

APPENDIX D
THREATENED AND ENDANGERED SPECIES LIST



COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Apache	PLANT	Stellaria porsildii	Porsild's Starwort				S				PDCAR0X160	S1	G1
Apache	PLANT	Streptopus amplexifolius	White Mandarin Twisted Stalk							SR	PMLIL1X010	S2S3	G5
Apache	PLANT	Talinum gooddingii	Goodding's Flameflower								PDPOR08090	S1	G1Q
Apache	PLANT	Thalictrum dasycarpum	Purple Meadow Rue								PDRAN0M060	S2	G5
Apache	PLANT	Trifolium neurophyllum	White Mountains Clover	SC			S				PDFAB401N0	S2	G2
Apache	PLANT	Zigadenus vaginatus	Sheathed Deathcamas					3			PMLIL280C0	S1	G2
Apache	PLANT	Zigadenus virescens	Green Death Camas							SR	PMLIL280E0	S4	G4
Apache	REPTILE	Chrysemys picta bellii	Western Painted Turtle						A		ARAAD01011	S1SE2	G5T5
Apache	REPTILE	Coluber constrictor	Racer						A		ARADB07010	S1	G5
Apache	REPTILE	Crotalus viridis	Prairie Rattlesnake						PR		ARADE02120	S1	G5
Apache	REPTILE	Lampropeltis triangulum taylori	Utah Milksnake					4			ARADB19058	S2	G5T4Q
Apache	REPTILE	Phrynosoma hernandesi	Greater Short-horned Lizard								ARACF12080	S4	G5
Apache	REPTILE	Plestiodon multivirgatus epipleurotus	Variable Skink						PR		ARACH01091	S3S4	G5T5
Apache	REPTILE	Thamnophis eques megalops	Northern Mexican Gartersnake	C*			S		A	WSC	ARADB36061	S1	G5T5
Apache	REPTILE	Thamnophis rufipunctatus	Narrow-headed Gartersnake	SC			S			WSC	ARADB36110	S1	G3G4
Cochise	AMPHIBIAN	Ambystoma mavortium stebbinsi	Sonora Tiger Salamander	LE						WSC	AAAAA01145	S1	G5T1T2
Cochise	AMPHIBIAN	Anaxyrus debilis insidiosus	Western Green Toad						PR		AAABB01062	S3	G5T5
Cochise	AMPHIBIAN	Craugastor augusti cactorum	Western Barking Frog				S			WSC	AAABD04171	S2	G5T5
Cochise	AMPHIBIAN	Hyla wrightorum (Huachuca/Canelo Pop.)	Arizona Treefrog (Huachuca/Canelo Pop.)	C,DPS							AAABC02082	S1	G4T2
Cochise	AMPHIBIAN	Lithobates chiricahuensis	Chiricahua Leopard Frog	LT		Y			A	WSC	AAABH01080	S2	G3
Cochise	AMPHIBIAN	Rana blairi	Plains Leopard Frog		S		S			WSC	AAABH01040	S1	G5
Cochise	AMPHIBIAN	Rana yavapaiensis	Lowland Leopard Frog	SC	S		S		PR	WSC	AAABH01250	S3	G4
Cochise	AMPHIBIAN	Spea bombifrons	Plains Spadefoot								AAABF02010	S4	G5
Cochise	BIRD	Accipiter gentilis	Northern Goshawk	SC	S		S	4	A	WSC	ABNKC12060	S3B	G5
Cochise	BIRD	Amazilia beryllina	Berylline Hummingbird								ABNUC29080	S1	G4

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Cochise	BIRD	Amazilia violiceps	Violet-crowned Hummingbird				S			WSC	ABNUC29150	S3	G5
Cochise	BIRD	Ammodramus bairdii	Baird's Sparrow	SC			S			WSC	ABPBXA0010	S2N	G4
Cochise	BIRD	Ammodramus savannarum ammolegus	Arizona grasshopper sparrow		S		S				ABPBXA0021	S1S2	G5TU
Cochise	BIRD	Anas platyrhynchos diazi	Mexican Duck						A		ABNJB10062	S4	G5T5
Cochise	BIRD	Anthus spragueii	Sprague's Pipit	C*						WSC	ABPBM02060	S2N	G4
Cochise	BIRD	Antrostomus ridgwayi	Buff-collared Nightjar				S				ABNTA07060	S2S3	G5
Cochise	BIRD	Aquila chrysaetos	Golden Eagle		S			3	A		ABNKC22010	S4	G5
Cochise	BIRD	Ardea herodias	Great Blue Heron								ABNGA04010	S5	G5
Cochise	BIRD	Athene cunicularia hypugaea	Western Burrowing Owl	SC	S		S	4	PR		ABNSB10012	S3	G4T4
Cochise	BIRD	Basileuterus rufifrons	Rufous-capped Warbler								ABPBX21020	SAB	G4G5
Cochise	BIRD	Buteo albonotatus	Zone-tailed Hawk				S		PR		ABNKC19090	S4	G4
Cochise	BIRD	Buteo plagiatus	Gray Hawk	SC			S			WSC	ABNKC19150	S3	G5
Cochise	BIRD	Buteo swainsoni	Swainson's Hawk				S		PR		ABNKC19070	S3	G5
Cochise	BIRD	Buteogallus anthracinus	Common Black-Hawk				S		PR	WSC	ABNKC15010	S3	G4G5
Cochise	BIRD	Calothorax lucifer	Lucifer Hummingbird				S				ABNUC44010	S2	G4G5
Cochise	BIRD	Camptostoma imberbe	Northern Beardless-Tyrannulet				S				ABPAE04010	S4	G5
Cochise	BIRD	Catharus ustulatus	Swainson's Thrush								ABPBJ18100	S1	G5
Cochise	BIRD	Chloroceryle americana	Green Kingfisher								ABNXD02020	S2	G5
Cochise	BIRD	Coccythraustes vespertinus	Evening Grosbeak								ABPBY09020	S3	G5
Cochise	BIRD	Coccyzus americanus	Yellow-billed Cuckoo (Western U.S. PS:C* DPS)				S	2		WSC	ABNRB02020	S3	G5
Cochise	BIRD	Dendrocygna autumnalis	Black-bellied Whistling-Duck							WSC	ABNJB01040	S3	G5
Cochise	BIRD	Dumetella carolinensis	Gray Catbird				S			WSC	ABPBK01010	S1	G5
Cochise	BIRD	Elanus leucurus	White-tailed Kite								ABNKC06010	S2B,S2S3N	G5
Cochise	BIRD	Empidonax fulvifrons pygmaeus	Northern Buff-breasted Flycatcher	SC			S			WSC	ABPAE33141	S1	G5T5
Cochise	BIRD	Empidonax traillii extimus	Southwestern Willow Flycatcher	LE		Y		2	E	WSC	ABPAE33043	S1	G5T1T2

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Cochise	BIRD	Euptilotis neoxenus	Eared Quetzal				S		A		ABNWA03010	SAB,S1N	G3
Cochise	BIRD	Falco peregrinus anatum	American Peregrine Falcon	SC	S		S	4	PR	WSC	ABNKD06071	S4	G4T4
Cochise	BIRD	Haliaeetus leucocephalus (wintering pop.)	Bald Eagle - Winter Population	SC	S		S	2	P	WSC	ABNKC10015	S4N	G5TNR
Cochise	BIRD	Himantopus mexicanus	Black-necked Stilt								ABNND01010	S2	G5
Cochise	BIRD	Icterus bullockii	Bullock's Oriole								ABPBXB9220	S4BS1N	G5
Cochise	BIRD	Ictinia mississippiensis	Mississippi Kite						PR	WSC	ABNKC09010	S3	G5
Cochise	BIRD	Lampornis clemenciae	Blue-throated Hummingbird								ABNUC34040	S4	G5
Cochise	BIRD	Peucaea carpalis	Rufous-winged Sparrow								ABPBX91080	S3	G4
Cochise	BIRD	Plegadis chihi	White-faced Ibis	SC			S				ABNGE02020	S?B,S2S3N	G5
Cochise	BIRD	Polioptila nigriceps	Black-capped Gnatcatcher							WSC	ABPBJ08040	S1	G5
Cochise	BIRD	Recurvirostra americana	American Avocet								ABNND02010	S2	G5
Cochise	BIRD	Sialia sialis fulva	Azure Bluebird								ABPBJ15012	S3	G5TU
Cochise	BIRD	Spinus tristis	American Goldfinch								ABPBY06110	S1B,S5N	G5
Cochise	BIRD	Strix occidentalis lucida	Mexican Spotted Owl	LT		Y	3	A		WSC	ABNSB12012	S3S4	G3T3
Cochise	BIRD	Tachybaptus dominicus	Least Grebe						PR		ABNCA01010	SAB	G5
Cochise	BIRD	Trogon elegans	Elegant Trogon							WSC	ABNWA02070	S3	G5
Cochise	BIRD	Tyrannus crassirostris	Thick-billed Kingbird				S			WSC	ABPAE52040	S2	G5
Cochise	BIRD	Tyrannus melancholicus	Tropical Kingbird							WSC	ABPAE52010	S3	G5
Cochise	FISH	Agosia chrysogaster chrysogaster	Gila Longfin Dace	SC	S		S		A		AFCJB37151	S3S4	G4T3T4
Cochise	FISH	Agosia chrysogaster ssp. 1	Yaqui Longfin Dace	SC	S		S		A		AFCJB37152	S1	G4T1
Cochise	FISH	Campostoma ornatum	Mexican Stoneroller	SC			S			WSC	AFCJB03030	S1	G3
Cochise	FISH	Catostomus clarkii	Desert Sucker	SC	S		S				AFCJC02040	S3S4	G3G4
Cochise	FISH	Catostomus insignis	Sonora Sucker	SC	S		S		P		AFCJC02100	S3	G3
Cochise	FISH	Cyprinella formosa	Beautiful Shiner	LT		Y			A	WSC	AFCJB49080	S1	G2
Cochise	FISH	Cyprinodon macularius	Desert Pupfish	LE		Y			P	WSC	AFCNB02060	S1	G1

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Cochise	FISH	<i>Gila intermedia</i>	Gila Chub	LE		Y			P	WSC	AFCJB13160	S2	G2
Cochise	FISH	<i>Gila purpurea</i>	Yaqui Chub	LE		Y			P	WSC	AFCJB13140	S1	G1
Cochise	FISH	<i>Ictalurus pricei</i>	Yaqui Catfish	LT		Y			A	WSC	AFCKA01090	S1	G2
Cochise	FISH	<i>Meda fulgida</i>	Spikedace	LE		Y				WSC	AFCJB22010	S1	G2
Cochise	FISH	<i>Poeciliopsis occidentalis sonoriensis</i>	Yaqui Topminnow	LE					A	WSC	AFCNC05022	S1	G3
Cochise	FISH	<i>Rhinichthys osculus</i>	Speckled Dace	SC	S				E		AFCJB37050	S3S4	G5
Cochise	INVERTEBRATE	<i>Agathymus aryxna</i>	Arizona Giant Skipper								IILEP87080	S5	G4G5
Cochise	INVERTEBRATE	<i>Agathymus evansi</i>	Huachuca Giant-skipper				S				IILEP87110	S3	G2G3
Cochise	INVERTEBRATE	<i>Agathymus neumogeni</i>	Neumogen's Giant Skipper								IILEP87010	S3	G4G5
Cochise	INVERTEBRATE	<i>Anthocharis cethura</i>	Desert Orangetip								IILEPA6010	S4	G4G5
Cochise	INVERTEBRATE	<i>Cicindela oregona maricopa</i>	Maricopa Tiger Beetle	SC							IICOL02362	S3	G5T3
Cochise	INVERTEBRATE	<i>Discus shimekii</i>	Striate Disc	SC							IMGAS54120	S2?	G5
Cochise	INVERTEBRATE	<i>Ellipsoptera nevadica citata</i>	Chiricahua Tiger Beetle								IICOL02175	S1	G5T3
Cochise	INVERTEBRATE	<i>Erynnis scudderi</i>	Scudder's Dusky Wing								IILEP37070	S1S2	G4G5
Cochise	INVERTEBRATE	<i>Eumorsea balli</i>	Ball's Monkey Grasshopper								IHORT14020	S1	G2G4
Cochise	INVERTEBRATE	<i>Neophasia terlooii</i>	Chiricahua Pine White								IILEP99020	S4	G3G4
Cochise	INVERTEBRATE	<i>Psephenus arizonensis</i>	Arizona Water Penny Beetle	SC							IICOL63010	S2?	G2?
Cochise	INVERTEBRATE	<i>Pyrgulopsis bernardina</i>	San Bernardino Springsnail	LT	S	Y					IMGASJ0950	S1	G1
Cochise	INVERTEBRATE	<i>Pyrgulopsis thompsoni</i>	Huachuca Springsnail	C	S		S				IMGASJ0230	S2	G2
Cochise	INVERTEBRATE	<i>Sonorella neglecta</i>	Portal Talussnail								IMGASC9440	SH	G1
Cochise	INVERTEBRATE	<i>Sphingicampa raspa</i>	A Royal Moth								IILEW0H080	S1	G1G2
Cochise	INVERTEBRATE	<i>Stygobromus arizonensis</i>	Arizona Cave Amphipod	SC	S						ICMAL05360	S1?	G1
Cochise	INVERTEBRATE	<i>Sympetrum signiferum</i>	Spot-winged Meadowhawk								IIODO61150	S2	G2G3
Cochise	MAMMAL	<i>Antrozous pallidus</i>	Pallid Bat								AMACC10010	S4	G5
Cochise	MAMMAL	<i>Baiomys taylori</i>	Northern Pygmy Mouse				S				AMAFF05010	S3	G4G5

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Cochise	MAMMAL	Bat Colony									OBATCOLONY	SU	GNR
Cochise	MAMMAL	Bat Foraging Area	High Netting Concentration								OBATFORAG1	SU	GNR
Cochise	MAMMAL	Choeronycteris mexicana	Mexican Long-tongued Bat	SC	S		S		A	WSC	AMACB02010	S3	G4
Cochise	MAMMAL	Corynorhinus townsendii pallescens	Pale Townsend's Big-eared Bat	SC	S		S	4			AMACC08014	S3S4	G3G4T3T4
Cochise	MAMMAL	Didelphis virginiana californica	Mexican Opossum								AMAAA01011	S3	G5TNR
Cochise	MAMMAL	Eptesicus fuscus	Big Brown Bat								AMACC04010	S4S5	G5
Cochise	MAMMAL	Eumops perotis californicus	Greater Western Bonneted Bat	SC	S		S				AMACD02011	S3	G5T4
Cochise	MAMMAL	Idionycteris phyllotis	Allen's Lappet-browed Bat	SC	S		S				AMACC09010	S2S3	G3G4
Cochise	MAMMAL	Lasionycteris noctivagans	Silver-haired Bat						PR		AMACC02010	S3S4	G5
Cochise	MAMMAL	Lasiurus blossevillii	Western Red Bat				S			WSC	AMACC05060	S3	G5
Cochise	MAMMAL	Lasiurus cinereus	Hoary Bat			No Status					AMACC05030	S4	G5
Cochise	MAMMAL	Lasiurus xanthinus	Western Yellow Bat				S			WSC	AMACC05070	S2S3	G5
Cochise	MAMMAL	Leopardus pardalis	Ocelot	LE					P	WSC	AMAJH05010	S1	G4
Cochise	MAMMAL	Leptonycteris curasoae yerbabuena	Lesser Long-nosed Bat	LE					A	WSC	AMACB03030	S2S3	G4
Cochise	MAMMAL	Mustela frenata	Long-tailed Weasel								AMAJF02030	S4	G5
Cochise	MAMMAL	Myotis auriculus	Southwestern Myotis								AMACC01080	S3	G5
Cochise	MAMMAL	Myotis californicus	California Myotis								AMACC01120	S4	G5
Cochise	MAMMAL	Myotis ciliolabrum	Western Small-footed Myotis	SC							AMACC01140	S3S4	G5
Cochise	MAMMAL	Myotis occultus	Arizona Myotis	SC	S						AMACC01160	S3	G3G4
Cochise	MAMMAL	Myotis thysanodes	Fringed Myotis	SC							AMACC01090	S3S4	G4
Cochise	MAMMAL	Myotis velifer	Cave Myotis	SC	S						AMACC01050	S3S4	G5
Cochise	MAMMAL	Myotis volans	Long-legged Myotis	SC							AMACC01110	S3S4	G5
Cochise	MAMMAL	Neotoma mexicana	Mexican Woodrat								AMAFF08070	S5	G5
Cochise	MAMMAL	Notiosorex cockrumi	Cockrum's Desert Shrew				S				AMABA05020	S1	GNR
Cochise	MAMMAL	Nyctinomops femorosaccus	Pocketed Free-tailed Bat				S				AMACD04010	S3	G4

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Cochise	MAMMAL	Nyctinomops macrotis	Big Free-tailed Bat	SC							AMACD04020	S3	G5
Cochise	MAMMAL	Panthera onca	Jaguar	LE		P			P	WSC	AMAJH02010	S1	G3
Cochise	MAMMAL	Reithrodontomys fulvescens	Fulvous Harvest Mouse				S				AMAFF02050	S4	G5
Cochise	MAMMAL	Reithrodontomys montanus	Plains Harvest Mouse				S				AMAFF02010	S3	G5
Cochise	MAMMAL	Sciurus nayaritensis chiricahuae	Chiricahua Fox Squirrel	SC			S				AMAFB07051	S2	G5T2
Cochise	MAMMAL	Sigmodon ochrognathus	Yellow-nosed Cotton Rat	SC			S				AMAFF07040	S4	G4G5
Cochise	MAMMAL	Sorex arizonae	Arizona Shrew	SC			S		P	WSC	AMABA01240	S2	G3
Cochise	MAMMAL	Tadarida brasiliensis	Brazilian Free-tailed Bat								AMACD01010	S3S4	G5
Cochise	MAMMAL	Thomomys bottae	Botta's Pocket Gopher								AMAF01020	S5	G5
Cochise	MAMMAL	Thomomys bottae mearnsi	Mearns' Southern Pocket Gopher	SC				PS			AMAF0102G	S5	G5T5
Cochise	PLANT	Adiantum pedatum	American Maidenhair								PPADI030B0	S5	G5
Cochise	PLANT	Aeschynomene villosa	Sensitive Joint Vetch								PDFAB04070	S2?	G4
Cochise	PLANT	Ageratina lemmonii	Lemmon's Thorough-wort								PDASTBX0L0	S1	G3?
Cochise	PLANT	Allium glandulosum	Gland Onion							SR	PMLIL02110	S1	G4
Cochise	PLANT	Allium plummerae	Plummer Onion							SR	PMLIL021V0	S3	G4
Cochise	PLANT	Allium rhizomatum	Redflower Onion							SR	PMLIL02320	S1	G3?Q
Cochise	PLANT	Ammocodon chenopodioides	Goosefoot Moonpod								PDNYC04010	S1	G5
Cochise	PLANT	Apacheria chiricahuensis	Chiricahua Rock Flower							SR	PDCRO01010	S2	G2
Cochise	PLANT	Arabis tricornuta	Chiricahua Rock Cress				S				PDBRA06200	S1	G1
Cochise	PLANT	Arceuthobium blumeri	Blumer Dwarf Mistletoe								PDVIS03040	S1?	G3?
Cochise	PLANT	Asclepias lemmonii	Lemmon Milkweed				S				PDASC020Z0	S2	G4?
Cochise	PLANT	Asclepias quinqueidentata	Tooth Hood Milkweed								PDASC021L0	S2	G4
Cochise	PLANT	Asclepias uncialis	Greene Milkweed	SC			S				PDASC02220	S1?	G3G4
Cochise	PLANT	Asplenium dalhousiae	Dalhousie Spleenwort		S						PPASP020A0	S1	GNR
Cochise	PLANT	Asplenium exiguum	Sonoran Spleenwort								PPASP020D0	S1	GU

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Cochise	PLANT	Aster pauciflorus	Marsh Alkali Aster								PDASTEL010	S1	G4
Cochise	PLANT	Aster potosinus	Lemmon's Aster								PDASTE8160	S1	G2
Cochise	PLANT	Astragalus cobrensis var. maguirei	Coppermine Milk-vetch	SC			S			SR	PDFAB0F262	S1	G4T2
Cochise	PLANT	Astragalus hypoxylus	Huachuca Milkvetch	SC	S		S			SR	PDFAB0F470	S1	G1
Cochise	PLANT	Atriplex griffithsii	Griffith Saltbush								PDCHE040S0	S2S3	G2G3
Cochise	PLANT	Bouchea prismatica	Prism Bouchea								PDVER04020	S4	G4G5
Cochise	PLANT	Carex chihuahuensis	Chihuahuan Sedge				S				PMCYP032T0	S2S3	G3G4
Cochise	PLANT	Carex meadii	Mead Sedge								PMCYP03870	S3?	G4G5
Cochise	PLANT	Carex ultra	Arizona Giant Sedge		S		S				PMCYP03E50	S2	G3?
Cochise	PLANT	Castilleja lanata	White-woolly Indian-paintbrush								PDSCR0D1L0	S4	G5
Cochise	PLANT	Castilleja nervata	Trans-pecos Indian-paintbrush				S				PDSCR0D270	S1	G3Q
Cochise	PLANT	Castilleja patriotica	Tricolor Indian Paintbrush								PDSCR0D2F0	S3S4	G4
Cochise	PLANT	Centaurea rothrockii	Knap Thistle								PDAST1Y0P0	S3	G4
Cochise	PLANT	Cheilanthes arizonica	Arizona Lip Fern								PPADI09030	S2	G4
Cochise	PLANT	Cleome multicaulis	Playa Spider Plant	SC						SR	PDCPP03080	S1	G2G3
Cochise	PLANT	Coryphantha robbinsorum	Cochise Pincushion Cactus	LT						HS	PDCAC0X0C0	S1	G1
Cochise	PLANT	Coryphantha scheeri var. valida	Slender Needle Corycactus							SR	PDCAC040C4	S3?	G4T4
Cochise	PLANT	Coryphantha sneedii	Carpet Foxtail Cactus							SR	PDCAC0X0E0	S1	G2
Cochise	PLANT	Coursetia glabella	Smooth Baby-bonnets	SC			S				PDFAB140B0	S1	G3?
Cochise	PLANT	Croton fruticosus	Encinillas								PDEUP0H0F0	S1	G5
Cochise	PLANT	Desmodium metcalfei	Metcalfes's Tick-trefoil				S				PDFAB1D0V0	S2	G3G4
Cochise	PLANT	Dichondra argentea	Silver Pony Foot								PDCON08010	S1	G4
Cochise	PLANT	Draba standleyi	Standley Whitlow-grass	SC							PDBRA112G0	S2S3	G2G3
Cochise	PLANT	Echinocereus ledingii	Pinaleno Hedgehog Cactus							SR	PDCAC06066	S4	G4G5T4
Cochise	PLANT	Echinocereus pseudopectinatus	Devil-thorn							SR	PDCAC060P0	S1	G4

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Cochise	PLANT	Echinomastus erectocentrus var. erectocentrus	Needle-spined Pineapple Cactus	SC						SR	PDCAC0J0E2	S3	G3T3Q
Cochise	PLANT	Epithelantha micromeris	Button Cactus						PR	SR	PDCAC07020	S1	G4
Cochise	PLANT	Eragrostis obtusiflora	Alkali Lovegrass								PMPOA2K150	S3	G5
Cochise	PLANT	Erigeron arisolius	Arid Throne Fleabane				S				PDAST3M510	S2	G2
Cochise	PLANT	Erigeron arizonicus	Arizona Fleabane								PDAST3M0B0	S3	G3?
Cochise	PLANT	Erigeron kuschei	Chiricahua Fleabane	SC			S			SR	PDAST3M240	S1	G1
Cochise	PLANT	Erigeron lemmonii	Lemmon Fleabane	SC						HS	PDAST3M2A0	S1	G1
Cochise	PLANT	Erigeron pringlei	Pringle's Fleabane								PDAST3M3C0	S2	G2
Cochise	PLANT	Erigeron sceptrifer	Scepterbearing Fleabane								PDAST3M520	S1	GNR
Cochise	PLANT	Erigeron scopulinus	Winn Falls Fleabane								PDAST3M4E0	S1	G3?
Cochise	PLANT	Eriogonum capillare	San Carlos Wild-buckwheat	SC						SR	PDPGN08100	S4	G4
Cochise	PLANT	Eriogonum terrenatum	San Pedro River Wild Buckwheat		S						PDPGN08760	S1	G1
Cochise	PLANT	Eryngium lemmonii	Lemmon Button Snakeroot								PDAPI0Z0J0	S3	G4
Cochise	PLANT	Eryngium sparganophyllum	Ribbonleaf Button Snakeroot								PDAPI0Z0T0	S1	G2
Cochise	PLANT	Euphorbia macropus	Woodland Spurge	SC						SR	PDEUP0Q2U0	S2	G4
Cochise	PLANT	Euphorbia trachysperma	Roughseed Spurge								PDEUP0D2E0	S4	G4
Cochise	PLANT	Fraxinus gooddingii	Goodding Ash								PDOLE04080	S3	G3
Cochise	PLANT	Gentianella wislizeni	Wislizeni Gentian	SC			S			SR	PDGEN07090	S1	G2
Cochise	PLANT	Gentianopsis macrantha	Mexican Fringed Gentian								PDGEN08060	S1S2	G4
Cochise	PLANT	Graptopetalum bartramii	Bartram Stonecrop	SC	S		S			SR	PDCRA06010	S3	G3
Cochise	PLANT	Gutierrezia wrightii	Wright's Snakeweed								PDAST4B0C0	S2S3	G4?
Cochise	PLANT	Hedeoma costatum	Chiricahua Mock Pennyroyal								PDLAM0M0L0	S1	G5
Cochise	PLANT	Hedeoma dentatum	Mock-pennyroyal								PDLAM0M0M0	S3	G3
Cochise	PLANT	Hermannia pauciflora	Sparseleaf Hermannia								PDSTE06010	S1	G2?
Cochise	PLANT	Heteranthera limosa	Mud Plantain								PMPON03030	S1	G5

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Cochise	PLANT	Heterotheca rutteri	Huachuca Golden Aster	SC	S		S				PDAST4V0J0	S2	G2
Cochise	PLANT	Heuchera glomerulata	Arizona Alum Root				S				PDSAX0E0F0	S3	G3
Cochise	PLANT	Hexalectris arizonica	Arizona Crested coral-root				S			SR	PMORC1C041	S1S2	G5T2T4
Cochise	PLANT	Hexalectris colemanii	Coleman's coral-root				S				PMORC1C060	S1S2	G1G2
Cochise	PLANT	Hexalectris warnockii	Texas Purple Spike	SC	S		S			HS	PMORC1C050	S1	G2G3
Cochise	PLANT	Hieracium pringlei	Pringle Hawkweed	SC							PDAST4W170	S1	G2Q
Cochise	PLANT	Hieracium rusbyi	Rusby Hawkweed				S				PDAST4W1A0	S1	G2?
Cochise	PLANT	Hymenoxys ambigens var. floribunda	A Daisy								PDAST530T2	S2	G3?T2
Cochise	PLANT	Hymenoxys quinquesquamata	Five Scale Bitterweed								PDAST530F0	S3	G3
Cochise	PLANT	Hypoxis mexicana	Yellow Star Grass								PMLIL16030	S1	G5
Cochise	PLANT	Ibervillea tenuisecta	Texas Globe Berry								PDCUC0F020	S1	G4
Cochise	PLANT	Ipomoea plummerae var. cuneifolia	Huachuca Morning Glory								PDCON0A141	S3	G4T3
Cochise	PLANT	Ipomoea tenuiloba	Trumpet Morning-glory								PDCON0A1H0	S4	G4
Cochise	PLANT	Ipomoea thurberi	Thurber's Morning-glory								PDCON0A1K0	S1	G3
Cochise	PLANT	Justicia sonorae	Palm Canyon Justicia								PDACA0E0K0	SE	G4
Cochise	PLANT	Laennecia eriophylla	Woolly Fleabane								PDASTDL020	S2	G3
Cochise	PLANT	Leibnitzia lyrata	Woodland Sunbonnets								PDASTDM010	S4	G5
Cochise	PLANT	Lilaeopsis schaffneriana ssp. recurva	Huachuca Water-umbel	LE		Y				HS	PDAPI19051	S2	G4T2
Cochise	PLANT	Lilium parryi	Lemmon Lily	SC			S			SR	PMLIL1A0J0	S2	G3
Cochise	PLANT	Lithospermum viride	Green Puccoon								PDBOR0L0G0	S1	G4
Cochise	PLANT	Lobelia fenestralis	Leafy Lobelia							SR	PDCAM0E0H0	S1	G4
Cochise	PLANT	Lupinus huachucanus	Huachuca Mountain Lupine				S				PDFAB2B210	S2	G2
Cochise	PLANT	Lupinus lemmonii	Lemmon's Lupine				S				PDFAB2B2A0	S1Q	G1Q
Cochise	PLANT	Machaeranthera riparia	Chiricahua Mountain Tansy-aster								PDAST641B0	S1	G4
Cochise	PLANT	Malaxis corymbosa	Madrean Adders Mouth							SR	PMORC1R020	S3S4	G4

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Cochise	PLANT	Malaxis porphyrea	Purple Adder's Mouth							SR	PMORC1R0Q0	S2	G4
Cochise	PLANT	Malaxis tenuis	Slender Adders Mouth							SR	PMORC1R090	S1	G4
Cochise	PLANT	Mammillaria heyderi var. bullingtoniana	Cream Cactus							SR	PDCAC0A035	S1S2	G4?T2T4
Cochise	PLANT	Mammillaria viridiflora	Varied Fishhook Cactus							SR	PDCAC0A0D0	S4	G4
Cochise	PLANT	Mammillaria wrightii var. wilcoxii	Wilcox Fishhook Cactus							SR	PDCAC0A0E1	S4	G4T4
Cochise	PLANT	Mentzelia lindheimeri	Lindheimer Stickleaf								PDLOA030U0	S1	G4
Cochise	PLANT	Mentzelia oligosperma	Sparseseed Stickleaf								PDLOA03170	S1	G4
Cochise	PLANT	Metastelma mexicanum	Wiggins Milkweed Vine	SC			S				PDASC050P0	S1S2	G3G4
Cochise	PLANT	Microchloa kunthii	Kunth Grass								PMPOA40010	S1	G5
Cochise	PLANT	Muhlenbergia dubioides	Box Canyon Muhly				S				PMPOA4480G0	S1	G1Q
Cochise	PLANT	Nemastylis tenuis	Slender Shell Flower								PMIRI0B040	S1	G5
Cochise	PLANT	Nissolia wislizeni	Arizona Nissolia								PDFAB2Q030	S1	G2G4
Cochise	PLANT	Notholaena aschenborniana	Aschenborn Cloak Fern								PPADI0G020	S1	G4
Cochise	PLANT	Notholaena neglecta	Neglected Cloak Fern								PPADI0G0F0	S1	G4
Cochise	PLANT	Oenothera havardii	Havard Primrose								PDONA0C0K0	S1	G4
Cochise	PLANT	Ophioglossum engelmannii	Engelmann Adders Tongue								PPOPH02040	S1	G5
Cochise	PLANT	Opuntia x martiniana	Seashore Cactus							SR	PDCAC0D2E0	SHYB	G1
Cochise	PLANT	Pectis imberbis	Beardless Chinch Weed	SC			S				PDAST6W0A0	S1	G3
Cochise	PLANT	Pediomelum pentaphyllum	Small Indian Breadroot	SC	S		S				PDFAB5L070	S1	G1
Cochise	PLANT	Pellaea ternifolia	Ternate Cliffbrake								PPADI0H0B0	S2	G5
Cochise	PLANT	Peniocereus greggii var. greggii	Night-blooming Cereus	SC					PR	SR	PDCAC0V011	S1	G3G4T2
Cochise	PLANT	Penstemon discolor	Catalina Beardtongue				S			HS	PDSCR1L210	S2	G2
Cochise	PLANT	Penstemon pinifolius	Pineleaf Beardtongue								PDSCR1L500	S3	G3G4
Cochise	PLANT	Penstemon ramosus	Branching Penstemon								PDSCR1L7L0	S1	G3G4Q
Cochise	PLANT	Penstemon stenophyllus	Narrowleaf Beardtongue								PDSCR1L5V0	S3	G4?

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Cochise	PLANT	Penstemon superbus	Superb Beardtongue								PDSCR1L630	S2?	G3?
Cochise	PLANT	Perityle cochisensis	Chiricahua Rock Daisy				S			SR	PDAST70080	S1	G1
Cochise	PLANT	Phyllanthus polygonoides	Knotleaf Flower								PDEUP130E0	S2	G5
Cochise	PLANT	Physalis latiphysa	Broad-leaf Ground-cherry				S				PDSOL0S0H0	S1	G1
Cochise	PLANT	Physocarpus monogynus	Mountain Ninebark								PDROS19040	S4	G4
Cochise	PLANT	Pinaropappus roseus	Rock Lettuce								PDAST78020	S2	G5
Cochise	PLANT	Platanthera limosa	Thurber's Bog Orchid							SR	PMORC1Y0G0	S4	G4
Cochise	PLANT	Polemonium flavum	Pinaleno Jacobs Ladder								PDPLM0E0B2	S2	G5T3?
Cochise	PLANT	Polemonium pauciflorum ssp. hinckleyi	Hinckley's Ladder	SC			S				PDPLM0E0G1	S1	G3G5T2Q
Cochise	PLANT	Polygala glochidiata	Spiny Milkwort								PDPGL020J0	S2	G5
Cochise	PLANT	Potentilla albiflora	White-flowered Cinquefoil				S				PDROS1B010	S1S2	G1G2
Cochise	PLANT	Potentilla rhyolitica var. chiricahuensis	Chiricahua Cinquefoil				S				PDROS132X1	S1	G1G2T1T2
Cochise	PLANT	Potentilla rhyolitica var. rhyolitica	Huachuca Cinquefoil				S				PDROS132X2	S1S2	G1G2T1T2
Cochise	PLANT	Psacalium decompositum	Sonoran Indian-plantain								PDASTDS010	S2	G4?
Cochise	PLANT	Psilactis gentryi	Mexican Bare-ray-aster				S				PDASTE7010	S1	G3
Cochise	PLANT	Psorothamnus scoparius	Broom Dalea								PDFAB3C070	S1	G4
Cochise	PLANT	Pyrrhopappus rothrockii	False Dandelion								PDAST7V050	S3	G4
Cochise	PLANT	Ranunculus arizonicus	Arizona Buttercup								PDRAN0L0B0	S3	G4
Cochise	PLANT	Rhamnus serrata	Serrate Buckbrush								PDRHA0C0D0	S1	G4G5
Cochise	PLANT	Rumex orthoneurus	Blumer's Dock	SC			S			HS	PDPGN0P0Z0	S3	G3
Cochise	PLANT	Sagittaria montevidensis	Long-lobed Arrow-head								PMALI040K0	S1	G4G5
Cochise	PLANT	Salvia amissa	Aravaipa Sage	SC	S		S				PDLAM1S020	S2	G2
Cochise	PLANT	Samolus vagans	Chiricahua Mountain Brookweed				S				PDPRI09040	S2	G2?
Cochise	PLANT	Schiedeella arizonica	Fallen Ladies'-tresses							SR	PMORC67020	S4	GNR
Cochise	PLANT	Senecio carlomasonii	Seemann Groundsel								PDAST8H3W0	S2S3	G4?Q

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Cochise	PLANT	Senecio multidentatus var. huachucanus	Huachuca Groundsel				S			HS	PDAST8H411	S2	G2G4T2
Cochise	PLANT	Senecio neomexicanus var. toumeyii	Toumey Groundsel				S				PDAST8H274	S2	G5T2Q
Cochise	PLANT	Senecio parryi	Mountain Groundsel								PDAST8H2B0	S4	G4
Cochise	PLANT	Seymeria bipinnatisecta	Sierra Madre Seymeria								PDSCR1T060	S1	G4G5
Cochise	PLANT	Sisyrinchium cernuum	Nodding Blue-eyed Grass				S				PMIRI0D0B0	S2	G5
Cochise	PLANT	Solanum heterodoxum	Melonleaf Nightshade								PDSOL0Z0X0	S4	G4G5
Cochise	PLANT	Sophora arizonica	Arizona Necklace								PDFAB3N020	S3	G3
Cochise	PLANT	Spiranthes delitescens	Canelo Hills Ladies'-tresses	LE						HS	PMORC2B140	S1	G1
Cochise	PLANT	Stellaria porsildii	Porsild's Starwort				S				PDCAR0X160	S1	G1
Cochise	PLANT	Stenorrhynchos michuacanum	Michoacan Ladies'-tresses							SR	PMORC2B0L0	S3	G4
Cochise	PLANT	Streptanthus carinatus	Lyre-leaved Twistflower								PDBRA2G0C0	S3S4	G4
Cochise	PLANT	Talinum angustissimum	Yellow Flame Flower								PDPOR08010	S2	G4
Cochise	PLANT	Talinum marginatum	Tepic Flame Flower	SC			S			SR	PDPOR080N0	S1	G2
Cochise	PLANT	Tephrosia thurberi	Thurber Hoary Pea								PDFAB3X0M0	S3	G4G5
Cochise	PLANT	Tillandsia recurvata	Ball Moss								PMBRO090E0	S2	G5
Cochise	PLANT	Tragia amblyodonta	Tombstone Noseburn								PDEUP1D010	S1	G4
Cochise	PLANT	Tragia laciniata	Sonoran Noseburn				S				PDEUP1D060	S3?	G3G4
Cochise	PLANT	Trifolium amabile	Linda Clover								PDFAB40030	S1S2	G4
Cochise	PLANT	Tripsacum lanceolatum	Mexican Gama Grass								PMPOA68030	S2S3	G4
Cochise	PLANT	Vauquelinia californica ssp. pauciflora	Limestone Arizona Rosewood	SC						SR	PDROS1R022	S1	G4T3
Cochise	PLANT	Verbena pinetorum	Chihuahua Vervain								PDVER0N0P0	S1	G2G4
Cochise	PLANT	Viola umbraticola	Shade Violet				S				PDVIO042E0	S2?	G3G4
Cochise	PLANT	Xanthisma texanum	Sleepy Daisy								PDAST9Y010	S1	G5
Cochise	PLANT	Zigadenus virescens	Green Death Camas							SR	PMLIL280E0	S4	G4
Cochise	REPTILE	Aspidoscelis arizonae	Arizona Striped Whiptail				S				ARACJ02071	S1S2	G2

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Cochise	REPTILE	Aspidoscelis burti stictogrammus	Giant Spotted Whiptail	SC			S				ARACJ02011	S2	G4T4
Cochise	REPTILE	Aspidoscelis exsanguis	Chihuahuan Spotted Whiptail								ARACJ02030	S2	G5
Cochise	REPTILE	Crotalus lepidus klauberi	Banded Rock Rattlesnake						PR		ARADE02051	S3	G5T5
Cochise	REPTILE	Crotalus pricei	Twin-spotted Rattlesnake				S		PR		ARADE02080	S2	G5
Cochise	REPTILE	Crotalus willardi obscurus	New Mexico Ridge-nosed Rattlesnake	LT					PR		ARADE02131	S1	G5T1T2
Cochise	REPTILE	Crotalus willardi willardi	Arizona Ridge-nosed Rattlesnake				S		PR	WSC	ARADE02132	S1S2	G5T4
Cochise	REPTILE	Gopherus morafkai	Sonoran Desert Tortoise	C*			S		A	WSC	ARAAF01013	S4	G4
Cochise	REPTILE	Gyalopion canum	Chihuahuan Hook-nosed Snake								ARADB16010	S3	G5
Cochise	REPTILE	Heloderma suspectum suspectum	Reticulate Gila Monster				S		A		ARACE01012	S4	G4T4
Cochise	REPTILE	Heterodon kennerlyi	Mexican Hog-nosed Snake								ARADB17012	S3	G5T4
Cochise	REPTILE	Hypsiglena sp. nov.	Hooded Nightsnake								ARADB18050	S4	G4
Cochise	REPTILE	Kinosternon flavescens	Yellow Mud Turtle								ARAAE01020	S1	G5
Cochise	REPTILE	Lampropeltis getula nigrita	Western Black Kingsnake						A		ARADB19026	S3	G5T3T4Q
Cochise	REPTILE	Lampropeltis triangulum celaenops	New Mexico Milksnake						A		ARADB19052	S1	G5TNR
Cochise	REPTILE	Phrynosoma cornutum	Texas Horned Lizard	SC							ARACF12010	S3S4	G4G5
Cochise	REPTILE	Phrynosoma hernandesi	Greater Short-horned Lizard								ARACF12080	S4	G5
Cochise	REPTILE	Phrynosoma modestum	Round-tailed Horned Lizard								ARACF12050	S3	G5
Cochise	REPTILE	Plestiodon callicephalus	Mountain Skink				S				ARACH01030	S2	G4G5
Cochise	REPTILE	Sceloporus slevini	Slevin's Bunchgrass Lizard		S		S				ARACF14180	S2	G4
Cochise	REPTILE	Sceloporus virgatus	Striped Plateau Lizard								ARACF14150	S3	G4
Cochise	REPTILE	Senticolis triaspis intermedia	Northern Green Ratsnake				S				ARADB44011	S3	G5T4
Cochise	REPTILE	Sistrurus catenatus edwardsii	Desert Massasauga						PR	WSC	ARADE03012	S1	G3G4T3T4Q
Cochise	REPTILE	Tantilla nigriceps	Plains Black-headed Snake								ARADB35050	S2	G5
Cochise	REPTILE	Tantilla wilcoxi	Chihuahuan Black-headed Snake								ARADB35120	S1	G4
Cochise	REPTILE	Tantilla yaquia	Yaqui Black-headed Snake				S				ARADB35130	S2	G4

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Cochise	REPTILE	Terrapene ornata luteola	Desert Box Turtle		S				PR		ARAAD08021	S2S3	G5T4
Cochise	REPTILE	Thamnophis eques megalops	Northern Mexican Gartersnake	C*			S		A	WSC	ARADB36061	S1	G5T5
Coconino	AMPHIBIAN	Anaxyrus microscaphus	Arizona Toad	SC			S				AAABB01110	S3S4	G3G4
Coconino	AMPHIBIAN	Hyla wrightorum (Mogollon Rim Pop.)	Mogollon Rim Treefrog								AAABC02081	S4	G4T4
Coconino	AMPHIBIAN	Lithobates chiricahuensis	Chiricahua Leopard Frog	LT		Y			A	WSC	AAABH01080	S2	G3
Coconino	AMPHIBIAN	Pseudacris triseriata	Western Chorus Frog								AAABC05130	S5	G5
Coconino	AMPHIBIAN	Rana pipiens	Northern Leopard Frog		S		S	2		WSC	AAABH01170	S2	G5
Coconino	AMPHIBIAN	Rana yavapaiensis	Lowland Leopard Frog	SC	S		S		PR	WSC	AAABH01250	S3	G4
Coconino	AMPHIBIAN	Spea intermontana	Great Basin Spadefoot								AAABF02030	S3	G5
Coconino	BIRD	Accipiter gentilis	Northern Goshawk	SC	S		S	4	A	WSC	ABNKC12060	S3B	G5
Coconino	BIRD	Anthus rubescens	American Pipit								ABPBM02050	S2B,S5N	G5
Coconino	BIRD	Aquila chrysaetos	Golden Eagle		S			3	A		ABNKC22010	S4	G5
Coconino	BIRD	Asio otus	Long-eared Owl								ABNSB13010	S2B,S3S4N	G5
Coconino	BIRD	Athene cunicularia hypugaea	Western Burrowing Owl	SC	S		S	4	PR		ABNSB10012	S3	G4T4
Coconino	BIRD	Buteo albonotatus	Zone-tailed Hawk				S		PR		ABNKC19090	S4	G4
Coconino	BIRD	Buteo regalis	Ferruginous Hawk	SC	S		S	3	PR	WSC	ABNKC19120	S2B,S4N	G4
Coconino	BIRD	Buteo swainsoni	Swainson's Hawk				S		PR		ABNKC19070	S3	G5
Coconino	BIRD	Buteogallus anthracinus	Common Black-Hawk				S		PR	WSC	ABNKC15010	S3	G4G5
Coconino	BIRD	Cathartes aura	Turkey Vulture								ABNKA02010	S5	G5
Coconino	BIRD	Empidonax traillii extimus	Southwestern Willow Flycatcher	LE		Y		2	E	WSC	ABPAE33043	S1	G5T1T2
Coconino	BIRD	Euptilotis neoxenus	Eared Quetzal				S		A		ABNWA03010	SAB,S1N	G3
Coconino	BIRD	Falco peregrinus anatum	American Peregrine Falcon	SC	S		S	4	PR	WSC	ABNKD06071	S4	G4T4
Coconino	BIRD	Haliaeetus leucocephalus	Bald Eagle	SC	S		S	2	P	WSC	ABNKC10010	S2S3B,S4N	G5
Coconino	BIRD	Haliaeetus leucocephalus (wintering pop.)	Bald Eagle - Winter Population	SC	S		S	2	P	WSC	ABNKC10015	S4N	G5TNR
Coconino	BIRD	Megasceryle alcyon	Belted Kingfisher					4		WSC	ABNXD01020	S2B,S5N	G5

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Coconino	PLANT	Talinum parviflorum	Small-flowered Flame-flower								PDPOR080E0	S3	G5
Coconino	PLANT	Talinum validulum	Tusayan Flame Flower	SC						SR	PDPOR080M0	S3	G3
Coconino	PLANT	Thelypteris puberula var. sonorensis	Aravaipa Woodfern		S		S				PPTHE05192	S2	G5T3
Coconino	PLANT	Triteleia lemmoniae	Mazatzal Triteleia							SR	PMLIL210C0	S3	G3
Coconino	PLANT	Yucca whipplei	Our Lords Candle							SR	PMAGA0B0X0	S3S4	G4G5
Coconino	PLANT	Zigadenus vaginatus	Sheathed Deathcamas					3			PMLIL280C0	S1	G2
Coconino	PLANT	Zigadenus virescens	Green Death Camas							SR	PMLIL280E0	S4	G4
Coconino	PLANT	Zuckia brandegeei var. arizonica	Arizona Siltbush								PDCHE0R011	S2S3	G4T3
Coconino	REPTILE	Crotalus oreganus abyssus	Grand Canyon Rattlesnake								ARADE02121	S4	G5T4
Coconino	REPTILE	Crotaphytus bicinctores	Great Basin Collared Lizard								ARACF04010	S4	G5
Coconino	REPTILE	Lampropeltis triangulum taylori	Utah Milksnake					4			ARADB19058	S2	G5T4Q
Coconino	REPTILE	Phrynosoma hernandesi	Greater Short-horned Lizard								ARACF12080	S4	G5
Coconino	REPTILE	Plestiodon multivirgatus epipleurotus	Variable Skink						PR		ARACH01091	S3S4	G5T5
Coconino	REPTILE	Plestiodon skiltonianus	Western Skink								ARACH01110	S1	G5
Coconino	REPTILE	Thamnophis eques megalops	Northern Mexican Gartersnake	C*			S		A	WSC	ARADB36061	S1	G5T5
Coconino	REPTILE	Thamnophis rufipunctatus	Narrow-headed Gartersnake	SC			S			WSC	ARADB36110	S1	G3G4
Gila	AMPHIBIAN	Anaxyrus microscaphus	Arizona Toad	SC			S				AAABB01110	S3S4	G3G4
Gila	AMPHIBIAN	Craugastor augusti cactorum	Western Barking Frog				S			WSC	AAABD04171	S2	G5T5
Gila	AMPHIBIAN	Hyla wrightorum (Mogollon Rim Pop.)	Mogollon Rim Treefrog								AAABC02081	S4	G4T4
Gila	AMPHIBIAN	Lithobates chiricahuensis	Chiricahua Leopard Frog	LT		Y			A	WSC	AAABH01080	S2	G3
Gila	AMPHIBIAN	Rana yavapaiensis	Lowland Leopard Frog	SC	S		S		PR	WSC	AAABH01250	S3	G4
Gila	BIRD	Accipiter gentilis	Northern Goshawk	SC	S		S	4	A	WSC	ABNKC12060	S3B	G5
Gila	BIRD	Aquila chrysaetos	Golden Eagle		S			3	A		ABNKC22010	S4	G5
Gila	BIRD	Buteo albonotatus	Zone-tailed Hawk				S		PR		ABNKC19090	S4	G4
Gila	BIRD	Buteo plagiatus	Gray Hawk	SC			S			WSC	ABNKC19150	S3	G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Gila	BIRD	Buteogallus anthracinus	Common Black-Hawk				S		PR	WSC	ABNKC15010	S3	G4G5
Gila	BIRD	Camptostoma imberbe	Northern Beardless-Tyrannulet				S				ABPAE04010	S4	G5
Gila	BIRD	Coccyzus americanus	Yellow-billed Cuckoo (Western U.S. PS:C* DPS)				S	2		WSC	ABNRB02020	S3	G5
Gila	BIRD	Dolichonyx oryzivorus	Bobolink							WSC	ABPBXA9010	S1	G5
Gila	BIRD	Empidonax traillii extimus	Southwestern Willow Flycatcher	LE		Y		2	E	WSC	ABPAE33043	S1	G5T1T2
Gila	BIRD	Euptilotis neoxenus	Eared Quetzal				S		A		ABNWA03010	SAB,S1N	G3
Gila	BIRD	Falco peregrinus anatum	American Peregrine Falcon	SC	S		S	4	PR	WSC	ABNKD06071	S4	G4T4
Gila	BIRD	Haliaeetus leucocephalus (wintering pop.)	Bald Eagle - Winter Population	SC	S		S	2	P	WSC	ABNKC10015	S4N	G5TNR
Gila	BIRD	Haliaeetus leucocephalus pop. 3	Bald Eagle - Sonoran Desert Population	SC	S		S	2	P	WSC	ABNKC10014	S2S3	G5TNR
Gila	BIRD	Megaceryle alcyon	Belted Kingfisher					4		WSC	ABNXD01020	S2B,S5N	G5
Gila	BIRD	Pandion haliaetus	Osprey							WSC	ABNKC01010	S2B,S4N	G5
Gila	BIRD	Rallus longirostris yumanensis	Yuma Clapper Rail	LE					A	WSC	ABNME0501A	S3	G5T3
Gila	BIRD	Strix occidentalis lucida	Mexican Spotted Owl	LT		Y		3	A	WSC	ABNSB12012	S3S4	G3T3
Gila	FISH	Agosia chrysogaster chrysogaster	Gila Longfin Dace	SC	S		S		A		AFCJB37151	S3S4	G4T3T4
Gila	FISH	Catostomus clarkii	Desert Sucker	SC	S		S				AFCJC02040	S3S4	G3G4
Gila	FISH	Catostomus insignis	Sonora Sucker	SC	S		S		P		AFCJC02100	S3	G3
Gila	FISH	Gila intermedia	Gila Chub	LE		Y			P	WSC	AFCJB13160	S2	G2
Gila	FISH	Gila nigra	Headwater Chub	C			S				AFCJB13180	S2	G2Q
Gila	FISH	Gila robusta	Roundtail Chub	C*			S	2	A	WSC	AFCJB13150	S2	G3
Gila	FISH	Meda fulgida	Spikedace	LE		Y				WSC	AFCJB22010	S1	G2
Gila	FISH	Poeciliopsis occidentalis occidentalis	Gila Topminnow	LE					A	WSC	AFCNC05021	S1S2	G3
Gila	FISH	Rhinichthys osculus	Speckled Dace	SC	S				E		AFCJB37050	S3S4	G5
Gila	FISH	Xyrauchen texanus	Razorback Sucker	LE		Y		2	P	WSC	AFCJC11010	S1	G1
Gila	INVERTEBRATE	Agathon arizonicus	Netwing midge				S				IIDIP46010	S?	G1
Gila	INVERTEBRATE	Anodonta californiensis	California Floater	SC			S				IMBIV04020	S1	G3Q

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Gila	INVERTEBRATE	Cicindela oregona maricopa	Maricopa Tiger Beetle	SC							IICOL02362	S3	G5T3
Gila	INVERTEBRATE	Pyrgulopsis simplex	Fossil Springsnail	SC	S		S				IMGASJ0210	S1	G1G2
Gila	INVERTEBRATE	Pyrgulopsis sola	Brown Springsnail	SC	S		S				IMGASJ0220	S1	G1
Gila	MAMMAL	Antrozous pallidus	Pallid Bat								AMACC10010	S4	G5
Gila	MAMMAL	Bat Colony									OBATCOLONY	SU	GNR
Gila	MAMMAL	Bat Foraging Area	High Netting Concentration								OBATFORAG1	SU	GNR
Gila	MAMMAL	Corynorhinus townsendii pallescens	Pale Townsend's Big-eared Bat	SC	S		S	4			AMACC08014	S3S4	G3G4T3T4
Gila	MAMMAL	Eptesicus fuscus	Big Brown Bat								AMACC04010	S4S5	G5
Gila	MAMMAL	Eumops perotis californicus	Greater Western Bonneted Bat	SC	S		S				AMACD02011	S3	G5T4
Gila	MAMMAL	Idionycteris phyllotis	Allen's Lappet-browed Bat	SC	S		S				AMACC09010	S2S3	G3G4
Gila	MAMMAL	Lasionycteris noctivagans	Silver-haired Bat						PR		AMACC02010	S3S4	G5
Gila	MAMMAL	Lasiurus blossevillii	Western Red Bat				S			WSC	AMACC05060	S3	G5
Gila	MAMMAL	Lasiurus cinereus	Hoary Bat	No Status							AMACC05030	S4	G5
Gila	MAMMAL	Macrotus californicus	California Leaf-nosed Bat	SC	S		S			WSC	AMACB01010	S3	G4
Gila	MAMMAL	Myotis auriculus	Southwestern Myotis								AMACC01080	S3	G5
Gila	MAMMAL	Myotis californicus	California Myotis								AMACC01120	S4	G5
Gila	MAMMAL	Myotis occultus	Arizona Myotis	SC	S						AMACC01160	S3	G3G4
Gila	MAMMAL	Myotis thysanodes	Fringed Myotis	SC							AMACC01090	S3S4	G4
Gila	MAMMAL	Myotis velifer	Cave Myotis	SC	S						AMACC01050	S3S4	G5
Gila	MAMMAL	Myotis volans	Long-legged Myotis	SC							AMACC01110	S3S4	G5
Gila	MAMMAL	Myotis yumanensis	Yuma Myotis	SC							AMACC01020	S3S4	G5
Gila	MAMMAL	Nyctinomops femorosaccus	Pocketed Free-tailed Bat				S				AMACD04010	S3	G4
Gila	MAMMAL	Nyctinomops macrotis	Big Free-tailed Bat	SC							AMACD04020	S3	G5
Gila	MAMMAL	Perognathus flavus goodpasteri	Springerville Pocket Mouse	SC			S				AMAFD01031	S2	G5T3
Gila	PLANT	Abutilon parishii	Pima Indian Mallow	SC	S		S			SR	PDMAL020E0	S3	G2

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Gila	PLANT	Actaea arizonica	Arizona Bugbane	SC			S			HS	PDRAN07020	S2	G2
Gila	PLANT	Adiantum pedatum	American Maidenhair								PPADI030B0	S5	G5
Gila	PLANT	Agastache rupestris	Baboquivari Giant Hyssop								PDLAM030D0	S2	G3?
Gila	PLANT	Agave delamateri	Tonto Basin Agave	SC			S			HS	PMAGA010W0	S2	G2
Gila	PLANT	Agave murpheyi	Hohokam Agave	SC	S		S			HS	PMAGA010F0	S3	G2
Gila	PLANT	Agave phillipsiana	Grand Canyon Century Plant				S			HS	PMAGA01100	S1	G1?
Gila	PLANT	Agave toumeyana var. bella	Toumey Agave							SR	PMAGA010R1	S3	G3T3
Gila	PLANT	Agave x arizonica	Arizona agave	No status						HS	PMAGA01030	SHYB	G1Q
Gila	PLANT	Agrimonia gryposepala	Hook-nosed Agrimony								PDROS03030	S4	G5
Gila	PLANT	Arenaria aberrans	Mt. Dellenbaugh Sandwort				S				PDCAR04010	S2	G2
Gila	PLANT	Carex chihuahuensis	Chihuahuan Sedge				S				PMCYP032T0	S2S3	G3G4
Gila	PLANT	Carex meadii	Mead Sedge								PMCYP03870	S3?	G4G5
Gila	PLANT	Centaurea americana	Star Thistle								PDAST1Y010	S2?	G5
Gila	PLANT	Clematis palmeri	Palmer Leather Flower								PDRAN080M0	S1	G2?Q
Gila	PLANT	Crataegus rivularis	River Hawthorn								PDROS0H4F0	S1	G5
Gila	PLANT	Danthonia californica	Oat Grass								PMPOA20010	S4	G5
Gila	PLANT	Desmodium metcalfei	Metcalf's Tick-trefoil				S				PDFAB1D0V0	S2	G3G4
Gila	PLANT	Dieteria bigelovii var. mucronata	Bigelow's Tansy-aster								PDAST64073	S2	G4G5T2
Gila	PLANT	Dryopteris arguta	Western Shield Fern								PPDRY0A020	S2	G5
Gila	PLANT	Echinocereus triglochidiatus var. arizonicus	Arizona Hedgehog Cactus	LE						HS	PDCAC060K1	S2	G5T2
Gila	PLANT	Epilobium foliosum	Leafy Willow Herb								PDONA06080	S2	G5
Gila	PLANT	Ericameria brachylepis	Rayless Turpentine Bush								PDAST3L030	S4	G4
Gila	PLANT	Erigeron anchana	Mogollon Fleabane	SC			S				PDAST3M580	S2	G2
Gila	PLANT	Erigeron lobatus	Lobed Fleabane								PDAST3M2C0	S4	G4
Gila	PLANT	Erigeron pringlei	Pringle's Fleabane								PDAST3M3C0	S2	G2

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Gila	PLANT	Eriogonum capillare	San Carlos Wild-buckwheat	SC						SR	PDPGN08100	S4	G4
Gila	PLANT	Ferocactus cylindraceus	Desert Barrel Cactus						PR	SR	PDCAC08080	S4	G5
Gila	PLANT	Fremontodendron californicum	Flannel Bush		S					SR	PDSTE03010	S2S3	G4
Gila	PLANT	Heuchera eastwoodiae	Eastwood Alum Root				S				PDSAX0E0B0	S3	G3
Gila	PLANT	Heuchera glomerulata	Arizona Alum Root				S				PDSAX0E0F0	S3	G3
Gila	PLANT	Hymenoxys ambigens var. ambigens	Pinaleno Mountain Plummera								PDAST530T1	S1?	G3?T1?
Gila	PLANT	Hymenoxys jamesii									PDAST530R0	S2S3	G2G3
Gila	PLANT	Juncus articulatus	Jointed Rush								PMJUN01090	S3	G5
Gila	PLANT	Limonium limbatum	Marsh Rosemary								PDPLU02030	S1	G4
Gila	PLANT	Lupinus latifolius ssp. leucanthus	Broadleaf Lupine				S				PDFAB2B29D	S1	G5T1T2
Gila	PLANT	Mammillaria viridiflora	Varied Fishhook Cactus							SR	PDCAC0A0D0	S4	G4
Gila	PLANT	Nuphar luteum ssp. polysepalum	Yellow Pond Lily								PDNYM04014	S1	G5T5
Gila	PLANT	Osmorhiza brachypoda	Sweet Cicely								PDAP11K020	S1	G4
Gila	PLANT	Penstemon nudiflorus	Flagstaff Beardtongue				S				PDSCR1L4A0	S2S3	G2G3
Gila	PLANT	Penstemon superbus	Superb Beardtongue								PDSCR1L630	S2?	G3?
Gila	PLANT	Perityle gilensis var. salensis	Salt River Rock Daisy				S				PDAST700D2	S2?	G2?T2?
Gila	PLANT	Perityle saxicola	Fish Creek Rock Daisy	SC			S				PDAST700P0	S1	G1
Gila	PLANT	Phlox amabilis	Arizona Phlox				S				PDPLM0D050	S2	G2
Gila	PLANT	Plagiobothrys pringlei	Pringle Popcorn-flower								PDBOR0V0V0	S2	G3G4
Gila	PLANT	Polypodium glycyrrhiza	Licorice Fern								PPPOL020F0	S1	G5
Gila	PLANT	Polystichum scopulinum	Western Holly Fern								PPDRY0R0N0	S2	G5
Gila	PLANT	Rubus leucodermis	Western Raspberry								PDROS1K3Y0	S1S2	G5
Gila	PLANT	Rumex orthoneurus	Blumer's Dock	SC			S			HS	PDPGN0P0Z0	S3	G3
Gila	PLANT	Salvia amissa	Aravaipa Sage	SC	S		S				PDLAM1S020	S2	G2
Gila	PLANT	Senecio arizonicus	Arizona Groundsel								PDAST8H070	S4	G4

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Gila	PLANT	Trichostema brachiatum	Flux Weed								PDLAM22030	S4	G5
Gila	PLANT	Triteleia lemmoniae	Mazatzal Triteleia							SR	PMLIL210C0	S3	G3
Gila	REPTILE	Aspidoscelis pai	Pai Striped Whiptail								ARACJ02300	S1	G3G4
Gila	REPTILE	Gopherus morafkai	Sonoran Desert Tortoise	C*			S		A	WSC	ARAAF01013	S4	G4
Gila	REPTILE	Heloderma suspectum	Gila Monster						A		ARACE01010	S4	G4
Gila	REPTILE	Heloderma suspectum suspectum	Reticulate Gila Monster				S		A		ARACE01012	S4	G4T4
Gila	REPTILE	Phrynosoma hernandesi	Greater Short-horned Lizard								ARACF12080	S4	G5
Gila	REPTILE	Tantilla hobartsmithi	Smith's Black-headed Snake								ARADB35140	S5	G5
Gila	REPTILE	Thamnophis eques megalops	Northern Mexican Gartersnake	C*			S		A	WSC	ARADB36061	S1	G5T5
Gila	REPTILE	Thamnophis rufipunctatus	Narrow-headed Gartersnake	SC			S			WSC	ARADB36110	S1	G3G4
Gila	REPTILE	Xantusia bezyi	Bezy's Night Lizard								ARACK01060	S2	G3
Graham	AMPHIBIAN	Anaxyrus debilis insidiar	Western Green Toad						PR		AAABB01062	S3	G5T5
Graham	AMPHIBIAN	Anaxyrus microscaphus	Arizona Toad	SC			S				AAABB01110	S3S4	G3G4
Graham	AMPHIBIAN	Lithobates chiricahuensis	Chiricahua Leopard Frog	LT		Y			A	WSC	AAABH01080	S2	G3
Graham	AMPHIBIAN	Rana yavapaiensis	Lowland Leopard Frog	SC	S		S		PR	WSC	AAABH01250	S3	G4
Graham	AMPHIBIAN	Spea bombifrons	Plains Spadefoot								AAABF02010	S4	G5
Graham	BIRD	Accipiter gentilis	Northern Goshawk	SC	S		S	4	A	WSC	ABNKC12060	S3B	G5
Graham	BIRD	Amazilia violiceps	Violet-crowned Hummingbird				S			WSC	ABNUC29150	S3	G5
Graham	BIRD	Aquila chrysaetos	Golden Eagle		S			3	A		ABNKC22010	S4	G5
Graham	BIRD	Asio otus	Long-eared Owl								ABNSB13010	S2B,S3S4N	G5
Graham	BIRD	Athene cunicularia hypugaea	Western Burrowing Owl	SC	S		S	4	PR		ABNSB10012	S3	G4T4
Graham	BIRD	Buteo albonotatus	Zone-tailed Hawk				S		PR		ABNKC19090	S4	G4
Graham	BIRD	Buteo plagiatus	Gray Hawk	SC			S			WSC	ABNKC19150	S3	G5
Graham	BIRD	Buteo swainsoni	Swainson's Hawk				S		PR		ABNKC19070	S3	G5
Graham	BIRD	Buteogallus anthracinus	Common Black-Hawk				S		PR	WSC	ABNKC15010	S3	G4G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Graham	BIRD	Camptostoma imberbe	Northern Beardless-Tyrannulet				S				ABPAE04010	S4	G5
Graham	BIRD	Coccyzus americanus	Yellow-billed Cuckoo (Western U.S. PS:C* DPS)				S	2		WSC	ABNRB02020	S3	G5
Graham	BIRD	Empidonax traillii extimus	Southwestern Willow Flycatcher	LE		Y		2	E	WSC	ABPAE33043	S1	G5T1T2
Graham	BIRD	Falco peregrinus anatum	American Peregrine Falcon	SC	S		S	4	PR	WSC	ABNKD06071	S4	G4T4
Graham	BIRD	Haliaeetus leucocephalus (wintering pop.)	Bald Eagle - Winter Population	SC	S		S	2	P	WSC	ABNKC10015	S4N	G5TNR
Graham	BIRD	Haliaeetus leucocephalus pop. 3	Bald Eagle - Sonoran Desert Population	SC	S		S	2	P	WSC	ABNKC10014	S2S3	G5TNR
Graham	BIRD	Megaceryle alcyon	Belted Kingfisher					4		WSC	ABNXD01020	S2B,S5N	G5
Graham	BIRD	Recurvirostra americana	American Avocet								ABNND02010	S2	G5
Graham	BIRD	Strix occidentalis lucida	Mexican Spotted Owl	LT		Y		3	A	WSC	ABNSB12012	S3S4	G3T3
Graham	BIRD	Trogon elegans	Elegant Trogon							WSC	ABNWA02070	S3	G5
Graham	FISH	Agosia chrysogaster chrysogaster	Gila Longfin Dace	SC	S		S		A		AFCJB37151	S3S4	G4T3T4
Graham	FISH	Catostomus clarkii	Desert Sucker	SC	S		S				AFCJC02040	S3S4	G3G4
Graham	FISH	Catostomus insignis	Sonora Sucker	SC	S		S		P		AFCJC02100	S3	G3
Graham	FISH	Cyprinodon macularius	Desert Pupfish	LE		Y			P	WSC	AFCNB02060	S1	G1
Graham	FISH	Gila intermedia	Gila Chub	LE		Y			P	WSC	AFCJB13160	S2	G2
Graham	FISH	Gila nigra	Headwater Chub	C			S				AFCJB13180	S2	G2Q
Graham	FISH	Gila robusta	Roundtail Chub	C*			S	2	A	WSC	AFCJB13150	S2	G3
Graham	FISH	Meda fulgida	Spikedace	LE		Y				WSC	AFCJB22010	S1	G2
Graham	FISH	Oncorhynchus apache	Apache Trout	LT						WSC	AFCHA02102	S3	G3T3
Graham	FISH	Poeciliopsis occidentalis occidentalis	Gila Topminnow	LE					A	WSC	AFCNC05021	S1S2	G3
Graham	FISH	Rhinichthys osculus	Speckled Dace	SC	S				E		AFCJB37050	S3S4	G5
Graham	FISH	Tiaroga cobitis	Loach Minnow	LE		Y			E	WSC	AFCJB37140	S1	G2
Graham	FISH	Xyrauchen texanus	Razorback Sucker	LE		Y		2	P	WSC	AFCJC11010	S1	G1
Graham	INVERTEBRATE	Anodonta californiensis	California Floater	SC			S				IMBIV04020	S1	G3Q
Graham	INVERTEBRATE	Cicindela oregona maricopa	Maricopa Tiger Beetle	SC							IICOL02362	S3	G5T3

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Graham	INVERTEBRATE	Eumorsea pinaleno	Pinaleno Monkey Grasshopper	SC			S				IORT14010	S1S3	G1G3
Graham	INVERTEBRATE	Limenitis archippus obsoleta	Obsolete Viceroy Butterfly								IILEPL3024	S4	G5T3T4
Graham	INVERTEBRATE	Oreohelix grahamensis	Pinaleno Mountainsnail				S				IMGASB5120	S2	G2
Graham	INVERTEBRATE	Pyrgulopsis arizonae	Bylas Springsnail	SC	S						IMGASJ0770	S1	G1
Graham	INVERTEBRATE	Sonorella christenseni	Clark Peak Talussnail	SC			S				IMGASC9150	S1	G1
Graham	INVERTEBRATE	Sonorella grahamensis	Pinaleno Talussnail	SC			S				IMGASC9280	S1	G1
Graham	INVERTEBRATE	Sonorella imitator	Mimic Talussnail				S				IMGASC9320	S2	G2
Graham	INVERTEBRATE	Sonorella macrophallus	Wet Canyon Talussnail	SC			S				IMGASC9360	S1	G1
Graham	INVERTEBRATE	Tryonia gilae	Gila Tryonia	SC	S						IMGASJ7160	S1	G1
Graham	MAMMAL	Antrozous pallidus	Pallid Bat								AMACC10010	S4	G5
Graham	MAMMAL	Baiomys taylori	Northern Pygmy Mouse				S				AMAFF05010	S3	G4G5
Graham	MAMMAL	Bat Colony									OBATCOLONY	SU	GNR
Graham	MAMMAL	Bat Foraging Area	High Netting Concentration								OBATFORAG1	SU	GNR
Graham	MAMMAL	Choeronycteris mexicana	Mexican Long-tongued Bat	SC	S		S		A	WSC	AMACB02010	S3	G4
Graham	MAMMAL	Corynorhinus townsendii pallescens	Pale Townsend's Big-eared Bat	SC	S		S	4			AMACC08014	S3S4	G3G4T3T4
Graham	MAMMAL	Eumops perotis californicus	Greater Western Bonneted Bat	SC	S		S				AMACD02011	S3	G5T4
Graham	MAMMAL	Idionycteris phyllotis	Allen's Lappet-browed Bat	SC	S		S				AMACC09010	S2S3	G3G4
Graham	MAMMAL	Lasionycteris noctivagans	Silver-haired Bat						PR		AMACC02010	S3S4	G5
Graham	MAMMAL	Lasiurus blossevillii	Western Red Bat				S			WSC	AMACC05060	S3	G5
Graham	MAMMAL	Lasiurus cinereus	Hoary Bat			No Status					AMACC05030	S4	G5
Graham	MAMMAL	Lasiurus xanthinus	Western Yellow Bat				S			WSC	AMACC05070	S2S3	G5
Graham	MAMMAL	Leptonycteris curasoae yerbabuena	Lesser Long-nosed Bat	LE					A	WSC	AMACB03030	S2S3	G4
Graham	MAMMAL	Macrotus californicus	California Leaf-nosed Bat	SC	S		S			WSC	AMACB01010	S3	G4
Graham	MAMMAL	Microtus longicaudus leucophaeus	White-bellied Long-tailed Vole				S				AMAFF11061	S2	G5T3
Graham	MAMMAL	Mustela frenata	Long-tailed Weasel								AMAJF02030	S4	G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Graham	MAMMAL	Myotis ciliolabrum	Western Small-footed Myotis	SC							AMACC01140	S3S4	G5
Graham	MAMMAL	Myotis velifer	Cave Myotis	SC	S						AMACC01050	S3S4	G5
Graham	MAMMAL	Myotis yumanensis	Yuma Myotis	SC							AMACC01020	S3S4	G5
Graham	MAMMAL	Nyctinomops femorosaccus	Pocketed Free-tailed Bat				S				AMACD04010	S3	G4
Graham	MAMMAL	Nyctinomops macrotis	Big Free-tailed Bat	SC							AMACD04020	S3	G5
Graham	MAMMAL	Reithrodontomys montanus	Plains Harvest Mouse				S				AMAFF02010	S3	G5
Graham	MAMMAL	Sigmodon ochrognathus	Yellow-nosed Cotton Rat	SC			S				AMAFF07040	S4	G4G5
Graham	MAMMAL	Tadarida brasiliensis	Brazilian Free-tailed Bat								AMACD01010	S3S4	G5
Graham	MAMMAL	Tamiasciurus hudsonicus grahamensis	Mt Graham Red Squirrel	LE		Y				WSC	AMAFB08011	S1	G5T1
Graham	MAMMAL	Thomomys bottae mearnsi	Mearns' Southern Pocket Gopher	SC			PS				AMAFB0102G	S5	G5T5
Graham	PLANT	Abutilon parishii	Pima Indian Mallow	SC	S		S			SR	PDMAL020E0	S3	G2
Graham	PLANT	Abutilon reventum	Yellow Indian Mallow								PDMAL020J0	S2	G3G5
Graham	PLANT	Allium bigelovii	Bigelow Onion							SR	PMLIL02070	S2S3	G3
Graham	PLANT	Ammannia auriculata	Eared Toothcup								PDLYT01010	S1	G5
Graham	PLANT	Bacopa rotundifolia	Disk Water Hyssop								PDSCR06080	S1	G5
Graham	PLANT	Carex chihuahuensis	Chihuahuan Sedge				S				PMCYP032T0	S2S3	G3G4
Graham	PLANT	Carex ultra	Arizona Giant Sedge		S		S				PMCYP03E50	S2	G3?
Graham	PLANT	Castilleja lanata	White-woolly Indian-paintbrush								PDSCR0D1L0	S4	G5
Graham	PLANT	Danthonia californica	Oat Grass								PMPOA20010	S4	G5
Graham	PLANT	Echinocereus ledingii	Pinaleno Hedgehog Cactus							SR	PDCAC06066	S4	G4G5T4
Graham	PLANT	Erigeron arizonicus	Arizona Fleabane								PDAST3M0B0	S3	G3?
Graham	PLANT	Erigeron heliographis	Pinalenos Fleabane	SC			S				PDAST3M500	S2	G2
Graham	PLANT	Erigeron piscaticus	Fish Creek Fleabane	SC	S		S			SR	PDAST3M4X0	S1	G1
Graham	PLANT	Erigeron pringlei	Pringle's Fleabane								PDAST3M3C0	S2	G2
Graham	PLANT	Eriogonum capillare	San Carlos Wild-buckwheat	SC						SR	PDPGN08100	S4	G4

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Graham	PLANT	Eupatorium bigelovii	Bigelow Thoroughwort								PDAST3P080	S1	G2?
Graham	PLANT	Euphorbia trachysperma	Roughseed Spurge								PDEUP0D2E0	S4	G4
Graham	PLANT	Hackelia ursina	Chihuahuan Stickseed								PDBOR0G0R0	S2	G3?
Graham	PLANT	Heteranthera limosa	Mud Plantain								PMPON03030	S1	G5
Graham	PLANT	Heuchera glomerulata	Arizona Alum Root				S				PDSAX0E0F0	S3	G3
Graham	PLANT	Hieracium rusbyi	Rusby Hawkweed				S				PDAST4W1A0	S1	G2?
Graham	PLANT	Hymenoxys ambigens var. ambigens	Pinaleno Mountain Plummera								PDAST530T1	S1?	G3?T1?
Graham	PLANT	Hypericum anagalloides	Pygmy St Johns Wort								PDCLU03020	S2	G4
Graham	PLANT	Limonium limbatum	Marsh Rosemary								PDPLU02030	S1	G4
Graham	PLANT	Lindernia dubia var. anagallidea	False Pimpernel								PDSCR12041	S1	G5T4
Graham	PLANT	Ludwigia palustris	Marsh Purslane								PDONA0B0H0	S1	G5
Graham	PLANT	Mammillaria viridiflora	Varied Fishhook Cactus							SR	PDCAC0A0D0	S4	G4
Graham	PLANT	Mammillaria wrightii var. wilcoxii	Wilcox Fishhook Cactus							SR	PDCAC0A0E1	S4	G4T4
Graham	PLANT	Maurandya wislizeni	Dune Snapdragon Vine								PDSCR2G010	S1	G4
Graham	PLANT	Pediomelum pentaphyllum	Small Indian Breadroot	SC	S		S				PDFAB5L070	S1	G1
Graham	PLANT	Penstemon discolor	Catalina Beardtongue				S			HS	PDSCR1L210	S2	G2
Graham	PLANT	Penstemon ramosus	Branching Penstemon								PDSCR1L7L0	S1	G3G4Q
Graham	PLANT	Penstemon superbus	Superb Beardtongue								PDSCR1L630	S2?	G3?
Graham	PLANT	Physalis latiphysa	Broad-leaf Ground-cherry				S				PDSOL0S0H0	S1	G1
Graham	PLANT	Physocarpus monogynus	Mountain Ninebark								PDROS19040	S4	G4
Graham	PLANT	Platanthera hyperborea	Boreal Bog Orchid							SR	PMORC1Y0B0	S3S4	G5
Graham	PLANT	Platanthera purpurascens	Slender Bog Orchid							SR	PMORC1Y0P0	S4	G5
Graham	PLANT	Polemonium flavum	Pinaleno Jacobs Ladder								PDPLM0E0B2	S2	G5T3?
Graham	PLANT	Polystichum lonchitis	Mountain Holly Fern								PPDRY0R0F0	S3	G5
Graham	PLANT	Potentilla albiflora	White-flowered Cinquefoil				S				PDROS1B010	S1S2	G1G2

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Graham	PLANT	Purshia subintegra	Arizona Cliff Rose	LE						HS	PDROS1E080	S1	GNA
Graham	PLANT	Rotala ramosior	Branched Toothcup								PDLYT0B030	S1	G5
Graham	PLANT	Rumex orthoneurus	Blumer's Dock	SC			S			HS	PDPGN0P0Z0	S3	G3
Graham	PLANT	Sagittaria longiloba	Flecha de Agua								PMALI040J0	S1	G5
Graham	PLANT	Salvia amissa	Aravaipa Sage	SC	S		S				PDLAM1S020	S2	G2
Graham	PLANT	Schiedeella arizonica	Fallen Ladies'-tresses							SR	PMORC67020	S4	GNR
Graham	PLANT	Senecio arizonicus	Arizona Groundsel								PDAST8H070	S4	G4
Graham	PLANT	Solanum heterodoxum	Melonleaf Nightshade								PDSOL0Z0X0	S4	G4G5
Graham	PLANT	Sophora arizonica	Arizona Necklace								PDFAB3N020	S3	G3
Graham	PLANT	Streptanthus carinatus	Lyre-leaved Twistflower								PDBRA2G0C0	S3S4	G4
Graham	PLANT	Talinum gooddingii	Goodding's Flameflower								PDPOR08090	S1	G1Q
Graham	PLANT	Tillandsia recurvata	Ball Moss								PMBRO090E0	S2	G5
Graham	REPTILE	Aspidoscelis arizonae	Arizona Striped Whiptail		S						ARACJ02071	S1S2	G2
Graham	REPTILE	Aspidoscelis burti stictogrammus	Giant Spotted Whiptail	SC			S				ARACJ02011	S2	G4T4
Graham	REPTILE	Crotalus pricei	Twin-spotted Rattlesnake				S		PR		ARADE02080	S2	G5
Graham	REPTILE	Gopherus morafkai	Sonoran Desert Tortoise	C*			S		A	WSC	ARAAF01013	S4	G4
Graham	REPTILE	Gyalopion canum	Chihuahuan Hook-nosed Snake								ARADB16010	S3	G5
Graham	REPTILE	Heterodon kennerlyi	Mexican Hog-nosed Snake								ARADB17012	S3	G5T4
Graham	REPTILE	Kinosternon flavescens	Yellow Mud Turtle								ARAAE01020	S1	G5
Graham	REPTILE	Phrynosoma cornutum	Texas Horned Lizard	SC							ARACF12010	S3S4	G4G5
Graham	REPTILE	Phrynosoma modestum	Round-tailed Horned Lizard								ARACF12050	S3	G5
Graham	REPTILE	Tantilla nigriceps	Plains Black-headed Snake								ARADB35050	S2	G5
Graham	REPTILE	Terrapene ornata luteola	Desert Box Turtle		S				PR		ARAAD08021	S2S3	G5T4
Graham	REPTILE	Thamnophis elegans vagrans	Wandering Gartersnake								ARADB36051	S5	G5T5
Graham	REPTILE	Thamnophis eques megalops	Northern Mexican Gartersnake	C*			S		A	WSC	ARADB36061	S1	G5T5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Graham	REPTILE	Thamnophis rufipunctatus	Narrow-headed Gartersnake	SC			S			WSC	ARADB36110	S1	G3G4
Greenlee	AMPHIBIAN	Anaxyrus microscaphus	Arizona Toad	SC			S				AAABB01110	S3S4	G3G4
Greenlee	AMPHIBIAN	Hyla wrightorum (Mogollon Rim Pop.)	Mogollon Rim Treefrog								AAABC02081	S4	G4T4
Greenlee	AMPHIBIAN	Lithobates chiricahuensis	Chiricahua Leopard Frog	LT		Y			A	WSC	AAABH01080	S2	G3
Greenlee	AMPHIBIAN	Rana pipiens	Northern Leopard Frog		S		S	2		WSC	AAABH01170	S2	G5
Greenlee	AMPHIBIAN	Rana yavapaiensis	Lowland Leopard Frog	SC	S		S		PR	WSC	AAABH01250	S3	G4
Greenlee	BIRD	Accipiter gentilis	Northern Goshawk	SC	S		S	4	A	WSC	ABNKC12060	S3B	G5
Greenlee	BIRD	Aquila chrysaetos	Golden Eagle		S			3	A		ABNKC22010	S4	G5
Greenlee	BIRD	Buteo albonotatus	Zone-tailed Hawk				S		PR		ABNKC19090	S4	G4
Greenlee	BIRD	Buteogallus anthracinus	Common Black-Hawk				S		PR	WSC	ABNKC15010	S3	G4G5
Greenlee	BIRD	Coccyzus americanus	Yellow-billed Cuckoo (Western U.S. PS:C* DPS)				S	2		WSC	ABNRB02020	S3	G5
Greenlee	BIRD	Empidonax traillii extimus	Southwestern Willow Flycatcher	LE		Y		2	E	WSC	ABPAE33043	S1	G5T1T2
Greenlee	BIRD	Euptilotis neoxenus	Eared Quetzal				S		A		ABNWA03010	SAB,S1N	G3
Greenlee	BIRD	Falco peregrinus anatum	American Peregrine Falcon	SC	S		S	4	PR	WSC	ABNKD06071	S4	G4T4
Greenlee	BIRD	Haliaeetus leucocephalus (wintering pop.)	Bald Eagle - Winter Population	SC	S		S	2	P	WSC	ABNKC10015	S4N	G5TNR
Greenlee	BIRD	Pandion haliaetus	Osprey							WSC	ABNKC01010	S2B,S4N	G5
Greenlee	BIRD	Strix occidentalis lucida	Mexican Spotted Owl	LT		Y		3	A	WSC	ABNSB12012	S3S4	G3T3
Greenlee	FISH	Agosia chrysogaster chrysogaster	Gila Longfin Dace	SC	S		S		A		AFCJB37151	S3S4	G4T3T4
Greenlee	FISH	Catostomus clarkii	Desert Sucker	SC	S		S				AFCJC02040	S3S4	G3G4
Greenlee	FISH	Catostomus insignis	Sonora Sucker	SC	S		S		P		AFCJC02100	S3	G3
Greenlee	FISH	Gila intermedia	Gila Chub	LE		Y			P	WSC	AFCJB13160	S2	G2
Greenlee	FISH	Gila robusta	Roundtail Chub	C*			S	2	A	WSC	AFCJB13150	S2	G3
Greenlee	FISH	Meda fulgida	Spikedace	LE		Y				WSC	AFCJB22010	S1	G2
Greenlee	FISH	Oncorhynchus apache	Apache Trout	LT						WSC	AFCHA02102	S3	G3T3
Greenlee	FISH	Oncorhynchus gilae	Gila Trout	LT						WSC	AFCHA02100	S1	G3

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Navajo	REPTILE	Thamnophis rufipunctatus	Narrow-headed Gartersnake	SC			S			WSC	ARADB36110	S1	G3G4
Pima	AMPHIBIAN	Anaxyrus retiformis	Sonoran Green Toad		S				PR		AAABB01140	S3	G3G4
Pima	AMPHIBIAN	Craugastor augusti cactorum	Western Barking Frog				S			WSC	AAABD04171	S2	G5T5
Pima	AMPHIBIAN	Gastrophryne olivacea	Western Narrow-mouthed Toad		S		S		PR	WSC	AAABE01020	S3	G5
Pima	AMPHIBIAN	Lithobates chiricahuensis	Chiricahua Leopard Frog	LT		Y			A	WSC	AAABH01080	S2	G3
Pima	AMPHIBIAN	Rana yavapaiensis	Lowland Leopard Frog	SC	S		S		PR	WSC	AAABH01250	S3	G4
Pima	AMPHIBIAN	Smilisca fodiens	Lowland Burrowing Treefrog		S					WSC	AAABC06010	S2	G4
Pima	BIRD	Accipiter gentilis	Northern Goshawk	SC	S		S	4	A	WSC	ABNKC12060	S3B	G5
Pima	BIRD	Ammodramus bairdii	Baird's Sparrow	SC			S			WSC	ABPBXA0010	S2N	G4
Pima	BIRD	Ammodramus savannarum ammolagus	Arizona grasshopper sparrow		S		S				ABPBXA0021	S1S2	G5TU
Pima	BIRD	Amphispiza quinquestriata	Five-striped Sparrow								ABPBX97030	S1S2	G4
Pima	BIRD	Antrostomus ridgwayi	Buff-collared Nightjar				S				ABNTA07060	S2S3	G5
Pima	BIRD	Aquila chrysaetos	Golden Eagle		S			3	A		ABNKC22010	S4	G5
Pima	BIRD	Ardea herodias	Great Blue Heron								ABNGA04010	S5	G5
Pima	BIRD	Asio otus	Long-eared Owl								ABNSB13010	S2B,S3S4N	G5
Pima	BIRD	Athene cunicularia hypugaea	Western Burrowing Owl	SC	S		S	4	PR		ABNSB10012	S3	G4T4
Pima	BIRD	Buteo albonotatus	Zone-tailed Hawk				S		PR		ABNKC19090	S4	G4
Pima	BIRD	Buteo lineatus	Red-shouldered Hawk						PR		ABNKC19030	SA	G5
Pima	BIRD	Buteo plagiatus	Gray Hawk	SC			S			WSC	ABNKC19150	S3	G5
Pima	BIRD	Buteo swainsoni	Swainson's Hawk				S		PR		ABNKC19070	S3	G5
Pima	BIRD	Buteogallus anthracinus	Common Black-Hawk				S		PR	WSC	ABNKC15010	S3	G4G5
Pima	BIRD	Calamospiza melanocorys	Lark Bunting								ABPBX98010	S1B,S5N	G5
Pima	BIRD	Camptostoma imberbe	Northern Beardless-Tyrannulet				S				ABPAE04010	S4	G5
Pima	BIRD	Caracara cheriway	Crested Caracara	No Status						WSC	ABNKD02020	S1S2	G5
Pima	BIRD	Cathartes aura	Turkey Vulture								ABNKA02010	S5	G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Pima	BIRD	Catharus ustulatus	Swainson's Thrush								ABPBJ18100	S1	G5
Pima	BIRD	Chloroceryle americana	Green Kingfisher								ABNXD02020	S2	G5
Pima	BIRD	Coccyzus americanus	Yellow-billed Cuckoo (Western U.S. PS:C* DPS)				S	2		WSC	ABNRB02020	S3	G5
Pima	BIRD	Colinus virginianus ridgwayi	Masked Bobwhite	LE					P	WSC	ABNLC21022	S1	G5T1
Pima	BIRD	Coragyps atratus	Black Vulture								ABNKA01010	S1S2	G5
Pima	BIRD	Dendrocygna autumnalis	Black-bellied Whistling-Duck							WSC	ABNJB01040	S3	G5
Pima	BIRD	Dendrocygna bicolor	Fulvous Whistling-Duck	SC							ABNJB01010	SAN	G5
Pima	BIRD	Empidonax fulvifrons pygmaeus	Northern Buff-breasted Flycatcher	SC			S			WSC	ABPAE33141	S1	G5T5
Pima	BIRD	Empidonax traillii extimus	Southwestern Willow Flycatcher	LE		Y		2	E	WSC	ABPAE33043	S1	G5T1T2
Pima	BIRD	Falco peregrinus anatum	American Peregrine Falcon	SC	S		S	4	PR	WSC	ABNKD06071	S4	G4T4
Pima	BIRD	Glaucidium brasilianum cactorum	Cactus Ferruginous Pygmy-owl	SC	S		S			WSC	ABNSB08041	S1	G5T3
Pima	BIRD	Himantopus mexicanus	Black-necked Stilt								ABNND01010	S2	G5
Pima	BIRD	Icterus bullockii	Bullock's Oriole								ABPBXB9220	S4BS1N	G5
Pima	BIRD	Mniotilta varia	Black-and-white Warbler								ABPBX05010	S1B,S1N	G5
Pima	BIRD	Pachyrhamphus aglaiae	Rose-throated Becard				S			WSC	ABPAE53070	S1	G4G5
Pima	BIRD	Pandion haliaetus	Osprey							WSC	ABNKC01010	S2B,S4N	G5
Pima	BIRD	Parabuteo unicinctus	Harris's Hawk						PR		ABNKC16010	S5	G5
Pima	BIRD	Peucaea carpalis	Rufous-winged Sparrow								ABPBX91080	S3	G4
Pima	BIRD	Poliophtila nigriceps	Black-capped Gnatcatcher							WSC	ABPBJ08040	S1	G5
Pima	BIRD	Rallus longirostris yumanensis	Yuma Clapper Rail	LE					A	WSC	ABNME0501A	S3	G5T3
Pima	BIRD	Spinus tristis	American Goldfinch								ABPBY06110	S1B,S5N	G5
Pima	BIRD	Strix occidentalis lucida	Mexican Spotted Owl	LT		Y		3	A	WSC	ABNSB12012	S3S4	G3T3
Pima	BIRD	Trogon elegans	Elegant Trogon							WSC	ABNWA02070	S3	G5
Pima	BIRD	Tyrannus crassirostris	Thick-billed Kingbird				S			WSC	ABPAE52040	S2	G5
Pima	BIRD	Tyrannus melancholicus	Tropical Kingbird							WSC	ABPAE52010	S3	G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Pima	BIRD	Zonotrichia leucophrys	White-crowned Sparrow								ABPBXA4040	S1B,S5N	G5
Pima	FISH	Agosia chrysogaster chrysogaster	Gila Longfin Dace	SC	S		S		A		AFCJB37151	S3S4	G4T3T4
Pima	FISH	Catostomus clarkii	Desert Sucker	SC	S		S				AFCJC02040	S3S4	G3G4
Pima	FISH	Cyprinodon eremus	Quitobaquito Pupfish	LE		Y				WSC	AFCNB02140	S1	G1
Pima	FISH	Cyprinodon macularius	Desert Pupfish	LE		Y			P	WSC	AFCNB02060	S1	G1
Pima	FISH	Gila intermedia	Gila Chub	LE		Y			P	WSC	AFCJB13160	S2	G2
Pima	FISH	Poeciliopsis occidentalis occidentalis	Gila Topminnow	LE					A	WSC	AFCNC05021	S1S2	G3
Pima	INVERTEBRATE	Abaeis nicippe	Sleepy Orange								IILEPB4110	S?	G5
Pima	INVERTEBRATE	Agathymus aryxna	Arizona Giant Skipper								IILEP87080	S5	G4G5
Pima	INVERTEBRATE	Agathymus gentryi	Gentry's Giant-skipper								IILEP87220	S?	G3G4
Pima	INVERTEBRATE	Agathymus polingi	Poling's Giant Skipper								IILEP87190	S2	G4
Pima	INVERTEBRATE	Albiorix anophthalmus	A Cave Obligate Pseudoscorpion								ILARAD4010	S?	G1G2
Pima	INVERTEBRATE	Amblyscirtes nysa	Nysa Roadside Skipper								IILEP80160	S?	G5
Pima	INVERTEBRATE	Amblyscirtes tolteca	Toltec Roadside-skipper								IILEP80110	S?	G3G4
Pima	INVERTEBRATE	Anthocharis cethura	Desert Orangetip								IILEPA6010	S4	G4G5
Pima	INVERTEBRATE	Anthocharis thoosa	Sonoran Orangetip								IILEPA6090	S5	G5
Pima	INVERTEBRATE	Apodemia palmerii	Palmer's Metalmark								IILEPH7040	S?	G5
Pima	INVERTEBRATE	Appias drusilla	Tropical White								IILEPA0010	S?	G5
Pima	INVERTEBRATE	Argia sabino	Sabino Canyon Dancer	SC			S				HODO68100	S2	G2
Pima	INVERTEBRATE	Asterocampa leilia	Empress Leilia								IILEPM7050	S?	G5
Pima	INVERTEBRATE	Battus philenor	Pipevine Swallowtail								IILEP92010	S?	G5
Pima	INVERTEBRATE	Brephidium exilis	Western Pygmy-blue								IILEPF5010	S?	G5
Pima	INVERTEBRATE	Calephelis arizonensis	Arizona Metalmark								IILEPH2073	S2	G3G4
Pima	INVERTEBRATE	Celastrina "argiolus-ladon complex"	Azures in Part								IILEPG0090	S?	G5
Pima	INVERTEBRATE	Chlosyne californica	California Patch								IILEPJ9060	S?	G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Pima	INVERTEBRATE	Chlosyne fulvia	Fulvia Checkerspot								IILEPJA040	S?	G5
Pima	INVERTEBRATE	Chlosyne lacinia	Bordered Patch								IILEPJ9070	S?	G5
Pima	INVERTEBRATE	Cicindela sedecimpunctata	Western Red-bellied Tiger Beetle								IICOL024F0	S5	G5
Pima	INVERTEBRATE	Cogia hippalus	Acacia Skipper								IILEP21020	S?	G5
Pima	INVERTEBRATE	Colias eurytheme	Alfalfa Sulphur								IILEPA8020	S?	G5
Pima	INVERTEBRATE	Copaeodes aurantiaca	Orange Skipperling								IILEP58010	S?	G5
Pima	INVERTEBRATE	Cylindera lemniscata	White-striped Tiger Beetle								IICOL025W0	S5	G5
Pima	INVERTEBRATE	Danaus gilippus	Queen								IILEPP2020	S?	G5
Pima	INVERTEBRATE	Danaus plexippus	Monarch						PR		IILEPP2010	SN?	G5
Pima	INVERTEBRATE	Dymasia dymas	Dymas Checkerspot								IILEPK1010	S?	G5
Pima	INVERTEBRATE	Echinargus isola	Reakirt's Blue								IILEPF8030	S?	G5
Pima	INVERTEBRATE	Erynnis funeralis	Funereal Dusky Wing								IILEP37130	S?	G5
Pima	INVERTEBRATE	Erynnis tristis	Mournful Dusky Wing								IILEP37090	S?	G5
Pima	INVERTEBRATE	Euphilotes bernardino	Bernadino Blue								IILEPG2070	S?	G3G4
Pima	INVERTEBRATE	Euptoieta claudia	Variagated Fritillary								IILEPJ5010	S?	G5
Pima	INVERTEBRATE	Eurema mexicana	Mexican Yellow								IILEPB4030	S?	G5
Pima	INVERTEBRATE	Heliopyrgus domicella	Erichson's White-skipper								IILEP39010	S?	G5
Pima	INVERTEBRATE	Hemiargus ceraunus	Ceraunus Blue								IILEPF8020	S?	G5
Pima	INVERTEBRATE	Hylephila phyleus	Fiery Skipper								IILEP61010	S?	G5
Pima	INVERTEBRATE	Junonia coenia	Buckeye								IILEPL0010	S?	G5
Pima	INVERTEBRATE	Kricogonia lyside	Lyside								IILEPB3010	S?	G5
Pima	INVERTEBRATE	Leptotes marina	Marine Blue								IILEPF6020	S?	G5
Pima	INVERTEBRATE	Lerodea arabus	Violet-clouded Skipper								IILEP81020	S?	G5
Pima	INVERTEBRATE	Lerodea eufala	Eufala Skipper								IILEP81010	S?	G5
Pima	INVERTEBRATE	Limenitis archippus obsoleta	Obsolete Viceroy Butterfly								IILEPL3024	S4	G5T3T4

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Pima	INVERTEBRATE	Ministrymon leda	Leda Hairstreak								IILEPD6020	S?	G5
Pima	INVERTEBRATE	Myscelia cyananthe	Blackened Bluewing								IILEPL5040	S?	G5
Pima	INVERTEBRATE	Nathalis iole	Dainty Sulphur								IILEPB7010	S?	G5
Pima	INVERTEBRATE	Neophasia terlooii	Chiricahua Pine White								IILEP99020	S4	G3G4
Pima	INVERTEBRATE	Nymphalis antiopa	Mourning Cloak								IILEPK6030	S?	G5
Pima	INVERTEBRATE	Papilio cresphontes	Giant Swallowtail								IILEP94120	S?	G5
Pima	INVERTEBRATE	Papilio multicaudata	Two-tailed Swallowtail								IILEP94200	S?	G5
Pima	INVERTEBRATE	Papilio polyxenes	Black Swallowtail								IILEP94010	S?	G5
Pima	INVERTEBRATE	Phoebis sennae	Cloudless Sulphur								IILEPB1010	S?	G5
Pima	INVERTEBRATE	Pholisora catullus	Common Sooty Wing								IILEP41010	S?	G5
Pima	INVERTEBRATE	Pieris rapae	Cabbage Butterfly								IILEPA2030	SE	G5
Pima	INVERTEBRATE	Polygonus leo	Hammock Skipper								IILEP05010	S?	G5
Pima	INVERTEBRATE	Pyrgus albescens	Western Checkered Skipper								IILEP38060	S?	G5
Pima	INVERTEBRATE	Pyrgus philetas	Philetas Checkered Skipper								IILEP38080	S?	G5
Pima	INVERTEBRATE	Pyrisitia proterpia	Tailed Orange								IILEPB4050	S1S2B	G5
Pima	INVERTEBRATE	Sonorella eremita	San Xavier Talussnail	SC							IMGASC9240	S1	G1
Pima	INVERTEBRATE	Sonorella papagorum	Black Mountain Talussnail								IMGASC9480	S1	G1
Pima	INVERTEBRATE	Staphylus ceos	Ceos Skipper								IILEP25010	S?	G5
Pima	INVERTEBRATE	Strymon melinus	Gray Hairstreak								IILEPF2010	S?	G5
Pima	INVERTEBRATE	Systasea zampa	Arizona Powdered Skipper								IILEP30020	S?	G5
Pima	INVERTEBRATE	Texola elada	Elada Checkerspot								IILEPK2010	S?	G5
Pima	INVERTEBRATE	Tryonia quitobaquiae	Quitobaquito Tryonia	SC							IMGASJ7130	S1	G1
Pima	INVERTEBRATE	Urbanus dorantes	Dorantes Skipper								IILEP12040	S?	G5
Pima	INVERTEBRATE	Vanessa annabella	West Coast Lady								IILEPK7030	S?	G5
Pima	INVERTEBRATE	Vanessa atalanta	Red Admiral								IILEPK7040	S?	G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Pima	INVERTEBRATE	Vanessa cardui	Painted Lady								IILEPK7020	S?	G5
Pima	INVERTEBRATE	Vanessa virginiensis	American Painted Lady								IILEPK7010	S?	G5
Pima	INVERTEBRATE	Zerene cesonia	Southern Dogface								IILEPA9010	S?	G5
Pima	MAMMAL	Antilocapra americana sonoriensis	Sonoran Pronghorn	LE					P	WSC	AMALD01012	S1	G5T1
Pima	MAMMAL	Antrozous pallidus	Pallid Bat								AMACC10010	S4	G5
Pima	MAMMAL	Baiomys taylori	Northern Pygmy Mouse				S				AMAFF05010	S3	G4G5
Pima	MAMMAL	Bat Colony									OBATCOLONY	SU	GNR
Pima	MAMMAL	Bat Foraging Area	High Netting Concentration								OBATFORAG1	SU	GNR
Pima	MAMMAL	Chaetodipus intermedius	Rock Pocket Mouse								AMAFD05060	S5	G5
Pima	MAMMAL	Choeronycteris mexicana	Mexican Long-tongued Bat	SC	S		S		A	WSC	AMACB02010	S3	G4
Pima	MAMMAL	Corynorhinus townsendii pallescens	Pale Townsend's Big-eared Bat	SC	S		S	4			AMACC08014	S3S4	G3G4T3T4
Pima	MAMMAL	Cynomys ludovicianus	Black-tailed Prairie Dog	SC	S		S		A	WSC	AMAFB06010	SXS1	G4
Pima	MAMMAL	Didelphis virginiana californica	Mexican Opossum								AMAAA01011	S3	G5TNR
Pima	MAMMAL	Eptesicus fuscus	Big Brown Bat								AMACC04010	S4S5	G5
Pima	MAMMAL	Eumops perotis californicus	Greater Western Bonneted Bat	SC	S		S				AMACD02011	S3	G5T4
Pima	MAMMAL	Eumops underwoodi	Underwood's Bonneted Bat	SC							AMACD02020	S1	G4
Pima	MAMMAL	Lasionycteris noctivagans	Silver-haired Bat						PR		AMACC02010	S3S4	G5
Pima	MAMMAL	Lasiurus blossevillii	Western Red Bat				S			WSC	AMACC05060	S3	G5
Pima	MAMMAL	Lasiurus cinereus	Hoary Bat			No Status					AMACC05030	S4	G5
Pima	MAMMAL	Lasiurus xanthinus	Western Yellow Bat				S			WSC	AMACC05070	S2S3	G5
Pima	MAMMAL	Leptonycteris curasoae yerbabuenae	Lesser Long-nosed Bat	LE					A	WSC	AMACB03030	S2S3	G4
Pima	MAMMAL	Lepus alleni	Antelope Jackrabbit								AMAEB03070	S3	G5
Pima	MAMMAL	Macrotus californicus	California Leaf-nosed Bat	SC	S		S			WSC	AMACB01010	S3	G4
Pima	MAMMAL	Myotis californicus	California Myotis								AMACC01120	S4	G5
Pima	MAMMAL	Myotis occultus	Arizona Myotis	SC	S						AMACC01160	S3	G3G4

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Pima	MAMMAL	Myotis thysanodes	Fringed Myotis	SC							AMACC01090	S3S4	G4
Pima	MAMMAL	Myotis velifer	Cave Myotis	SC	S						AMACC01050	S3S4	G5
Pima	MAMMAL	Neotoma mexicana	Mexican Woodrat								AMAFF08070	S5	G5
Pima	MAMMAL	Notiosorex cockrumi	Cockrum's Desert Shrew				S				AMABA05020	S1	GNR
Pima	MAMMAL	Nyctinomops femorosaccus	Pocketed Free-tailed Bat				S				AMACD04010	S3	G4
Pima	MAMMAL	Nyctinomops macrotis	Big Free-tailed Bat	SC							AMACD04020	S3	G5
Pima	MAMMAL	Panthera onca	Jaguar	LE		P			P	WSC	AMAJH02010	S1	G3
Pima	MAMMAL	Parastrellus hesperus	Canyon Bat								AMACC03010	S5	G5
Pima	MAMMAL	Peromyscus eremicus	Cactus Mouse								AMAFF03010	S5	G5
Pima	MAMMAL	Peromyscus merriami	Merriam's Deer mouse				S				AMAFF03020	S2	G5
Pima	MAMMAL	Reithrodontomys fulvescens	Fulvous Harvest Mouse				S				AMAFF02050	S4	G5
Pima	MAMMAL	Reithrodontomys montanus	Plains Harvest Mouse				S				AMAFF02010	S3	G5
Pima	MAMMAL	Sciurus arizonensis	Arizona Gray Squirrel				S		A		AMAFB07060	S4	G4
Pima	MAMMAL	Sigmodon ochrognathus	Yellow-nosed Cotton Rat	SC			S				AMAFF07040	S4	G4G5
Pima	MAMMAL	Tadarida brasiliensis	Brazilian Free-tailed Bat								AMACD01010	S3S4	G5
Pima	MAMMAL	Thomomys bottae	Botta's Pocket Gopher								AMAF01020	S5	G5
Pima	PLANT	Abutilon parishii	Pima Indian Mallow	SC	S		S			SR	PDMAL020E0	S3	G2
Pima	PLANT	Abutilon reventum	Yellow Indian Mallow								PDMAL020J0	S2	G3G5
Pima	PLANT	Abutilon thurberi	Thurber Indian Mallow							SR	PDMAL020P0	S1	G2?
Pima	PLANT	Acacia farnesiana	Sweet Acacia								PDFAB020D0	S1S2	G5
Pima	PLANT	Agastache rupestris	Baboquivari Giant Hyssop								PDLAM030D0	S2	G3?
Pima	PLANT	Agave parviflora ssp. parviflora	Santa Cruz Striped Agave	SC			S		A	HS	PMAGA010L2	S3	G3T3
Pima	PLANT	Agave schottii var. treleasei	Trelease Agave	SC			S			HS	PMAGA010N2	S1	G5T1Q
Pima	PLANT	Allium gooddingii	Goodding Onion	SC			S	3		HS	PMLIL02120	S3S4	G4
Pima	PLANT	Allium plummerae	Plummer Onion							SR	PMLIL021V0	S3	G4

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Pima	PLANT	<i>Aloysia gratissima</i>	Common Bee Brush								PDVER02010	S3	G5
Pima	PLANT	<i>Amoreuxia gonzalezii</i>	Saiya	SC			S			HS	PDBIX01010	S1	G1
Pima	PLANT	<i>Amsonia grandiflora</i>	Large-flowered Blue Star	SC			S				PDAP003060	S2	G2
Pima	PLANT	<i>Amsonia kearneyana</i>	Kearney's Blue-star	LE						HS	PDAP0030M0	S1	G1
Pima	PLANT	<i>Anoda abutiloides</i>	False Indian Mallow								PDMAL07010	S2	G3
Pima	PLANT	<i>Antirrhinum kingii</i>	King Snapdragon								PDSR2S040	S3	G4
Pima	PLANT	<i>Arabis tricornuta</i>	Chiricahua Rock Cress				S				PDBRA06200	S1	G1
Pima	PLANT	<i>Arceuthobium apachecum</i>	Apache Dwarf Mistletoe								PDVIS03030	S3?	G3G4
Pima	PLANT	<i>Arceuthobium blumeri</i>	Blumer Dwarf Mistletoe								PDVIS03040	S1?	G3?
Pima	PLANT	<i>Asclepias lemmonii</i>	Lemmon Milkweed				S				PDASC020Z0	S2	G4?
Pima	PLANT	<i>Asplenium dalhousiae</i>	Dalhousie Spleenwort		S						PPASP020A0	S1	GNR
Pima	PLANT	<i>Aster potosinus</i>	Lemmon's Aster								PDASTE8160	S1	G2
Pima	PLANT	<i>Atamisquea emarginata</i>	Desert Tree Caper								PDCPP01010	S1	G4
Pima	PLANT	<i>Ayenia jaliscana</i>	Ayenia				S				PDSTE010C0	S1	GNR
Pima	PLANT	<i>Berberis harrisoniana</i>	Kofa Mt Barberry		S						PDBER02030	S1	G1G2
Pima	PLANT	<i>Boerhavia megaptera</i>	Tucson Mountain Spiderling								PDNYC06090	S3	G3
Pima	PLANT	<i>Capsicum annuum</i> var. <i>glabriusculum</i>	Chiltepin				S				PDSOL06012	S2	G5T5
Pima	PLANT	<i>Cardiospermum corindum</i>	Balloon Vine								PDSPN03010	S1	G5
Pima	PLANT	<i>Carex chihuahuensis</i>	Chihuahuan Sedge				S				PMCYP032T0	S2S3	G3G4
Pima	PLANT	<i>Carex ultra</i>	Arizona Giant Sedge		S		S				PMCYP03E50	S2	G3?
Pima	PLANT	<i>Cathastecum erectum</i>	False Grama								PMPOA1B010	S1	G5?
Pima	PLANT	<i>Cheilanthes pringlei</i>	Pringle Lip Fern								PPADI090M0	S3	G4
Pima	PLANT	<i>Corchorus hirtus</i>	Orinico Jute								PDTIL01030	S1	G5
Pima	PLANT	<i>Coryphantha scheeri</i> var. <i>robustispina</i>	Pima Pineapple Cactus	LE						HS	PDCAC040C1	S2	G4T2
Pima	PLANT	<i>Cylindropuntia x kelvinensis</i>	Kelvin Cholla							SR	PDCAC0D2M0	SHYB	GNA

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Pima	PLANT	<i>Cynanchum ligulatum</i>	Sinaloa Milkweed Vine								PDASC050V0	S1	G4
Pima	PLANT	<i>Dalea lumholtzii</i>	Lumholtz's Prairie-clover								PDFAB1A0Y0	S2S3	G3G4
Pima	PLANT	<i>Dalea tentaculoides</i>	Gentry's Indigo Bush	SC	S		S			HS	PDFAB1A1K0	S1	G1
Pima	PLANT	<i>Desmanthus covillei</i>	Coville Bundleflower								PDFAB1C030	S1	G3G4
Pima	PLANT	<i>Echinocactus horzonthalonius</i> var. <i>nicholii</i>	Nichol Turk's Head Cactus	LE						HS	PDCAC05022	S2	G4T2
Pima	PLANT	<i>Echinocereus fasciculatus</i>	Magenta-flower Hedgehog-cactus							SR	PDCAC06065	S3	G4G5T4T5
Pima	PLANT	<i>Echinomastus erectocentrus</i> var. <i>acunensis</i>	Acuna Cactus	PE		P			P	HS	PDCAC0J0E1	S1	G3T1T2Q
Pima	PLANT	<i>Echinomastus erectocentrus</i> var. <i>erectocentrus</i>	Needle-spined Pineapple Cactus	SC						SR	PDCAC0J0E2	S3	G3T3Q
Pima	PLANT	<i>Erigeron arisolius</i>	Arid Throne Fleabane				S				PDAST3M510	S2	G2
Pima	PLANT	<i>Erigeron arizonicus</i>	Arizona Fleabane								PDAST3M0B0	S3	G3?
Pima	PLANT	<i>Erigeron lobatus</i>	Lobed Fleabane								PDAST3M2C0	S4	G4
Pima	PLANT	<i>Erigeron piscaticus</i>	Fish Creek Fleabane	SC	S		S			SR	PDAST3M4X0	S1	G1
Pima	PLANT	<i>Eriogonum capillare</i>	San Carlos Wild-buckwheat	SC						SR	PDPGN08100	S4	G4
Pima	PLANT	<i>Eriogonum ericifolium</i> var. <i>ericifolium</i>	Heathleaf Wild-buckwheat				S				PDPGN08231	S2	G3T2
Pima	PLANT	<i>Eriogonum terrenatum</i>	San Pedro River Wild Buckwheat		S						PDPGN08760	S1	G1
Pima	PLANT	<i>Eryngium sparganophyllum</i>	Ribbonleaf Button Snakeroot								PDAPI0Z0T0	S1	G2
Pima	PLANT	<i>Eucnide rupestris</i>	Flor de la Piedra								PDLOA02020	S1	G3
Pima	PLANT	<i>Euphorbia gracillima</i>	Mexican Broomspurge								PDEUP0D110	S3	G4?
Pima	PLANT	<i>Ferocactus cylindraceus</i>	Desert Barrel Cactus						PR	SR	PDCAC08080	S4	G5
Pima	PLANT	<i>Ferocactus emoryi</i>	Emory's Barrel-cactus							SR	PDCAC08090	S1S2	G4
Pima	PLANT	<i>Gonolobus arizonicus</i>	Rincon Milkweed Vine								PDASCOA020	S4	G4
Pima	PLANT	<i>Graptopetalum bartramii</i>	Bartram Stonecrop	SC	S		S			SR	PDCRA06010	S3	G3
Pima	PLANT	<i>Hackelia ursina</i>	Chihuahuan Stickseed								PDBOR0G0R0	S2	G3?
Pima	PLANT	<i>Hedeoma dentatum</i>	Mock-pennyroyal								PDLAM0M0M0	S3	G3
Pima	PLANT	<i>Hermannia pauciflora</i>	Sparseleaf Hermannia								PDSTE06010	S1	G2?

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Pima	PLANT	<i>Heterotheca rutteri</i>	Huachuca Golden Aster	SC	S		S				PDAST4V0J0	S2	G2
Pima	PLANT	<i>Hexalectris arizonica</i>	Arizona Crested coral-root				S			SR	PMORC1C041	S1S2	G5T2T4
Pima	PLANT	<i>Hexalectris colemanii</i>	Coleman's coral-root				S				PMORC1C060	S1S2	G1G2
Pima	PLANT	<i>Hieracium pringlei</i>	Pringle Hawkweed	SC							PDAST4W170	S1	G2Q
Pima	PLANT	<i>Hymenoxys quinquesquamata</i>	Five Scale Bitterweed								PDAST530F0	S3	G3
Pima	PLANT	<i>Ibervillea tenuisecta</i>	Texas Globe Berry								PDCUC0F020	S1	G4
Pima	PLANT	<i>Ipomoea tenuiloba</i>	Trumpet Morning-glory								PDCON0A1H0	S4	G4
Pima	PLANT	<i>Jacquemontia pringlei</i>	Pringle's Cluster-vine								PDCON0B080	S2S3	G5
Pima	PLANT	<i>Jatropha cinerea</i>	Sangre de Drago								PDEUP0X030	S1	G5
Pima	PLANT	<i>Justicia candicans</i>	Hierba Azul								PDACA0E0L0	S2	G4
Pima	PLANT	<i>Lagascea decipiens</i>	Beguiling Mexican Daisy								PDAST5G010	S4	G5
Pima	PLANT	<i>Lilaeopsis schaffneriana</i> ssp. <i>recurva</i>	Huachuca Water-umbel	LE		Y				HS	PDAP119051	S2	G4T2
Pima	PLANT	<i>Lilium parryi</i>	Lemmon Lily	SC			S			SR	PMLIL1A0J0	S2	G3
Pima	PLANT	<i>Listera convallarioides</i>	Broadleaf Twayblade							SR	PMORC1N050	S1	G5
Pima	PLANT	<i>Lophocereus schottii</i>	Senita							SR	PDCAC14010	S1S2	G4
Pima	PLANT	<i>Lupinus huachucanus</i>	Huachuca Mountain Lupine				S				PDFAB2B210	S2	G2
Pima	PLANT	<i>Lupinus lemmonii</i>	Lemmon's Lupine				S				PDFAB2B2A0	S1Q	G1Q
Pima	PLANT	<i>Lysiloma watsonii</i>	Littleleaf False Tamarind							SR	PDFAB2C040	S1	G4?
Pima	PLANT	<i>Machaeranthera arida</i>	Arid Tansy-aster								PDAST64040	S1	G3G4
Pima	PLANT	<i>Malaxis tenuis</i>	Slender Adders Mouth							SR	PMORC1R090	S1	G4
Pima	PLANT	<i>Malvastrum bicuspidatum</i>	Mexican Shrub Mallow								PDMAL0S030	S2	G4
Pima	PLANT	<i>Mammillaria heyderi</i> var. <i>bullingtoniana</i>	Cream Cactus							SR	PDCAC0A035	S1S2	G4?T2T4
Pima	PLANT	<i>Mammillaria mainiae</i>	Counter Clockwise Fishhook Cactus				S			SR	PDCAC0A060	S1	G3
Pima	PLANT	<i>Mammillaria thornberi</i>	Thornber Fishhook Cactus							SR	PDCAC0A0C0	S4	G4
Pima	PLANT	<i>Mammillaria viridiflora</i>	Varied Fishhook Cactus							SR	PDCAC0A0D0	S4	G4

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Pima	PLANT	Manihot davisiae	Arizona Manihot				S				PDEUP0Z010	S2	G4
Pima	PLANT	Matelea cordifolia	Sonoran Milkweed Vine								PDASCOA080	S1	G4
Pima	PLANT	Metastelma mexicanum	Wiggins Milkweed Vine	SC			S				PDASCO50P0	S1S2	G3G4
Pima	PLANT	Microchloa kunthii	Kunth Grass								PMPOA40010	S1	G5
Pima	PLANT	Mimosa distachya var. laxiflora	Garabatico								PDFAB2K070	S2	G5
Pima	PLANT	Muhlenbergia dubioides	Box Canyon Muhly				S				PMPOA480G0	S1	G1Q
Pima	PLANT	Muhlenbergia xerophila	Weeping Muhly				S				PMPOA48220	S1	G3
Pima	PLANT	Notholaena lemmonii	Lemmon Cloak Fern	SC							PPADI0G0D0	S1S2	G3?
Pima	PLANT	Opuntia engelmannii									PDCAC0D220	S3?	G5
Pima	PLANT	Opuntia engelmannii var. flavispina								SR	PDCAC0D224	S3?	G5T3?
Pima	PLANT	Opuntia versicolor	Stag-horn Cholla							SR	PDCAC0D1K0	S2S3	G4
Pima	PLANT	Passiflora arizonica	Arizona Passionflower				S				PDPAS01073	S2	G5T3T5
Pima	PLANT	Pectis imberbis	Beardless Chinch Weed	SC			S				PDAST6W0A0	S1	G3
Pima	PLANT	Pellaea wrightiana	Wright Cliff Brake								PPADI0H0E0	S3S4	G5
Pima	PLANT	Peniocereus greggii var. transmontanus	Desert Night-blooming Cereus						PR	SR	PDCAC0V012	S3S4	G3G4T3T4
Pima	PLANT	Peniocereus striatus	Dahlia Rooted Cereus							SR	PDCAC0V020	S1	G4
Pima	PLANT	Penstemon discolor	Catalina Beardtongue				S			HS	PDSCR1L210	S2	G2
Pima	PLANT	Penstemon superbus	Superb Beardtongue								PDSCR1L630	S2?	G3?
Pima	PLANT	Perityle ajoensis	Ajo Rock Daisy							SR	PDAST700Y0	S1	G1
Pima	PLANT	Petalonyx linearis	Longleaf Sandpaper Plant								PDLOA04010	S2	G4
Pima	PLANT	Physalis latiphysa	Broad-leaf Ground-cherry				S				PDSOL0S0H0	S1	G1
Pima	PLANT	Plagiobothrys pringlei	Pringle Popcorn-flower								PDBOR0V0V0	S2	G3G4
Pima	PLANT	Platanthera limosa	Thurber's Bog Orchid							SR	PMORC1Y0G0	S4	G4
Pima	PLANT	Polygonum fusiforme	Needles Knotweed								PDPGN0L110	S3?	G3G4Q
Pima	PLANT	Polypogon elongatus	American Rabbitfoot Grass								PMPOA50020	S1	G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Pima	PLANT	Potentilla albiflora	White-flowered Cinquefoil				S				PDROS1B010	S1S2	G1G2
Pima	PLANT	Proboscidea parviflora	Small-flower Unicorn-plant								PDPED06040	S4	G4G5
Pima	PLANT	Psilotum nudum	Whisk Fern				S			HS	PPPSI01020	S1	G5
Pima	PLANT	Pyrrhopappus rothrockii	False Dandelion								PDAST7V050	S3	G4
Pima	PLANT	Salvia columbariae	California Sage								PDLAM1S0D0	S4S5	G5
Pima	PLANT	Samolus vagans	Chiricahua Mountain Brookweed				S				PDPRI09040	S2	G2?
Pima	PLANT	Schiedeella arizonica	Fallen Ladies'-tresses							SR	PMORC67020	S4	GNR
Pima	PLANT	Selaginella eremophila	Desert Spike Moss								PPSEL010G0	S3S4	G4
Pima	PLANT	Senecio carlomasonii	Seemann Groundsel								PDAST8H3W0	S2S3	G4?Q
Pima	PLANT	Senecio neomexicanus var. toumeyii	Toumey Groundsel				S				PDAST8H274	S2	G5T2Q
Pima	PLANT	Senecio parryi	Mountain Groundsel								PDAST8H2B0	S4	G4
Pima	PLANT	Sisyrinchium cernuum	Nodding Blue-eyed Grass				S				PMIRI0D0B0	S2	G5
Pima	PLANT	Solanum lumholtzianum	Lumholtz Nightshade								PDSOL0Z180	S3	G3G4
Pima	PLANT	Sophora arizonica	Arizona Necklace								PDFAB3N020	S3	G3
Pima	PLANT	Stenocereus thurberi	Organ Pipe Cactus							SR	PDCAC10020	S4	G5
Pima	PLANT	Stephanomeria schottii	Schott Wire Lettuce			S					PDAST8U0D0	S2	G2
Pima	PLANT	Stevia lemmonii	Lemmon's Stevia				S				PDAST8V010	S2	G3G4
Pima	PLANT	Streptanthus carinatus	Lyre-leaved Twistflower								PDBRA2G0C0	S3S4	G4
Pima	PLANT	Talinum angustissimum	Yellow Flame Flower								PDPOR08010	S2	G4
Pima	PLANT	Tephrosia thurberi	Thurber Hoary Pea								PDFAB3X0M0	S3	G4G5
Pima	PLANT	Thalictrum dasycarpum	Purple Meadow Rue								PDRAN0M060	S2	G5
Pima	PLANT	Thelypteris puberula var. sonorensis	Aravaipa Woodfern			S	S				PPTHE05192	S2	G5T3
Pima	PLANT	Tithonia thurberi	Thurber Tithonia								PDAST9A030	S4	G4
Pima	PLANT	Tragia laciniata	Sonoran Noseburn				S				PDEUP1D060	S3?	G3G4
Pima	PLANT	Triteleopsis palmeri	Blue Sand Lily			S				SR	PMLIL22010	S1	G3

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Pima	PLANT	Tumamoca macdougalii	Tumamoc Globeberry		S		S			SR	PDCUC0S010	S3	G4
Pima	PLANT	Vauquelinia californica ssp. sonorensis	Arizona Sonoran Rosewood		S						PDROS1R024	S1S2	G4T2
Pima	PLANT	Verbena pinetorum	Chihuahua Vervain								PDVER0N0P0	S1	G2G4
Pima	PLANT	Viola umbraticola	Shade Violet				S				PDVIO042E0	S2?	G3G4
Pima	PLANT	Ziziphus obtusifolia	Lotebush								PDRHA0E030	S3S4	G4G5
Pima	REPTILE	Aspidoscelis arizonae	Arizona Striped Whiptail		S						ARACJ02071	S1S2	G2
Pima	REPTILE	Aspidoscelis burti stictogrammus	Giant Spotted Whiptail	SC			S				ARACJ02011	S2	G4T4
Pima	REPTILE	Aspidoscelis xanthonota	Redback Whiptail	SC							ARACJ02012	S2	G4T2
Pima	REPTILE	Chionactis occipitalis klauberi	Tucson Shovel-nosed Snake	C*		P					ARADB05012	S1	G5T3Q
Pima	REPTILE	Chionactis paralarstris organica	Organ Pipe Shovel-nosed Snake								ARADB05021	S1	G3G4T2
Pima	REPTILE	Coluber bilineatus	Sonoran Whipsnake								ARADB21010	S5	G5
Pima	REPTILE	Crotalus lepidus klauberi	Banded Rock Rattlesnake						PR		ARADE02051	S3	G5T5
Pima	REPTILE	Crotaphytus nebrius	Sonoran Collared Lizard								ARACF04050	S3S4	G4
Pima	REPTILE	Gopherus morafkai	Sonoran Desert Tortoise	C*			S		A	WSC	ARAAF01013	S4	G4
Pima	REPTILE	Gyalopion canum	Chihuahuan Hook-nosed Snake								ARADB16010	S3	G5
Pima	REPTILE	Heloderma suspectum	Gila Monster						A		ARACE01010	S4	G4
Pima	REPTILE	Heloderma suspectum suspectum	Reticulate Gila Monster				S		A		ARACE01012	S4	G4T4
Pima	REPTILE	Heterodon kennerlyi	Mexican Hog-nosed Snake								ARADB17012	S3	G5T4
Pima	REPTILE	Hypsiglena sp. nov.	Hooded Nightsnake								ARADB18050	S4	G4
Pima	REPTILE	Kinosternon arizonense	Arizona Mud Turtle								ARAAE01060	S2	G4
Pima	REPTILE	Kinosternon sonoriense longifemorale	Sonoyta Mud Turtle	C					P		ARAAE01041	S1	G4T1
Pima	REPTILE	Lampropeltis getula nigrita	Western Black Kingsnake						A		ARADB19026	S3	G5T3T4Q
Pima	REPTILE	Lichanura trivirgata trivirgata	Mexican Rosy Boa	SC					A		ARADA01023	S1S2	G4G5T3
Pima	REPTILE	Oxybelis aeneus	Brown Vinesnake				S			WSC	ARADB24010	S1	G5
Pima	REPTILE	Phrynosoma cornutum	Texas Horned Lizard	SC							ARACF12010	S3S4	G4G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Pima	REPTILE	Phrynosoma hernandesi	Greater Short-horned Lizard								ARACF12080	S4	G5
Pima	REPTILE	Phyllorhynchus browni	Saddled Leaf-nosed Snake				PS		PR		ARADB25010	S5	G5
Pima	REPTILE	Plestiodon callicephalus	Mountain Skink				S				ARACH01030	S2	G4G5
Pima	REPTILE	Sceloporus slevini	Slevin's Bunchgrass Lizard		S		S				ARACF14180	S2	G4
Pima	REPTILE	Senticolis triaspis intermedia	Northern Green Ratsnake				S				ARADB44011	S3	G5T4
Pima	REPTILE	Tantilla nigriceps	Plains Black-headed Snake								ARADB35050	S2	G5
Pima	REPTILE	Tantilla wilcoxi	Chihuahuan Black-headed Snake								ARADB35120	S1	G4
Pima	REPTILE	Terrapene ornata luteola	Desert Box Turtle		S				PR		ARAAD08021	S2S3	G5T4
Pima	REPTILE	Thamnophis eques megalops	Northern Mexican Gartersnake	C*			S		A	WSC	ARADB36061	S1	G5T5
Pima	REPTILE	Uma rufopunctata	Yuman Desert Fringe-toed Lizard	SC	S				P	WSC	ARACF15040	S2	G3
Pinal	AMPHIBIAN	Anaxyrus retiformis	Sonoran Green Toad		S				PR		AAABB01140	S3	G3G4
Pinal	AMPHIBIAN	Gastrophryne olivacea	Western Narrow-mouthed Toad		S		S		PR	WSC	AAABE01020	S3	G5
Pinal	AMPHIBIAN	Rana yavapaiensis	Lowland Leopard Frog	SC	S		S		PR	WSC	AAABH01250	S3	G4
Pinal	BIRD	Antrostomus ridgwayi	Buff-collared Nightjar				S				ABNTA07060	S2S3	G5
Pinal	BIRD	Aquila chrysaetos	Golden Eagle		S			3	A		ABNKC22010	S4	G5
Pinal	BIRD	Ardea alba	Great Egret							WSC	ABNGA04040	S1B,S4N	G5
Pinal	BIRD	Ardea herodias	Great Blue Heron								ABNGA04010	S5	G5
Pinal	BIRD	Athene cunicularia hypugaea	Western Burrowing Owl	SC	S		S	4	PR		ABNSB10012	S3	G4T4
Pinal	BIRD	Buteo albonotatus	Zone-tailed Hawk				S		PR		ABNKC19090	S4	G4
Pinal	BIRD	Buteo plagiatus	Gray Hawk	SC			S			WSC	ABNKC19150	S3	G5
Pinal	BIRD	Buteo swainsoni	Swainson's Hawk				S		PR		ABNKC19070	S3	G5
Pinal	BIRD	Buteogallus anthracinus	Common Black-Hawk				S		PR	WSC	ABNKC15010	S3	G4G5
Pinal	BIRD	Camptostoma imberbe	Northern Beardless-Tyrannulet				S				ABPAE04010	S4	G5
Pinal	BIRD	Caracara cheriway	Crested Caracara	No Status						WSC	ABNKD02020	S1S2	G5
Pinal	BIRD	Coccyzus americanus	Yellow-billed Cuckoo (Western U.S. PS:C* DPS)				S	2		WSC	ABNRB02020	S3	G5

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Pinal	BIRD	Dendrocygna autumnalis	Black-bellied Whistling-Duck							WSC	ABNJB01040	S3	G5
Pinal	BIRD	Empidonax traillii extimus	Southwestern Willow Flycatcher	LE		Y		2	E	WSC	ABPAE33043	S1	G5T1T2
Pinal	BIRD	Falco peregrinus anatum	American Peregrine Falcon	SC	S		S	4	PR	WSC	ABNKD06071	S4	G4T4
Pinal	BIRD	Glaucidium brasilianum cactorum	Cactus Ferruginous Pygmy-owl	SC	S		S			WSC	ABNSB08041	S1	G5T3
Pinal	BIRD	Haliaeetus leucocephalus (wintering pop.)	Bald Eagle - Winter Population	SC	S		S	2	P	WSC	ABNKC10015	S4N	G5TNR
Pinal	BIRD	Haliaeetus leucocephalus pop. 3	Bald Eagle - Sonoran Desert Population	SC	S		S	2	P	WSC	ABNKC10014	S2S3	G5TNR
Pinal	BIRD	Icterus bullockii	Bullock's Oriole								ABPBXB9220	S4BS1N	G5
Pinal	BIRD	Ictinia mississippiensis	Mississippi Kite						PR	WSC	ABNKC09010	S3	G5
Pinal	BIRD	Ixobrychus exilis	Least Bittern						PR	WSC	ABNGA02010	S3	G5
Pinal	BIRD	Parabuteo unicinctus	Harris's Hawk						PR		ABNKC16010	S5	G5
Pinal	BIRD	Rallus longirostris yumanensis	Yuma Clapper Rail	LE					A	WSC	ABNME0501A	S3	G5T3
Pinal	BIRD	Strix occidentalis lucida	Mexican Spotted Owl	LT		Y		3	A	WSC	ABNSB12012	S3S4	G3T3
Pinal	BIRD	Tyrannus crassirostris	Thick-billed Kingbird				S			WSC	ABPAE52040	S2	G5
Pinal	BIRD	Tyrannus melancholicus	Tropical Kingbird							WSC	ABPAE52010	S3	G5
Pinal	FISH	Agosia chrysogaster chrysogaster	Gila Longfin Dace	SC	S		S		A		AFCJB37151	S3S4	G4T3T4
Pinal	FISH	Catostomus clarkii	Desert Sucker	SC	S		S				AFCJC02040	S3S4	G3G4
Pinal	FISH	Catostomus insignis	Sonora Sucker	SC	S		S		P		AFCJC02100	S3	G3
Pinal	FISH	Cyprinodon macularius	Desert Pupfish	LE		Y			P	WSC	AFCNB02060	S1	G1
Pinal	FISH	Gila intermedia	Gila Chub	LE		Y			P	WSC	AFCJB13160	S2	G2
Pinal	FISH	Gila robusta	Roundtail Chub	C*			S	2	A	WSC	AFCJB13150	S2	G3
Pinal	FISH	Meda fulgida	Spikedace	LE		Y				WSC	AFCJB22010	S1	G2
Pinal	FISH	Poeciliopsis occidentalis occidentalis	Gila Topminnow	LE					A	WSC	AFCNC05021	S1S2	G3
Pinal	FISH	Rhinichthys osculus	Speckled Dace	SC	S				E		AFCJB37050	S3S4	G5
Pinal	FISH	Tiaroga cobitis	Loach Minnow	LE		Y			E	WSC	AFCJB37140	S1	G2
Pinal	INVERTEBRATE	Cicindela oregona maricopa	Maricopa Tiger Beetle	SC							IICOL02362	S3	G5T3

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Pinal	MAMMAL	<i>Antrozous pallidus</i>	Pallid Bat								AMACC10010	S4	G5
Pinal	MAMMAL	Bat Colony									OBATCOLONY	SU	GNR
Pinal	MAMMAL	Bat Foraging Area	High Netting Concentration								OBATFORAG1	SU	GNR
Pinal	MAMMAL	<i>Choeronycteris mexicana</i>	Mexican Long-tongued Bat	SC	S		S		A	WSC	AMACB02010	S3	G4
Pinal	MAMMAL	<i>Corynorhinus townsendii pallescens</i>	Pale Townsend's Big-eared Bat	SC	S		S	4			AMACC08014	S3S4	G3G4T3T4
Pinal	MAMMAL	<i>Eptesicus fuscus</i>	Big Brown Bat								AMACC04010	S4S5	G5
Pinal	MAMMAL	<i>Eumops perotis californicus</i>	Greater Western Bonneted Bat	SC	S		S				AMACD02011	S3	G5T4
Pinal	MAMMAL	<i>Lasionycteris noctivagans</i>	Silver-haired Bat						PR		AMACC02010	S3S4	G5
Pinal	MAMMAL	<i>Lasiurus blossevillei</i>	Western Red Bat				S			WSC	AMACC05060	S3	G5
Pinal	MAMMAL	<i>Lasiurus cinereus</i>	Hoary Bat			No Status					AMACC05030	S4	G5
Pinal	MAMMAL	<i>Lasiurus xanthinus</i>	Western Yellow Bat				S			WSC	AMACC05070	S2S3	G5
Pinal	MAMMAL	<i>Leopardus pardalis</i>	Ocelot	LE					P	WSC	AMAJH05010	S1	G4
Pinal	MAMMAL	<i>Leptonycteris curasoae yerbabuena</i>	Lesser Long-nosed Bat	LE					A	WSC	AMACB03030	S2S3	G4
Pinal	MAMMAL	<i>Lepus alleni</i>	Antelope Jackrabbit								AMAEB03070	S3	G5
Pinal	MAMMAL	<i>Macrotus californicus</i>	California Leaf-nosed Bat	SC	S		S			WSC	AMACB01010	S3	G4
Pinal	MAMMAL	<i>Myotis ciliolabrum</i>	Western Small-footed Myotis	SC							AMACC01140	S3S4	G5
Pinal	MAMMAL	<i>Myotis velifer</i>	Cave Myotis	SC	S						AMACC01050	S3S4	G5
Pinal	MAMMAL	<i>Myotis yumanensis</i>	Yuma Myotis	SC							AMACC01020	S3S4	G5
Pinal	MAMMAL	<i>Nyctinomops femorosaccus</i>	Pocketed Free-tailed Bat				S				AMACD04010	S3	G4
Pinal	MAMMAL	<i>Parastrellus hesperus</i>	Canyon Bat								AMACC03010	S5	G5
Pinal	MAMMAL	<i>Reithrodontomys montanus</i>	Plains Harvest Mouse				S				AMAFF02010	S3	G5
Pinal	MAMMAL	<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat								AMACD01010	S3S4	G5
Pinal	PLANT	<i>Abutilon parishii</i>	Pima Indian Mallow	SC	S		S			SR	PDMAL020E0	S3	G2
Pinal	PLANT	<i>Agastache rupestris</i>	Baboquivari Giant Hyssop								PDLAM030D0	S2	G3?
Pinal	PLANT	<i>Agave murpheyi</i>	Hohokam Agave	SC	S		S			HS	PMAGA010F0	S3	G2

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Pinal	PLANT	Agave toumeyana var. bella	Toumey Agave							SR	PMAGA010R1	S3	G3T3
Pinal	PLANT	Allium glandulosum	Gland Onion							SR	PMLIL02110	S1	G4
Pinal	PLANT	Ammoselinum giganteum	Sand Parsley								PDAPI05020	S1	G2G3
Pinal	PLANT	Carex ultra	Arizona Giant Sedge		S		S				PMCYP03E50	S2	G3?
Pinal	PLANT	Echinocactus horzonthalonius var. nicholii	Nichol Turk's Head Cactus	LE						HS	PDCAC05022	S2	G4T2
Pinal	PLANT	Echinocereus triglochidiatus var. arizonicus	Arizona Hedgehog Cactus	LE						HS	PDCAC060K1	S2	G5T2
Pinal	PLANT	Echinomastus erectocentrus var. acunensis	Acuna Cactus	PE		P			P	HS	PDCAC0J0E1	S1	G3T1T2Q
Pinal	PLANT	Echinomastus erectocentrus var. erectocentrus	Needle-spined Pineapple Cactus	SC						SR	PDCAC0J0E2	S3	G3T3Q
Pinal	PLANT	Epilobium foliosum	Leafy Willow Herb								PDONA06080	S2	G5
Pinal	PLANT	Erigeron anchana	Mogollon Fleabane	SC			S				PDAST3M580	S2	G2
Pinal	PLANT	Erigeron lobatus	Lobed Fleabane								PDAST3M2C0	S4	G4
Pinal	PLANT	Eriogonum capillare	San Carlos Wild-buckwheat	SC						SR	PDPGN08100	S4	G4
Pinal	PLANT	Euphorbia gracillima	Mexican Broomspurge								PDEUP0D110	S3	G4?
Pinal	PLANT	Ferocactus cylindraceus	Desert Barrel Cactus						PR	SR	PDCAC08080	S4	G5
Pinal	PLANT	Fremontodendron californicum	Flannel Bush		S					SR	PDSTE03010	S2S3	G4
Pinal	PLANT	Gutierrezia wrightii	Wright's Snakeweed								PDAST4B0C0	S2S3	G4?
Pinal	PLANT	Hedeoma dentatum	Mock-pennyroyal								PDLAM0M0M0	S3	G3
Pinal	PLANT	Lilaeopsis schaffneriana ssp. recurva	Huachuca Water-umbel	LE		Y				HS	PDAPI19051	S2	G4T2
Pinal	PLANT	Lotus alamosanus	Alamos Deer Vetch					S			PDFAB2A020	S1	G3G4
Pinal	PLANT	Mabrya acerifolia	Mapleleaf False Snapdragon					S			PDSCR2L010	S2	G2
Pinal	PLANT	Machaeranthera arida	Arid Tansy-aster								PDAST64040	S1	G3G4
Pinal	PLANT	Mammillaria thornberi	Thornber Fishhook Cactus							SR	PDCAC0A0C0	S4	G4
Pinal	PLANT	Mammillaria viridiflora	Varied Fishhook Cactus							SR	PDCAC0A0D0	S4	G4
Pinal	PLANT	Opuntia versicolor	Stag-horn Cholla							SR	PDCAC0D1K0	S2S3	G4
Pinal	PLANT	Penstemon discolor	Catalina Beardtongue					S		HS	PDSCR1L210	S2	G2

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Pinal	PLANT	Perityle gilensis var. gilensis	Gila Rock Daisy								PDAST700D1	S2?	G2?T2?
Pinal	PLANT	Plagiobothrys pringlei	Pringle Popcorn-flower								PDBOR0V0V0	S2	G3G4
Pinal	PLANT	Salvia amissa	Aravaipa Sage	SC	S		S				PDLAM1S020	S2	G2
Pinal	PLANT	Stenocereus thurberi	Organ Pipe Cactus							SR	PDCAC10020	S4	G5
Pinal	PLANT	Streptanthus carinatus	Lyre-leaved Twistflower								PDBRA2G0C0	S3S4	G4
Pinal	PLANT	Talinum gooddingii	Goodding's Flameflower								PDPOR08090	S1	G1Q
Pinal	PLANT	Thelypteris puberula var. sonorensis	Aravaipa Woodfern		S		S				PPTHE05192	S2	G5T3
Pinal	PLANT	Tripsacum lanceolatum	Mexican Gama Grass								PMPOA68030	S2S3	G4
Pinal	PLANT	Tumamoca macedougali	Tumamoc Globeberry		S		S			SR	PDCUC0S010	S3	G4
Pinal	REPTILE	Aspidoscelis burti stictogrammus	Giant Spotted Whiptail	SC			S				ARACJ02011	S2	G4T4
Pinal	REPTILE	Aspidoscelis xanthonota	Redback Whiptail	SC							ARACJ02012	S2	G4T2
Pinal	REPTILE	Chionactis occipitalis	Western Shovel-nosed Snake								ARADB05010	S3S4	G5
Pinal	REPTILE	Chionactis occipitalis klauberi	Tucson Shovel-nosed Snake	C*		P					ARADB05012	S1	G5T3Q
Pinal	REPTILE	Crotaphytus bicinctores	Great Basin Collared Lizard								ARACF04010	S4	G5
Pinal	REPTILE	Gopherus morafkai	Sonoran Desert Tortoise	C*			S		A	WSC	ARAAF01013	S4	G4
Pinal	REPTILE	Heloderma suspectum suspectum	Reticulate Gila Monster				S		A		ARACE01012	S4	G4T4
Pinal	REPTILE	Lampropeltis getula nigrita	Western Black Kingsnake						A		ARADB19026	S3	G5T3T4Q
Pinal	REPTILE	Phrynosoma hernandesi	Greater Short-horned Lizard								ARACF12080	S4	G5
Pinal	REPTILE	Phyllorhynchus browni	Saddled Leaf-nosed Snake				PS		PR		ARADB25010	S5	G5
Pinal	REPTILE	Terrapene ornata luteola	Desert Box Turtle		S				PR		ARAAD08021	S2S3	G5T4
Pinal	REPTILE	Xantusia bezyi	Bezy's Night Lizard								ARACK01060	S2	G3
Santa Cruz	AMPHIBIAN	Ambystoma mavortium stebbinsi	Sonora Tiger Salamander	LE						WSC	AAAAA01145	S1	G5T1T2
Santa Cruz	AMPHIBIAN	Craugastor augusti cactorum	Western Barking Frog				S			WSC	AAABD04171	S2	G5T5
Santa Cruz	AMPHIBIAN	Gastrophryne olivacea	Western Narrow-mouthed Toad		S		S		PR	WSC	AAABE01020	S3	G5
Santa Cruz	AMPHIBIAN	Hyla wrightorum (Huachuca/Canelo Pop.)	Arizona Treefrog (Huachuca/Canelo DPS)								AAABC02082	S1	G4T2

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Santa Cruz	AMPHIBIAN	Lithobates chiricahuensis	Chiricahua Leopard Frog	LT		Y			A	WSC	AAABH01080	S2	G3
Santa Cruz	AMPHIBIAN	Rana tarahumarae	Tarahumara Frog	SC			S			WSC	AAABH01210	SXS1	G3
Santa Cruz	AMPHIBIAN	Rana yavapaiensis	Lowland Leopard Frog	SC	S		S		PR	WSC	AAABH01250	S3	G4
Santa Cruz	BIRD	Accipiter gentilis	Northern Goshawk	SC	S		S	4	A	WSC	ABNKC12060	S3B	G5
Santa Cruz	BIRD	Amazilia beryllina	Berylline Hummingbird								ABNUC29080	S1	G4
Santa Cruz	BIRD	Amazilia violiceps	Violet-crowned Hummingbird				S			WSC	ABNUC29150	S3	G5
Santa Cruz	BIRD	Ammodramus bairdii	Baird's Sparrow	SC			S			WSC	ABPBXA0010	S2N	G4
Santa Cruz	BIRD	Ammodramus savannarum ammolegus	Arizona grasshopper sparrow		S		S				ABPBXA0021	S1S2	G5TU
Santa Cruz	BIRD	Amphispiza quinquestriata	Five-striped Sparrow								ABPBX97030	S1S2	G4
Santa Cruz	BIRD	Anthus spragueii	Sprague's Pipit	C*						WSC	ABPBM02060	S2N	G4
Santa Cruz	BIRD	Antrostomus ridgwayi	Buff-collared Nightjar				S				ABNTA07060	S2S3	G5
Santa Cruz	BIRD	Aquila chrysaetos	Golden Eagle		S			3	A		ABNKC22010	S4	G5
Santa Cruz	BIRD	Athene cunicularia hypugaea	Western Burrowing Owl	SC	S		S	4	PR		ABNSB10012	S3	G4T4
Santa Cruz	BIRD	Buteo albonotatus	Zone-tailed Hawk				S		PR		ABNKC19090	S4	G4
Santa Cruz	BIRD	Buteo plagiatus	Gray Hawk	SC			S			WSC	ABNKC19150	S3	G5
Santa Cruz	BIRD	Buteogallus anthracinus	Common Black-Hawk				S		PR	WSC	ABNKC15010	S3	G4G5
Santa Cruz	BIRD	Calothorax lucifer	Lucifer Hummingbird				S				ABNUC44010	S2	G4G5
Santa Cruz	BIRD	Camptostoma imberbe	Northern Beardless-Tyrannulet				S				ABPAE04010	S4	G5
Santa Cruz	BIRD	Catharus ustulatus	Swainson's Thrush								ABPBJ18100	S1	G5
Santa Cruz	BIRD	Chloroceryle americana	Green Kingfisher								ABNXD02020	S2	G5
Santa Cruz	BIRD	Coccyzus americanus	Yellow-billed Cuckoo (Western U.S. PS:C* DPS)				S	2		WSC	ABNRB02020	S3	G5
Santa Cruz	BIRD	Dendrocygna autumnalis	Black-bellied Whistling-Duck							WSC	ABNJB01040	S3	G5
Santa Cruz	BIRD	Empidonax fulvifrons pygmaeus	Northern Buff-breasted Flycatcher	SC			S			WSC	ABPAE33141	S1	G5T5
Santa Cruz	BIRD	Empidonax traillii extimus	Southwestern Willow Flycatcher	LE		Y		2	E	WSC	ABPAE33043	S1	G5T1T2
Santa Cruz	BIRD	Falco peregrinus anatum	American Peregrine Falcon	SC	S		S	4	PR	WSC	ABNKD06071	S4	G4T4

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Santa Cruz	BIRD	Glaucidium brasilianum cactorum	Cactus Ferruginous Pygmy-owl	SC	S		S			WSC	ABNSB08041	S1	G5T3
Santa Cruz	BIRD	Haliaeetus leucocephalus (wintering pop.)	Bald Eagle - Winter Population	SC	S		S	2	P	WSC	ABNKC10015	S4N	G5TNR
Santa Cruz	BIRD	Icterus bullockii	Bullock's Oriole								ABPBXB9220	S4BS1N	G5
Santa Cruz	BIRD	Lampornis clemenciae	Blue-throated Hummingbird								ABNUC34040	S4	G5
Santa Cruz	BIRD	Pachyramphus aglaiae	Rose-throated Becard				S			WSC	ABPAE53070	S1	G4G5
Santa Cruz	BIRD	Pandion haliaetus	Osprey							WSC	ABNKC01010	S2B,S4N	G5
Santa Cruz	BIRD	Poliptila nigriceps	Black-capped Gnatcatcher							WSC	ABPBJ08040	S1	G5
Santa Cruz	BIRD	Sialia sialis fulva	Azure Bluebird								ABPBJ15012	S3	G5TU
Santa Cruz	BIRD	Strix occidentalis lucida	Mexican Spotted Owl	LT		Y		3	A	WSC	ABNSB12012	S3S4	G3T3
Santa Cruz	BIRD	Tachybaptus dominicus	Least Grebe						PR		ABNCA01010	SAB	G5
Santa Cruz	BIRD	Trogon elegans	Elegant Trogon							WSC	ABNWA02070	S3	G5
Santa Cruz	BIRD	Tyrannus crassirostris	Thick-billed Kingbird				S			WSC	ABPAE52040	S2	G5
Santa Cruz	BIRD	Tyrannus melancholicus	Tropical Kingbird							WSC	ABPAE52010	S3	G5
Santa Cruz	FISH	Agosia chrysogaster chrysogaster	Gila Longfin Dace	SC	S		S		A		AFCJB37151	S3S4	G4T3T4
Santa Cruz	FISH	Catostomus clarkii	Desert Sucker	SC	S		S				AFCJC02040	S3S4	G3G4
Santa Cruz	FISH	Catostomus insignis	Sonora Sucker	SC	S		S		P		AFCJC02100	S3	G3
Santa Cruz	FISH	Cyprinodon macularius	Desert Pupfish	LE		Y			P	WSC	AFCNB02060	S1	G1
Santa Cruz	FISH	Gila ditaenia	Sonora Chub	LT		Y			A	WSC	AFCJB13090	S1	G2
Santa Cruz	FISH	Gila intermedia	Gila Chub	LE		Y			P	WSC	AFCJB13160	S2	G2
Santa Cruz	FISH	Poeciliopsis occidentalis occidentalis	Gila Topminnow	LE					A	WSC	AFCNC05021	S1S2	G3
Santa Cruz	FISH	Rhinichthys osculus	Speckled Dace	SC	S				E		AFCJB37050	S3S4	G5
Santa Cruz	INVERTEBRATE	Agathymus aryxna	Arizona Giant Skipper								IILEP87080	S5	G4G5
Santa Cruz	INVERTEBRATE	Amblyscirtes aenus	Bronze Roadside Skipper								IILEP80040	S?	G5
Santa Cruz	INVERTEBRATE	Amblyscirtes elissa	Elissa Roadside-skipper								IILEP80240	S?	G3G4
Santa Cruz	INVERTEBRATE	Amblyscirtes nysa	Nysa Roadside Skipper								IILEP80160	S?	G5

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Santa Cruz	INVERTEBRATE	Amblyscirtes oslari	Oslar's Roadside Skipper								IILEP80060	S?	G4
Santa Cruz	INVERTEBRATE	Argia sabino	Sabino Canyon Dancer	SC			S				IIDO68100	S2	G2
Santa Cruz	INVERTEBRATE	Calephelis arizonensis	Arizona Metalmark								IILEPH2073	S2	G3G4
Santa Cruz	INVERTEBRATE	Heterelmis stephani	Stephan's Heterelmis Riffle Beetle	C			S				IICOL5B010	S1	G1
Santa Cruz	INVERTEBRATE	Limenitis archippus obsoleta	Obsolete Viceroy Butterfly								IILEPL3024	S4	G5T3T4
Santa Cruz	INVERTEBRATE	Neophasia terlooii	Chiricahua Pine White								IILEP99020	S4	G3G4
Santa Cruz	INVERTEBRATE	Pyrgulopsis thompsoni	Huachuca Springsnail	C	S		S				IMGASJ0230	S2	G2
Santa Cruz	INVERTEBRATE	Stygobromus arizonensis	Arizona Cave Amphipod	SC	S						ICMAL05360	S1?	G1
Santa Cruz	INVERTEBRATE	Sympetrum signiferum	Spot-winged Meadowhawk								IIDO61150	S2	G2G3
Santa Cruz	INVERTEBRATE	Thorybes pylades	Northern Cloudy Wing								IILEP16020	S?	G5
Santa Cruz	INVERTEBRATE	Tuberochernes ubicki	A Cave Obligate Pseudoscorpion								ILARAD3020	S?	G1G2
Santa Cruz	MAMMAL	Antrozous pallidus	Pallid Bat								AMACC10010	S4	G5
Santa Cruz	MAMMAL	Baiomys taylori	Northern Pygmy Mouse				S				AMAFF05010	S3	G4G5
Santa Cruz	MAMMAL	Bat Colony									OBATCOLONY	SU	GNR
Santa Cruz	MAMMAL	Bat Foraging Area	High Netting Concentration								OBATFORAG1	SU	GNR
Santa Cruz	MAMMAL	Choeronycteris mexicana	Mexican Long-tongued Bat	SC	S		S		A	WSC	AMACB02010	S3	G4
Santa Cruz	MAMMAL	Conepatus leuconotus leuconotus	Hog-nosed Skunk								AMAJF07022	S3	G4T4
Santa Cruz	MAMMAL	Corynorhinus townsendii pallescens	Pale Townsend's Big-eared Bat	SC	S		S	4			AMACC08014	S3S4	G3G4T3T4
Santa Cruz	MAMMAL	Didelphis virginiana californica	Mexican Opossum								AMAAA01011	S3	G5TNR
Santa Cruz	MAMMAL	Lasiurus blossevillii	Western Red Bat				S			WSC	AMACC05060	S3	G5
Santa Cruz	MAMMAL	Lasiurus cinereus	Hoary Bat			No Status					AMACC05030	S4	G5
Santa Cruz	MAMMAL	Leptonycteris curasoae yerbabuena	Lesser Long-nosed Bat	LE					A	WSC	AMACB03030	S2S3	G4
Santa Cruz	MAMMAL	Macrotus californicus	California Leaf-nosed Bat	SC	S		S			WSC	AMACB01010	S3	G4
Santa Cruz	MAMMAL	Mormoops megalophylla	Ghost-faced Bat								AMACA01010	SA	G4
Santa Cruz	MAMMAL	Myotis velifer	Cave Myotis	SC	S						AMACC01050	S3S4	G5

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Santa Cruz	MAMMAL	<i>Panthera onca</i>	Jaguar	LE		P			P	WSC	AMAJH02010	S1	G3
Santa Cruz	MAMMAL	<i>Reithrodontomys fulvescens</i>	Fulvous Harvest Mouse				S				AMAFF02050	S4	G5
Santa Cruz	MAMMAL	<i>Reithrodontomys montanus</i>	Plains Harvest Mouse				S				AMAFF02010	S3	G5
Santa Cruz	MAMMAL	<i>Sciurus arizonensis</i>	Arizona Gray Squirrel				S		A		AMAFB07060	S4	G4
Santa Cruz	MAMMAL	<i>Sigmodon ochrognathus</i>	Yellow-nosed Cotton Rat	SC			S				AMAFF07040	S4	G4G5
Santa Cruz	MAMMAL	<i>Sorex arizonae</i>	Arizona Shrew	SC			S		P	WSC	AMABA01240	S2	G3
Santa Cruz	MAMMAL	<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat								AMACD01010	S3S4	G5
Santa Cruz	MAMMAL	<i>Thomomys bottae</i>	Botta's Pocket Gopher								AMAF01020	S5	G5
Santa Cruz	MAMMAL	<i>Thomomys umbrinus intermedius</i>	Southern Pocket Gopher				S				AMAF01012	S3	G5T3
Santa Cruz	PLANT	<i>Abutilon parishii</i>	Pima Indian Mallow	SC	S		S			SR	PDMAL020E0	S3	G2
Santa Cruz	PLANT	<i>Abutilon reventum</i>	Yellow Indian Mallow								PDMAL020J0	S2	G3G5
Santa Cruz	PLANT	<i>Acacia farnesiana</i>	Sweet Acacia								PDFAB020D0	S1S2	G5
Santa Cruz	PLANT	<i>Aeschynomene villosa</i>	Sensitive Joint Vetch								PDFAB04070	S2?	G4
Santa Cruz	PLANT	<i>Agastache pallida</i>	Barber Giant Hyssop								PDLAM03090	S1?	G4?
Santa Cruz	PLANT	<i>Agastache rupestris</i>	Baboquivari Giant Hyssop								PDLAM030D0	S2	G3?
Santa Cruz	PLANT	<i>Agave parviflora ssp. parviflora</i>	Santa Cruz Striped Agave	SC			S		A	HS	PMAGA010L2	S3	G3T3
Santa Cruz	PLANT	<i>Allium glandulosum</i>	Gland Onion							SR	PMLIL02110	S1	G4
Santa Cruz	PLANT	<i>Allium rhizomatum</i>	Redflower Onion							SR	PMLIL02320	S1	G3?Q
Santa Cruz	PLANT	<i>Aloysia gratissima</i>	Common Bee Brush								PDVER02010	S3	G5
Santa Cruz	PLANT	<i>Amoreuxia gonzalezii</i>	Saiya	SC			S			HS	PDBIX01010	S1	G1
Santa Cruz	PLANT	<i>Amsonia grandiflora</i>	Large-flowered Blue Star	SC			S				PDAP003060	S2	G2
Santa Cruz	PLANT	<i>Anoda abutiloides</i>	False Indian Mallow								PDMAL07010	S2	G3
Santa Cruz	PLANT	<i>Arabis tricornuta</i>	Chiricahua Rock Cress				S				PDBRA06200	S1	G1
Santa Cruz	PLANT	<i>Argyrosma incana</i>	Hoary Cloak Fern								PPADI0N030	S2	G5
Santa Cruz	PLANT	<i>Asclepias incarnata ssp. incarnata</i>	Purple Milkweed								PDASC020U1	S1	G5T5

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Santa Cruz	PLANT	<i>Asclepias lemmonii</i>	Lemmon Milkweed				S				PDASC020Z0	S2	G4?
Santa Cruz	PLANT	<i>Asclepias uncialis</i>	Greene Milkweed	SC			S				PDASC02220	S1?	G3G4
Santa Cruz	PLANT	<i>Asplenium exiguum</i>	Sonoran Spleenwort								PPASP020D0	S1	GU
Santa Cruz	PLANT	<i>Aster pauciflorus</i>	Marsh Alkali Aster								PDASTEL010	S1	G4
Santa Cruz	PLANT	<i>Aster potosinus</i>	Lemmon's Aster								PDASTE8160	S1	G2
Santa Cruz	PLANT	<i>Astragalus hypoxylus</i>	Huachuca Milkvetch	SC	S		S			SR	PDFAB0F470	S1	G1
Santa Cruz	PLANT	<i>Ayenia glabra</i>	See: <i>Ayenia jaliscana</i>								PDSTE01090	SRF	G4
Santa Cruz	PLANT	<i>Bouchea prismatica</i>	Prism Bouchea								PDVER04020	S4	G4G5
Santa Cruz	PLANT	<i>Browallia eludens</i>	Bush-violet	SC			S				PDSOL03030	S1	G2?
Santa Cruz	PLANT	<i>Capsicum annuum</i> var. <i>glabriusculum</i>	Chiltepin				S				PDSOL06012	S2	G5T5
Santa Cruz	PLANT	<i>Carex chihuahuensis</i>	Chihuahuan Sedge				S				PMCYP032T0	S2S3	G3G4
Santa Cruz	PLANT	<i>Carex ultra</i>	Arizona Giant Sedge		S		S				PMCYP03E50	S2	G3?
Santa Cruz	PLANT	<i>Centaurea rothrockii</i>	Knap Thistle								PDAST1Y0P0	S3	G4
Santa Cruz	PLANT	<i>Choisya mollis</i>	Santa Cruz Star Leaf	SC			S				PDRUT02022	S2	G5?T2?
Santa Cruz	PLANT	<i>Conioselinum mexicanum</i>	Mexican Hemlock Parsley	SC			S				PDAPI0P030	S1	G2?
Santa Cruz	PLANT	<i>Corchorus hirtus</i>	Orinico Jute								PDTIL01030	S1	G5
Santa Cruz	PLANT	<i>Coryphantha recurvata</i>	Santa Cruz Beehive Cactus				S			HS	PDCAC04090	S3	G3
Santa Cruz	PLANT	<i>Coryphantha scheeri</i> var. <i>robustispina</i>	Pima Pineapple Cactus	LE						HS	PDCAC040C1	S2	G4T2
Santa Cruz	PLANT	<i>Coursetia glabella</i>	Smooth Baby-bonnets	SC			S				PDFAB140B0	S1	G3?
Santa Cruz	PLANT	<i>Croton ciliatoglandulifer</i>	Tropical Glandular Croton								PDEUP0H070	S1	G5
Santa Cruz	PLANT	<i>Cynanchum ligulatum</i>	Sinaloa Milkweed Vine								PDASC050V0	S1	G4
Santa Cruz	PLANT	<i>Dalea lumholtzii</i>	Lumholtz's Prairie-clover								PDFAB1A0Y0	S2S3	G3G4
Santa Cruz	PLANT	<i>Dalea tentaculoides</i>	Gentry's Indigo Bush	SC	S		S			HS	PDFAB1A1K0	S1	G1
Santa Cruz	PLANT	<i>Desmanthus bicornutus</i>	Ruby Bundleflower								PDFAB1C0A0	S1	G4
Santa Cruz	PLANT	<i>Desmodium metcalfei</i>	Metcalfe's Tick-trefoil				S				PDFAB1D0V0	S2	G3G4

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Santa Cruz	PLANT	Dichondra repens var. sericea	Silky Pony Foot								PDCON08090	S1	G5
Santa Cruz	PLANT	Erigeron arisolius	Arid Throne Fleabane				S				PDAST3M510	S2	G2
Santa Cruz	PLANT	Erigeron arizonicus	Arizona Fleabane								PDAST3M0B0	S3	G3?
Santa Cruz	PLANT	Erigeron pringlei	Pringle's Fleabane								PDAST3M3C0	S2	G2
Santa Cruz	PLANT	Erigeron sceptrifer	Scepterbearing Fleabane								PDAST3M520	S1	GNR
Santa Cruz	PLANT	Euphorbia macropus	Woodland Spurge	SC						SR	PDEUP0Q2U0	S2	G4
Santa Cruz	PLANT	Fraxinus gooddingii	Goodding Ash								PDOLE04080	S3	G3
Santa Cruz	PLANT	Gentianopsis macrantha	Mexican Fringed Gentian								PDGEN08060	S1S2	G4
Santa Cruz	PLANT	Gonolobus arizonicus	Rincon Milkweed Vine								PDASC0A020	S4	G4
Santa Cruz	PLANT	Graptopetalum bartramii	Bartram Stonecrop	SC	S		S			SR	PDCRA06010	S3	G3
Santa Cruz	PLANT	Gutierrezia wrightii	Wright's Snakeweed								PDAST4B0C0	S2S3	G4?
Santa Cruz	PLANT	Hedeoma dentatum	Mock-pennyroyal								PDLAM0M0M0	S3	G3
Santa Cruz	PLANT	Henrya insularis	Henrya								PDACA0R010	S1	G5
Santa Cruz	PLANT	Heteranthera limosa	Mud Plantain								PMPON03030	S1	G5
Santa Cruz	PLANT	Heterotheca rutteri	Huachuca Golden Aster	SC	S		S				PDAST4V0J0	S2	G2
Santa Cruz	PLANT	Hexalectris arizonica	Arizona Crested coral-root				S			SR	PMORC1C041	S1S2	G5T2T4
Santa Cruz	PLANT	Hexalectris colemanii	Coleman's coral-root				S				PMORC1C060	S1S2	G1G2
Santa Cruz	PLANT	Hieracium pringlei	Pringle Hawkweed	SC							PDAST4W170	S1	G2Q
Santa Cruz	PLANT	Ipomoea plummerae var. cuneifolia	Huachuca Morning Glory								PDCON0A141	S3	G4T3
Santa Cruz	PLANT	Ipomoea tenuiloba	Trumpet Morning-glory								PDCON0A1H0	S4	G4
Santa Cruz	PLANT	Ipomoea thurberi	Thurber's Morning-glory								PDCON0A1K0	S1	G3
Santa Cruz	PLANT	Laennecia eriophylla	Woolly Fleabane								PDASTDL020	S2	G3
Santa Cruz	PLANT	Lagascea decipiens	Beguiling Mexican Daisy								PDAST5G010	S4	G5
Santa Cruz	PLANT	Leibnitzia lyrata	Woodland Sunbonnets								PDASTDM010	S4	G5
Santa Cruz	PLANT	Lilaeopsis schaffneriana ssp. recurva	Huachuca Water-umbel	LE		Y				HS	PDAPI19051	S2	G4T2

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Santa Cruz	PLANT	<i>Lilium parryi</i>	Lemmon Lily	SC			S			SR	PMLIL1A0J0	S2	G3
Santa Cruz	PLANT	<i>Lobelia fenestralis</i>	Leafy Lobelia							SR	PDCAM0E0H0	S1	G4
Santa Cruz	PLANT	<i>Lobelia laxiflora</i>	Mexican Lobelia							SR	PDCAM0E0X0	S1	G4
Santa Cruz	PLANT	<i>Loeselia glandulosa</i>	Tropical Spiny Phlox								PDPLM0A010	S2	G4
Santa Cruz	PLANT	<i>Lotus alamosanus</i>	Alamos Deer Vetch				S				PDFAB2A020	S1	G3G4
Santa Cruz	PLANT	<i>Ludwigia palustris</i>	Marsh Purslane								PDONA0B0H0	S1	G5
Santa Cruz	PLANT	<i>Lupinus huachucanus</i>	Huachuca Mountain Lupine				S				PDFAB2B210	S2	G2
Santa Cruz	PLANT	<i>Macroptilium supinum</i>	Supine Bean	SC			S			SR	PDFAB330L0	S1	G2
Santa Cruz	PLANT	<i>Malaxis corymbosa</i>	Madrean Adders Mouth							SR	PMORC1R020	S3S4	G4
Santa Cruz	PLANT	<i>Malaxis porphyrea</i>	Purple Adder's Mouth							SR	PMORC1R0Q0	S2	G4
Santa Cruz	PLANT	<i>Malvastrum bicuspidatum</i>	Mexican Shrub Mallow								PDMAL0S030	S2	G4
Santa Cruz	PLANT	<i>Mammillaria wrightii</i> var. <i>wilcoxii</i>	Wilcox Fishhook Cactus							SR	PDCAC0A0E1	S4	G4T4
Santa Cruz	PLANT	<i>Manihot davisiae</i>	Arizona Manihot				S				PDEUP0Z010	S2	G4
Santa Cruz	PLANT	<i>Marina diffusa</i>	Spreading False Prairie-clover								PDFAB2F020	S1	G5?
Santa Cruz	PLANT	<i>Metastelma mexicanum</i>	Wiggins Milkweed Vine	SC			S				PDASC050P0	S1S2	G3G4
Santa Cruz	PLANT	<i>Microchloa kunthii</i>	Kunth Grass								PMPOA40010	S1	G5
Santa Cruz	PLANT	<i>Muhlenbergia dubioides</i>	Box Canyon Muhly				S				PMPOA480G0	S1	G1Q
Santa Cruz	PLANT	<i>Muhlenbergia xerophila</i>	Weeping Muhly				S				PMPOA48220	S1	G3
Santa Cruz	PLANT	<i>Nemastylis tenuis</i>	Slender Shell Flower								PMIRI0B040	S1	G5
Santa Cruz	PLANT	<i>Notholaena lemmonii</i>	Lemmon Cloak Fern	SC							PPADI0G0D0	S1S2	G3?
Santa Cruz	PLANT	<i>Ophioglossum engelmannii</i>	Engelmann Adders Tongue								PPOPH02040	S1	G5
Santa Cruz	PLANT	<i>Opuntia versicolor</i>	Stag-horn Cholla							SR	PDCAC0D1K0	S2S3	G4
Santa Cruz	PLANT	<i>Paspalum virletii</i>	Virlet Paspalum				S				PMPOA4P1L0	S1	G3?
Santa Cruz	PLANT	<i>Passiflora arizonica</i>	Arizona Passionflower				S				PDPAS01073	S2	G5T3T5
Santa Cruz	PLANT	<i>Passiflora bryonioides</i>	Mossy Passionflower								PDPAS01040	S1	G3G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Santa Cruz	PLANT	<i>Pectis imberbis</i>	Beardless Chinch Weed	SC			S				PDAST6W0A0	S1	G3
Santa Cruz	PLANT	<i>Pediomelum palmeri</i>	Palmer's Breadroot								PDFAB5L0M0	SH	G5
Santa Cruz	PLANT	<i>Pellaea ternifolia</i>	Ternate Cliffbrake								PPADI0H0B0	S2	G5
Santa Cruz	PLANT	<i>Penstemon discolor</i>	Catalina Beardtongue				S			HS	PDSCR1L210	S2	G2
Santa Cruz	PLANT	<i>Penstemon stenophyllus</i>	Narrowleaf Beardtongue								PDSCR1L5V0	S3	G4?
Santa Cruz	PLANT	<i>Penstemon superbus</i>	Superb Beardtongue								PDSCR1L630	S2?	G3?
Santa Cruz	PLANT	<i>Phyllanthus polygonoides</i>	Knotleaf Flower								PDEUP130E0	S2	G5
Santa Cruz	PLANT	<i>Physalis latiphysa</i>	Broad-leaf Ground-cherry				S				PDSOL0S0H0	S1	G1
Santa Cruz	PLANT	<i>Plagiobothrys pringlei</i>	Pringle Popcorn-flower								PDBOR0V0V0	S2	G3G4
Santa Cruz	PLANT	<i>Polygala glochidiata</i>	Spiny Milkwort								PDPGL020J0	S2	G5
Santa Cruz	PLANT	<i>Polypogon elongatus</i>	American Rabbitfoot Grass								PMPOA50020	S1	G5
Santa Cruz	PLANT	<i>Potentilla rhyolitica</i> var. <i>rhyolitica</i>	Huachuca Cinquefoil				S				PDROS132X2	S1S2	G1G2T1T2
Santa Cruz	PLANT	<i>Psilotum nudum</i>	Whisk Fern				S			HS	PPPSI01020	S1	G5
Santa Cruz	PLANT	<i>Pyrrhopappus rothrockii</i>	False Dandelion								PDAST7V050	S3	G4
Santa Cruz	PLANT	<i>Ranunculus arizonicus</i>	Arizona Buttercup								PDRAN0L0B0	S3	G4
Santa Cruz	PLANT	<i>Rhynchosia edulis</i>	Pan-american Snoutbean								PDFAB3F060	S2S3	G4G5
Santa Cruz	PLANT	<i>Rhynchosia precatoria</i>	Mexican Rosary Bean								PDFAB3F0H0	S2	G4
Santa Cruz	PLANT	<i>Sagittaria longiloba</i>	Flecha de Agua								PMALI040J0	S1	G5
Santa Cruz	PLANT	<i>Samolus vagans</i>	Chiricahua Mountain Brookweed				S				PDPRI09040	S2	G2?
Santa Cruz	PLANT	<i>Schiedeella arizonica</i>	Fallen Ladies'-tresses							SR	PMORC67020	S4	GNR
Santa Cruz	PLANT	<i>Senecio carlomasonii</i>	Seemann Groundsel								PDAST8H3W0	S2S3	G4?Q
Santa Cruz	PLANT	<i>Senecio multidentatus</i> var. <i>huachucanus</i>	Huachuca Groundsel				S			HS	PDAST8H411	S2	G2G4T2
Santa Cruz	PLANT	<i>Sisyrinchium cernuum</i>	Nodding Blue-eyed Grass				S				PMIRI0D0B0	S2	G5
Santa Cruz	PLANT	<i>Solanum lumholtzianum</i>	Lumholtz Nightshade								PDSOL0Z180	S3	G3G4
Santa Cruz	PLANT	<i>Spiranthes delitescens</i>	Canelo Hills Ladies'-tresses	LE						HS	PMORC2B140	S1	G1

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Santa Cruz	PLANT	<i>Stenorrhynchos michuacanum</i>	Michoacan Ladies'-tresses							SR	PMORC2B0L0	S3	G4
Santa Cruz	PLANT	<i>Stevia lemmonii</i>	Lemmon's Stevia				S				PDAST8V010	S2	G3G4
Santa Cruz	PLANT	<i>Talinum gooddingii</i>	Goodding's Flameflower								PDPOR08090	S1	G1Q
Santa Cruz	PLANT	<i>Talinum humile</i>	Pinos Altos Flame Flower	SC			S			SR	PDPOR080A0	S1	G2
Santa Cruz	PLANT	<i>Talinum marginatum</i>	Tepic Flame Flower	SC			S			SR	PDPOR080N0	S1	G2
Santa Cruz	PLANT	<i>Tephrosia thurberi</i>	Thurber Hoary Pea								PDFAB3X0M0	S3	G4G5
Santa Cruz	PLANT	<i>Tillandsia recurvata</i>	Ball Moss								PMBRO090E0	S2	G5
Santa Cruz	PLANT	<i>Tithonia thurberi</i>	Thurber Tithonia								PDAST9A030	S4	G4
Santa Cruz	PLANT	<i>Tragia laciniata</i>	Sonoran Noseburn				S				PDEUP1D060	S3?	G3G4
Santa Cruz	PLANT	<i>Tripsacum lanceolatum</i>	Mexican Gama Grass								PMPOA68030	S2S3	G4
Santa Cruz	PLANT	<i>Verbena pinetorum</i>	Chihuahua Vervain								PDVER0N0P0	S1	G2G4
Santa Cruz	PLANT	<i>Viola umbraticola</i>	Shade Violet				S				PDVIO042E0	S2?	G3G4
Santa Cruz	REPTILE	<i>Aspidoscelis burti stictogrammus</i>	Giant Spotted Whiptail	SC			S				ARACJ02011	S2	G4T4
Santa Cruz	REPTILE	<i>Crotalus lepidus klauberi</i>	Banded Rock Rattlesnake						PR		ARADE02051	S3	G5T5
Santa Cruz	REPTILE	<i>Crotalus pricei</i>	Twin-spotted Rattlesnake				S		PR		ARADE02080	S2	G5
Santa Cruz	REPTILE	<i>Crotalus willardi willardi</i>	Arizona Ridge-nosed Rattlesnake				S		PR	WSC	ARADE02132	S1S2	G5T4
Santa Cruz	REPTILE	<i>Gopherus morafkai</i>	Sonoran Desert Tortoise	C*			S		A	WSC	ARAAF01013	S4	G4
Santa Cruz	REPTILE	<i>Gyalopion canum</i>	Chihuahuan Hook-nosed Snake								ARADB16010	S3	G5
Santa Cruz	REPTILE	<i>Gyalopion quadrangulare</i>	Thornscrub Hook-nosed Snake				S		PR		ARADB16020	S1	G4
Santa Cruz	REPTILE	<i>Heterodon kennerlyi</i>	Mexican Hog-nosed Snake								ARADB17012	S3	G5T4
Santa Cruz	REPTILE	<i>Hypsiglena sp. nov.</i>	Hooded Nightsnake								ARADB18050	S4	G4
Santa Cruz	REPTILE	<i>Lampropeltis getula nigrita</i>	Western Black Kingsnake						A		ARADB19026	S3	G5T3T4Q
Santa Cruz	REPTILE	<i>Oxybelis aeneus</i>	Brown Vinesnake				S			WSC	ARADB24010	S1	G5
Santa Cruz	REPTILE	<i>Phrynosoma hernandesi</i>	Greater Short-horned Lizard								ARACF12080	S4	G5
Santa Cruz	REPTILE	<i>Plestiodon callicephalus</i>	Mountain Skink				S				ARACH01030	S2	G4G5

COUNTY	TAXON	SCIENTIFIC NAME	COMMON NAME	ESA	BLM	CRIT HAB	USFS	NESL	MEXFED	STATE	ELCODE	S RANK	G RANK
Santa Cruz	REPTILE	Sceloporus slevini	Slevin's Bunchgrass Lizard		S		S				ARACF14180	S2	G4
Santa Cruz	REPTILE	Senticolis triaspis intermedia	Northern Green Ratsnake				S				ARADB44011	S3	G5T4
Santa Cruz	REPTILE	Tantilla wilcoxi	Chihuahuan Black-headed Snake								ARADB35120	S1	G4
Santa Cruz	REPTILE	Tantilla yaquia	Yaqui Black-headed Snake				S				ARADB35130	S2	G4
Santa Cruz	REPTILE	Terrapene ornata luteola	Desert Box Turtle		S				PR		ARAAD08021	S2S3	G5T4
Santa Cruz	REPTILE	Thamnophis eques megalops	Northern Mexican Gartersnake	C*			S		A	WSC	ARADB36061	S1	G5T5
Yavapai	AMPHIBIAN	Anaxyrus microscaphus	Arizona Toad	SC			S				AAABB01110	S3S4	G3G4
Yavapai	AMPHIBIAN	Hyla wrightorum (Mogollon Rim Pop.)	Mogollon Rim Treefrog								AAABC02081	S4	G4T4
Yavapai	AMPHIBIAN	Lithobates chiricahuensis	Chiricahua Leopard Frog	LT		Y			A	WSC	AAABH01080	S2	G3
Yavapai	AMPHIBIAN	Rana pipiens	Northern Leopard Frog		S		S	2		WSC	AAABH01170	S2	G5
Yavapai	AMPHIBIAN	Rana yavapaiensis	Lowland Leopard Frog	SC	S		S		PR	WSC	AAABH01250	S3	G4
Yavapai	BIRD	Accipiter gentilis	Northern Goshawk	SC	S		S	4	A	WSC	ABNKC12060	S3B	G5
Yavapai	BIRD	Aix sponsa	Wood Duck								ABNJB09010	S2B,S3N	G5
Yavapai	BIRD	Aquila chrysaetos	Golden Eagle		S			3	A		ABNKC22010	S4	G5
Yavapai	BIRD	Ardea herodias	Great Blue Heron								ABNGA04010	S5	G5
Yavapai	BIRD	Asio otus	Long-eared Owl								ABNSB13010	S2B,S3S4N	G5
Yavapai	BIRD	Athene cunicularia hypugaea	Western Burrowing Owl	SC	S		S	4	PR		ABNSB10012	S3	G4T4
Yavapai	BIRD	Buteo albonotatus	Zone-tailed Hawk				S		PR		ABNKC19090	S4	G4
Yavapai	BIRD	Buteo lineatus	Red-shouldered Hawk						PR		ABNKC19030	SA	G5
Yavapai	BIRD	Buteo regalis	Ferruginous Hawk	SC	S		S	3	PR	WSC	ABNKC19120	S2B,S4N	G4
Yavapai	BIRD	Buteo swainsoni	Swainson's Hawk				S		PR		ABNKC19070	S3	G5
Yavapai	BIRD	Buteogallus anthracinus	Common Black-Hawk				S		PR	WSC	ABNKC15010	S3	G4G5
Yavapai	BIRD	Coccyzus americanus	Yellow-billed Cuckoo (Western U.S. PS:C* DPS)				S	2		WSC	ABNRB02020	S3	G5
Yavapai	BIRD	Empidonax traillii extimus	Southwestern Willow Flycatcher	LE		Y		2	E	WSC	ABPAE33043	S1	G5T1T2
Yavapai	BIRD	Falco peregrinus anatum	American Peregrine Falcon	SC	S		S	4	PR	WSC	ABNKD06071	S4	G4T4

STATUS DEFINITIONS
ARIZONA GAME AND FISH DEPARTMENT (AGFD)
HERITAGE DATA MANAGEMENT SYSTEM (HDMS)

FEDERAL US STATUS

FWS US Fish and Wildlife Service

BGA Bald and Golden Eagle Protection Act

(<http://www.fws.gov/migratorybirds/baldeagle.htm>)

Prohibits take of bald and golden eagles without prior US Fish and Wildlife Service permit.

ESA Endangered Species Act (1973 as amended) (<http://www.fws.gov/southwest/es/arizona>)
US Department of Interior, Fish and Wildlife Service

Listed

LE Listed Endangered: imminent jeopardy of extinction.

LT Listed Threatened: imminent jeopardy of becoming Endangered.

PS Partial Status: listed Endangered or Threatened, but not in entire range.

XN Experimental Nonessential population.

PDL Proposed for delisting.

No Status: certain populations of this taxon do not have designated status (check with state or regional USFWS office for details about which populations have designated status).

SAT Listed Threatened due to Similarity of Appearance. This happens when a member of a non-listed population is found within the geographic area of a Distinct Population Segment for a listed species (e.g., a wintering bald eagle within the DPS for listed bald eagles).

Proposed for Listing

PE Proposed Endangered.

PT Proposed Threatened.

Candidate (Notice of Review: 2012)

(<http://www.fws.gov/endangered/what-we-do/cnor.html>)

C Candidate. Species for which the USFWS has on file sufficient information on biological vulnerability and threats to support proposals to list as Endangered or Threatened under ESA. Proposed rules for these species is precluded at present by other higher priority listing actions.

C* The Service identifies species for which they made a continued warranted-but-precluded finding on a resubmitted petition by the code "C*" in the category column. This code was put into use starting in 2008.

SC Species of Concern. The terms "Species of Concern" or "Species at Risk" should be considered as terms-of-art that describe the entire realm of taxa whose conservation status may be of concern to the US Fish and Wildlife

Service, but neither term has official status (currently includes all former C2 and delisted species).

Critical Habitat (check with state or regional USFWS office for location details)

Y Yes: Critical Habitat has been designated.

P Proposed: Critical Habitat has been proposed.

DPS Distinct Population Segment: a portion of a species' or subspecies' population or range. The DPS is generally described geographically. A DPS can apply to a Candidate or Listed or Proposed Species.

10(j) 10(j) Recovery Area: Under section 10(j), a population of a listed species re-established outside its current range, but within its probable historic range may be designated as "experimental" at the discretion of the Secretary of the Interior. The 10(j) recovery area is the geographic boundary established under Final Rule and may be larger than the actual occupied area or "primary recovery zone."

10(a)(1)(A) An experimental population currently managed under a 10(a)(1)(A) permit from the U.S. Fish and Wildlife Service. A 10(a)(1)(A) permit can be issued under the authority of section 10(a)(1)(A) of the Endangered Species Act "for scientific purposes or to enhance the propagation or survival of the affected species including, but not limited to, acts necessary for the establishment and maintenance of experimental populations." The 10(a)(1)(A) recovery area is a geographic boundary and may be larger than the actual occupied area.

USFS US Forest Service (2007 Animals, 2007 Plants)

US Department of Agriculture, Forest Service, Region 3 (<http://www.fs.fed.us/r3/>)

S Sensitive: those taxa occurring on National Forests in Arizona which are considered sensitive by the Regional Forester.

BLM US Bureau of Land Management (2008 Animals, 2008 Plants)

US Department of Interior, Bureau of Land Management, Arizona State Office (<http://azwww.blm.gov>)

S Sensitive: those taxa occurring on BLM Field Office Lands in Arizona which are considered sensitive by the Arizona State Office.

P Population: only those populations of Banded Gila monster (*Heloderma suspectum cinctum*) that occur north and west of the Colorado River are considered sensitive by the Arizona State Office.

TRIBAL STATUS

NESL Navajo Endangered Species List (2008)

Navajo Nation, Navajo Fish and Wildlife Department
<http://nnhp.navajofishandwildlife.org/endangered.htm>

The Navajo Endangered Species List contains taxa with status from the entire Navajo Nation which includes parts of Arizona, Utah, and New Mexico. In this notebook we provide NESL status for only those taxa whose distribution includes part or all of the Arizona portion of the Navajo Nation.

Groups

- 1** Those species or subspecies that no longer occur on the Navajo Nation.
- 2** Any species or subspecies which is in danger of being eliminated from all or a significant portion of its range on the Navajo Nation.
- 3** Any species or subspecies which is likely to become an endangered species, within the foreseeable future, throughout all or a significant portion of its range on the Navajo Nation.
- 4** Any species or subspecies for which the Navajo Fish and Wildlife Department (NF&WD) does not currently have sufficient information to support their being listed in Group 2 or Group 3 but has reason to consider them. The NF&WD will actively seek information on these species to determine if they warrant inclusion in a different group or removal from the list.

MEXICAN STATUS

MEX Mexican Federal Endangered Species List (December 30, 2010)

Proyecto de Norma Oficial Mexicana PROY-NOM-059-ECOL-2010

The Mexican Federal Endangered Species List contains taxa with status from the entire Mexican Republic and waters under its jurisdiction. In this notebook we provide MEX designations for only those taxa occurring in Arizona and also in Mexico.

- P** En Peligro de Extinción (Determined Endangered in Mexico): in danger of extinction.
- A** Amenazada (Determined Threatened in Mexico): could become endangered if factors causing habitat deterioration or population decline continue.
- Pr** Sujeta a Protección Especial (Determined Subject to Special Protection in Mexico): utilization limited due to reduced populations, restricted distribution, or to favor recovery and conservation of the taxon or associated taxa.
- E** Probablemente extinta en el medio silvestre (Probably extinct in the wild of Mexico): A native species whose individuals in the wild have disappeared, based on pertinent documentation and studies that prove it. The only existing individuals of the species are in captivity or outside the Mexican territory.

- [] One or more subspecies of this species has status in Mexico, but the HDMS does not track it at the subspecies level (most of these subspecies are endemic to Mexico). Please consult the NORMA Oficial Mexicana PROY-NOM-059-ECOL-2000 for details.]

STATE STATUS

ADA Arizona Department of Agriculture

NPL Arizona Native Plant Law (2008)

Arizona Department of Agriculture (<http://www.azda.gov/ESD/nativeplants.htm>)

- HS** Highly Safeguarded: no collection allowed.
SR Salvage Restricted: collection only with permit.
ER Export Restricted: transport out of State prohibited.
SA Salvage Assessed: permits required to remove live trees.
HR Harvest Restricted: permits required to remove plant by-products.

AGFD Arizona Game and Fish Department

WSC Wildlife of Special Concern in Arizona (in prep)

Arizona Game and Fish Department (<http://www.azgfd.gov>)

WSC Wildlife of Special Concern in Arizona. Species whose occurrence in Arizona is or may be in jeopardy, or with known or perceived threats or population declines, as described by the Arizona Game and Fish Department's listing of Wildlife of Special Concern in Arizona (WSCA, in prep). Species indicated on printouts as WSC are currently the same as those in **Threatened Native Wildlife in Arizona** (1988).

SGCN Species of Greater Conservation Need (2012)

(http://www.azgfd.gov/w_c/swap.shtml)

Arizona Game and Fish Department. 2012. Arizona's State Wildlife Action Plan: 2012-2022. Arizona Game and Fish Department, Phoenix, Arizona.

Each species in the SGCN list was scored for each of the following vulnerability criteria. If a species ranked as "vulnerable" (i.e., score = "1") under one or more of the vulnerability criteria it was included in the SGCN. Ranks were not additive. The rank was based on the following criteria:

- Extirpated from Arizona
- Federal or State status
- Declining status
- Disjunct status
- Demographic status

Concentration status
Fragmentation status
Distribution status

Tiers

The list of SGCN was further categorized in to three tiers reflecting the Department's management commitments and priorities; tiers were ranked as follows:

Tier 1A: Scored "1" for Vulnerability in at least one of the eight categories and matches at least one of the following:

- Federally listed as endangered or threatened under the Endangered Species Act (ESA).
- Candidate species under ESA.
- Is specifically covered under a signed conservation agreement (CCA) or a signed conservation agreement with assurances (CCAA).
- Recently removed from ESA and currently requires post-delisting monitoring.
- Closed season species (i.e., no take permitted) as identified in Arizona Game and Fish Commission Orders 40, 41, 42 or 43.

Tier 1B: Scored "1" for Vulnerability in at least one of the eight categories, but match none of the above criteria.

Tier 1C: Unknown status species. Scored "0" for Vulnerability in one of the eight categories, meaning there are no data with which to address one or more categories, and vulnerability status cannot be assessed. These species are those for which we are unable to assess status, and thus represent priority research and information needs. As more information becomes available, their tier status will be re-evaluated



U.S. Fish & Wildlife Service

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Listings and occurrences for Arizona

Notes:

- This report shows the listed species associated in some way with this state.
- This list does not include experimental populations and similarity of appearance listings.
- This list includes non-nesting sea turtles and whales in State/Territory coastal waters.
- This list includes species or populations under the sole jurisdiction of the National Marine Fisheries Service.
- Click on the highlighted scientific names below to view a Species Profile for each listing.

Summary of Animals listings

Animal species listed in this state and that occur in this state (37 species)

Status

Species

E	Ambersnail, Kanab Entire (Oxyloma haydeni kanabensis)
E	Bat, lesser long-nosed Entire (Leptonycteris curasoae yerbabuena)
E	Bobwhite, masked (quail) Entire (Colinus virginianus ridgwayi)
T	Catfish, Yaqui Entire (Ictalurus pricei)
E	Chub, bonytail Entire (Gila elegans)
E	Chub, Gila Entire (Gila intermedia)
E	Chub, humpback Entire (Gila cypha)
T	Chub, Sonora Entire (Gila ditaenia)
E	Chub, Virgin River Entire (Gila seminuda (=robusta))
E	Chub, Yaqui Entire (Gila purpurea)
E	Condor, California Entire, except where listed as an experimental population below (Gymnogyps californianus)
E	Ferret, black-footed entire population, except where EXPN (Mustela nigripes)

<u>Status</u>	<u>Species</u>
E	Flycatcher, southwestern willow Entire (Empidonax traillii extimus)
T	Frog, Chiricahua leopard Entire (Rana chiricahuensis)
E	Jaguar U.S.A.(AZ,CA,LA,NM,TX),Mexico,Central and South America (Panthera onca)
E	Minnow, loach Entire (Tiaroga cobitis)
E	Ocelot U.S.A.(AZ, TX) to Central and South America (Leopardus (=Felis) pardalis)
T	Owl, Mexican spotted Entire (Strix occidentalis lucida)
E	Pikeminnow (=squawfish), Colorado except Salt and Verde R. drainages, AZ (Ptychocheilus lucius)
E	Pronghorn, Sonoran Entire (Antilocapra americana sonoriensis)
E	Pupfish, desert Entire (Cyprinodon macularius)
E	Rail, Yuma clapper U.S.A. only (Rallus longirostris yumanensis)
T	Rattlesnake, New Mexican ridge-nosed Entire (Crotalus willardi obscurus)
E	Salamander, Sonora tiger Entire (Ambystoma tigrinum stebbinsi)
T	Shiner, beautiful Entire (Cyprinella formosa)
E	Spikedace Entire (Meda fulgida)
T	Spinedace, Little Colorado Entire (Lepidomeda vittata)
T	springsnail, San Bernardino Entire (Pyrgulopsis bernardina)
E	Springsnail, Three Forks Entire (Pyrgulopsis trivialis)
E	Squirrel, Mount Graham red Entire (Tamiasciurus hudsonicus grahamensis)
E	Sucker, razorback Entire (Xyrauchen texanus)
E	Topminnow, Gila (incl. Yaqui) U.S.A. only (Poeciliopsis occidentalis)
T	Tortoise, desert U.S.A., except in Sonoran Desert (Gopherus agassizii)
T	Trout, Apache Entire (Oncorhynchus apache)
T	Trout, Gila Entire (Oncorhynchus gilae)
E	Vole, Hualapai Mexican Entire (Microtus mexicanus hualpaiensis)
E	Woundfin except Gila R. drainage, AZ, NM (Plagopterus argentissimus)

Animal species listed in this state that do not occur in this state (6 species)

<u>Status</u>	<u>Species</u>
T	Bear, grizzly lower 48 States, except where listed as an experimental population or delisted (Ursus arctos horribilis)
T	Caracara, Audubon's crested FL pop. (Polyborus plancus audubonii)
E	falcon, northern aplomado Entire, except where listed as an experimental population (Falco femoralis septentrionalis)
E	Jaguarundi, Sinaloan Entire (Herpailurus (=Felis) vagouaroundsi tolteca)
E	Parrot, thick-billed Mexico, U.S.A. (AZ, NM) (Rhynchopsitta pachyrhyncha)
E	Wolf, gray U.S.A.: All of AL, AR, CA, CO, CT, DE, FL, GA, KS, KY, LA, MA, MD, ME, MO, MS, NC, NE, NH, NJ, NV, NY, OK, PA, RI, SC, TN, VA, VT and WV; those portions of AZ, NM, and TX not included in an experimental population; and portions of IA, IN, IL, ND, OH, OR, SD, UT, and WA. Mexico. (Canis lupus)

Animal listed species occurring in this state that are not listed in this state (1 species)

<u>Status</u>	Species
E	Tern, California least ((<i>Sterna antillarum browni</i>))

Summary of Plant listings

Plant species listed in this state and that occur in this state (17 species)

<u>Status</u>	Species
E	Blue-star, Kearney's ((<i>Amsonia kearneyana</i>))
E	Cactus, Arizona hedgehog ((<i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i>))
E	Cactus, Brady pincushion ((<i>Pediocactus bradyi</i>))
T	Cactus, Cochise pincushion ((<i>Coryphantha robbinsiorum</i>))
E	Cactus, Nichol's Turk's head ((<i>Echinocactus horizonthalonius</i> var. <i>nicholii</i>))
E	Cactus, Peebles Navajo ((<i>Pediocactus peeblesianus</i> var. <i>peeblesianus</i>))
E	Cactus, Pima pineapple ((<i>Coryphantha scheeri</i> var. <i>robustispina</i>))
T	Cactus, Siler pincushion ((<i>Pediocactus</i> (= <i>Echinocactus</i>, = <i>Utahia</i>) <i>sileri</i>))
E	Cliff-rose, Arizona ((<i>Purshia</i> (= <i>Cowania</i>) <i>subintegra</i>))
T	Cycladenia, Jones ((<i>Cycladenia humilis</i> var. <i>jonesii</i>))
E	Ladies'-tresses, Canelo Hills ((<i>Spiranthes delitescens</i>))
E	Milk-vetch, Holmgren ((<i>Astragalus holmgreniorum</i>))
E	Milk-vetch, Sentry ((<i>Astragalus cremnophylax</i> var. <i>cremnophylax</i>))
T	Milkweed, Welsh's ((<i>Asclepias welshii</i>))
T	Ragwort, San Francisco Peaks ((<i>Packera franciscana</i>))
T	Sedge, Navajo ((<i>Carex specuicola</i>))
E	Water-umbel, Huachuca ((<i>Lilaeopsis schaffneriana</i> var. <i>recurva</i>))

Plant listed species occurring in this state that
are not listed in this state (1 species)

<u>Status</u>	Species
T	Fleabane, Zuni ((<i>Erigeron rhizomatus</i>))

Cochise County

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Beautiful shiner	<i>Cyprinella formosa</i>	Threatened	Small (2.5 inches) shiny minnow, very similar to red shiner. Males colorful during breeding (yellow-orange or orange on caudal and lower fins, bluish body).	Cochise	< 4,500 ft	Small to medium sized streams and ponds with sand, gravel, and rock bottoms.	Virtually extirpated in the United States, with the exception of a few populations on San Bernardino National Wildlife Refuge. Same critical habitat as Yaqui Chub and Catfish (see 49 FR 34490).
Canelo Hills ladies' tresses	<i>Spiranthes delitescens</i>	Endangered	Slender, erect member of the orchid family (Orchidaceae). Flower stalk 20 inches tall, may contain 40 white flowers spirally arranged on the flowering stalk.	Cochise, Santa Cruz	~ 5,000 ft	Finely grained, highly organic, saturated soils of cienegas.	Found in the San Pedro watershed. Potential habitat occurs in Sonora, Mexico, but no populations have been found.
Chiricahua leopard frog	<i>Lithobates chiricahuensis</i>	Threatened	Cream colored tubercles (spots) on a dark background on the rear of the thigh, dorsolateral folds that are interrupted and deflected medially, and a call given out of water distinguish this spotted frog from other leopard frogs.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Navajo, Pima, Santa Cruz, Yavapai	3,281-8,890 ft	Restricted to springs, livestock tanks, and streams in upper portion of watersheds that are free from nonnative predators or where marginal habitat for nonnative predators exists.	Critical habitat is designated for 10,346 acres in Apache, Cochise, Gila, Graham, Greenlee, Pima, Santa Cruz, and Yavapai counties in Arizona; and Catron, Hidalgo, Grant, Sierra, and Socorro counties in New Mexico (77 FR 16324).
Cochise pincushion cactus	<i>Coryphantha robbinsorum</i>	Threatened	A small unbranched cactus with no central spines and 11-17 white radial spines. The bell-shaped flowers are borne on the ends of tubercles (protrusions). Flowers: bell shaped, pale yellow-green. Fruits: orange-red to red.	Cochise	> 4,200 ft	Semidesert grassland with small shrubs, agave, other cacti, and grama grass.	Grows on gray limestone hills. Species also occurs in Sonora, Mexico.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Desert pupfish	<i>Cyprinodon macularius</i>	Endangered	Small (2 inches) smoothly rounded body shape with narrow vertical bars on the sides. Breeding males blue on head and sides with yellow on tail. Females and juveniles tan to olive colored back and silvery sides.	Cochise, Graham, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,000 ft	Shallow springs, small streams, and marshes. Tolerates saline and warm water.	Two subspecies are recognized: Desert Pupfish (<i>C.m. macularis</i>) and Quitobaquito Pupfish (<i>C.m. eremus</i>). Critical habitat includes Quitobaquito Springs, Pima County, portions of San Felipe Creek, Carrizo Wash, and Fish Creek Wash, Imperial County, California.
Gila chub	<i>Gila intermedia</i>	Endangered	Deep compressed body, flat head. Dark olive-gray color above, silver sides. Endemic to Gila River Basin.	Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, Yavapai	2,000-5,500 ft	Pools, springs, cienegas, and streams.	Occurs on Federal, State, and private lands, including the Nature Conservancy and the Audubon Society. Also occurs in Sonora, Mexico. Critical habitat includes Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, and Yavapai counties (70 FR 66664).
Gila topminnow	<i>Poeciliopsis occidentalis occidentalis</i>	Endangered	Small (2 inches), guppy-like, live bearing, lacks dark spots on its fins. Breeding males are jet black with yellow fins.	Cochise, Gila, Graham, La Paz, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,500 ft	Small streams, springs, and cienegas vegetated shallows.	Species historically also occurred in backwaters of large rivers but is currently isolated to small streams and springs.
Huachuca water umbel	<i>Lilaeopsis schaffneriana ssp. recurva</i>	Endangered	Herbaceous, semi-aquatic perennial in the parsley family (Umbelliferae) with slender erect, hollow, leaves that grow from the nodes of creeping rhizomes. Flower: 3 to 10 flowered umbels arise from root nodes.	Cochise, Pima, Santa Cruz	3,500-6,500 ft	Cienegas, perennial low gradient streams, wetlands.	Species also occurs in adjacent Sonora, Mexico, west of the continental divide. Critical habitat includes Cochise and Santa Cruz counties (64 FR 37441).
Jaguar	<i>Panthera onca</i>	Endangered	Largest species of cat native to Southwest. Muscular, with relatively short, massive limbs, and a deep-chested body. Usually cinnamon-buff in color with many black spots. Weights ranges from 90-300 lbs.	Cochise, Pima, Santa Cruz	1,600-9,000 ft	Found in Sonoran desertscrub up through subalpine conifer forest.	Critical habitat is being proposed for a total of 838,232 ac. in Cochise, Pima, and Santa Cruz counties, Arizona; and Hidalgo County, New Mexico (77 FR 50214). A recovery team for the jaguar was formed in 2010, who completed a recovery outline for the species in April, 2012. The recovery team is currently developing a full recovery plan for the species based on the recovery outline.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Lesser long-nosed bat	<i>Leptonycteris curasoae yerbabuena</i>	Endangered	Elongated muzzle, small leaf nose, and long tongue. Yellowish brown or gray above and cinnamon brown below. Tail minute and appears to be lacking. Easily disturbed.	Cochise, Gila, Graham, Greenlee, Maricopa, Pima, Pinal, Santa Cruz, Yuma	1,600-7,500 ft	Desert scrub habitat with agave and columnar cacti present as food plants.	Day roosts in caves and abandoned tunnels. Forages at night on nectar, pollen, and fruit of paniculate agaves and columnar cacti. This species is migratory and is present in Arizona usually from April to September and south of the border the remainder of the year.
Loach minnow	<i>Tiaroga cobitis</i>	Endangered	Small (<3 inches) slender, elongated fish, olive colored with dirty white spots at the base of the dorsal and caudal fins. Breeding males vivid red on mouth and base of fins.	Apache, Cochise, Gila, Graham, Greenlee, Navajo, Pinal, Yavapai	< 8,000 ft	Benthic species of small to large perennial streams with swift shallow water over cobble and gravel. Recurrent flooding and natural hydrograph important.	Presently found in Aravaipa Creek, Deer Creek, Turkey Creek, Blue River, Campbell Blue Creek, Little Blue Creek, San Francisco River, Eagle Creek, North Fork of the East Fork Black River, Boneyard Creek, and White River and East Fork White River in Arizona, and Dry Blue Creek, Pace Creek, Frieborn Creek, the San Francisco River, Tularosa River, Negrito Creek, Whitewater Creek, the East, Middle, and West Forks of the Gila River, mainstem upper Gila River. Bear Creek and Mangas Creek in New Mexico. Populations have been recently reintroduced in Hot Springs and Redfield canyons in Cochise and Graham counties; Fossil Creek in Gila County; and Bonita Creek in Graham County Arizona. Critical habitat has been designated in Apache, Cochise, Gila, Graham, Greenlee, Pinal, and Yavapai counties, Arizona, as well as in Catron, Grant, and Hidalgo counties in New Mexico (77 FR 10810).
Mexican spotted owl	<i>Strix occidentalis lucida</i>	Threatened	Medium sized with dark eyes and no ear tufts. Brownish and heavily spotted with white or beige.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai	4,100-9,000 ft	Nests in canyons and dense forests with multi-layered foliage structure.	Generally nest in older forests of mixed conifer or ponderosa pine/gambel oak type, in canyons, and use variety of habitats for foraging. Sites with cool microclimates appear to be of importance or are preferred. Critical habitat was finalized on August 31, 2004 (69 FR 53182) in Arizona in Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Navajo, Pima, Pinal, Santa Cruz, and Yavapai counties.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
New Mexico ridge-nosed rattlesnake	<i>Crotalus willardi obscurus</i>	Threatened	Small 12-24 inches, secretive grayish-brown with a distinct ridge on the end of the snout. The dorsal surface has obscure, irregularly spaced white crossbars edged with brown (not a bold pattern).	Cochise	5,000-6,600 ft	Primarily canyon bottoms in pine-oak communities.	The subspecies has been documented in the Peloncillo Mountains in Arizona. There are only three known records from Arizona. Also occurs in Animas Mountains of New Mexico and Sierra San Luis in Sonora/Chihuahua.
Northern aplomado falcon	<i>Falco femoralis septentrionalis</i>	Endangered	Rufous underparts, gray back, long banded tail, and a distinct black and white facial pattern. Smaller than peregrine falcon but larger than a kestrel. Breeds between March and June.	Currently extirpated from AZ with unconfirmed sightings occasionally reported in Cochise County.	3,500-9,000 ft	Grassland and savannah	Non-essential experimental population designated in Arizona and New Mexico in 2006 (71 FR 42298). Species formerly nested in southwestern U.S., now rarely occurs. Good habitat has low ground cover and mesquite or yucca for nesting platforms. Pesticide use in Mexico had endangered this species but DDT use is now banned there. Reintroductions are occurring in New Mexico and Texas. One confirmed sighting in AZ occurred in recent years.
Ocelot	<i>Leopardus pardalis</i>	Endangered	Medium-sized spotted cat that is yellowish with black streaks and stripes running from front to back. Tail is spotted and about 1/2 the length of head and body. Face is less heavily streaked than the back and sides.	Cochise, Gila, Graham, Pima, Pinal, Santa Cruz	< 8,000 ft	Desert scrub in Arizona. Humid tropical and subtropical forests, and savannahs in areas south of the U.S.	Little is known about ocelot habitat use in Arizona; however, ocelots are typically associated with areas of dense cover. Four confirmed reports of ocelots have been received from Gila (one) and Cochise (three) counties since 2009. Based on photographic evidence, two of the reports from Cochise County were most likely of the same ocelot.
San Bernardino springsnail	<i>Pyrgulopsis bernardina</i>	Threatened	Aquatic snail of family Hydrobiidae. Narrow-conic shell; height 1.3-1.7 mm; 3.25-4.0 whorls.	Cochise	3,806 ft	Springs with firm substrate composed of cobble, gravel, woody debris, and aquatic vegetation.	Distribution limited to Goat Tank Spring and Horse Spring. Critical habitat is designated on 2.013 acres (77 FR 23060).
Sonoran tiger salamander	<i>Ambystoma mavortium stebbinsi</i>	Endangered	Large, light-colored blotches or reticulations on a dark background. Metamorphosed individuals are 1.8 to 5.9 inches in snout-vent length. Aquatic larvae are uniform dark colored with plume-like gills and developed tail fins.	Cochise, Santa Cruz	4,000-6,300 ft	Stock tanks and impounded cienegas; rodent burrows, rotted logs, and other moist cover sites.	Populations occur within the headwaters of the Santa Cruz and San Pedro Rivers. These include San Rafael Valley and in the foothills of the east slope of the Patagonia and Huachuca Mountains and Fort Huachuca.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	Endangered	Small passerine (about 6 inches) grayish-green back and wings, whitish throat, light olive-gray breast and pale yellowish belly. Two wingbars visible. Eye-ring faint or absent.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 8,500 ft	Cottonwood/willow and tamarisk vegetation communities along rivers and streams.	Riparian-obligate bird that occupies migratory/breeding habitat from late April-Sept. Critical habitat was finalized on October 19, 2005 in Apache, Cochise, Gila, Graham, Greenlee, Maricopa, Mohave, Pima, Pinal, and Yavapai counties (70 FR 60886). Revised critical habitat was proposed August 15, 2011 (76 FR 50542) and includes river segments in counties currently designated plus those in La Paz, Santa Cruz, and Yuma counties. The 2005 critical habitat designation remains in effect until the current proposal is finalized. Training seminar/permits required for those conducting call playback surveys.
Spikedace	<i>Meda fulgida</i>	Endangered	Small (<3 inches) slim fish with silvery sides and "spine" on dorsal fin. Breeding males are a brassy golden color.	Cochise, Gila, Graham, Greenlee, Pinal, Yavapai	< 6,000 ft	Medium to large perennial streams with moderate to swift velocity waters over cobble and gravel substrate. Recurrent flooding and natural hydrograph important to withstand invading exotic species.	Presently found in Aravaipa Creek, Eagle Creek, and the Verde River in Arizona, and the Gila River, the East, Middle, and West Forks of the Gial River, and Mangas Creek in New Mexico. Populations have been recently reintroduced in Hot Springs and Redfield canyons in Cochise and Graham counties; Fossil Creek in Gila County; and Bonita Creek in Graham County Arizona, and in the San Francisco River in Catron County, New Mexico. Critical habitat (77 FR 10810) has been designated in Cochise, Gila, Graham, Greenlee, Pinal, and Yavapai counties in Arizona, and in Catron, Grant, and Hidalgo counties in New Mexico.
Yaqui catfish	<i>Ictalurus pricei</i>	Threatened	Similar to channel catfish (<i>Ictalurus punctatus</i>) except anal fin base is shorter and the distal margin of the anal fin is broadly rounded with 23-25 soft rays. Body usually profusely speckled.	Cochise	4,000-5,000 ft	Moderate to large streams with slow current over sand and rock bottoms.	Critical habitat includes all aquatic habitats on San Bernadino National Wildlife Refuge (49 FR 34490).

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Yaqui chub	<i>Gila purpurea</i>	Endangered	Medium sized minnow (<6 inches) dark colored, lighter below. Dark triangular caudal spot.	Cochise	4,000-6,000 ft	Deep pools of small streams near undercut banks and debris; pools associated with springheads, and artificial ponds.	Introduced populations exist in Leslie Canyon, in San Bernardino National Wildlife Refuge, and ponds and mainstem of West Turkey Creek in the Chiricahua Mountains. Critical habitat includes all aquatic habitats on San Bernardino National Wildlife Refuge (49 FR 34490).
Yaqui topminnow	<i>Poeciliopsis occidentalis sonoriensis</i>	Endangered	Small (2 inches) guppy-like, live bearing fish (lacking dark spots on fins). Breeding males are jet black with yellow fins.	Cochise	< 4,500 ft	Small to moderate sized streams, springs, and cienegas. Generally found in shallow areas with aquatic vegetations or debris. Tolerates relatively high water temperature and low dissolved oxygen.	Natural and introduced populations occur on San Bernardino National Wildlife Refuge and an introduced population is found in Leslie Canyon. Populations also exist in Mexico.
Arizona treefrog (Huachuca/Canelo DPS)	<i>Hyla wrightorum</i>	Candidate	Small (1.8 inches in length) green frog; dark eye stripe extends past shoulder onto the sides of the body, may break into spots or dashes past shoulder, throat on males dusky green or tan; larger tadpoles golden brown above and below with mottled black tails.	Cochise, Santa Cruz	5,000-8,500 ft	Madrean oak woodlands, savannah, pine-oak woodlands, and mixed conifer forests.	Known from less than 20 localities in the Huachuca Mountains and adjacent Canelo Hills. Believed this population is geographically disjunct from the other known locality in the wetlands at Rancho Los Fresnos, Sonora, Mexico.
Huachuca springsnail	<i>Pyrgulopsis thompsoni</i>	Candidate	Very small (.06-.12 inches) conical shell. Identification must be verified by characteristics of reproductive organs.	Cochise, Santa Cruz	4,500-7,200 ft	Aquatic areas, small springs with vegetation and slow to moderate flow.	Individuals found on firm substances (roots, wood, and rocks). Other populations found on Fort Huachuca.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Northern Mexican Gartersnake	<i>Thamnophis eques megalops</i>	Candidate	Background color ranges from olive, olive-brown, to olive-gray. Body has three yellow or light colored stripes running down the length of the body, darker towards tail. Species distinguished from other native gartersnakes by the lateral stripes reaching the 3rd and 4th scale rows. Paired black spots extend along dorsolateral fields.	Apache, Cochise, Coconino, Gila, Graham, Navajo, Pima, Pinal, Santa Cruz, Yavapai	130-8,500 ft	Cienegas, stock tanks, large-river riparian woodlands and forests, streamside gallery forests.	Core population areas in the U.S. include mid/upper Verde River drainage, mid/lower Tonto Creek, and the San Rafael Valley and surrounding area. Status on tribal lands unknown. Distributed south into Mexico along the Sierra Madre Occidental and Mexican Plateau. Strongly associated with the presence of a native prey base including leopard frogs and native fish.
Sonoran desert tortoise	<i>Gopherus morafkai</i>	Candidate	Large herbivorous reptile with domed shell and round stumpy hind legs. The carapace is a dull brown or grey color and the plastron is unhinged, often pale yellow in coloration. Sonoran desert tortoises generally have a flatter carapace than tortoises in the Mohave population. Active in spring and during the monsoon; dormant in winter and mid-summer months.	Cochise, Gila, Graham, La Paz, Maricopa, Mohave, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 7,800 ft	Primarily rocky (often steep) hillsides and bajadas of Mohave and Sonoran deserts but may encroach into desert grassland, juniper woodland, interior chaparral habitats, and even pine communities. Washes and valley bottoms may be used in dispersal.	Desert tortoises that occur east and south of the Colorado River in Arizona are known as the Sonoran desert tortoise. Individuals are found throughout their historic range; but populations are becoming increasingly fragmented due to threats to their habitat in valley bottoms, which are used for dispersal and exchange of genetic material.
Sprague's pipit	<i>Anthus spragueii</i>	Candidate	Small, sparrow-sized bird (10-15 cm in length), with buff and blackish streaking on the crown, nape, and underparts. Has a short bill with a blackish upper mandible, a buffy face with a large eye ring, white outer tail feathers and pale to yellowish legs.	Cochise, Maricopa, La Paz, Santa Cruz, Yuma	<5,000 ft	Strong preference to native grasslands with vegetation of intermediate height and lacking woody shrubs.	Rare in Arizona. Few individuals of this elusive species have been sighted during October through March. Native grass fields are rare in Arizona but cultivated, dry Bermuda grass, alfalfa fields mixed with patches of dry grass, or fallow fields appear to support the species during wintering. They will not use mowed or burned areas until the vegetation has had a chance to grow. There are no breeding records in Arizona.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	Candidate	Medium-sized bird with a slender, long-tailed profile, slightly down-curved bill that is blue-black with yellow on the lower half. Plumage is grayish-brown above and white below, with rufous primary flight feathers.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 6,500 ft	Large blocks of riparian woodlands (cottonwood, willow, or tamarisk galleries).	Neotropical migrant that winters primarily in South America and breeds primarily in the U.S. (but also in southern Canada and northern Mexico). As a migrant it is rarely detected; can occur outside of riparian areas. Cuckoos are found nesting statewide, mostly below 5,000 feet in central, western, and southeastern Arizona. Concern for cuckoos are primarily focused upon alterations to its nesting and foraging habitat. Nesting cuckoos are associated with relatively dense, wooded, streamside riparian habitat, with varying combinations of Fremont cottonwood, willow, velvet ash, Arizona walnut, mesquite, and tamarisk. Some cuckoos have also been detected nesting in velvet mesquite, netleaf hackberry, Arizona sycamore, Arizona alder, and some exotic neighborhood shade trees.
American peregrine falcon	<i>Falco peregrinus anatum</i>	Delisted	A crow-sized falcon with slate blue-gray on the back and wings, and white on the underside; a black head with vertical "bandit's mask" pattern over the eyes; long pointed wings; and a long wailing call made during breeding. Very adept flyers and hunters, reaching diving speeds of 200 mph.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	3,500-9,000 ft	Areas with rocky, steep cliffs, primarily near water, where prey (primarily shorebirds, songbirds, and waterfowl) concentrations are high. Nests are found on ledges of cliffs, and sometimes on man-made structures such as office towers and bridge abutments.	Species recovered with over 1,650 breeding birds in the US and Canada.

Gila County

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Apache (Arizona) trout	<i>Oncorhynchus gilae apache</i>	Threatened	Yellowish to yellow-olive cutthroat-like trout with large dark spots on body. Dorsal, anal, and caudal fins edged with white. No red lateral band.	Apache, Coconino, Gila, Graham, Greenlee, Navajo	> 5,000 ft	Streams and rivers generally above 6,000 ft. elevation with adequate stream flow and shading; temperatures below 77 degrees F; and substrate composed of boulders, rocks, gravel and some sand and silt.	Presently restricted to drainages in the White Mountains. Hybridization with introduced trout has complicated efforts to maintain the genetic purity of some populations. Special regulations (4d Rule) allow Arizona to manage the species as a sport fish (40 FR 29863).
Arizona hedgehog cactus	<i>Echinocereus triglochidiatus var. arizonicus</i>	Endangered	Dark green cylindroid stem, 2.5-12 inches tall, 2-10 inches in diameter. Occurs singly or in clusters. Has 1-3 gray or pinkish central spines, the largest deflexed, and 5-11 radial spines. Flower are brilliant red along side of stem.	Gila, Pinal	3,200-5,200 ft	Ecotone between interior chaparral and madrean evergreen woodland.	Open slopes, in narrow cracks between boulders, and in understory of shrubs. Additional genetic studies have determined that the species does not occur outside of the type locality.
Chiricahua leopard frog	<i>Lithobates chiricahuensis</i>	Threatened	Cream colored tubercles (spots) on a dark background on the rear of the thigh, dorsolateral folds that are interrupted and deflected medially, and a call given out of water distinguish this spotted frog from other leopard frogs.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Navajo, Pima, Santa Cruz, Yavapai	3,281-8,890 ft	Restricted to springs, livestock tanks, and streams in upper portion of watersheds that are free from nonnative predators or where marginal habitat for nonnative predators exists.	Critical habitat is designated for 10,346 acres in Apache, Cochise, Gila, Graham, Greenlee, Pima, Santa Cruz, and Yavapai counties in Arizona; and Catron, Hidalgo, Grant, Sierra, and Socorro counties in New Mexico (77 FR 16324).
Colorado pikeminnow	<i>Ptychocheilus lucius</i>	Endangered	Largest American minnow (up to 6 feet and 80 lbs) dusky-green, slender body with gold flecks on the dorsal surface. Head long and slender.	Gila, Yavapai	< 4,000 ft	Warm, swift, turbid mainstem rivers. Prefers eddies and pools.	Experimental non-essential population (treated as proposed threatened species) (52 FR 32143). No critical habitat in Arizona.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Gila chub	<i>Gila intermedia</i>	Endangered	Deep compressed body, flat head. Dark olive-gray color above, silver sides. Endemic to Gila River Basin.	Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, Yavapai	2,000-5,500 ft	Pools, springs, cienegas, and streams.	Occurs on Federal, State, and private lands, including the Nature Conservancy and the Audubon Society. Also occurs in Sonora, Mexico. Critical habitat includes Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, and Yavapai counties (70 FR 66664).
Gila topminnow	<i>Poeciliopsis occidentalis occidentalis</i>	Endangered	Small (2 inches), guppy-like, live bearing, lacks dark spots on its fins. Breeding males are jet black with yellow fins.	Cochise, Gila, Graham, La Paz, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,500 ft	Small streams, springs, and cienegas vegetated shallows.	Species historically also occurred in backwaters of large rivers but is currently isolated to small streams and springs.
Lesser long-nosed bat	<i>Leptonycteris curasoae yerbabuena</i>	Endangered	Elongated muzzle, small leaf nose, and long tongue. Yellowish brown or gray above and cinnamon brown below. Tail minute and appears to be lacking. Easily disturbed.	Cochise, Gila, Graham, Greenlee, Maricopa, Pima, Pinal, Santa Cruz, Yuma	1,600-7,500 ft	Desert scrub habitat with agave and columnar cacti present as food plants.	Day roosts in caves and abandoned tunnels. Forages at night on nectar, pollen, and fruit of paniculate agaves and columnar cacti. This species is migratory and is present in Arizona usually from April to September and south of the border the remainder of the year.
Loach minnow	<i>Tiaroga cobitis</i>	Endangered	Small (<3 inches) slender, elongated fish, olive colored with dirty white spots at the base of the dorsal and caudal fins. Breeding males vivid red on mouth and base of fins.	Apache, Cochise, Gila, Graham, Greenlee, Navajo, Pinal, Yavapai	< 8,000 ft	Benthic species of small to large perennial streams with swift shallow water over cobble and gravel. Recurrent flooding and natural hydrograph important.	Presently found in Aravaipa Creek, Deer Creek, Turkey Creek, Blue River, Campbell Blue Creek, Little Blue Creek, San Francisco River, Eagle Creek, North Fork of the East Fork Black River, Boneyard Creek, and White River and East Fork White River in Arizona, and Dry Blue Creek, Pace Creek, Frieborn Creek, the San Francisco River, Tularosa River, Negrito Creek, Whitewater Creek, the East, Middle, and West Forks of the Gila River, mainstem upper Gila River. Bear Creek and Mangas Creek in New Mexico. Populations have been recently reintroduced in Hot Springs and Redfield canyons in Cochise and Graham counties; Fossil Creek in Gila County; and Bonita Creek in Graham County Arizona. Critical habitat has been designated in Apache, Cochise, Gila, Graham, Greenlee, Pinal, and Yavapai counties, Arizona, as well as in Catron, Grant, and Hidalgo counties in New Mexico (77 FR 10810).

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Mexican gray wolf	<i>Canis lupus baileyi</i>	Endangered	Large dog-like carnivore. Head and feet are large in proportion to rest of body. Coat color varies with mix of brown, rust, black, gray, and white. Distinct white lip line around mouth. Adults weigh between 60-90 pounds.	Apache, Gila, Greenlee, Navajo	4,000-12,000 ft	Chaparral, woodland, and forested areas. May cross desert areas.	In January 1998, Mexican gray wolves were reintroduced as an experimental nonessential section 10(j) population under a program to re-establish the subspecies to a portion of its historical range (63 FR 1752). Wolves are released within the experimental boundary into a designated area known as the "Blue Range Wolf Recovery Area" (BRWRA) located in the Apache National Forest in Apache and Greenlee counties. Mexican gray wolves found outside of the experimental nonessential boundary are considered endangered. In 2002, the White Mountain Apache tribe (WMAT) became one of the lead agencies for the reintroduction and allowed wolves on their lands. This effectively expanded the experimental nonessential population into Apache, Gila, and Navajo counties on WMAT lands.
Mexican spotted owl	<i>Strix occidentalis lucida</i>	Threatened	Medium sized with dark eyes and no ear tufts. Brownish and heavily spotted with white or beige.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai	4,100-9,000 ft	Nests in canyons and dense forests with multi-layered foliage structure.	Generally nest in older forests of mixed conifer or ponderosa pine/gambel oak type, in canyons, and use variety of habitats for foraging. Sites with cool microclimates appear to be of importance or are preferred. Critical habitat was finalized on August 31, 2004 (69 FR 53182) in Arizona in Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Navajo, Pima, Pinal, Santa Cruz, and Yavapai counties.
Ocelot	<i>Leopardus pardalis</i>	Endangered	Medium-sized spotted cat that is yellowish with black streaks and stripes running from front to back. Tail is spotted and about 1/2 the length of head and body. Face is less heavily streaked than the back and sides.	Cochise, Gila, Graham, Pima, Pinal, Santa Cruz	< 8,000 ft	Desert scrub in Arizona. Humid tropical and sub-tropical forests, and savannahs in areas south of the U.S.	Little is known about ocelot habitat use in Arizona; however, ocelots are typically associated with areas of dense cover. Four confirmed reports of ocelots have been received from Gila (one) and Cochise (three) counties since 2009. Based on photographic evidence, two of the reports from Cochise County were most likely of the same ocelot.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Razorback sucker	<i>Xyrauchen texanus</i>	Endangered	Large, up to 3 feet long and up to 6 lbs, high sharp-edged keel-like hump behind the head. Head flattened on top. Olive-brown above to yellowish below.	Coconino, Gila, Graham, Maricopa, Mohave, Pinal, Yavapai, Yuma	< 6,000 ft	Riverine and lacustrine areas, generally not in fast moving water and may use backwaters.	Big River fish also found in Horseshoe reservoir (Maricopa County). Critical habitat includes the 100-year floodplain of the river through the Grand Canyon from confluence with Paria River to Hoover Dam; Hoover Dam to Davis Dam; Parker Dam to Imperial Dam. Also Gila River from Arizona/New Mexico border to Coolidge Dam; and Salt River from Hwy 60/SR77 Bridge to Roosevelt Dam; Verde River from FS boundary to Horseshoe Lake (59 FR 13374).
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	Endangered	Small passerine (about 6 inches) grayish-green back and wings, whitish throat, light olive-gray breast and pale yellowish belly. Two wingbars visible. Eye-ring faint or absent.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 8,500 ft	Cottonwood/willow and tamarisk vegetation communities along rivers and streams.	Riparian-obligate bird that occupies migratory/breeding habitat from late April-Sept. Critical habitat was finalized on October 19, 2005 in Apache, Cochise, Gila, Graham, Greenlee, Maricopa, Mohave, Pima, Pinal, and Yavapai counties (70 FR 60886). Revised critical habitat was proposed August 15, 2011 (76 FR 50542) and includes river segments in counties currently designated plus those in La Paz, Santa Cruz, and Yuma counties. The 2005 critical habitat designation remains in effect until the current proposal is finalized. Training seminar/permits required for those conducting call playback surveys.
Spikedace	<i>Meda fulgida</i>	Endangered	Small (<3 inches) slim fish with silvery sides and "spine" on dorsal fin. Breeding males are a brassy golden color.	Cochise, Gila, Graham, Greenlee, Pinal, Yavapai	< 6,000 ft	Medium to large perennial streams with moderate to swift velocity waters over cobble and gravel substrate. Recurrent flooding and natural hydrograph important to withstand invading exotic species.	Presently found in Aravaipa Creek, Eagle Creek, and the Verde River in Arizona, and the Gila River, the East, Middle, and West Forks of the Gila River, and Mangas Creek in New Mexico. Populations have been recently reintroduced in Hot Springs and Redfield canyons in Cochise and Graham counties; Fossil Creek in Gila County; and Bonita Creek in Graham County Arizona, and in the San Francisco River in Catron County, New Mexico. Critical habitat (77 FR 10810) has been designated in Cochise, Gila, Graham, Greenlee, Pinal, and Yavapai counties in Arizona, and in Catron, Grant, and Hidalgo counties in New Mexico.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Yuma clapper rail	<i>Rallus longirostris yumanensis</i>	Endangered	Water bird with long legs and short tail. Long, slender decurved bill. Mottled brown or gray on its rump. Flanks and undersides are dark gray with narrow vertical stripes producing a barring effect.	Gila, La Paz, Maricopa, Mohave, Pinal, Yuma	< 4,500 ft	Fresh water and brackish marshes.	Species is associated with dense emergent riparian vegetation. Requires wet substrate (mudflat, sandbar) with dense herbaceous or woody vegetation for nesting and foraging. Channelization and marsh destruction are primary sources of habitat loss.
Headwater chub	<i>Gila nigra</i>	Candidate	Streamlined, dark gray to brown fish, often with longitudinal stripes on the sides. Adults reach a maximum size of about 12 inches.	Gila, Graham, Yavapai	3,000-6,700 ft	Medium-sized streams in large, deep pools often associated with cover such as undercut banks or deep places created by trees or rocks.	Occurs in the East Verde River and tributaries, Fossil Creek, Wet Bottom Creek, Deadman Creek, Tonto Creek and tributaries, San Carlos River, Ash Creek, and the upper Gila River in New Mexico. Statewide Conservation Agreement with Arizona Game and Fish was signed on December 2003.
Northern Mexican Gartersnake	<i>Thamnophis eques megalops</i>	Candidate	Background color ranges from olive, olive-brown, to olive-gray. Body has three yellow or light colored stripes running down the length of the body, darker towards tail. Species distinguished from other native gartersnakes by the lateral stripes reaching the 3rd and 4th scale rows. Paired black spots extend along dorsolateral fields.	Apache, Cochise, Coconino, Gila, Graham, Navajo, Pima, Pinal, Santa Cruz, Yavapai	130-8,500 ft	Cienegas, stock tanks, large-river riparian woodlands and forests, streamside gallery forests.	Core population areas in the U.S. include mid/upper Verde River drainage, mid/lower Tonto Creek, and the San Rafael Valley and surrounding area. Status on tribal lands unknown. Distributed south into Mexico along the Sierra Madre Occidental and Mexican Plateau. Strongly associated with the presence of a native prey base including leopard frogs and native fish.
Roundtail chub	<i>Gila robusta</i>	Candidate	Member of the minnow family Cyprinidae and characterized by streamlined body shape. Color usually olive gray with silvery sides and a white belly. Breeding males develop red or orange coloration on the lower half of the cheeks and on the bases of paired fins. Individuals may reach 49.0 cm (19.3 in) but usually average 25-30 cm (9.8 - 11.8 in).	Apache, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pinal, Yavapai	1,000-7,500 ft.	Cool to warm waters of rivers and streams, often occupy the deepest pools and eddies of large streams.	Historical range of roundtail chub included both the upper and lower Colorado River basins. A 2009 status review determined that the lower Colorado River basin roundtail chub population segment (Arizona and New Mexico) qualifies as a distinct vertebrate population segment (DPS). Populations in the Little Colorado, Bill Williams, and Gila River basins are considered candidate species.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Sonoran desert tortoise	<i>Gopherus morafkai</i>	Candidate	Large herbivorous reptile with domed shell and round stumpy hind legs. The carapace is a dull brown or grey color and the plastron is unhinged, often pale yellow in coloration. Sonoran desert tortoises generally have a flatter carapace than tortoises in the Mohave population. Active in spring and during the monsoon; dormant in winter and mid-summer months.	Cochise, Gila, Graham, La Paz, Maricopa, Mohave, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 7,800 ft	Primarily rocky (often steep) hillsides and bajadas of Mohave and Sonoran deserts but may encroach into desert grassland, juniper woodland, interior chaparral habitats, and even pine communities. Washes and valley bottoms may be used in dispersal.	Desert tortoises that occur east and south of the Colorado River in Arizona are known as the Sonoran desert tortoise. Individuals are found throughout their historic range; but populations are becoming increasingly fragmented due to threats to their habitat in valley bottoms, which are used for dispersal and exchange of genetic material.
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	Candidate	Medium-sized bird with a slender, long-tailed profile, slightly down-curved bill that is blue-black with yellow on the lower half. Plumage is grayish-brown above and white below, with rufous primary flight feathers.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 6,500 ft	Large blocks of riparian woodlands (cottonwood, willow, or tamarisk galleries).	Neotropical migrant that winters primarily in South America and breeds primarily in the U.S. (but also in southern Canada and northern Mexico). As a migrant it is rarely detected; can occur outside of riparian areas. Cuckoos are found nesting statewide, mostly below 5,000 feet in central, western, and southeastern Arizona. Concern for cuckoos are primarily focused upon alterations to its nesting and foraging habitat. Nesting cuckoos are associated with relatively dense, wooded, streamside riparian habitat, with varying combinations of Fremont cottonwood, willow, velvet ash, Arizona walnut, mesquite, and tamarisk. Some cuckoos have also been detected nesting in velvet mesquite, netleaf hackberry, Arizona sycamore, Arizona alder, and some exotic neighborhood shade trees.
Arizona bugbane	<i>Cimicifuga arizonica</i>	Conservation Agreement	Herbaceous perennial plant in the buttercup family, grows 6-7 feet tall. Small, white petal-less flowers appear between July-August. Fruit is a follicle that splits open on one side as it dries.	Coconino, Gila	5,300-8,300 ft	Areas of deep shade and moist, loamy soils with high humus content, and high humidity; typically along the bottoms and lower slopes of steep narrow canyons.	Occurs within mixed conifer and high elevation riparian deciduous forests near perennial or intermittent streams or seeps. All known populations are found in the Coconino, Kaibab, and Tonto National Forests. A Conservation Agreement was signed in June 1999.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
American peregrine falcon	<i>Falco peregrinus anatum</i>	Delisted	A crow-sized falcon with slate blue-gray on the back and wings, and white on the underside; a black head with vertical "bandit's mask" pattern over the eyes; long pointed wings; and a long wailing call made during breeding. Very adept flyers and hunters, reaching diving speeds of 200 mph.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	3,500-9,000 ft	Areas with rocky, steep cliffs, primarily near water, where prey (primarily shorebirds, songbirds, and waterfowl) concentrations are high. Nests are found on ledges of cliffs, and sometimes on man-made structures such as office towers and bridge abutments.	Species recovered with over 1,650 breeding birds in the US and Canada.
Arizona agave	<i>Agave arizonica</i>	Delisted	Member of the agave family. Has rosettes of bright green leaves, 17-24cm long and 2-4cm wide, broadest in the middle. Flowers are small, pale yellow, and jar shaped.	Gila, Maricopa, Yavapai	3,600-5,800 ft	Occurs on open slopes in chaparral or juniper grasslands. Prefers shallow, cobbled, and gravelly soils on steep slopes.	Arizona agave is a hybrid produced by a crossing of two other common agave species (<i>A. chrysantha</i> x <i>A. toumeyana</i> ssp. <i>toumeyana</i>).
Bald eagle	<i>Haliaeetus leucocephalus</i>	Delisted	Large, adults have white head and tail. Height 28 to 38 inches; wingspan 66 to 96 inches. Juveniles and subadults are dark brown with varying degrees of white mottling on chest, wings, and head.	Apache, Coconino, Gila, Graham, La Paz, Maricopa, Mohave, Pinal, and Yavapai	Varies	Large trees or cliffs near water (reservoirs, rivers, and streams) with abundant prey.	Nationwide and throughout the State of Arizona, the bald eagle is currently not listed under the Endangered Species Act. On September 30, 2010, the U.S. District Court dissolved an injunction that led to the bald eagle in the Sonoran Desert Area of central Arizona being placed on the Endangered Species list in 2008. This determination is presently (January 2011) under judicial consideration. Bald eagles are protected under the Bald and Golden Eagle Protection Act (Eagle Act) and other Federal and state statutes. The word "disturb" under the Eagle Act was recently clarified, as well as the implementation of new regulations requiring permits to incidentally "take" eagles. Retrieve more information on management and life history at http://SWBEMC.org .

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
California brown pelican	<i>Pelecanus occidentalis californicus</i>	Delisted	Large, dark gray-brown water bird with webbed feet, pouch underneath its long bill, and wingspan of 7 ft. Adults have a white head and neck, brownish black breast, and silver gray upper parts.	Gila, La Paz, Maricopa, Mohave, Pinal, Yuma	Varies	Coastal land and islands; species found occasionally around Arizona's lakes and rivers.	Considered an uncommon transient in Arizona. Most observations recorded along the Colorado River and in the Gila Valley. Individuals known to wander up from Mexico in summer and fall. No breeding has been documented in Arizona. Delisted on November 17, 2009 (74 FR 59444).

Graham County

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Apache (Arizona) trout	<i>Oncorhynchus gilae apache</i>	Threatened	Yellowish to yellow-olive cutthroat-like trout with large dark spots on body. Dorsal, anal, and caudal fins edged with white. No red lateral band.	Apache, Coconino, Gila, Graham, Greenlee, Navajo	> 5,000 ft	Streams and rivers generally above 6,000 ft. elevation with adequate stream flow and shading; temperatures below 77 degrees F; and substrate composed of boulders, rocks, gravel and some sand and silt.	Presently restricted to drainages in the White Mountains. Hybridization with introduced trout has complicated efforts to maintain the genetic purity of some populations. Special regulations (4d Rule) allow Arizona to manage the species as a sport fish (40 FR 29863).
Arizona cliffrose	<i>Purshia subintegra</i>	Endangered	Evergreen shrub of the rose family (Roseaceae). Bark pale gray and shreddy. Young twigs covered with dense hairs. Leaves have 1-5 lobes and edges curl downward (revolute). Flowers: 5 petals, white or yellow <0.5 inches long.	Graham, Maricopa, Mohave, Yavapai	< 4,000 ft	White limestone soils derived from tertiary lakebed deposits.	Occurs across central Arizona: in the Burro Creek drainage, near Bylas, near Cottonwood in the Verde Valley, and at Horseshoe Lake.
Chiricahua leopard frog	<i>Lithobates chiricahuensis</i>	Threatened	Cream colored tubercles (spots) on a dark background on the rear of the thigh, dorsolateral folds that are interrupted and deflected medially, and a call given out of water distinguish this spotted frog from other leopard frogs.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Navajo, Pima, Santa Cruz, Yavapai	3,281-8,890 ft	Restricted to springs, livestock tanks, and streams in upper portion of watersheds that are free from nonnative predators or where marginal habitat for nonnative predators exists.	Critical habitat is designated for 10,346 acres in Apache, Cochise, Gila, Graham, Greenlee, Pima, Santa Cruz, and Yavapai counties in Arizona; and Catron, Hidalgo, Grant, Sierra, and Socorro counties in New Mexico (77 FR 16324).
Desert pupfish	<i>Cyprinodon macularius</i>	Endangered	Small (2 inches) smoothly rounded body shape with narrow vertical bars on the sides. Breeding males blue on head and sides with yellow on tail. Females and juveniles tan to olive colored back and silvery sides.	Cochise, Graham, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,000 ft	Shallow springs, small streams, and marshes. Tolerates saline and warm water.	Two subspecies are recognized: Desert Pupfish (<i>C.m. macularis</i>) and Quitobaquito Pupfish (<i>C.m. eremus</i>). Critical habitat includes Quitobaquito Springs, Pima County, portions of San Felipe Creek, Carrizo Wash, and Fish Creek Wash, Imperial County, California.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Gila chub	<i>Gila intermedia</i>	Endangered	Deep compressed body, flat head. Dark olive-gray color above, silver sides. Endemic to Gila River Basin.	Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, Yavapai	2,000-5,500 ft	Pools, springs, cienegas, and streams.	Occurs on Federal, State, and private lands, including the Nature Conservancy and the Audubon Society. Also occurs in Sonora, Mexico. Critical habitat includes Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, and Yavapai counties (70 FR 66664).
Gila topminnow	<i>Poeciliopsis occidentalis occidentalis</i>	Endangered	Small (2 inches), guppy-like, live bearing, lacks dark spots on its fins. Breeding males are jet black with yellow fins.	Cochise, Gila, Graham, La Paz, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,500 ft	Small streams, springs, and cienegas vegetated shallows.	Species historically also occurred in backwaters of large rivers but is currently isolated to small streams and springs.
Lesser long-nosed bat	<i>Leptonycteris curasoae yerbabuena</i>	Endangered	Elongated muzzle, small leaf nose, and long tongue. Yellowish brown or gray above and cinnamon brown below. Tail minute and appears to be lacking. Easily disturbed.	Cochise, Gila, Graham, Greenlee, Maricopa, Pima, Pinal, Santa Cruz, Yuma	1,600-7,500 ft	Desert scrub habitat with agave and columnar cacti present as food plants.	Day roosts in caves and abandoned tunnels. Forages at night on nectar, pollen, and fruit of paniculate agaves and columnar cacti. This species is migratory and is present in Arizona usually from April to September and south of the border the remainder of the year.
Loach minnow	<i>Tiaroga cobitis</i>	Endangered	Small (<3 inches) slender, elongated fish, olive colored with dirty white spots at the base of the dorsal and caudal fins. Breeding males vivid red on mouth and base of fins.	Apache, Cochise, Gila, Graham, Greenlee, Navajo, Pinal, Yavapai	< 8,000 ft	Benthic species of small to large perennial streams with swift shallow water over cobble and gravel. Recurrent flooding and natural hydrograph important.	Presently found in Aravaipa Creek, Deer Creek, Turkey Creek, Blue River, Campbell Blue Creek, Little Blue Creek, San Francisco River, Eagle Creek, North Fork of the East Fork Black River, Boneyard Creek, and White River and East Fork White River in Arizona, and Dry Blue Creek, Pace Creek, Frieborn Creek, the San Francisco River, Tularosa River, Negrito Creek, Whitewater Creek, the East, Middle, and West Forks of the Gila River, mainstem upper Gila River. Bear Creek and Mangas Creek in New Mexico. Populations have been recently reintroduced in Hot Springs and Redfield canyons in Cochise and Graham counties; Fossil Creek in Gila County; and Bonita Creek in Graham County Arizona. Critical habitat has been designated in Apache, Cochise, Gila, Graham, Greenlee, Pinal, and Yavapai counties, Arizona, as well as in Catron, Grant, and Hidalgo counties in New Mexico (77 FR 10810).

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Mexican spotted owl	<i>Strix occidentalis lucida</i>	Threatened	Medium sized with dark eyes and no ear tufts. Brownish and heavily spotted with white or beige.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai	4,100-9,000 ft	Nests in canyons and dense forests with multi-layered foliage structure.	Generally nest in older forests of mixed conifer or ponderosa pine/gambel oak type, in canyons, and use variety of habitats for foraging. Sites with cool microclimates appear to be of importance or are preferred. Critical habitat was finalized on August 31, 2004 (69 FR 53182) in Arizona in Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Navajo, Pima, Pinal, Santa Cruz, and Yavapai counties.
Mount Graham red squirrel	<i>Tamiasciurus hudsonicus grahamensis</i>	Endangered	Grayish-brown tree squirrel, tinged rusty or yellowish along back. Summer-dark lateral line separates the light-colored underparts from the grayer sides. Ears are slightly tufted in the winter and the tail is bushy.	Graham	> 8,000 ft	Montane conifer forests from spruce-fir to mixed conifer.	Distribution limited to higher elevation spruce-fir and old growth Douglas-fir forests in the Pinaleno Mountains. Diet primarily conifer seeds. Critical habitat has been designated for this species (55 FR 425).
Ocelot	<i>Leopardus pardalis</i>	Endangered	Medium-sized spotted cat that is yellowish with black streaks and stripes running from front to back. Tail is spotted and about 1/2 the length of head and body. Face is less heavily streaked than the back and sides.	Cochise, Gila, Graham, Pima, Pinal, Santa Cruz	< 8,000 ft	Desert scrub in Arizona. Humid tropical and sub-tropical forests, and savannahs in areas south of the U.S.	Little is known about ocelot habitat use in Arizona; however, ocelots are typically associated with areas of dense cover. Four confirmed reports of ocelots have been received from Gila (one) and Cochise (three) counties since 2009. Based on photographic evidence, two of the reports from Cochise County were most likely of the same ocelot.
Razorback sucker	<i>Xyrauchen texanus</i>	Endangered	Large, up to 3 feet long and up to 6 lbs, high sharp-edged keel-like hump behind the head. Head flattened on top. Olive-brown above to yellowish below.	Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Pinal, Yavapai, Yuma	< 6,000 ft	Riverine and lacustrine areas, generally not in fast moving water and may use backwaters.	Big River fish also found in Horseshoe reservoir (Maricopa County). Critical habitat includes the 100-year floodplain of the river through the Grand Canyon from confluence with Paria River to Hoover Dam; Hoover Dam to Davis Dam; Parker Dam to Imperial Dam. Also Gila River from Arizona/New Mexico border to Coolidge Dam; and Salt River from Hwy 60/SR77 Bridge to Roosevelt Dam; Verde River from FS boundary to Horseshoe Lake (59 FR 13374).

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	Endangered	Small passerine (about 6 inches) grayish-green back and wings, whitish throat, light olive-gray breast and pale yellowish belly. Two wingbars visible. Eye-ring faint or absent.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 8,500 ft	Cottonwood/willow and tamarisk vegetation communities along rivers and streams.	Riparian-obligate bird that occupies migratory/breeding habitat from late April-Sept. Critical habitat was finalized on October 19, 2005 in Apache, Cochise, Gila, Graham, Greenlee, Maricopa, Mohave, Pima, Pinal, and Yavapai counties (70 FR 60886). Revised critical habitat was proposed August 15, 2011 (76 FR 50542) and includes river segments in counties currently designated plus those in La Paz, Santa Cruz, and Yuma counties. The 2005 critical habitat designation remains in effect until the current proposal is finalized. Training seminar/permits required for those conducting call playback surveys.
Spikedace	<i>Meda fulgida</i>	Endangered	Small (<3 inches) slim fish with silvery sides and "spine" on dorsal fin. Breeding males are a brassy golden color.	Cochise, Gila, Graham, Greenlee, Pinal, Yavapai	< 6,000 ft	Medium to large perennial streams with moderate to swift velocity waters over cobble and gravel substrate. Recurrent flooding and natural hydrograph important to withstand invading exotic species.	Presently found in Aravaipa Creek, Eagle Creek, and the Verde River in Arizona, and the Gila River, the East, Middle, and West Forks of the Gila River, and Mangas Creek in New Mexico. Populations have been recently reintroduced in Hot Springs and Redfield canyons in Cochise and Graham counties; Fossil Creek in Gila County; and Bonita Creek in Graham County Arizona, and in the San Francisco River in Catron County, New Mexico. Critical habitat (77 FR 10810) has been designated in Cochise, Gila, Graham, Greenlee, Pinal, and Yavapai counties in Arizona, and in Catron, Grant, and Hidalgo counties in New Mexico.
Headwater chub	<i>Gila nigra</i>	Candidate	Streamlined, dark gray to brown fish, often with longitudinal stripes on the sides. Adults reach a maximum size of about 12 inches.	Gila, Graham, Yavapai	3,000-6,700 ft	Medium-sized streams in large, deep pools often associated with cover such as undercut banks or deep places created by trees or rocks.	Occurs in the East Verde River and tributaries, Fossil Creek, Wet Bottom Creek, Deadman Creek, Tonto Creek and tributaries, San Carlos River, Ash Creek, and the upper Gila River in New Mexico. Statewide Conservation Agreement with Arizona Game and Fish was signed on December 2003.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Northern Mexican Gartersnake	<i>Thamnophis eques megalops</i>	Candidate	Background color ranges from olive, olive-brown, to olive-gray. Body has three yellow or light colored stripes running down the length of the body, darker towards tail. Species distinguished from other native gartersnakes by the lateral stripes reaching the 3rd and 4th scale rows. Paired black spots extend along dorsolateral fields.	Apache, Cochise, Coconino, Gila, Graham, Navajo, Pima, Pinal, Santa Cruz, Yavapai	130-8,500 ft	Cienegas, stock tanks, large-river riparian woodlands and forests, streamside gallery forests.	Core population areas in the U.S. include mid/upper Verde River drainage, mid/lower Tonto Creek, and the San Rafael Valley and surrounding area. Status on tribal lands unknown. Distributed south into Mexico along the Sierra Madre Occidental and Mexican Plateau. Strongly associated with the presence of a native prey base including leopard frogs and native fish.
Roundtail chub	<i>Gila robusta</i>	Candidate	Member of the minnow family Cyprinidae and characterized by streamlined body shape. Color usually olive gray with silvery sides and a white belly. Breeding males develop red or orange coloration on the lower half of the cheeks and on the bases of paired fins. Individuals may reach 49.0 cm (19.3 in) but usually average 25-30 cm (9.8 - 11.8 in).	Apache, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pinal, Yavapai	1,000-7,500 ft.	Cool to warm waters of rivers and streams, often occupy the deepest pools and eddies of large streams.	Historical range of roundtail chub included both the upper and lower Colorado River basins. A 2009 status review determined that the lower Colorado River basin roundtail chub population segment (Arizona and New Mexico) qualifies as a distinct vertebrate population segment (DPS). Populations in the Little Colorado, Bill Williams, and Gila River basins are considered candidate species.
Sonoran desert tortoise	<i>Gopherus morafkai</i>	Candidate	Large herbivorous reptile with domed shell and round stumpy hind legs. The carapace is a dull brown or grey color and the plastron is unhinged, often pale yellow in coloration. Sonoran desert tortoises generally have a flatter carapace than tortoises in the Mohave population. Active in spring and during the monsoon; dormant in winter and mid-summer months.	Cochise, Gila, Graham, La Paz, Maricopa, Mohave, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 7,800 ft	Primarily rocky (often steep) hillsides and bajadas of Mohave and Sonoran desertscrub but may encroach into desert grassland, juniper woodland, interior chaparral habitats, and even pine communities. Washes and valley bottoms may be used in dispersal.	Desert tortoises that occur east and south of the Colorado River in Arizona are known as the Sonoran desert tortoise. Individuals are found throughout their historic range; but populations are becoming increasingly fragmented due to threats to their habitat in valley bottoms, which are used for dispersal and exchange of genetic material.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	Candidate	Medium-sized bird with a slender, long-tailed profile, slightly down-curved bill that is blue-black with yellow on the lower half. Plumage is grayish-brown above and white below, with rufous primary flight feathers.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 6,500 ft	Large blocks of riparian woodlands (cottonwood, willow, or tamarisk galleries).	Neotropical migrant that winters primarily in South America and breeds primarily in the U.S. (but also in southern Canada and northern Mexico). As a migrant it is rarely detected; can occur outside of riparian areas. Cuckoos are found nesting statewide, mostly below 5,000 feet in central, western, and southeastern Arizona. Concern for cuckoos are primarily focused upon alterations to its nesting and foraging habitat. Nesting cuckoos are associated with relatively dense, wooded, streamside riparian habitat, with varying combinations of Fremont cottonwood, willow, velvet ash, Arizona walnut, mesquite, and tamarisk. Some cuckoos have also been detected nesting in velvet mesquite, netleaf hackberry, Arizona sycamore, Arizona alder, and some exotic neighborhood shade trees.
Wet Canyon talussnail	<i>Sonorella macrophallus</i>	Conservation Agreement	Very small (<1 inch in diameter) land snail; globose shell light with 4.5 whorls. Brown stripe encircles outside perimeter of shell.	Graham	6,050-6,900 ft	Talus slopes in heavily vegetated area of Wet Canyon (Pinaleno Mountains).	Talus must be deep and largely free of excess sedimentation with stable moisture conditions. This species cannot be distinguished from other <i>Sonorella</i> species without dissection.
American peregrine falcon	<i>Falco peregrinus anatum</i>	Delisted	A crow-sized falcon with slate blue-gray on the back and wings, and white on the underside; a black head with vertical "bandit's mask" pattern over the eyes; long pointed wings; and a long wailing call made during breeding. Very adept flyers and hunters, reaching diving speeds of 200 mph.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	3,500-9,000 ft	Areas with rocky, steep cliffs, primarily near water, where prey (primarily shorebirds, songbirds, and waterfowl) concentrations are high. Nests are found on ledges of cliffs, and sometimes on man-made structures such as office towers and bridge abutments.	Species recovered with over 1,650 breeding birds in the US and Canada.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Bald eagle	<i>Haliaeetus leucocephalus</i>	Delisted	Large, adults have white head and tail. Height 28 to 38 inches; wingspan 66 to 96 inches. Juveniles and subadults are dark brown with varying degrees of white mottling on chest, wings, and head.	Apache, Coconino, Gila, Graham, La Paz, Maricopa, Mohave, Pinal, and Yavapai	Varies	Large trees or cliffs near water (reservoirs, rivers, and streams) with abundant prey.	Nationwide and throughout the State of Arizona, the bald eagle is currently not listed under the Endangered Species Act. On September 30, 2010, the U.S. District Court dissolved an injunction that led to the bald eagle in the Sonoran Desert Area of central Arizona being placed on the Endangered Species list in 2008. This determination is presently (January 2011) under judicial consideration. Bald eagles are protected under the Bald and Golden Eagle Protection Act (Eagle Act) and other Federal and state statutes. The word "disturb" under the Eagle Act was recently clarified, as well as the implementation of new regulations requiring permits to incidentally "take" eagles. Retrieve more information on management and life history at http://SWBEMC.org .

Pima County

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Acuna cactus	<i>Echinomastus erectocentrus</i> var. <i>acunensis</i>	Proposed Endangered	Less than 12 inches tall; spine clusters borne on tubercles, each with a groove on the upper surface. 2-3 central spines and 12 radial spines. Radial spines are dirty white with maroon tips. Flowers pink to purple.	Maricopa, Pima, Pinal	1,198 to 3,773 ft	Well drained knolls and gravel ridges in Sonoran desertscrub.	Immature plants distinctly different from mature plants. Immatures are disc-shaped or spherical and have no central spines until they are about 1.5 inches. Critical habitat is being proposed for a total of 53,720 ac in Maricopa, Pima, and Pinal counties (77 FR 60510).
California Least Tern	<i>Sterna antillarum browni</i>	Endangered	Smallest of the North American terns. Body length is 21-24 cm (8-9 inches) with a wingspan of 45-51 cm (18-20 inches). Has black crown and loreal stripe on head, snowy white forehead and underside, and gray upperparts. Outer two primaries black, yellow or orange bill with black tip, and orange legs. Males have a wider dark loreal stripe but sexes mostly distinguished by behavior.	Maricopa, Mohave, Pima	< 2,000 ft	Open, bare or sparsely vegetated sand, sandbars, gravel pits, or exposed flats along shorelines of inland rivers, lakes, reservoirs, or drainage systems.	Breeding occasionally documented in Arizona; migrants may occur more frequently. Feeds primarily on fish in shallow waters and secondarily on invertebrates. Nests in a simple scrape on sandy or gravelly soil.
Chiricahua leopard frog	<i>Lithobates chiricahuensis</i>	Threatened	Cream colored tubercles (spots) on a dark background on the rear of the thigh, dorsolateral folds that are interrupted and deflected medially, and a call given out of water distinguish this spotted frog from other leopard frogs.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Navajo, Pima, Santa Cruz, Yavapai	3,281-8,890 ft	Restricted to springs, livestock tanks, and streams in upper portion of watersheds that are free from nonnative predators or where marginal habitat for nonnative predators exists.	Critical habitat is designated for 10,346 acres in Apache, Cochise, Gila, Graham, Greenlee, Pima, Santa Cruz, and Yavapai counties in Arizona; and Catron, Hidalgo, Grant, Sierra, and Socorro counties in New Mexico (77 FR 16324).

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Desert pupfish	<i>Cyprinodon macularius</i>	Endangered	Small (2 inches) smoothly rounded body shape with narrow vertical bars on the sides. Breeding males blue on head and sides with yellow on tail. Females and juveniles tan to olive colored back and silvery sides.	Cochise, Graham, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,000 ft	Shallow springs, small streams, and marshes. Tolerates saline and warm water.	Two subspecies are recognized: Desert Pupfish (<i>C.m. macularis</i>) and Quitobaquito Pupfish (<i>C.m. eremus</i>). Critical habitat includes Quitobaquito Springs, Pima County, portions of San Felipe Creek, Carrizo Wash, and Fish Creek Wash, Imperial County, California.
Gila chub	<i>Gila intermedia</i>	Endangered	Deep compressed body, flat head. Dark olive-gray color above, silver sides. Endemic to Gila River Basin.	Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, Yavapai	2,000-5,500 ft	Pools, springs, cienegas, and streams.	Occurs on Federal, State, and private lands, including the Nature Conservancy and the Audubon Society. Also occurs in Sonora, Mexico. Critical habitat includes Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, and Yavapai counties (70 FR 66664).
Gila topminnow	<i>Poeciliopsis occidentalis occidentalis</i>	Endangered	Small (2 inches), guppy-like, live bearing, lacks dark spots on its fins. Breeding males are jet black with yellow fins.	Cochise, Gila, Graham, La Paz, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,500 ft	Small streams, springs, and cienegas vegetated shallows.	Species historically also occurred in backwaters of large rivers but is currently isolated to small streams and springs.
Huachuca water umbel	<i>Lilaeopsis schaffneriana ssp. recurva</i>	Endangered	Herbaceous, semi-aquatic perennial in the parsley family (Umbelliferae) with slender erect, hollow, leaves that grow from the nodes of creeping rhizomes. Flower: 3 to 10 flowered umbels arise from root nodes.	Cochise, Pima, Santa Cruz	3,500-6,500 ft	Cienegas, perennial low gradient streams, wetlands.	Species also occurs in adjacent Sonora, Mexico, west of the continental divide. Critical habitat includes Cochise and Santa Cruz counties (64 FR 37441).
Jaguar	<i>Panthera onca</i>	Endangered	Largest species of cat native to Southwest. Muscular, with relatively short, massive limbs, and a deep-chested body. Usually cinnamon-buff in color with many black spots. Weights ranges from 90-300 lbs.	Cochise, Pima, Santa Cruz	1,600-9,000 ft	Found in Sonoran desertscrub up through subalpine conifer forest.	Critical habitat is being proposed for a total of 838,232 ac. in Cochise, Pima, and Santa Cruz counties, Arizona; and Hidalgo County, New Mexico (77 FR 50214). A recovery team for the jaguar was formed in 2010, who completed a recovery outline for the species in April, 2012. The recovery team is currently developing a full recovery plan for the species based on the recovery outline.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Kearney's blue star	<i>Amsonia kearneyana</i>	Endangered	A herbaceous perennial about 2 feet tall in the dogbane family (Apocynaceae). Thickened woody root and many pubescent (hairy) stems that rarely branch. Flowers: white terminal inflorescence in April and May.	Pima	3,600-3,800 ft	West-facing drainages in the Baboquivari Mountains.	Plants grow in stable, partially shaded, coarse alluvium along a dry wash in the Baboquivari Mountains. Range is extremely limited. Protected by Arizona Native Plant Law.
Lesser long-nosed bat	<i>Leptonycteris curasoae yerbabuena</i>	Endangered	Elongated muzzle, small leaf nose, and long tongue. Yellowish brown or gray above and cinnamon brown below. Tail minute and appears to be lacking. Easily disturbed.	Cochise, Gila, Graham, Greenlee, Maricopa, Pima, Pinal, Santa Cruz, Yuma	1,600-7,500 ft	Desert scrub habitat with agave and columnar cacti present as food plants.	Day roosts in caves and abandoned tunnels. Forages at night on nectar, pollen, and fruit of paniculate agaves and columnar cacti. This species is migratory and is present in Arizona usually from April to September and south of the border the remainder of the year.
Masked bobwhite	<i>Colinus virginianus ridgewayi</i>	Endangered	Males have a brick-red breast and black head and throat. Females are generally nondescript but resemble other races such as the Texas bobwhite.	Pima	1,000-4,000 ft	Desert grasslands with diversity of dense native grasses, forbs, and brush.	Species is closely associated with Prairie acacia (<i>Acacia angustissima</i>). Formerly occurred in Altar and Santa Cruz valleys, as well as Sonora, Mexico. Presently only known from reintroduced populations on Buenos Aires NWR.
Mexican spotted owl	<i>Strix occidentalis lucida</i>	Threatened	Medium sized with dark eyes and no ear tufts. Brownish and heavily spotted with white or beige.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai	4,100-9,000 ft	Nests in canyons and dense forests with multi-layered foliage structure.	Generally nest in older forests of mixed conifer or ponderosa pine/gambel oak type, in canyons, and use variety of habitats for foraging. Sites with cool microclimates appear to be of importance or are preferred. Critical habitat was finalized on August 31, 2004 (69 FR 53182) in Arizona in Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Navajo, Pima, Pinal, Santa Cruz, and Yavapai counties.
Nichol Turk's head cactus	<i>Echinocactus horizonthalonius var. nicholii</i>	Endangered	Blue-green to yellowish-green, columnar, 18 inches tall, 8 inches in diameter. Spine clusters have 5 radial and 3 central spines; one curves downward and is short; 2 spines curve upward and are red or pale gray. Flowers: pink; fruit: woolly white.	Pima, Pinal	2,400-4,100 ft	Sonoran desertscrub.	Found in unshaded microsites in Sonoran desertscrub on dissected alluvial fans at the foot of limestone mountains and on inclined terraces and saddles on limestone mountain sides.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Ocelot	<i>Leopardus pardalis</i>	Endangered	Medium-sized spotted cat that is yellowish with black streaks and stripes running from front to back. Tail is spotted and about 1/2 the length of head and body. Face is less heavily streaked than the back and sides.	Cochise, Gila, Graham, Pima, Pinal, Santa Cruz	< 8,000 ft	Desert scrub in Arizona. Humid tropical and sub-tropical forests, and savannahs in areas south of the U.S.	Little is known about ocelot habitat use in Arizona; however, ocelots are typically associated with areas of dense cover. Four confirmed reports of ocelots have been received from Gila (one) and Cochise (three) counties since 2009. Based on photographic evidence, two of the reports from Cochise County were most likely of the same ocelot.
Pima pineapple cactus	<i>Coryphantha scheeri</i> var. <i>robustispina</i>	Endangered	Hemispherical stems 4-7 inches tall 3-4 inches diameter. Central spine 1 inch long straw colored hooked surrounded by 6-15 radial spines. Flower: yellow, salmon, or rarely white narrow floral tube.	Pima, Santa Cruz	2,300-5,000 ft	Sonoran desert scrub or semi-desert grassland communities.	Occurs in alluvial valleys or on hillsides in rocky to sandy or silty soils. This species can be confused with juvenile barrel cactus (<i>Ferocactus</i>). However, the spines of the later are flattened, in contrast with the round cross-section of the <i>Coryphantha</i> spines. About 80-90% of individuals occur on state or private land.
Sonoran pronghorn	<i>Antilocapra americana sonoriensis</i>	Endangered	Upperparts tan; underparts, rump, and two bands across the neck are white. Male has two black cheek pouches. Hoofed with slightly curved black horns having a single prong. Smallest and palest of the pronghorn subspecies.	Maricopa, Pima, Yuma	2,000-4,000 ft	Broad intermountain alluvial valleys with creosote-bursage and palo verde-mixed cacti associations.	Typically, bajadas are used as fawning areas and sandy dune areas provide food seasonally. Cacti (jumping cholla) appears to make up substantial part of diet. This subspecies also occurs in Mexico.
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	Endangered	Small passerine (about 6 inches) grayish-green back and wings, whitish throat, light olive-gray breast and pale yellowish belly. Two wingbars visible. Eye-ring faint or absent.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 8,500 ft	Cottonwood/willow and tamarisk vegetation communities along rivers and streams.	Riparian-obligate bird that occupies migratory/breeding habitat from late April-Sept. Critical habitat was finalized on October 19, 2005 in Apache, Cochise, Gila, Graham, Greenlee, Maricopa, Mohave, Pima, Pinal, and Yavapai counties (70 FR 60886). Revised critical habitat was proposed August 15, 2011 (76 FR 50542) and includes river segments in counties currently designated plus those in La Paz, Santa Cruz, and Yuma counties. The 2005 critical habitat designation remains in effect until the current proposal is finalized. Training seminar/permits required for those conducting call playback surveys.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Northern Mexican Gartersnake	<i>Thamnophis eques megalops</i>	Candidate	Background color ranges from olive, olive-brown, to olive-gray. Body has three yellow or light colored stripes running down the length of the body, darker towards tail. Species distinguished from other native gartersnakes by the lateral stripes reaching the 3rd and 4th scale rows. Paired black spots extend along dorsolateral fields.	Apache, Cochise, Coconino, Gila, Graham, Navajo, Pima, Pinal, Santa Cruz, Yavapai	130-8,500 ft	Cienegas, stock tanks, large-river riparian woodlands and forests, streamside gallery forests.	Core population areas in the U.S. include mid/upper Verde River drainage, mid/lower Tonto Creek, and the San Rafael Valley and surrounding area. Status on tribal lands unknown. Distributed south into Mexico along the Sierra Madre Occidental and Mexican Plateau. Strongly associated with the presence of a native prey base including leopard frogs and native fish.
Sonoran desert tortoise	<i>Gopherus morafkai</i>	Candidate	Large herbivorous reptile with domed shell and round stumpy hind legs. The carapace is a dull brown or grey color and the plastron is unhinged, often pale yellow in coloration. Sonoran desert tortoises generally have a flatter carapace than tortoises in the Mohave population. Active in spring and during the monsoon; dormant in winter and mid-summer months.	Cochise, Gila, Graham, La Paz, Maricopa, Mohave, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 7,800 ft	Primarily rocky (often steep) hillsides and bajadas of Mohave and Sonoran deserts but may encroach into desert grassland, juniper woodland, interior chaparral habitats, and even pine communities. Washes and valley bottoms may be used in dispersal.	Desert tortoises that occur east and south of the Colorado River in Arizona are known as the Sonoran desert tortoise. Individuals are found throughout their historic range; but populations are becoming increasingly fragmented due to threats to their habitat in valley bottoms, which are used for dispersal and exchange of genetic material.
Sonoyta mud turtle	<i>Kinosternon sonoriense longifemorale</i>	Candidate	Aquatic; dark, medium-sized; shell up to 7 inches long; head, neck, and limbs mottled; carapace is olive brown to dark brown; plastron hinged; long barbels on chin, webbed feet.	Pima	1,100 ft	Ponds and streams.	Found only in Quitobaquito Springs in Organ Pipe Cactus National Monument, Arizona. Species also occurs in Rio Sonoyta, Sonora, Mexico.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Tucson shovel-nosed snake	<i>Chionactis occipitalis klauberi</i>	Candidate	Small snake (10-17 inches total length) in the family Colubridae, with a shovel-shaped snout and an inset lower jaw. Overall coloring mimics coral snakes, with pale yellow to cream-colored body, 21 or more black or brown saddle-like bands across the back, and orange-red saddle-like bands in between. The subspecies is distinguished from the other subspecies in that these secondary orange-red crossbands are suffused with dark pigment, making them appear brown or partly black, and the black and red crossbands do not encircle the entire body.	Maricopa, Pima, Pinal	785-1,662 ft	Sonoran Desertscrub; associated with soft, sandy soils having sparse gravel.	Found in creosote-mesquite floodplain environments, finds refuge under desert shrubs, active during crepuscular (dawn and dusk) and daylight hours.
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	Candidate	Medium-sized bird with a slender, long-tailed profile, slightly down-curved bill that is blue-black with yellow on the lower half. Plumage is grayish-brown above and white below, with rufous primary flight feathers.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 6,500 ft	Large blocks of riparian woodlands (cottonwood, willow, or tamarisk galleries).	Neotropical migrant that winters primarily in South America and breeds primarily in the U.S. (but also in southern Canada and northern Mexico). As a migrant it is rarely detected; can occur outside of riparian areas. Cuckoos are found nesting statewide, mostly below 5,000 feet in central, western, and southeastern Arizona. Concern for cuckoos are primarily focused upon alterations to its nesting and foraging habitat. Nesting cuckoos are associated with relatively dense, wooded, streamside riparian habitat, with varying combinations of Fremont cottonwood, willow, velvet ash, Arizona walnut, mesquite, and tamarisk. Some cuckoos have also been detected nesting in velvet mesquite, netleaf hackberry, Arizona sycamore, Arizona alder, and some exotic neighborhood shade trees.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Gooddings onion	<i>Allium gooddingii</i>	Conservation Agreement	Herbaceous perennial plant; broad, flat, rather blunt leaves; flowering stalk 14-18 inches tall, flattened, and narrowly winged toward apex; fruit is broader than long; seeds are short and thick.	Apache, Greenlee, Pima	7,500-11,250 ft	Shaded sites on north-trending drainages, on slopes, or in narrow canyons, within mixed conifer and spruce fir forests.	Known from the White, Santa Catalina, and Chuska Mountains. Also found in New Mexico on the Lincoln and Gila National Forests. A Conservation Agreement between the Service and the Forest Service signed in February 1998.
San Xavier talussnail	<i>Sonorella eremita</i>	Conservation Agreement	Land snail, less than one inch in diameter (about .75 inches); round shell with 4.5 whorls; white to pinkish tint and chestnut-brown shoulder band.	Pima	3,850-3,920 ft	Inhabits a deep, northwest-facing limestone rockslide.	Restricted to 50 by 100 foot area of land privately owned in southeastern Arizona. A Conservation Agreement was finalized in 1995 and renewed in May 2008.
American peregrine falcon	<i>Falco peregrinus anatum</i>	Delisted	A crow-sized falcon with slate blue-gray on the back and wings, and white on the underside; a black head with vertical "bandit's mask" pattern over the eyes; long pointed wings; and a long wailing call made during breeding. Very adept flyers and hunters, reaching diving speeds of 200 mph.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	3,500-9,000 ft	Areas with rocky, steep cliffs, primarily near water, where prey (primarily shorebirds, songbirds, and waterfowl) concentrations are high. Nests are found on ledges of cliffs, and sometimes on man-made structures such as office towers and bridge abutments.	Species recovered with over 1,650 breeding birds in the US and Canada.
Cactus ferruginous pygmy-owl	<i>Glaucidium brasilianum cactorum</i>	Delisted; petitioned for relisting	Small reddish-brown owl with a cream-colored belly streaked with reddish-brown. Males average 2.2 oz and females average 2.6 oz. Length is approximately 6.5 in., including a relatively long tail. Lacks ear tufts, and has paired black spots on the back of the head.	Pima, Pinal	< 4,000 ft	Areas of desert woodlands with tall canopy cover. Primarily found in Sonoran desert scrub and occasionally in riparian drainages and woodlands within semi-desert grassland communities. Prefers to nest in cavities in saguaro cacti but has been found in low-density suburban developments that include natural open spaces.	Not recognized as a protected taxonomic entity under the Act, but protected from direct take of individuals and nests/eggs under the Migratory Bird Treaty Act. A 2006 petition for relisting under the Act is currently being evaluated. Due to low population numbers, captive breeding research was initiated in 2006 with some success.

Pinal County

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Acuna cactus	<i>Echinomastus erectocentrus</i> var. <i>acunensis</i>	Proposed Endangered	Less than 12 inches tall; spine clusters borne on tubercles, each with a groove on the upper surface. 2-3 central spines and 12 radial spines. Radial spines are dirty white with maroon tips. Flowers pink to purple.	Maricopa, Pima, Pinal	1,198 to 3,773 ft	Well drained knolls and gravel ridges in Sonoran desertscrub.	Immature plants distinctly different from mature plants. Immatures are disc-shaped or spherical and have no central spines until they are about 1.5 inches. Critical habitat is being proposed for a total of 53,720 ac in Maricopa, Pima, and Pinal counties (77 FR 60510).
Arizona hedgehog cactus	<i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i>	Endangered	Dark green cylindroid stem, 2.5-12 inches tall, 2-10 inches in diameter. Occurs singly or in clusters. Has 1-3 gray or pinkish central spines, the largest deflexed, and 5-11 radial spines. Flower are brilliant red along side of stem.	Gila, Pinal	3,200-5,200 ft	Ecotone between interior chaparral and madrean evergreen woodland.	Open slopes, in narrow cracks between boulders, and in understory of shrubs. Additional genetic studies have determined that the species does not occur outside of the type locality.
Desert pupfish	<i>Cyprinodon macularius</i>	Endangered	Small (2 inches) smoothly rounded body shape with narrow vertical bars on the sides. Breeding males blue on head and sides with yellow on tail. Females and juveniles tan to olive colored back and silvery sides.	Cochise, Graham, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,000 ft	Shallow springs, small streams, and marshes. Tolerates saline and warm water.	Two subspecies are recognized: Desert Pupfish (<i>C.m. macularis</i>) and Quitobaquito Pupfish (<i>C.m. eremus</i>). Critical habitat includes Quitobaquito Springs, Pima County, portions of San Felipe Creek, Carrizo Wash, and Fish Creek Wash, Imperial County, California.
Gila chub	<i>Gila intermedia</i>	Endangered	Deep compressed body, flat head. Dark olive-gray color above, silver sides. Endemic to Gila River Basin.	Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, Yavapai	2,000-5,500 ft	Pools, springs, cienegas, and streams.	Occurs on Federal, State, and private lands, including the Nature Conservancy and the Audubon Society. Also occurs in Sonora, Mexico. Critical habitat includes Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, and Yavapai counties (70 FR 66664).
Gila topminnow	<i>Poeciliopsis occidentalis occidentalis</i>	Endangered	Small (2 inches), guppy-like, live bearing, lacks dark spots on its fins. Breeding males are jet black with yellow fins.	Cochise, Gila, Graham, La Paz, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,500 ft	Small streams, springs, and cienegas vegetated shallows.	Species historically also occurred in backwaters of large rivers but is currently isolated to small streams and springs.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Lesser long-nosed bat	<i>Leptonycteris curasoae yerbabuena</i>	Endangered	Elongated muzzle, small leaf nose, and long tongue. Yellowish brown or gray above and cinnamon brown below. Tail minute and appears to be lacking. Easily disturbed.	Cochise, Gila, Graham, Greenlee, Maricopa, Pima, Pinal, Santa Cruz, Yuma	1,600-7,500 ft	Desert scrub habitat with agave and columnar cacti present as food plants.	Day roosts in caves and abandoned tunnels. Forages at night on nectar, pollen, and fruit of paniculate agaves and columnar cacti. This species is migratory and is present in Arizona usually from April to September and south of the border the remainder of the year.
Loach minnow	<i>Tiaroga cobitis</i>	Endangered	Small (<3 inches) slender, elongated fish, olive colored with dirty white spots at the base of the dorsal and caudal fins. Breeding males vivid red on mouth and base of fins.	Apache, Cochise, Gila, Graham, Greenlee, Navajo, Pinal, Yavapai	< 8,000 ft	Benthic species of small to large perennial streams with swift shallow water over cobble and gravel. Recurrent flooding and natural hydrograph important.	Presently found in Aravaipa Creek, Deer Creek, Turkey Creek, Blue River, Campbell Blue Creek, Little Blue Creek, San Francisco River, Eagle Creek, North Fork of the East Fork Black River, Boneyard Creek, and White River and East Fork White River in Arizona, and Dry Blue Creek, Pace Creek, Frieborn Creek, the San Francisco River, Tularosa River, Negrito Creek, Whitewater Creek, the East, Middle, and West Forks of the Gila River, mainstem upper Gila River. Bear Creek and Mangas Creek in New Mexico. Populations have been recently reintroduced in Hot Springs and Redfield canyons in Cochise and Graham counties; Fossil Creek in Gila County; and Bonita Creek in Graham County Arizona. Critical habitat has been designated in Apache, Cochise, Gila, Graham, Greenlee, Pinal, and Yavapai counties, Arizona, as well as in Catron, Grant, and Hidalgo counties in New Mexico (77 FR 10810).
Mexican spotted owl	<i>Strix occidentalis lucida</i>	Threatened	Medium sized with dark eyes and no ear tufts. Brownish and heavily spotted with white or beige.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai	4,100-9,000 ft	Nests in canyons and dense forests with multi-layered foliage structure.	Generally nest in older forests of mixed conifer or ponderosa pine/gambel oak type, in canyons, and use variety of habitats for foraging. Sites with cool microclimates appear to be of importance or are preferred. Critical habitat was finalized on August 31, 2004 (69 FR 53182) in Arizona in Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Navajo, Pima, Pinal, Santa Cruz, and Yavapai counties.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Nichol Turk's head cactus	<i>Echinocactus horizontalonius</i> var. <i>nicholii</i>	Endangered	Blue-green to yellowish-green, columnar, 18 inches tall, 8 inches in diameter. Spine clusters have 5 radial and 3 central spines; one curves downward and is short; 2 spines curve upward and are red or pale gray. Flowers: pink; fruit: woolly white.	Pima, Pinal	2,400-4,100 ft	Sonoran desertscrub.	Found in unshaded microsites in Sonoran desertscrub on dissected alluvial fans at the foot of limestone mountains and on inclined terraces and saddles on limestone mountain sides.
Ocelot	<i>Leopardus pardalis</i>	Endangered	Medium-sized spotted cat that is yellowish with black streaks and stripes running from front to back. Tail is spotted and about 1/2 the length of head and body. Face is less heavily streaked than the back and sides.	Cochise, Gila, Graham, Pima, Pinal, Santa Cruz	< 8,000 ft	Desert scrub in Arizona. Humid tropical and subtropical forests, and savannas in areas south of the U.S.	Little is known about ocelot habitat use in Arizona; however, ocelots are typically associated with areas of dense cover. Four confirmed reports of ocelots have been received from Gila (one) and Cochise (three) counties since 2009. Based on photographic evidence, two of the reports from Cochise County were most likely of the same ocelot.
Razorback sucker	<i>Xyrauchen texanus</i>	Endangered	Large, up to 3 feet long and up to 6 lbs, high sharp-edged keel-like hump behind the head. Head flattened on top. Olive-brown above to yellowish below.	Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Pinal, Yavapai, Yuma	< 6,000 ft	Riverine and lacustrine areas, generally not in fast moving water and may use backwaters.	Big River fish also found in Horseshoe reservoir (Maricopa County). Critical habitat includes the 100-year floodplain of the river through the Grand Canyon from confluence with Paria River to Hoover Dam; Hoover Dam to Davis Dam; Parker Dam to Imperial Dam. Also Gila River from Arizona/New Mexico border to Coolidge Dam; and Salt River from Hwy 60/SR77 Bridge to Roosevelt Dam; Verde River from FS boundary to Horseshoe Lake (59 FR 13374).

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	Endangered	Small passerine (about 6 inches) grayish-green back and wings, whitish throat, light olive-gray breast and pale yellowish belly. Two wingbars visible. Eye-ring faint or absent.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 8,500 ft	Cottonwood/willow and tamarisk vegetation communities along rivers and streams.	Riparian-obligate bird that occupies migratory/breeding habitat from late April-Sept. Critical habitat was finalized on October 19, 2005 in Apache, Cochise, Gila, Graham, Greenlee, Maricopa, Mohave, Pima, Pinal, and Yavapai counties (70 FR 60886). Revised critical habitat was proposed August 15, 2011 (76 FR 50542) and includes river segments in counties currently designated plus those in La Paz, Santa Cruz, and Yuma counties. The 2005 critical habitat designation remains in effect until the current proposal is finalized. Training seminar/permits required for those conducting call playback surveys.
Spikedace	<i>Meda fulgida</i>	Endangered	Small (<3 inches) slim fish with silvery sides and "spine" on dorsal fin. Breeding males are a brassy golden color.	Cochise, Gila, Graham, Greenlee, Pinal, Yavapai	< 6,000 ft	Medium to large perennial streams with moderate to swift velocity waters over cobble and gravel substrate. Recurrent flooding and natural hydrograph important to withstand invading exotic species.	Presently found in Aravaipa Creek, Eagle Creek, and the Verde River in Arizona, and the Gila River, the East, Middle, and West Forks of the Gila River, and Mangas Creek in New Mexico. Populations have been recently reintroduced in Hot Springs and Redfield canyons in Cochise and Graham counties; Fossil Creek in Gila County; and Bonita Creek in Graham County Arizona, and in the San Francisco River in Catron County, New Mexico. Critical habitat (77 FR 10810) has been designated in Cochise, Gila, Graham, Greenlee, Pinal, and Yavapai counties in Arizona, and in Catron, Grant, and Hidalgo counties in New Mexico.
Yuma clapper rail	<i>Rallus longirostris yumanensis</i>	Endangered	Water bird with long legs and short tail. Long, slender decurved bill. Mottled brown or gray on its rump. Flanks and undersides are dark gray with narrow vertical stripes producing a barring effect.	Gila, La Paz, Maricopa, Mohave, Pinal, Yuma	< 4,500 ft	Fresh water and brackish marshes.	Species is associated with dense emergent riparian vegetation. Requires wet substrate (mudflat, sandbar) with dense herbaceous or woody vegetation for nesting and foraging. Channelization and marsh destruction are primary sources of habitat loss.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Northern Mexican Gartersnake	<i>Thamnophis eques megalops</i>	Candidate	Background color ranges from olive, olive-brown, to olive-gray. Body has three yellow or light colored stripes running down the length of the body, darker towards tail. Species distinguished from other native gartersnakes by the lateral stripes reaching the 3rd and 4th scale rows. Paired black spots extend along dorsolateral fields.	Apache, Cochise, Coconino, Gila, Graham, Navajo, Pima, Pinal, Santa Cruz, Yavapai	130-8,500 ft	Cienegas, stock tanks, large-river riparian woodlands and forests, streamside gallery forests.	Core population areas in the U.S. include mid/upper Verde River drainage, mid/lower Tonto Creek, and the San Rafael Valley and surrounding area. Status on tribal lands unknown. Distributed south into Mexico along the Sierra Madre Occidental and Mexican Plateau. Strongly associated with the presence of a native prey base including leopard frogs and native fish.
Roundtail chub	<i>Gila robusta</i>	Candidate	Member of the minnow family Cyprinidae and characterized by streamlined body shape. Color usually olive gray with silvery sides and a white belly. Breeding males develop red or orange coloration on the lower half of the cheeks and on the bases of paired fins. Individuals may reach 49.0 cm (19.3 in) but usually average 25-30 cm (9.8 - 11.8 in).	Apache, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pinal, Yavapai	1,000-7,500 ft.	Cool to warm waters of rivers and streams, often occupy the deepest pools and eddies of large streams.	Historical range of roundtail chub included both the upper and lower Colorado River basins. A 2009 status review determined that the lower Colorado River basin roundtail chub population segment (Arizona and New Mexico) qualifies as a distinct vertebrate population segment (DPS). Populations in the Little Colorado, Bill Williams, and Gila River basins are considered candidate species.
Sonoran desert tortoise	<i>Gopherus morafkai</i>	Candidate	Large herbivorous reptile with domed shell and round stumpy hind legs. The carapace is a dull brown or grey color and the plastron is unhinged, often pale yellow in coloration. Sonoran desert tortoises generally have a flatter carapace than tortoises in the Mohave population. Active in spring and during the monsoon; dormant in winter and mid-summer months.	Cochise, Gila, Graham, La Paz, Maricopa, Mohave, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 7,800 ft	Primarily rocky (often steep) hillsides and bajadas of Mohave and Sonoran desertscrub but may encroach into desert grassland, juniper woodland, interior chaparral habitats, and even pine communities. Washes and valley bottoms may be used in dispersal.	Desert tortoises that occur east and south of the Colorado River in Arizona are known as the Sonoran desert tortoise. Individuals are found throughout their historic range; but populations are becoming increasingly fragmented due to threats to their habitat in valley bottoms, which are used for dispersal and exchange of genetic material.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Tucson shovel-nosed snake	<i>Chionactis occipitalis klauberi</i>	Candidate	Small snake (10-17 inches total length) in the family Colubridae, with a shovel-shaped snout and an inset lower jaw. Overall coloring mimics coral snakes, with pale yellow to cream-colored body, 21 or more black or brown saddle-like bands across the back, and orange-red saddle-like bands in between. The subspecies is distinguished from the other subspecies in that these secondary orange-red crossbands are suffused with dark pigment, making them appear brown or partly black, and the black and red crossbands do not encircle the entire body.	Maricopa, Pima, Pinal	785-1,662 ft	Sonoran Desertscrub; associated with soft, sandy soils having sparse gravel.	Found in creosote-mesquite floodplain environments, finds refuge under desert shrubs, active during crepuscular (dawn and dusk) and daylight hours.
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	Candidate	Medium-sized bird with a slender, long-tailed profile, slightly down-curved bill that is blue-black with yellow on the lower half. Plumage is grayish-brown above and white below, with rufous primary flight feathers.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 6,500 ft	Large blocks of riparian woodlands (cottonwood, willow, or tamarisk galleries).	Neotropical migrant that winters primarily in South America and breeds primarily in the U.S. (but also in southern Canada and northern Mexico). As a migrant it is rarely detected; can occur outside of riparian areas. Cuckoos are found nesting statewide, mostly below 5,000 feet in central, western, and southeastern Arizona. Concern for cuckoos are primarily focused upon alterations to its nesting and foraging habitat. Nesting cuckoos are associated with relatively dense, wooded, streamside riparian habitat, with varying combinations of Fremont cottonwood, willow, velvet ash, Arizona walnut, mesquite, and tamarisk. Some cuckoos have also been detected nesting in velvet mesquite, netleaf hackberry, Arizona sycamore, Arizona alder, and some exotic neighborhood shade trees.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
American peregrine falcon	<i>Falco peregrinus anatum</i>	Delisted	A crow-sized falcon with slate blue-gray on the back and wings, and white on the underside; a black head with vertical "bandit's mask" pattern over the eyes; long pointed wings; and a long wailing call made during breeding. Very adept flyers and hunters, reaching diving speeds of 200 mph.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	3,500-9,000 ft	Areas with rocky, steep cliffs, primarily near water, where prey (primarily shorebirds, songbirds, and waterfowl) concentrations are high. Nests are found on ledges of cliffs, and sometimes on man-made structures such as office towers and bridge abutments.	Species recovered with over 1,650 breeding birds in the US and Canada.
Bald eagle	<i>Haliaeetus leucocephalus</i>	Delisted	Large, adults have white head and tail. Height 28 to 38 inches; wingspan 66 to 96 inches. Juveniles and subadults are dark brown with varying degrees of white mottling on chest, wings, and head.	Apache, Coconino, Gila, Graham, La Paz, Maricopa, Mohave, Pinal, and Yavapai	Varies	Large trees or cliffs near water (reservoirs, rivers, and streams) with abundant prey.	Nationwide and throughout the State of Arizona, the bald eagle is currently not listed under the Endangered Species Act. On September 30, 2010, the U.S. District Court dissolved an injunction that led to the bald eagle in the Sonoran Desert Area of central Arizona being placed on the Endangered Species list in 2008. This determination is presently (January 2011) under judicial consideration. Bald eagles are protected under the Bald and Golden Eagle Protection Act (Eagle Act) and other Federal and state statutes. The word "disturb" under the Eagle Act was recently clarified, as well as the implementation of new regulations requiring permits to incidentally "take" eagles. Retrieve more information on management and life history at http://SWBEMC.org .
Cactus ferruginous pygmy-owl	<i>Glaucidium brasilianum cactorum</i>	Delisted; petitioned for relisting	Small reddish-brown owl with a cream-colored belly streaked with reddish-brown. Males average 2.2 oz and females average 2.6 oz. Length is approximately 6.5 in., including a relatively long tail. Lacks ear tufts, and has paired black spots on the back of the head.	Pima, Pinal	< 4,000 ft	Areas of desert woodlands with tall canopy cover. Primarily found in Sonoran desert scrub and occasionally in riparian drainages and woodlands within semi-desert grassland communities. Prefers to nest in cavities in saguaro cacti but has been found in low-density suburban developments that include natural open spaces.	Not recognized as a protected taxonomic entity under the Act, but protected from direct take of individuals and nests/eggs under the Migratory Bird Treaty Act. A 2006 petition for relisting under the Act is currently being evaluated. Due to low population numbers, captive breeding research was initiated in 2006 with some success.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
California brown pelican	<i>Pelecanus occidentalis californicus</i>	Delisted	Large, dark gray-brown water bird with webbed feet, pouch underneath its long bill, and wingspan of 7 ft. Adults have a white head and neck, brownish black breast, and silver gray upper parts.	Gila, La Paz, Maricopa, Mohave, Pinal, Yuma	Varies	Coastal land and islands; species found occasionally around Arizona's lakes and rivers.	Considered an uncommon transient in Arizona. Most observations recorded along the Colorado River and in the Gila Valley. Individuals known to wander up from Mexico in summer and fall. No breeding has been documented in Arizona. Delisted on November 17, 2009 (74 FR 59444).

Santa Cruz County

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Canelo Hills ladies' tresses	<i>Spiranthes delitescens</i>	Endangered	Slender, erect member of the orchid family (Orchidaceae). Flower stalk 20 inches tall, may contain 40 white flowers spirally arranged on the flowering stalk.	Cochise, Santa Cruz	~ 5,000 ft	Finely grained, highly organic, saturated soils of cienegas.	Found in the San Pedro watershed. Potential habitat occurs in Sonora, Mexico, but no populations have been found.
Chiricahua leopard frog	<i>Lithobates chiricahuensis</i>	Threatened	Cream colored tubercles (spots) on a dark background on the rear of the thigh, dorsolateral folds that are interrupted and deflected medially, and a call given out of water distinguish this spotted frog from other leopard frogs.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Navajo, Pima, Santa Cruz, Yavapai	3,281-8,890 ft	Restricted to springs, livestock tanks, and streams in upper portion of watersheds that are free from nonnative predators or where marginal habitat for nonnative predators exists.	Critical habitat is designated for 10,346 acres in Apache, Cochise, Gila, Graham, Greenlee, Pima, Santa Cruz, and Yavapai counties in Arizona; and Catron, Hidalgo, Grant, Sierra, and Socorro counties in New Mexico (77 FR 16324).
Desert pupfish	<i>Cyprinodon macularius</i>	Endangered	Small (2 inches) smoothly rounded body shape with narrow vertical bars on the sides. Breeding males blue on head and sides with yellow on tail. Females and juveniles tan to olive colored back and silvery sides.	Cochise, Graham, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,000 ft	Shallow springs, small streams, and marshes. Tolerates saline and warm water.	Two subspecies are recognized: Desert Pupfish (<i>C.m. macularius</i>) and Quitobaquito Pupfish (<i>C.m. eremus</i>). Critical habitat includes Quitobaquito Springs, Pima County, portions of San Felipe Creek, Carrizo Wash, and Fish Creek Wash, Imperial County, California.
Gila chub	<i>Gila intermedia</i>	Endangered	Deep compressed body, flat head. Dark olive-gray color above, silver sides. Endemic to Gila River Basin.	Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, Yavapai	2,000-5,500 ft	Pools, springs, cienegas, and streams.	Occurs on Federal, State, and private lands, including the Nature Conservancy and the Audubon Society. Also occurs in Sonora, Mexico. Critical habitat includes Cochise, Gila, Graham, Greenlee, Pima, Pinal, Santa Cruz, and Yavapai counties (70 FR 66664).
Gila topminnow	<i>Poeciliopsis occidentalis occidentalis</i>	Endangered	Small (2 inches), guppy-like, live bearing, lacks dark spots on its fins. Breeding males are jet black with yellow fins.	Cochise, Gila, Graham, La Paz, Maricopa, Pima, Pinal, Santa Cruz, Yavapai	< 4,500 ft	Small streams, springs, and cienegas vegetated shallows.	Species historically also occurred in backwaters of large rivers but is currently isolated to small streams and springs.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Huachuca water umbel	<i>Lilaeopsis schaffneriana ssp. recurva</i>	Endangered	Herbaceous, semi-aquatic perennial in the parsley family (Umbelliferae) with slender erect, hollow, leaves that grow from the nodes of creeping rhizomes. Flower: 3 to 10 flowered umbels arise from root nodes.	Cochise, Pima, Santa Cruz	3,500-6,500 ft	Cienegas, perennial low gradient streams, wetlands.	Species also occurs in adjacent Sonora, Mexico, west of the continental divide. Critical habitat includes Cochise and Santa Cruz counties (64 FR 37441).
Jaguar	<i>Panthera onca</i>	Endangered	Largest species of cat native to Southwest. Muscular, with relatively short, massive limbs, and a deep-chested body. Usually cinnamon-buff in color with many black spots. Weights ranges from 90-300 lbs.	Cochise, Pima, Santa Cruz	1,600-9,000 ft	Found in Sonoran desertscrub up through subalpine conifer forest.	Critical habitat is being proposed for a total of 838,232 ac. in Cochise, Pima, and Santa Cruz counties, Arizona; and Hidalgo County, New Mexico (77 FR 50214). A recovery team for the jaguar was formed in 2010, who completed a recovery outline for the species in April, 2012. The recovery team is currently developing a full recovery plan for the species based on the recovery outline.
Lesser long-nosed bat	<i>Leptonycteris curasoae yerbabuena</i>	Endangered	Elongated muzzle, small leaf nose, and long tongue. Yellowish brown or gray above and cinnamon brown below. Tail minute and appears to be lacking. Easily disturbed.	Cochise, Gila, Graham, Greenlee, Maricopa, Pima, Pinal, Santa Cruz, Yuma	1,600-7,500 ft	Desert scrub habitat with agave and columnar cacti present as food plants.	Day roosts in caves and abandoned tunnels. Forages at night on nectar, pollen, and fruit of paniculate agaves and columnar cacti. This species is migratory and is present in Arizona usually from April to September and south of the border the remainder of the year.
Mexican spotted owl	<i>Strix occidentalis lucida</i>	Threatened	Medium sized with dark eyes and no ear tufts. Brownish and heavily spotted with white or beige.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai	4,100-9,000 ft	Nests in canyons and dense forests with multi-layered foliage structure.	Generally nest in older forests of mixed conifer or ponderosa pine/gambel oak type, in canyons, and use variety of habitats for foraging. Sites with cool microclimates appear to be of importance or are preferred. Critical habitat was finalized on August 31, 2004 (69 FR 53182) in Arizona in Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Navajo, Pima, Pinal, Santa Cruz, and Yavapai counties.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Ocelot	<i>Leopardus pardalis</i>	Endangered	Medium-sized spotted cat that is yellowish with black streaks and stripes running from front to back. Tail is spotted and about 1/2 the length of head and body. Face is less heavily streaked than the back and sides.	Cochise, Gila, Graham, Pima, Pinal, Santa Cruz	< 8,000 ft	Desert scrub in Arizona. Humid tropical and sub-tropical forests, and savannahs in areas south of the U.S.	Little is known about ocelot habitat use in Arizona; however, ocelots are typically associated with areas of dense cover. Four confirmed reports of ocelots have been received from Gila (one) and Cochise (three) counties since 2009. Based on photographic evidence, two of the reports from Cochise County were most likely of the same ocelot.
Pima pineapple cactus	<i>Coryphantha scheeri</i> var. <i>robustispina</i>	Endangered	Hemispherical stems 4-7 inches tall 3-4 inches diameter. Central spine 1 inch long straw colored hooked surrounded by 6-15 radial spines. Flower: yellow, salmon, or rarely white narrow floral tube.	Pima, Santa Cruz	2,300-5,000 ft	Sonoran desert scrub or semi-desert grassland communities.	Occurs in alluvial valleys or on hillsides in rocky to sandy or silty soils. This species can be confused with juvenile barrel cactus (<i>Ferocactus</i>). However, the spines of the later are flattened, in contrast with the round cross-section of the <i>Coryphantha</i> spines. About 80-90% of individuals occur on state or private land.
Sonora chub	<i>Gila ditaenia</i>	Threatened	Minnow (<5 inches long) moderately chubby, dark-colored fish with two prominent black lateral bands on the sides and a dark oval spot at the base of the tail. Breeding males have red lower fins and an orange belly.	Santa Cruz	3,900 ft	Perennial and intermittent, small to moderate sized streams with boulders and cliffs.	Critical habitat includes Sycamore Creek (Santa Cruz County) and a 15 meter buffer from the U.S.- Mexico border to approximately 8 km upstream; Yank Spring; lowermost 2 km of Penasco Creek; and lowermost 0.4 km of an unnamed Sycamore Creek tributary (51 FR 16042). Species extends into Mexico (Altar and Magdalena rivers).
Sonoran tiger salamander	<i>Ambystoma mavortium stebbinsi</i>	Endangered	Large, light-colored blotches or reticulations on a dark background. Metamorphosed individuals are 1.8 to 5.9 inches in snout-vent length. Aquatic larvae are uniform dark colored with plume-like gills and developed tail fins.	Cochise, Santa Cruz	4,000-6,300 ft	Stock tanks and impounded cienegas; rodent burrows, rotted logs, and other moist cover sites.	Populations occur within the headwaters of the Santa Cruz and San Pedro Rivers. These include San Rafael Valley and in the foothills of the east slope of the Patagonia and Huachuca Mountains and Fort Huachuca.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	Endangered	Small passerine (about 6 inches) grayish-green back and wings, whitish throat, light olive-gray breast and pale yellowish belly. Two wingbars visible. Eye-ring faint or absent.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 8,500 ft	Cottonwood/willow and tamarisk vegetation communities along rivers and streams.	Riparian-obligate bird that occupies migratory/breeding habitat from late April-Sept. Critical habitat was finalized on October 19, 2005 in Apache, Cochise, Gila, Graham, Greenlee, Maricopa, Mohave, Pima, Pinal, and Yavapai counties (70 FR 60886). Revised critical habitat was proposed August 15, 2011 (76 FR 50542) and includes river segments in counties currently designated plus those in La Paz, Santa Cruz, and Yuma counties. The 2005 critical habitat designation remains in effect until the current proposal is finalized. Training seminar/permits required for those conducting call playback surveys.
Arizona treefrog (Huachuca/Canelo DPS)	<i>Hyla wrightorum</i>	Candidate	Small (1.8 inches in length) green frog; dark eye stripe extends past shoulder onto the sides of the body, may break into spots or dashes past shoulder, throat on males dusky green or tan; larger tadpoles golden brown above and below with mottled black tails.	Cochise, Santa Cruz	5,000-8,500 ft	Madrean oak woodlands, savannah, pine-oak woodlands, and mixed conifer forests.	Known from less than 20 localities in the Huachuca Mountains and adjacent Canelo Hills. Believed this population is geographically disjunct from the other known locality in the wetlands at Rancho Los Fresnos, Sonora, Mexico.
Huachuca springsnail	<i>Pyrgulopsis thompsoni</i>	Candidate	Very small (.06-.12 inches) conical shell. Identification must be verified by characteristics of reproductive organs.	Cochise, Santa Cruz	4,500-7,200 ft	Aquatic areas, small springs with vegetation and slow to moderate flow.	Individuals found on firm substances (roots, wood, and rocks). Other populations found on Fort Huachuca.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Northern Mexican Gartersnake	<i>Thamnophis eques megalops</i>	Candidate	Background color ranges from olive, olive-brown, to olive-gray. Body has three yellow or light colored stripes running down the length of the body, darker towards tail. Species distinguished from other native gartersnakes by the lateral stripes reaching the 3rd and 4th scale rows. Paired black spots extend along dorsolateral fields.	Apache, Cochise, Coconino, Gila, Graham, Navajo, Pima, Pinal, Santa Cruz, Yavapai	130-8,500 ft	Cienegas, stock tanks, large-river riparian woodlands and forests, streamside gallery forests.	Core population areas in the U.S. include mid/upper Verde River drainage, mid/lower Tonto Creek, and the San Rafael Valley and surrounding area. Status on tribal lands unknown. Distributed south into Mexico along the Sierra Madre Occidental and Mexican Plateau. Strongly associated with the presence of a native prey base including leopard frogs and native fish.
Sonoran desert tortoise	<i>Gopherus morafkai</i>	Candidate	Large herbivorous reptile with domed shell and round stumpy hind legs. The carapace is a dull brown or grey color and the plastron is unhinged, often pale yellow in coloration. Sonoran desert tortoises generally have a flatter carapace than tortoises in the Mohave population. Active in spring and during the monsoon; dormant in winter and mid-summer months.	Cochise, Gila, Graham, La Paz, Maricopa, Mohave, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 7,800 ft	Primarily rocky (often steep) hillsides and bajadas of Mohave and Sonoran deserts but may encroach into desert grassland, juniper woodland, interior chaparral habitats, and even pine communities. Washes and valley bottoms may be used in dispersal.	Desert tortoises that occur east and south of the Colorado River in Arizona are known as the Sonoran desert tortoise. Individuals are found throughout their historic range; but populations are becoming increasingly fragmented due to threats to their habitat in valley bottoms, which are used for dispersal and exchange of genetic material.
Sprague's pipit	<i>Anthus spragueii</i>	Candidate	Small, sparrow-sized bird (10-15 cm in length), with buff and blackish streaking on the crown, nape, and underparts. Has a short bill with a blackish upper mandible, a buffy face with a large eye ring, white outer tail feathers and pale to yellowish legs.	Cochise, Maricopa, La Paz, Santa Cruz, Yuma	<5,000 ft	Strong preference to native grasslands with vegetation of intermediate height and lacking woody shrubs.	Rare in Arizona. Few individuals of this elusive species have been sighted during October through March. Native grass fields are rare in Arizona but cultivated, dry Bermuda grass, alfalfa fields mixed with patches of dry grass, or fallow fields appear to support the species during wintering. They will not use mowed or burned areas until the vegetation has had a chance to grow. There are no breeding records in Arizona.
Stephan's riffle beetle	<i>Heterelmis stephani</i>	Candidate	Small aquatic beetle, typically less than 0.11 inches in total length.	Santa Cruz	5,100-6,600 ft	Free-flowing springs and seeps, commonly referred to as rheocrenes.	Current distribution is limited to Sylvester Spring. Historically known from Bog Springs, the type locality. Both springs located in Madera Canyon on the Coronado National Forest.

COMMON NAME	SCIENTIFIC NAME	STATUS	DESCRIPTION	COUNTY	ELEVATION	HABITAT	COMMENTS
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	Candidate	Medium-sized bird with a slender, long-tailed profile, slightly down-curved bill that is blue-black with yellow on the lower half. Plumage is grayish-brown above and white below, with rufous primary flight feathers.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	< 6,500 ft	Large blocks of riparian woodlands (cottonwood, willow, or tamarisk galleries).	Neotropical migrant that winters primarily in South America and breeds primarily in the U.S. (but also in southern Canada and northern Mexico). As a migrant it is rarely detected; can occur outside of riparian areas. Cuckoos are found nesting statewide, mostly below 5,000 feet in central, western, and southeastern Arizona. Concern for cuckoos are primarily focused upon alterations to its nesting and foraging habitat. Nesting cuckoos are associated with relatively dense, wooded, streamside riparian habitat, with varying combinations of Fremont cottonwood, willow, velvet ash, Arizona walnut, mesquite, and tamarisk. Some cuckoos have also been detected nesting in velvet mesquite, netleaf hackberry, Arizona sycamore, Arizona alder, and some exotic neighborhood shade trees.
American peregrine falcon	<i>Falco peregrinus anatum</i>	Delisted	A crow-sized falcon with slate blue-gray on the back and wings, and white on the underside; a black head with vertical "bandit's mask" pattern over the eyes; long pointed wings; and a long wailing call made during breeding. Very adept flyers and hunters, reaching diving speeds of 200 mph.	Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai, Yuma	3,500-9,000 ft	Areas with rocky, steep cliffs, primarily near water, where prey (primarily shorebirds, songbirds, and waterfowl) concentrations are high. Nests are found on ledges of cliffs, and sometimes on man-made structures such as office towers and bridge abutments.	Species recovered with over 1,650 breeding birds in the US and Canada.