

## Status of Sensitive Animal and Plant Species in Grand Canyon National Park

### WILDLIFE AND FISH

(Revised March 1996, Contact: Jim Petterson)

The following park animals are on the official list of endangered or threatened wildlife that is maintained by the U.S. Fish and Wildlife Service. The park also provides habitat for 12 Federal Candidate Category 2 species.

- a. Bald Eagle, Haliaeetus leucocephalus - Endangered
- b. American Peregrine Falcon, Falco peregrinus anatum - Endangered
- c. Mexican Spotted Owl, Strix occidentalis lucida - Threatened
- d. Southwestern Willow Flycatcher, Empidonax trailii extimus - Endangered
- e. Humpback Chub, Gila cypha - Endangered
- f. Razorback Sucker, Xyrauchen texanus - Endangered
- g. Kanab Ambersnail, Oxyloma haydeni kanabensis - Endangered

Due to recovery plan goals being met, plans in 1996 call for the bald eagle to be downlisted to threatened status, and the American peregrine falcon to be removed entirely from the Endangered Species list. Monitoring efforts are underway for most of the remaining threatened and endangered species that reside within the park. The "List of Threatened Native Wildlife in Arizona," developed by the Arizona Game and Fish Commission, includes 21 species found in the park.

### PLANTS

(Revised January 1996, Contact: Nancy Brian)

**LE: Listed endangered, imminent jeopardy of extinction.**

*Astragalus cremnophylax* var. *cremnophylax* (Sentry milk-vetch)

**LT: Listed threatened, imminent jeopardy of becoming endangered.** No LT plants are known from Grand Canyon.

**C1: Category 1,** determined to be appropriate for listing but currently precluded due to other listing priorities. No C1 plants are known from Grand Canyon.

**C2: Category 2**, current information indicates that proposing to list as endangered or threatened is possible. Appropriate, but substantial biological information is not on file to support an immediate rulemaking.

*Arctomecon californica* (California bearclaw-poppy)  
*Argemone arizonica* (Roaring Springs prickly poppy)  
*Camissonia confertiflora* (Bunchflower evening primrose)  
*Camissonia specuicola* ssp. *hesperia* (Western cave dweller evening primrose)  
*Rosa stellata* ssp. *abyssa* (Grand Canyon rose)  
*Silene rectiramea* (Straightbranched catchfly)  
*Talinum validulum* (Tusayan flameflower)

**C3: Category 3**, once considered, but now found to be inappropriate for listing. There are three sections to this category:

**3a:** Extinct. No plants from Grand Canyon in this subcategory.

**3b:** Names that, on the basis of current taxonomic understanding, do not represent taxa meeting the Endangered Species Act's definition of 'species.'

*Draba asperella* var. *kaibabensis* (Kaibab whitlow-grass)  
*Draba asperella* var. *stelligera* (Shorthair whitlow-grass)  
*Opuntia basilaris* var. *longiareolata* (Grand Canyon beavertail)  
*Opuntia phaeacantha* var. *mojavensis* (Mohave prickly pear)  
*Phacelia filiformis* (no common name)  
*Thelypodopsis purpusii* (Kearney's mustard)

**3c:** Taxa that have proven to be more abundant or widespread than was previously believed, and/or those that are not subject to any identifiable threat.

*Agave utahensis* ssp. *kaibabensis* (Kaibab century plant)  
*Arabis gracilipes* (Slender rock cress)  
*Camissonia specuicola* var. *specuicola* (Cave dweller evening primrose)  
*Carex scirpoidea* var. *curatorum* (Canyonlands sedge)  
*Castilleja kaibabensis* (Kaibab paintbrush)  
*Crossosoma parviflorum* (Ragged rock flower)  
*Encelia frutescens* var. *resinosa* (no common name)  
*Erigeron lobatus* (no common name)  
*Eriogonum heermannii* var. *subracemosum* (Heermann wild buckwheat)  
*Eriogonum zionus* var. *coccineum* (Scarlet wild buckwheat)  
*Flaveria mcdougallii* (McDougall's flaveria)  
*Fraxinus cuspidata* var. *macropetala* (Fragrant ash)  
*Haplopappus cervinus* (Antelope goldenbush)  
*Haplopappus salicinus* (Salty goldenweed)  
*Hesperodoria scopulorum* (Rock hesperodoria)

*Hymenoxys subintegra* (Bitterweed)  
*Machaeranthera mucronata* (Kaibab saber daisy)  
*Penstemon pseudoputus* (Kaibab beardtongue)  
*Primula specuicola* (Cave dweller primrose)

Plants on lands adjacent to Grand Canyon National Park:

**LE:**

*Pediocactus bradyi* (Brady pincushion cactus)

**LT:**

*Asclepias welshii* (Welsh's wilkweed)  
*Cycladenia humilis* var. *jonesii* (Jones' cycladenia)

**C1:**

*Clematis hirsutissima* var. *arizonica* (Arizona leather flower)  
*Pediocactus paradinei* (Kaibab pincusion cactus or bristly plains cactus)  
*Pediocactus peeblesianus* ssp. *fickeiseniae* (Fickeisen Navajo cactus or Fickeisen plains cactus)

**C2:**

*Astragalus cremnophylax* var. *myriorrhaphis* (Sentry milk-vetch)  
*Chrysothamnus molestus* (Tusayan rabbitbrush)  
*Eriogonum thompsonae* var. *atwoodii* (Atwood wild-buckwheat)  
*Lesquerella kaibabensis* (Kaibab bladderpod)  
*Pediocactus papyracanthus* (Grama grass cactus)  
*Pediomelum castoreum* (Beaverdam breadroot)  
*Pediomelum epipsilum* (Kane breadroot)  
*Penstemon clutei* (Clute's beardtongue)  
*Penstemon distans* (Mt. Trumbull beardtongue)

**3b:**

*Coryphantha missouriensis* var. *marstonii* (no common name)  
*Eriogonum densum* (no common name)

**3c:**

*Aquilegia desertorum* (Mogollon columbine or desert columbine)  
*Amsonia palmeri* (Palmer blue star)  
*Astragalus troglodytus* (no common name)  
*Eriogonum darrovii* (no common name)  
*Hedeoma diffusum* (no common name)