Chaparral		Terrestrial	GU	
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Riparian Woodland		Aquatic/Riparian	GU	
Ecological System	Pinyon-Juniper Woodland		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class B		Terrestrial	GU	
Ecological System	Madrean Encinal		Terrestrial	GU	

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Ecological System	Desert Wash		Aquatic/Riparian	GU	
Four Peaks					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Mammal	<i>Sciurus arizonensis</i>	Arizona Gray Squirrel	Terrestrial	G4	
Plant-Vascular Community	<i>Agave delamateri</i> Cienega	Tonto Basin Agave	Terrestrial	G2	
Ecological System	Pinyon-Juniper Woodland		Aquatic/Riparian	GU	
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Madrean Oak-Pine Woodland		Terrestrial	GU	
Ecological System	Interior Chaparral		Terrestrial	GU	
Ecological System	Ponderosa Pine Forest and Woodland		Terrestrial	GU	
Mogollon Canyons Complex					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Amphibian	<i>Bufo microscaphus microscaphus</i>		Aquatic/Riparian	G3	
Amphibian	<i>Hyla eximia</i>	Mountain Treefrog	Aquatic/Riparian	G4	
Amphibian	<i>Rana chiricahuensis</i>	Chiricahua Leopard Frog	Aquatic/Riparian	G3	LT
Bird	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Terrestrial	G3	LT
Bird	<i>Accipiter gentilis</i>	Northern Goshawk	Terrestrial	G5	
Fish	<i>Catostomus clarki</i>	Desert Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Gila robusta</i>	Roundtail Chub	Aquatic/Riparian	G3	PS
Fish	<i>Lepidomeda vittata</i>	Little Colorado Spinedace	Aquatic/Riparian	G1	LT
Fish	<i>Catostomus sp 3</i>	Little Colorado Sucker	Aquatic/Riparian	G2	SC
Fish	<i>Catostomus insignis</i>	Sonora Sucker	Aquatic/Riparian	G3	SC
Insect	<i>Cicindela oregona maricopa</i>	Maricopa Tiger Beetle	Aquatic/Riparian	G3	
Reptile	<i>Thamnophis rufipunctatus</i>	Narrowhead Garter Snake	Aquatic/Riparian	G3	
Reptile	<i>Cnemidophorus flagellicaudus</i>	Gila Spotted Whiptail	Terrestrial	G4	
Reptile	<i>Lampropeltis pyromelana</i>	Sonoran Mountain Kingsnake	Terrestrial	G5	
Plant-Vascular	<i>Potentilla multifoliolata</i>		Terrestrial	G4	
Plant-Vascular	<i>Cimicifuga arizonica</i>	Arizona Bugbane	Aquatic/Riparian	G2	
Plant-Vascular	<i>Rumex orthoneurus</i>	Bloomer's Dock	Aquatic/Riparian	G3	
Plant-Vascular	<i>Cirsium parryi ssp mogollonicum</i>		Terrestrial	G1	
Plant-Vascular	<i>Heuchera eastwoodiae</i>	Senator Mine Allum-Root	Terrestrial	G3	
Plant-Vascular	<i>Erigeron saxatilis</i>		Terrestrial	G3	
Community	White Fir Forest Community (6 specific occurrences)		Terrestrial	GU	
Community	Subalpine Forest Community (specific)		Terrestrial	GU	

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Community	Ponderosa Pine Forest Community (7 specific occurrences)		Terrestrial	GU	
Ecological System	Montane Mixed Forest		Terrestrial	GU	
Feature	Riparian habitat and watershed, springs.		Aquatic/Riparian	G4	
Pinal Creek					
Plant-Vascular	<i>Agave delamateri</i>	Tonto Basin Agave	Terrestrial	G2	
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Interior Chaparral		Terrestrial	GU	
Ecological System	Apachean Shrubland		Terrestrial	GU	
Ecological System	Pinyon-Juniper Woodland		Terrestrial	GU	
Pinal Mountains					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Bird	<i>Buteo albonotatus</i>	Zone-Tailed Hawk	Aquatic/Riparian	G4	
Bird	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Terrestrial	G3	LT
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Mammal	<i>Myotis lucifugus occultus</i>		Terrestrial	G3	
	<i>Echinocereus triglochidatus var.</i>				
Plant-Vascular	<i>arizonicus</i>	Arizona Hedgehog Cactus	Terrestrial	G2	LE
Plant-Vascular	<i>Erigeron pringlei</i>	Pringle's Fleabane	Terrestrial	G2	
		Pinaleno Mountains Rubberweed/Pinaleno			
Plant-Vascular	<i>Hymenoxys ambigens var. ambigens</i>	Mountain Plummera	Terrestrial	G1	
Ecological System	Pinyon-Juniper Woodland		Terrestrial	GU	
Ecological System	Montane Mixed Forest		Terrestrial	GU	
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Madrean Encinal		Terrestrial	GU	
Ecological System	Madrean Oak-Pine Woodland		Terrestrial	GU	
Ecological System	Apachean Shrubland		Terrestrial	GU	
Ecological System	Interior Chaparral		Terrestrial	GU	
Pinto Creek/ Webster Mountain					
Amphibian	<i>Bufo microscaphus microscaphus</i>		Aquatic/Riparian	G3	
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Insect	<i>Cicindela oregona maricopa</i>				

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Ecological System	Desert Wash		Aquatic/Riparian	GU	
Salt/Verde/Tonto Creek					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Amphibian	<i>Bufo microscaphus microscaphus</i>		Aquatic/Riparian	G3	
Amphibian	<i>Hyla eximia</i>	Mountain Treefrog	Aquatic/Riparian	G4	
Amphibian	<i>Rana chiricahuensis</i>	Chiricahua Leopard Frog	Aquatic/Riparian	G3	LT
Bird	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Terrestrial	G3	LT
Bird	<i>Accipiter gentilis</i>	Northern Goshawk	Terrestrial	G5	
Bird	<i>Coccyzus americanus occidentalis</i>	Western Yellow-Billed Cuckoo	Aquatic/Riparian	G3	C
Bird	<i>Pipilo aberti</i>	Abert's Towhee	Aquatic/Riparian	G3	
Bird	<i>Buteogallus anthracinus</i>	Common Black-Hawk	Aquatic/Riparian	G4	
Bird	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Terrestrial	G4	PS:LT, PDL
Bird	<i>Glauclidium brasilianum cactorum</i>	Cactus Ferruginous Pygmy Owl	Terrestrial	G3	LE
Bird	<i>Rallus longirostris yumanensis</i>	Yuma Clapper Rail	Aquatic/Riparian	G3	LE
Bird	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	Terrestrial	G3	
Bird	<i>Colaptes chrysoides</i>	Gilded Flicker	Terrestrial	G5	
Bird	<i>Cinclus mexicanus</i>	American Dipper	Aquatic/Riparian	G5	
Bird	<i>Empidonax traillii extimus</i>	Southwest Willow Flycatcher	Aquatic/Riparian	G2	LE
Bird	<i>Dendroica petechia</i>	Yellow Warbler	Aquatic/Riparian	G3	
Fish	<i>Catostomus clarki</i>	Desert Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Agosia chrysogaster</i>	Longfin Dace	Aquatic/Riparian	G4	SC
Fish	<i>Catostomus insignis</i>	Sonora Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Poeciliopsis occidentalis occidentalis</i>	Gila Topminnow Intraspecific.	Aquatic/Riparian	G3	LE
Fish	<i>Rhinichthys cobitis</i>	Loach Minnow	Aquatic/Riparian	G2	LT
Fish	<i>Cyprinodon macularius macularius</i>	Desert Pupfish	Aquatic/Riparian	G1	LE
Fish	<i>Poeciliopsis occidentalis</i>		Aquatic/Riparian	G3	LE
Fish	<i>Meda fulgida</i>	Spikedace	Aquatic/Riparian	G2	LT
Fish	<i>Plagopterus argentissimus</i>	Woundfin	Aquatic/Riparian	G1	LE
Fish	<i>Gila elegans</i>	Bonytail Chub	Aquatic/Riparian	G1	LE
Fish	<i>Gila intermedia</i>	Gila Chub	Aquatic/Riparian	G2	PE
Fish	<i>Rhinichthys osculus</i>	Speckled Dace	Aquatic/Riparian	G5	PS
Fish	<i>Gila robusta</i>	Roundtail Chub	Aquatic/Riparian	G3	PS
Fish	<i>Catostomus sp 3</i>	Little Colorado Sucker	Aquatic/Riparian	G2	SC
Fish	<i>Ptychocheilus lucius</i>	Colorado Pikeminnow	Aquatic/Riparian	G1	LE,XN
Insect	<i>Cicindela oregona maricopa</i>	Maricopa Tiger Beetle	Aquatic/Riparian	G3	
Insect	<i>Psephenus montanus</i>	White Mountains Water Penny Beetle	Aquatic/Riparian	G2	SC

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Insect	<i>Agathon arizonicus</i>		Terrestrial	G1	
Mammal	<i>Sorex nanus</i>	Dwarf Shrew	Terrestrial	G4	
Mammal	<i>Sciurus arizonensis</i>	Arizona Gray Squirrel	Terrestrial	G4	
Mammal	<i>Myotis velifer</i>	Cave Myotis Bat	Terrestrial	G5	
Mammal	<i>Myotis lucifugus occultus</i>		Terrestrial	G3	
Mammal	<i>Corynorhinus townsendii pallescens</i>	Pale Lump-nosed Bat	Terrestrial	G4	
Mammal	<i>Macrotus californicus</i>	California Leaf-Nosed Bat	Terrestrial	G4	
Mammal	<i>Zapus hudsonius luteus</i>	New Mexican Jumping Mouse	Aquatic/Riparian	G2	SC
Mammal	<i>Myotis thysanodes</i>	Fringed Myotis Bat	Terrestrial	G4	
Mammal	<i>Idionycteris phyllotis</i>	Allen's Big-Eared Bat	Terrestrial	G3	
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Mollusk	<i>Anodonta californiensis</i>	California Floater	Aquatic/Riparian	G4	SC
Mollusk	<i>Pyrgulopsis trivialis</i>		Aquatic/Riparian	G1	SC
Reptile	<i>Thamnophis rufipunctatus</i>	Narrowhead Garter Snake	Aquatic/Riparian	G3	
Reptile	<i>Phyllorhynchus browni lucidus</i>	Maricopa Leafnose Snake	Terrestrial	G2	
Reptile	<i>Thamnophis eques megalops</i>	Mexican Garter Snake	Aquatic/Riparian	G3	
Plant-Vascular	<i>Purshia subintegra</i>	Arizona Cliff Rose	Terrestrial	G1	LE
Plant-Vascular	<i>Perityle gilensis var. Salensis</i>		Terrestrial	G2	
Plant-Vascular	<i>Senecio quaerens</i>	New Mexico Groundsel	Terrestrial	G2	SC
Plant-Vascular	<i>Ericameria brachylepis</i>		Terrestrial	G4	
Plant-Vascular	<i>Perityle saxicola</i>	Fish Creek Rockdaisy	Terrestrial	G1	
Plant-Vascular	<i>Castilleja mogollonica</i>		Terrestrial	G1	SC
Plant-Vascular	<i>Agave arizonica</i>	Arizona Agave	Terrestrial	G1	LE
Plant-Vascular	<i>Lotus mearnsii var. equisolensis</i>		Terrestrial	G1	
Plant-Vascular	<i>Eriogonum ripleyi</i>	Ripley's Wild Buckwheat	Terrestrial	G2	
Plant-Vascular	<i>Mabrya acerifolia</i>	Mapleleaf Snapdragon	Terrestrial	G2	
Plant-Vascular	<i>Justicia candicans</i>	Mapleleaf Snapdragon	Terrestrial	G2	

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Plant-Vascular Community	<i>Allium gooddingii</i>	Goodding's Onion	Aquatic/Riparian	G4	
Community	Blue Spruce Forest Community (specific)		Terrestrial	GU	
Community	Ponderosa Pine Forest Community (specific)		Terrestrial	GU	
Community	Cienega		Aquatic/Riparian	GU	
Ecological System	Montane Mixed Forest		Terrestrial	GU	
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Interior Chaparral		Terrestrial	GU	
Ecological System	Pinyon-Juniper Woodland		Terrestrial	GU	
Ecological System	Riparian Woodland		Aquatic/Riparian	GU	
Ecological System	Madrean Oak-Pine Woodland		Terrestrial	GU	
Ecological System	Ponderosa Pine Forest and Woodland		Terrestrial	GU	
Ecological System	Montane Riparian Woodland and Shrubland		Aquatic/Riparian	GU	
Ecological System	Madrean Encinal		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class A		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class B		Terrestrial	GU	
Ecological System	Desert Wash		Aquatic/Riparian	GU	
Ecological System	Apachean Shrubland		Terrestrial	GU	
Tonto National Forest					
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Fish	<i>Poeciliopsis occidentalis occidentalis</i>	Gila Topminnow Intraspecific.	Aquatic/Riparian	G3	LE
Insect	<i>Cicindela oregona maricopa</i>	Maricopa Tiger Beetle	Aquatic/Riparian	G3	
Reptile	<i>Gopherus agassizii</i>	Desert Tortoise	Terrestrial	G4	LT,T(
Reptile	<i>Xantusia vigilis</i>		Terrestrial	G5	
Upper Verde River Watershed					
Amphibian	<i>Bufo microscaphus microscaphus</i>		Aquatic/Riparian	G3	
Amphibian	<i>Rana yavapaiensis</i>	Yavapi Leopard Frog	Aquatic/Riparian	G4	
Amphibian	<i>Hyla eximia</i>	Mountain Treefrog	Aquatic/Riparian	G4	
Amphibian	<i>Rana chiricahuensis</i>	Chiricahua Leopard Frog	Aquatic/Riparian	G3	LT
Amphibian	<i>Rana pipiens</i>	Northern Leopard Frog	Aquatic/Riparian	G5	
Bird	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Terrestrial	G4	PS:LT, PDL
Bird	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	Terrestrial	G3	
Bird	<i>Buteogallus anthracinus</i>	Common Black-Hawk	Aquatic/Riparian	G4	
Bird	<i>Ceryle alcyon</i>	Belted Kingfisher	Aquatic/Riparian	G5	
Bird	<i>Accipiter gentilis</i>	Northern Goshawk	Terrestrial	G5	
Bird	<i>Empidonax traillii extimus</i>	Southwest Willow Flycatcher	Aquatic/Riparian	G2	LE

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Bird	<i>Coccyzus americanus occidentalis</i>	Western Yellow-Billed Cuckoo	Aquatic/Riparian	G3	C
Bird	<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	Terrestrial	G3	LT
Fish	<i>Gila intermedia</i>	Gila Chub	Aquatic/Riparian	G2	PE
Fish	<i>Meda fulgida</i>	Spikedace	Aquatic/Riparian	G2	LT
Fish	<i>Catostomus clarki</i>	Desert Sucker	Aquatic/Riparian	G3	SC
Fish	<i>Rhinichthys osculus</i>	Speckled Dace	Aquatic/Riparian	G5	PS
Fish	<i>Agosia chrysogaster</i>	Longfin Dace	Aquatic/Riparian	G4	SC
Fish	<i>Poeciliopsis occidentalis occidentalis</i>	Gila Topminnow Infrspecific.	Aquatic/Riparian	G3	LE
Fish	<i>Gila robusta</i>	Roundtail Chub	Aquatic/Riparian	G3	PS
Fish	<i>Catostomus insignis</i>	Sonora Sucker	Aquatic/Riparian	G3	SC
Insect	<i>Cylloepus parkeri</i>	Parker's Cylloepus Riffle Beetle	Aquatic/Riparian	G1	
Insect	<i>Metrichia volada</i>		Aquatic/Riparian	GU	
Insect	<i>Abedus herberti</i>	Giant Water Bug	Aquatic/Riparian	GU	
Insect	<i>Cicindela oregona maricopa</i>	Maricopa Tiger Beetle	Aquatic/Riparian	G3	
Mammal	<i>Myotis lucifugus occultus</i>		Terrestrial	G3	
Mammal	<i>Antilocapra americana</i>	Pronghorn	Terrestrial	G5	
Mammal	<i>Ursus americanus</i>	Black Bear	Terrestrial	G5	
Mammal	<i>Myotis thysanodes</i>	Fringed Myotis Bat	Terrestrial	G4	
Mammal	<i>Sciurus arizonensis</i>	Arizona Gray Squirrel	Terrestrial	G4	
Mammal	<i>Nyctinomops macrotis</i>	Big Free-Tailed Bat	Terrestrial	G5	
Mollusk	<i>Pyrgulopsis sola</i>	Brown Springsnail	Aquatic/Riparian	G1	
Mollusk	<i>Pyrgulopsis morrisoni</i>	Page Springsnail	Aquatic/Riparian	G1	C
Mollusk	<i>Pyrgulopsis simplex</i>	Fossil Springsnail	Aquatic/Riparian	G1	
Mollusk	<i>Pyrgulopsis montezumensis</i>	Montezuma Well Springsnail	Aquatic/Riparian	G1	
Reptile	<i>Thamnophis eques megalops</i>	Mexican Garter Snake	Aquatic/Riparian	G3	
Reptile	<i>Thamnophis rufipunctatus</i>	Narrowhead Garter Snake	Aquatic/Riparian	G3	
Plant-Vascular	<i>Eriogonum apachense</i>		Terrestrial	G1	
Plant-Vascular	<i>Erigeron anchana</i>		Terrestrial	G2	
Plant-Vascular	<i>Eriogonum ripleyi</i>	Ripley's Wild Buckwheat	Terrestrial	G2	
Plant-Vascular	<i>Talinum validulum</i>	Western Flame Flower	Terrestrial	G3	
Plant-Vascular	<i>Carex ultra</i>	Cochise Sedge	Aquatic/Riparian	G3	
Plant-Vascular	<i>Purshia subintegra</i>	Arizona Cliff Rose	Terrestrial	G1	LE
Plant-Vascular	<i>Penstemon nudiflorus</i>	Flagstaff Beardtongue	Terrestrial	G2	
Plant-Vascular	<i>Salvia dorrii ssp mearnsii</i>		Terrestrial	G3	
Plant-Vascular	<i>Rumex orthoneurus</i>	Bloomer's Dock	Aquatic/Riparian	G3	
Plant-Vascular	<i>Agave delamateri</i>	Tonto Basin Agave	Terrestrial	G2	
Plant-Vascular	<i>Hymenoxys jamesii</i>		Terrestrial	G2	
Community	Cienega		Aquatic/Riparian	GU	

Conservation Area/ Target Type	Scientific Name	Common Name	Habitat Type	Global Rank	ESA Status
Ecological System	Interior Chaparral		Terrestrial	GU	
Ecological System	Apachean Shrubland		Terrestrial	GU	
Ecological System	Ponderosa Pine Forest and Woodland		Terrestrial	GU	
Ecological System	Montane Riparian Woodland and Shrubland		Aquatic/Riparian	GU	
Ecological System	Playa		Aquatic/Riparian	GU	
Ecological System	Pinyon-Juniper Woodland		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class A		Terrestrial	GU	
Ecological System	Montane Mixed Forest		Terrestrial	GU	
Ecological System	Sonoran Desert Scrub		Terrestrial	GU	
Ecological System	Madrean Encinal		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class B		Terrestrial	GU	
Ecological System	Apachean Grassland and Savanna Condition Class A&B		Terrestrial	GU	
Ecological System	Desert Wash		Aquatic/Riparian	GU	
Ecological System	Riparian Woodland		Aquatic/Riparian	GU	