

Appendix D. Table of Endangered, Threatened, Proposed, Candidate and Conservation Agreement Species Occurring in Coconino and Yavapai Counties and US Department of Agriculture Forest Service Sensitive Species Occurring on the Red Rock Ranger District of the Coconino National Forest

Threatened, endangered, proposed, candidate, conservation agreement, and sensitive species listed in the Coconino National Forest's *TE&S and MIS Species Narratives* (2001)

Species	USFWS and USFS status ^a	Status of species/habitat in project area (PA)
		(a) Critical habitat present in PA (b) Species or habitat present in PA (c) Neither species nor habitat present in PA
MAMMALS		
Black-footed ferret <i>Mustela nigripes</i>	LE/XN	(c) No suitable habitat, no prairie dogs present in PA.
Lesser long-nosed bat <i>Leptonycteris curasoae yerbabuenae</i>	LE	(c) No suitable habitat, outside of species' range.
Mexican gray wolf <i>Canis lupus baileyi</i>	LE/XN	(c) No suitable habitat, the PA is outside the experimental reintroduction recovery zone.
Southwestern river otter <i>Lutra canadensis sonora</i>	SEN	(c) No suitable habitat, no riparian vegetation present, no flowing stream or river habitat present in PA.
BIRDS		
American peregrine falcon <i>Falco peregrinus anatum</i>	SEN	(b) Suitable habitat present, two known breeding areas occur within 2 miles of PA – one west and one east of the PA.
Bald eagle <i>Haliaeetus leucocephalus</i>	LT/SEN	(b) No known roost sites near PA, wintering bald eagles possible.
Bell's vireo <i>Vireo bellii</i>	SEN	(c) No suitable habitat, no riparian vegetation present in PA.
California brown pelican <i>Pelecanus occidentalis californicus</i>	LE	(c) No suitable habitat, no marine habitat present in PA.
California condor <i>Gymnogyps californianus</i>	LE/XN	(c) PA is outside the experimental reintroduction area boundary.
Common black-hawk <i>Buteogallus anthracinus</i>	SEN	(c) No suitable habitat, no mature riparian deciduous vegetation present in PA.
Mexican spotted owl <i>Strix occidentalis lucida</i>	LT/SEN	(c) No mixed conifer or pine-oak forest, canyons, ravines, or steep slopes present in PA.
Northern goshawk <i>Accipiter gentilis</i>	SEN	(c) No suitable habitat, no forest habitat present.
Southwestern willow flycatcher <i>Empidonax traillii extimus</i>	LE/SEN	(c) No suitable habitat, no dense riparian vegetation present in PA.
Yellow-billed cuckoo <i>Coccyzus americanus</i>	C/SEN	(c) No suitable habitat, no riparian vegetation present in PA.
Yuma clapper rail <i>Rallus longirostris yumanensis</i>	SEN	(c) No suitable habitat, no wetland or marsh habitat present.
REPTILES		
Arizona night lizard <i>Xantusia vigilis arizonae</i>	SEN	(b) Suitable habitat occurs within PA.
Mexican garter snake <i>Thamnophis eques megalops</i>	SEN	(c) No suitable habitat, PA is above species elevation range.
Narrow-headed garter snake <i>Thamnophis rufipunctatus</i>	SEN	(c) No suitable habitat, PA is above species elevation range.
AMPHIBIANS		
Arizona toad <i>Bufo microscaphus microscaphus</i>	SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Chiricahua leopard frog <i>Rana chiricahuensis</i>	LT/SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Lowland leopard frog <i>Rana yavapaiensis</i>	SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Northern leopard frog <i>Rana pipiens</i>	SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
FISHES		
Apache (Arizona) trout <i>Oncorhynchus apache</i>	LT	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Colorado white salmon (pikeminnow) <i>Ptychocheilus lucius</i>	LE/SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Desert pupfish <i>Cyprinodon macularius</i>	LE	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Gila chub <i>Gila intermedia</i>	PE/SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Gila topminnow <i>Poeciliopsis occidentalis occidentalis</i>	LE	(c) No suitable habitat, no streams, rivers, or ponds present in PA.

Continued on page D-3

Threatened, endangered, proposed, candidate, conservation agreement, and sensitive species listed in the Coconino National Forest's *TE&S and MIS Species Narratives (2001)* (Continued)

Species	USFWS and USFS status ^a	Status of species/habitat in project area (PA)
		(a) Critical habitat present in PA (b) Species or habitat present in PA (c) Neither species nor habitat present in PA
FISHES		
Gila trout <i>Oncorhynchus gilae gilae</i>	SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Humpback chub <i>Gila cypha</i>	LE	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Little Colorado spinedace <i>Lepidomeda vittata</i>	LT	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Loach minnow <i>Tiaroga cobitis</i>	LT/SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Razorback sucker <i>Xyrauchen texanus</i>	LE/SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Roundtail chub <i>Gila robusta</i>	SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
Spikedace <i>Meda fulgida</i>	LT/SEN	(c) No suitable habitat, no streams, rivers, or ponds present in PA.
SNAILS		
Fossil springsnail <i>Pyrgulopsis simplex</i>	SEN	(c) No suitable habitat, no springs or seeps present, and PA is outside species' range.
Kanab ambersnail <i>Oxyloma haydeni kanabensis</i>	LE	(c) No suitable habitat, no springs or seeps present, and PA is outside species' range.
Page springsnail <i>Pyrgulopsis morrisoni</i>	C/SEN	(c) No suitable habitat, no springs or seeps present, and PA is outside species' range.
INSECTS		
Aryxna giant skipper <i>Agathymus aryxna</i>	SEN	(b) Suitable habitat present, host species present in PA.
Blue-black silverspot butterfly <i>Speyeria nokomis nokomis</i>	SEN	(b) Suitable habitat present, agave species present in PA.
Comstock's hairstreak <i>Callophrys comstocki</i>	SEN	(b) Suitable habitat present, buckwheat species present in PA.
Early elfin <i>Incisalia fotis</i>	SEN	(b) Suitable habitat present, host species present in PA.
Freeman's agave borer <i>Agathymus baueri freemani</i>	SEN	(b) Suitable habitat present, rocky slopes in chaparral and conifer woodland present in PA.
Maricopa tiger beetle <i>Cicindela oregona maricopa</i>	SEN	(c) No suitable habitat, no permanent or intermittent streams or riparian vegetation present and PA is above species elevation range.
Mountain silverspot butterfly <i>Speyeria nokomis nitocris</i>	SEN	(c) No suitable habitat, no moist meadows, seeps, marshes, or streams present in PA.
Neumogen's giant skipper <i>Agathymus neumogeni</i>	SEN	(b) Suitable habitat present, host species present in PA.
Obsolete viceroy butterfly <i>Limenitis archippus obsoleta</i>		(c) No suitable habitat, no cottonwood/willow habitat present in PA.
Spotted skipperling <i>Piruna polingi</i>	SEN	(c) No suitable habitat, no moist woodland openings with lush vegetation, meadows, or ravines present in PA.
Tiger beetle <i>Cicindela hirticollis corpuscular</i>	SEN	(c) No suitable habitat, no rivers or streams present in PA.
PLANTS		
Arizona agave <i>Agave arizonica</i>	LE	(c) The PA occurs outside the historic range of this species.
Arizona bugbane <i>Cimicifuga arizonica</i>	CA/SEN	(c) No suitable habitat, no drainages, seeps, or springs present in PA.
Arizona cliffrose <i>Purshia subintegra</i>	LE/SEN	(c) No suitable habitat, no suitable substrate present in PA.
Brady pincushion cactus <i>Pediocactus bradyi</i>	LE	(c) No suitable habitat, no gravelly alluvium on open, sparsely vegetated benches or terraces of plateaus in PA, out of species range.

Continued on page D-4

Threatened, endangered, proposed, candidate, conservation agreement, and sensitive species listed in the Coconino National Forest's *TE&S and MIS Species Narratives (2001)* (Continued)

Species	USFWS and USFS status ^a	Status of species/habitat in project area (PA)
		(a) Critical habitat present in PA (b) Species or habitat present in PA (c) Neither species nor habitat present in PA
Cliff fleabane <i>Erigeron saxatilis</i>	SEN	(c) No suitable habitat, no streams in shady canyons, sheer canyon walls, moist north-facing slopes, or steep solid rock or bedrock outcrops present in PA.
Eastwood alumroot <i>Heuchera eastwoodiae</i>	SEN	(c) No suitable habitat, no moist slopes or ponderosa pine forest present in PA.
Fickeisen pincushion cactus <i>Pediocactus peeblesianus fickeiseniae</i>	C	(c) No suitable habitat, no suitable substrate (exposed layers of Kaibab limestone) present in PA.
Flagstaff pennyroyal <i>Hedeoma diffusum</i>	SEN	(c) No suitable habitat, no ponderosa pine, no suitable substrate present in PA.
Flagstaff penstemon <i>Penstemon nudiflorus</i>	SEN	(c) No suitable habitat, no slopes with ponderosa pine present in PA.
Heathleaf wild buckwheat <i>Eriogonum ericifolium</i> var. <i>ericifolium</i>	SEN	(c) No suitable habitat, no suitable substrate present.
Hualapai milkwort <i>Polygala rusbyi</i>	SEN	(b) Suitable habitat occurs within PA.
Kaibab plains cactus <i>Pediocactus paradinei</i>	CA	(c) No suitable habitat, no pinyon-juniper woodlands or open grama grass alluvials present in PA.
Navajo sedge <i>Carex specuicola</i>	LT	(c) No suitable habitat, no streamside habitat, no suitable substrate, and PA is below species elevation range.
Ripley wild buckwheat <i>Eriogonum ripleyi</i>	SEN	(c) No suitable habitat, no tertiary lakebeds on well-drained powdery soils
Rusby milk-vetch <i>Astragalus rusbyi</i>	SEN	(c) No suitable habitat, outside of species' elevation range.
San Francisco Peaks groundsel <i>Senecio franciscanus</i>	LT	(c) No suitable habitat, no volcanic slopes of alpine tundra present, and PA is below species elevation range.
Sentry milk vetch <i>Astragalus cremnophylax</i> var. <i>cremnophylax</i>	LE	(c) No suitable habitat, pinyon-juniper-cliffrose plant community not present, and PA is above species elevation range.
Siler pincushion cactus <i>Pediocactus sileri</i>	LT	(c) No suitable habitat, PA is not ecotonal between Mohave and Great Basin Desertscrub.
Tonto Basin agave <i>Agave delamateri</i>	SEN	(b) Suitable habitat present within PA.
Verde Valley sage <i>Salvia dorrii mearnsii</i>	SEN	(b) Suitable habitat present within PA.
Welsh's milkweed <i>Asclepias welshii</i>	LT	(c) No suitable habitat, no sand dunes present.

^aStatus Definitions: USFWS=U.S. Fish and Wildlife Service, USFS=U.S. Department of Agriculture Forest Service, LE=Listed Endangered, LT=Listed Threatened, PE=Proposed Endangered, XN=Experimental Nonessential population, C=Candidate, CA=Conservation Agreement, SEN= Sensitive (those taxa occurring on National Forests in Arizona that are considered sensitive by the Regional Forester).