

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Arizona State Office
One North Central Avenue, Suite 800
Phoenix, Arizona 85004-4427

March 1, 2017

In Reply Refer To:
6840 (9300) P

EMS TRANSMISSION 03/03/2017
Instruction Memorandum No. AZ-IM-2017-009
Expires: 9/30/2020

To: All Field Offices

From: State Director

Subject: Updated Bureau of Land Management Sensitive Species List for Arizona

Purpose: The purpose of this Instruction Memorandum (IM) is to replace expired IM No. AZ-2011-005, listing Bureau of Land Management (BLM) sensitive plant and animal species, which occur on BLM administered lands in Arizona consistent with Manual Section 6840 and current WO-230 guidance.

Policy/Action: The BLM Sensitive Species List for Arizona is contained in the Attachment. The list was developed using the criteria set forth in BLM Manual Section 6840, *Special Status Species Management*, and also includes: species listed or proposed to be listed as threatened or endangered pursuant to Section 4 of the Endangered Species Act of 1973 (ESA), federally designated candidate species, and delisted species in the 5 years following their delisting. Species appearing on the attached list will be managed as BLM sensitive, as described in BLM Manual Section 6840.

In addition to the species identified in the attached list, all species identified by BLM California as BLM sensitive, which occur on public lands in California administered by the Colorado River District, are to be managed as BLM sensitive in California. The lists of BLM California sensitive species can be found on the BLM California public web page at:

<https://www.blm.gov/programs/fish-and-wildlife/threatened-and-endangered/state-te-data/california>

Timeframe: This list is effective immediately.

Budget Impact: None.

Background: The BLM Manual Section 6840 describes the following criteria for BLM sensitive species:

In compliance with existing laws, including the BLM multiple-use mission as specified in the Federal Land Policy and Management Act of 1976, the BLM shall designate BLM sensitive species and implement measures to conserve these species and their habitats, including ESA proposed critical habitat, to promote their conservation and reduce the likelihood and need for such species to be listed pursuant to the ESA. All federally designated candidate species, proposed species, and delisted species in the 5 years following their delisting shall be conserved as BLM sensitive species.

- A. State Directors shall designate species within their respective states as BLM sensitive using the following criteria. For species inhabiting multiple states, State Directors shall coordinate with one another in the designation of BLM sensitive species so that species status is consistent across the species' range on BLM administered lands, where appropriate.

Species designated as BLM sensitive must be native species found on BLM administered lands for which the BLM has the capability to significantly affect the conservation status of the species through management, and either:

(1) There is information that a species has recently undergone, is undergoing, or is predicted to undergo a downward trend such that the viability of the species or a distinct population segment of the species is at risk across all or a significant portion of the species' range, or

(2) The species depends on ecological refugia or specialized or unique habitats on BLM administered lands, and there is evidence that such areas are threatened with alteration such that the continued viability of the species in that area would be at risk.

The BLM Manual Section 6840 directs the BLM to manage BLM sensitive species and their habitats to minimize or eliminate threats affecting the status of the species or to improve the condition of the species' habitat.

This revised BLM Arizona Sensitive Species List updates the 2010 list and reflects the following changes:

- The list includes species listed or proposed as threatened or endangered, pursuant to the ESA, as amended, which occur, or potentially occur on BLM managed public lands. This list does not replace the need to obtain a "species list" from the U.S. Fish and Wildlife Service (Service) for ESA compliance. Species lists can be obtained on-line at <https://ecos.fws.gov/ipac/>.
- Should the Service add species to the list of candidates, they will be considered BLM sensitive if they occur or are likely to occur on BLM managed lands in Arizona.

- The list includes species covered by conservation agreements to which the BLM is a signatory. Two former candidates with conservation agreements, Sonoran desert tortoise (*Gopherus morafkai*) and relict leopard frog (*Lithobates onca*), have been added to the list.
- The list includes species which have been petitioned for listing pursuant to the ESA and received a positive 90-day finding (substantial scientific information was presented indicating listing may be warranted) and which occur or likely occur on BLM administered public lands in Arizona and for which BLM management could likely affect the conservation status. Five species, monarch butterfly (*Danaus plexippus plexippus*), Sonoran tallussnail (*Sonorella magdalenensis*), Arizona toad (*Anaxyrus microscaphus*), desert massasauga (*Sistrurus catenatus edwardsii*) and Joshua tree (*Yucca brevifolia*), have been added to the list.
- Arizona eryngo (*Eryngium sparganophyllum*), a wetland dependent plant, has been added to the list.
- Generic groupings of Hydrobiid spring snails in genus *Pyrgulopsis* and Succineid snails in the family Succineidae have been removed from the list.
- Taxonomic updates and the results of status reviews are reflected in this list. Two former candidates, Tucson shovel-nosed snake (*Chionactis occipitalis klauberi*) and Sprague's pipit (*Anthus spragueii*), are not included in the list.
- District occurrence information has been updated.

Directives Affected: Replaces Expired IM No. AZ-2011-005.

Contact: If you have any questions, please contact Tim Hughes at 602-417-9356, or Elroy Masters at 602-417-9346.

SIGNED BY:
Deborah K. Rawhouser
for Raymond Suazo

AUTHENTICATED BY:
Susan Williams
Staff Assistant

1 Attachment:

- 1 – [BLM Arizona Sensitive Species List](#)
(6 pp)

cc: Director (WO-230)

Bureau of Land Management, Arizona - Bureau Sensitive Species List (February 2017)

INVERTEBRATES

Common Name	Scientific Name	Status	ASDO	CRDO	GDO	PDO	Habitat/Notes
Arizona Cave Amphipod	<i>Stygobromus arizonensis</i>	BLMS			h		wet caves and mines
Bylas Springsnail	<i>Pyrgulopsis arizonae</i>	BLMS			v		springs (Positive 90-day Finding)
Desert Springsnail	<i>Pyrgulopsis deserta</i>	BLMS	h				springs along the Virgin River
Gila Tryonia	<i>Tryonia gilae</i>	BLMS			v		springs (Positive 90-day Finding)
Grand Wash Springsnail	<i>Pyrgulopsis bacchus</i>	BLMS	v				springs (Positive 90-day Finding)
Kingman Springsnail	<i>Pyrgulopsis conica</i>	BLMS		v			springs (Positive 90-day Finding)
Monarch Butterfly	<i>Danaus plexippus plexippus</i>	BLMS	v	v	v	v	(Positive 90-day Finding)
Sonoran Talussnail	<i>Sonorella magdalenensis</i>	BLMS			v		talus slopes (Positive 90-day Finding)

FISH

Common Name	Scientific Name	Status	ASDO	CRDO	GDO	PDO	Habitat/Notes
Bluehead Sucker	<i>Catostomus discobolus</i>	BLMS	h		h		Conservation Agreement
Bonytail Chub	<i>Gila elegans</i>	FE w/CH		v-CH			See Federal Register & Recovery Plan
Desert Pupfish	<i>Cyprinodon macularius</i>	FE			v	v	See Federal Register & Recovery Plan
Desert Sucker	<i>Catostomus clarki</i>	BLMS	v	v	v	v	aquatic
Flannelmouth Sucker	<i>Catostomus latipinnis</i>	BLMS	v				Conservation Agreement
Gila Chub	<i>Gila intermedia</i>	FE w/CH			v-CH	v-CH	See Federal Register & Recovery Plan
Gila Topminnow	<i>Poeciliopsis occidentalis occidentalis</i>	FE			v	v	See Federal Register & Recovery Plan
Little Colorado Spinedace	<i>Lepidomeda vittata</i>	FT			v		See Federal Register & Recovery Plan
Little Colorado Sucker	<i>Catostomus</i> sp.	BLMS			v		Conservation Agreement
Loach Minnow	<i>Tiaroga cobitis</i>	FE w/CH			v-CH		See Federal Register & Recovery Plan
Longfin Dace	<i>Agosia chrysogaster</i>	BLMS		v	v	v	aquatic
Razorback Sucker	<i>Xyrauchen texanus</i>	FE w/CH		v-CH	h-CH		See Federal Register & Recovery Plan
Roundtail Chub	<i>Gila robusta</i>	pT BLMS		v	v		Conservation Agreement, See Federal Register
Sonora Sucker	<i>Catostomus insignis</i>	BLMS		v	v	v	aquatic
Speckled Dace	<i>Rhinichthys osculus</i>	BLMS	v	v	v	v	aquatic
Spikedace	<i>Meda fulgida</i>	FE w/CH			v-CH	h	See Federal Register & Recovery Plan
Virgin River Chub	<i>Gila seminuda</i>	FE w/CH	v-CH				See Federal Register & Recovery Plan
Virgin Spinedace	<i>Lepidomeda mollispinis mollispinis</i>	BLMS	v				Conservation Agreement (Positive 90-day Finding)

Woundfin	<i>Plagopterus argentissimus</i>	FE w/CH	v-CH				See Federal Register & Recovery Plan
AMPHIBIANS							
Common Name	Scientific Name	Status	ASDO	CRDO	GDO	PDO	Habitat/Notes
Arizona Toad	<i>Anaxyrus microscaphus</i>	BLMS	v	v	v	v	mid elevation riparian/wetlands (Positive 90-day Finding)
Chiricahua Leopard Frog	<i>Lithobates chiricahuensis</i>	FT w/CH			v-CH		See Federal Register & Recovery Plan
Great Plains Narrow-mouthed Toad	<i>Gastrophryne olivacea</i>	BLMS			v	v	healthy grasslands
Lowland Burrowing Treefrog	<i>Smilisca fodiens</i>	BLMS				v	healthy grasslands
Lowland Leopard Frog	<i>Lithobates yavapaiensis</i>	BLMS		v	v	v	wetlands
Northern Leopard Frog	<i>Lithobates pipiens</i>	BLMS	v		v	h	wetlands
Plains Leopard Frog	<i>Lithobates blairi</i>	BLMS			h		wetlands
Relict Leopard Frog	<i>Lithobates onca</i>	BLMS	h	v			Conservation Agreement, See Federal Register (12 Month Finding)
Sonoran Green Toad	<i>Anaxyrus retiformis</i>	BLMS			v	v	healthy grasslands
REPTILES							
Common Name	Scientific Name	Status	ASDO	CRDO	GDO	PDO	Habitat/Notes
Arizona Striped Whiptail	<i>Aspidozelis arizonae</i>	BLMS			v		healthy grasslands, north end of Wilcox Playa (Positive 90-day Finding)
Desert Massasauga	<i>Sistrurus catenatus edwardsii</i>	BLMS			h		healthy grasslands (Positive 90-day Finding)
Desert Ornate Box Turtle	<i>Terrapene ornata</i>	BLMS			v		healthy grasslands
Flat-tailed Horned Lizard	<i>Phrynosoma mcallii</i>	BLMS		v			Conservation Agreement
Mojave Desert Tortoise	<i>Gopherus agassizii</i>	FT w/CH	v-CH	v			See Federal Register & Recovery Plan
Mojave Fringe-toed Lizard	<i>Uma scoparia</i>	BLMS		v			sand
Narrow-headed Gartersnake	<i>Thamnophis rufipunctatus</i>	FT w/pCH			h-pCH		See Federal Register
New Mexico Ridge-nosed Rattlesnake	<i>Crotalus willardi obscurus</i>	FT			v		See Federal Register & Recovery Plan
Northern Mexican Gartersnake	<i>Thamnophis eques megalops</i>	FT w/pCH		v-pCH	v-pCH	h-pCH	See Federal Register
Slevin's Bunchgrass Lizard	<i>Sceloporus slevini</i>	BLMS			v		healthy grasslands
Sonoran Desert Tortoise	<i>Gopherus morafkai</i>	BLMS		v	v	v	Conservation Agreement
Sonora Mud Turtle	<i>Kinosternon sonoriense sonoriense</i>	BLMS		v	v	v	Riparian/aquatic
Yuman Desert Fringe-toed Lizard	<i>Uma rufopunctata</i>	BLMS		v			sand (Positive 90-day Finding)
BIRDS (breeding)							
Common Name	Scientific Name	Status	ASDO	CRDO	GDO	PDO	Habitat/Notes
American Peregrine Falcon	<i>Falco peregrinus anatum</i>	BLMS	v	v	v	v	cliffs
Arizona Botteri's Sparrow	<i>Peucaea botterii arizonae</i>	BLMS			v		healthy grasslands

Arizona Grasshopper Sparrow	<i>Ammodramus savannarum ammolegus</i>	BLMS			v		healthy grasslands
Bald Eagle	<i>Haliaeetus leucocephalus</i>	BLMS	h	v	v	v	Conservation Agreement [BGEPA]
Cactus Ferruginous Pygmy-Owl	<i>Glaucidium brasilianum cactorum</i>	BLMS			v	v	dense Sonoran scrub washes
California Black Rail	<i>Laterallus jamaicensis coturniculus</i>	BLMS		v	h		marshes
California Condor	<i>Gymnogyps californianus</i>	FE/NEP	v	h	h	h	See Federal Register, Recovery Plan & 10(j) Rule
California Least Tern	<i>Sterna antillarum browni</i>	FE		h	h	h	See Federal Register & Recovery Plan
Desert Purple Martin	<i>Progne subis hesperia</i>	BLMS		h	v	v	saguaro cacti
Ferruginous Hawk	<i>Buteo regalis</i>	BLMS	v	h	v	h	healthy grasslands
Gilded Flicker	<i>Colaptes chrysoides</i>	BLMS		v	v	v	saguaro cacti
Golden Eagle	<i>Aquila chrysaetos</i>	BLMS	v	v	v	v	[BGEPA]
Le Conte's Thrasher	<i>Toxostoma lecontei</i>	BLMS		v	v	v	remote creosote scrub
Mexican Spotted Owl	<i>Strix occidentalis lucida</i>	FT w/CH	h-CH	h	v	h	See Federal Register & Recovery Plan
Northern Aplomado Falcon	<i>Falco femoralis septentrionalis</i>	FE/NEP			h		See Federal Register, Recovery Plan & 10(j) Rule
Northern Goshawk	<i>Accipiter gentilis atricapillus</i>	BLMS	v	v	h	h	healthy forests
Pinyon Jay	<i>Gymnorhinus cyanocephalus</i>	BLMS	v	v	v	v	healthy pinyon pine
Southwestern Willow Flycatcher	<i>Empidonax traillii extimus</i>	FE w/CH	v-CH	v-CH	v-CH	h	See Federal Register & Recovery Plan
Western Burrowing Owl	<i>Athene cunicularia hypugaea</i>	BLMS	v	v	v	v	grasslands, undeveloped valley bottoms
Western Yellow-billed Cuckoo (DPS)	<i>Coccyzus americanus</i>	FT w/pCH	v-pCH	v-pCH	v-pCH	v-pCH	See Federal Register
Yuma Ridgway's (Clapper) Rail	<i>Rallus obsoletus (=longirostris) yumanensis</i>	FE	h	v	h	v	See Federal Register & Recovery Plan

MAMMALS

Common Name	Scientific Name	Status	ASDO	CRDO	GDO	PDO	Habitat/Notes
Allen's Big-eared Bat	<i>Idionycteris phyllotis</i>	BLMS	v	v	v	h	caves, mines
Arizona Myotis	<i>Myotis occultus</i>	BLMS	h	v	v	h	caves, mines
Banner-tailed Kangaroo Rat	<i>Dipodomys spectabilis</i>	BLMS			v		healthy grasslands
Black-tailed Prairie Dog	<i>Cynomys ludovicianus</i>	BLMS			v		healthy grasslands
California Leaf-nosed Bat	<i>Macrotus californicus</i>	BLMS	h	v	v	v	caves, mines
Cave Myotis	<i>Myotis velifer</i>	BLMS		v	v	v	caves, mines
Greater Western Mastiff Bat	<i>Eumops perotis californicus</i>	BLMS	v	v	v	v	caves, mines
Gunnison's Prairie Dog	<i>Cynomys gunnisoni</i>	BLMS		h	v	h	healthy grasslands
Houserock Valley Chisel-toothed Kangaroo Rat	<i>Dipodomys microps leucotis</i>	BLMS	v				Atriplex scrub
Hualapai Mexican Vole	<i>Microtus mexicanus hualpaiensis</i>	FE pDelist		v			See Federal Register & Recovery Plan
Jaguar	<i>Panthera onca</i>	FE w/CH			v-CH		See Federal Register & Recovery Plan
Lesser Long-nosed Bat	<i>Leptonycteris curasoae yerbabuena</i>	FE pDelist			v	v	See Federal Register & Recovery Plan

Mexican Gray Wolf	<i>Canis lupus baileyi</i>	FE/NEP			h	h	See Federal Register, Recovery Plan & 10(j) Rule
Mexican Long-tongued Bat	<i>Choeronycteris mexicana</i>	BLMS			v		caves/mines
Ocelot	<i>Leopardus pardalis</i>	FE			h		See Federal Register & Recovery Plan
Sonoran Pronghorn	<i>Antilocapra americana sonoriensis</i>	FE/NEP		v	h	v	See Federal Register, Recovery Plan & 10(j) Rule
Spotted Bat	<i>Euderma maculatum</i>	BLMS	v	h	h	h	caves/ mines
Townsend's Big-eared Bat	<i>Corynorhinus (=Plecotus) townsendii</i>	BLMS	v	v	v	v	caves/mines
PLANTS							
Common Name	Scientific Name	Status	ASDO	CRDO	GDO	PDO	Habitat/Notes
Acuna Cactus	<i>Echinomastus erectocentrus var. acunensis</i>	FE w/CH			v-CH	v-CH	See Federal Register
Aquarius Milkvetch	<i>Astragalus newberryi var. aquaria</i>	BLMS		v			narrow range, limestone deposits, Burro Creek area
Aravaipa Sage	<i>Salvia amissa</i>	BLMS			v		narrow range, floodplain terraces in shady canyons
Aravaipa Woodfern	<i>Thelypteris puberula var. sonorensis</i>	BLMS		v	v	h	few scattered springs
Arizona Cliffrose	<i>Purshia subintegra</i>	FE		v			See Federal Register & Recovery Plan
Arizona Eryngo	<i>Eryngium sparganophyllum</i>	BLMS			v		Arid land springs, cienegas
Arizona Hedgehog Cactus	<i>Echinocereus triglochidiatus var. arizonicus</i>	FE			v	h	See Federal Register
Arizona Sonoran Rosewood	<i>Vauquelinia californica ssp. sonorensis</i>	BLMS			v	v	relict species in shady canyons
Bartram Stonecrop	<i>Graptopetalum bartramii</i>	BLMS			v		narrow range, rocky outcrops in canyons w/Madreaan Woodland (Positive 90-day Finding)
Blue Sand Lily	<i>Triteleopsis palmeri</i>	BLMS		v			sand dunes and sandy soils
Brady Pincushion Cactus	<i>Pediocactus bradyi</i>	FE	v				See Federal Register & Recovery Plan
California Flannelbush	<i>Fremontodendron californicum</i>	BLMS		v		v	relict populations in shady canyons
Chihuahua Breadroot (Scurfpea)	<i>Pediomelum pentaphyllum</i>	BLMS			v		Healthy grasslands (Positive 90-day Finding)
Clifton Rock Daisy	<i>Perityle ambrosiifolia</i>	BLMS			v		narrow range, cliff faces of Gila Conglomerate
Dalhouse Spleenwort	<i>Asplenium (=Ceterach) dalhousiae</i>	BLMS			v		cliff face seeps, Mule Mountains
Diamond Butte Milkvetch	<i>Astragalus toanus var. scidulus</i>	BLMS	v				narrow range, Moenkopi Formation badlands w/red soils
Fickeisen Plains Cactus	<i>Pediocactus peeblesianus var. fickeiseniae</i>	FE w/CH	v-CH			v-CH	See Federal Register
Fish Creek Fleabane	<i>Erigeron piscaticus</i>	BLMS			v		narrow range, floodplain terraces shady canyons (Positive 90-day Finding)
Gentry Indigo Bush	<i>Dalea tentaculoides</i>	BLMS			v		narrow range, floodplain terraces in shady canyons
Giant Sedge	<i>Carex spissa</i>	BLMS			v	v	springs
Gierisch Mallow	<i>Sphaeralcea gierischii</i>	FE w/CH	v-CH				See Federal Register
Grand Canyon Rose	<i>Rosa stellata var. abyssa</i>	BLMS	v				narrow range, limestone cliff rims

Holmgren (Paradox) Milk Vetch	<i>Astragalus holmgreniorum</i>	FE w/CH	v-CH				See Federal Register & Recovery Plan	
Huachuca Golden Aster	<i>Heterotheca rutteri</i>	BLMS			v		narrow range, Plains Grassland, LCNCA	
Huachuca Milkvetch	<i>Astragalus hypoxylus</i>	BLMS			h		narrow range	
Huachuca Water Umbel	<i>Lilaeopsis schaffneriana ssp. recurva</i>	FE w/CH				v-CH	See Federal Register	
Jones Cycladenia	<i>Cycladenia humilis var. jonesii</i>	FT	v				See Federal Register	
Joshua Tree	<i>Yucca brevifolia</i>	BLMS	v	v		v	(Positive 90-day Finding)	
Kaibab (Paradine) Plains Cactus	<i>Pediocactus paradinei</i>	BLMS	v				Conservation Agreement	
Kearney's Blue Star	<i>Amsonia kearneyana</i>	FE				v	See Federal Register & Recovery Plan	
Kearney Sumac	<i>Rhus kearneyi ssp. kearneyi</i>	BLMS			v		relict species in shady canyons	
Kofa Mountain Barberry	<i>Berberis harrisoniana</i>	BLMS			v	v	relict species in shady canyons	
Marble Canyon Indigo Bush	<i>Psoralea arborescens var. pubescens</i>	BLMS	v				narrow range, red soils of Moenkopi Formation, Marble Canyon	
Marble Canyon Milkvetch	<i>Astragalus cremnophylax var. hevronii</i>	BLMS	v				narrow range, limestone cliff rims, Marble Canyon	
Mt Trumbull Beardtongue	<i>Penstemon distans</i>	BLMS	v				narrow range, limestone soils	
Murphey Agave	<i>Agave murpheyi</i>	BLMS			h	v	low numbers, desert foothills, central AZ	
Nichol Turk's Head Cactus	<i>Echinocactus horizonthalonius var. nicholii</i>	FE				v	See Federal Register & Recovery Plan	
Paria Plateau (Siler) Fishhook Cactus	<i>Sclerocactus sileri</i>	BLMS	v				narrow range, sandy soils, Paria Plateau	
Parish Phacelia	<i>Phacelia parishii</i>	BLMS			v		narrow range, limestone deposits, Burro Creek area, dry lake beds, Red Lake	
Parish Wild Onion	<i>Allium parishii</i>	BLMS			v		narrow range, higher elevation desert mountains, Mohave Mountains	
Peebles Navajo Cactus	<i>Pediocactus peeblesianus var. peeblesianus</i>	FE				v	See Federal Register & Recovery Plan	
Pima Indian Mallow	<i>Abutilon parishii</i>	BLMS			h	v	h	rocky slopes, desert mountains
Pima Pineapple Cactus	<i>Coryphantha scheeri var. robustispina</i>	FE				v	See Federal Register	
Pinto Beardtongue	<i>Penstemon bicolor</i>	BLMS			v		narrow range, desert washes, Black Mountains	
Purple-spike Coralroot	<i>Hexalectris warnockii</i>	BLMS				v	few populations, leaf litter under Madrean Woodland, Mule Mtns	
Round-leaf Broom	<i>Errazurizia rotundata</i>	BLMS				v	narrow range, Shinarump Hills, Holbrook area	
San Pedro River Wild Buckwheat	<i>Eriogonum terrenatum</i>	BLMS				v	narrow range, limestone and clay soils of St. David Formation, SPRNCA	
Sand Food	<i>Pholisma sonora</i>	BLMS			v		sand dunes, Yuma area	
Scaly Sand Food	<i>Pholisma arenarium</i>	BLMS			v		sand dunes, Cactus Plain	
Schott Wire-lettuce	<i>Stephanomeria exiqua ssp. exiqua</i>	BLMS			v		h	sand dunes, sandy soils
September 11 Stickleaf	<i>Mentzelia memorabilis</i>	BLMS	v				narrow range, gypsum soils of Harrisburg Formation	
Siler Pincushion Cactus	<i>Pediocactus sileri</i>	FT	v				See Federal Register & Recovery Plan	

Silverleaf Sunray	<i>Enceliopsis argophylla</i>	BLMS	v	v			narrow range, gypsum soils of Moenkopi Formation
Smooth Catseye	<i>Cryptantha semiglabra</i>	BLMS	v				extremely narrow range
Sticky Wild Buckwheat	<i>Eriogonum viscidulum</i>	BLMS	v				narrow range, sandy loam soils, Virgin River Valley
Three-cornered Milkvetch	<i>Astragalus geyeri</i> var. <i>triquetrus</i>	BLMS	v				narrow range, sandy loam soils, Virgin River Valley
Tumamoc Globeberry	<i>Tumamoca macdougalii</i>	BLMS			v	v	few populations, Sonoran Desert plains
Welch's Milkweed	<i>Asclepias welshii</i>	FT	v				See Federal Register & Recovery Plan
White-margined Penstemon	<i>Penstemon albomarginatus</i>	BLMS		v			narrow range, sandy loam soils

Status and Occurrence Abbreviations:

<u>Abbreviation</u>	<u>Definition</u>
FE	Federally Endangered
pE	Proposed Endangered
FT	Federally Threatened
pT	Proposed Threatened
CH	Designated Critical Habitat
pCH	Proposed Critical Habitat
pDelist	Proposed for Delisting
NEP	Nonessential Experimental Population designated pursuant to Section 10(j) of the ESA
DPS	Distinct Population Segment
C	Federal Candidate
BLMS	Arizona Bureau of Land Management Sensitive
BGEPA	Bald and Golden Eagle Protection Act of 1940
v	Known Occurrence within the last 10 years
h	Historic or Potential Occurrence
Positive 90-day Finding	Petition for listing was found to contain substantial information indicating listing may be warranted.
ASDO	Arizona Strip District Office: [Grand Canyon – Parashant NM & Arizona Strip Field Office including Vermillion Cliffs NM]
CRDO	Colorado River District Office: [Kingman, Lake Havasu and Yuma field offices]
GDO	Gila District Office: [Safford Field Office including Gila Box Riparian NCA & Tucson Field Office including Ironwood Forest NM, San Pedro Riparian NCA, & Las Cienegas NCA]
PDO	Phoenix District Office: [Hassayampa Field Office including Agua Fria NM & Lower Sonoran Field Office including Sonoran Desert NM]