

FEDERAL STATUS OR AUTHORITY

E Formally listed as Endangered under the Endangered Species Act of 1973.

T Formally listed as Threatened under the Endangered Species Act of 1973.

PE Proposed Endangered.

PT Proposed Threatened.

C1 Taxa for which the Service currently has on file substantial information on biological vulnerability and threat(s) to support the appropriateness of proposing to list them as endangered or threatened species.

C1* Taxa which may be possibly extinct (although persuasive documentation of extinction has not been made).

Species of Concern

Federal species of concern includes those species formerly considered C2 candidates as described below. Although these C2 and C3 candidates are no longer officially considered for listing under the Endangered Species Act, the former candidate status is important historical information and is retained for this report.

C2 Taxa for which the information now in the possession of the Service indicates that proposing to list them as endangered or threatened species is possibly appropriate, but for which substantial data on biological vulnerability and threat(s) are not currently known or on file to support the immediate preparation of rules.

C3 Taxa that are no longer being considered for listing as threatened or endangered species. Such taxa are further coded to indicate three subcategories, depending on the reason(s) for removal from consideration.

3A Taxa for which the Service has persuasive evidence of extinction.

3B Names that, on the basis of current taxonomic understanding, do not represent taxa meeting the Act's definition of "species."

3C Taxa that have proven to be more abundant or widespread than was previously believed.

SA Similarity of appearance of species.

STATE ELEMENT RANKS (from Nature Conservancy and/or State Heritage Programs)

Numeric Rank: Based primarily on the number of occurrences of the species in the state.

S1 Critically imperiled in state (usually 5 or fewer occurrences); especially vulnerable to extirpation in the state.

S2 Imperiled in state (usually 6 to 20 occurrences).

S3 Rare or uncommon in state (usually 21 to 100 occurrences).

S4 Widespread, abundant, and apparently secure in the state, but with cause for long-term concern (usually more than 100 occurrences).

S5 Widespread, abundant and demonstrably secure in state.

S? Not yet ranked in the state.

SU Unrankable or uncertain status due to lack of information; possibly in peril

SE Exotic: an exotic established in the state.

SA Accidental or casual in state (infrequent and far outside usual range).

SH Historical: species occurred historically in the state (with the expectation that it may be extant and rediscovered), generally not having been verified in the past 20 years.

SX Apparently extirpated from state.

SN or **SZN** Regularly occurring, usually migratory and typically non-breeding, species for which no significant or effective habitat conservation measures can be taken in the state; no definable occurrences.

For species with distinct breeding (**B**) and non-breeding (**N**) populations, a breeding status SRANK can be coupled with its complementary non-breeding SRANK, separated by a comma, e.g., **S2B**, **S3N** or **S1B**, **SHN**.

SR Reported from state, but without persuasive documentation; species may be misidentified.

SRF Reported falsely; erroneously reported as occurring in the state and error has persisted in the literature.

SP Potentially occurs in the state, but no occurrences reported.

.1 Species documented from a single location.

GLOBAL ELEMENT RANKS (from The Nature Conservancy)

G1 Critically imperiled globally because of extreme rarity (typically 5 or fewer occurrences or very few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extinction.

G2 Imperiled globally because of rarity (6 to 20 occurrences or few remaining individuals or acres) or because of some factor(s) making it very vulnerable to extinction throughout its range.

G3 Rare or uncommon but not imperiled. Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range (e.g., a single western state, a physiographic region in the East) or because of other factors making it vulnerable to extinction throughout its range; in terms of occurrences, in the range of 21 to 100.

G4 Not rare and apparently secure globally, though it might be quite rare in parts of its range, especially at the periphery; cause for long-term concern. (Usually more than 100 occurrences.)

G5 Demonstrably secure globally; widespread and abundant, though it may be quite rare in parts of its range, especially at the periphery.

GH Of historical occurrence throughout its range, - possibly extinct - i.e., formerly part of the established biota with the expectation that it may be rediscovered (e.g., Bachman's warbler).

GU Possibly in peril range-wide, but status uncertain; need more information.

GX Believed to be extinct throughout its range (e.g., passenger pigeon) with virtually no likelihood that it will be rediscovered.

G#G# Range of ranks; insufficient information to rank more precisely.

G? Not yet ranked.

G#T# For infraspecific taxa; the G rank applies to the full species and the T rank applies to the infraspecific taxon.

G#Q Taxonomic status is questionable.