


ist

How are they doing?

Endangered and embattled species

IUCN (International Union for conservation of Nature) terminology

- Not evaluated
- Data Deficient (DD) ...
- Least Concern (LC) ...
- Near Threatened (NT) ...
- Vulnerable (VU) ...
- Endangered (EN) ...
- Critically Endangered (CR) ...
- Extinct In The Wild (EW) ...
- Extinct (EX)



Not evaluated, data deficient, least concern and near threatened:

Not evaluated species have not been assessed by the IUCN.

A data deficient species has insufficient information for a strong assessment.

A species of least concern has abundant, widespread population.

A near threatened species will likely qualify as threatened in the future.

Criteria for vulnerable, endangered and critically endangered:

Population reduction rate

Geographic range

Population size

Population restrictions

Probability of extinction

Vulnerable

Vulnerable—population decline of 50% from known factors or 30% from unknown factors, extent of occurrence less than 7,722 square miles, area of occupancy less than 722 square miles, fewer than 10,000 mature individuals or 10% decline within 10 years, population decline of 50-70% over 10 years or 3 generations

Endangered

Endangered—population decline know factors 70% or unknown 50%, extent of occurrence less than 1,930 square miles. Area of occupancy less than 193 square miles, fewer than 2,500 mature individuals or declines by 20% within 5 years, restriction=fewer than 250 individuals, probability of extinction in the wild 20% within 20 years or 5 generations.

Critically endangered

Critically endangered—population reduction 80%-90% over 10 years, decline 90% known or 80% unknown factors, extent of occupancy 39 Square miles, area of occupancy less than 4 square miles, fewer than 250 mature individuals or population decline of 25 % in 3 years or one generation, or population of fewer than 50 mature individuals, probability of extinction at least 50% in 10 years or 3 generations.

Extinct in the wild

Extinct in the wild species only survive in cultivation or captivity or outside it's normal range or no individual has been recorded in its normal habitat.

Extinct

A species is extinct when there is no question that the last surviving individual has died.

Examples:

Not evaluated—Alaskan shepherd

Data deficient—Little whip snake

Least concern--Moose

Vulnerable—Atlantic carp

Near threatened—Mountain lion

Endangered—Florida panther

Critically endangered—Red wolf

Extinct in the wild—Guam kingfisher

Extinct Passenger pigeon

Local species at risk:

Golden cheeked warbler--endangered

Austin blind salamander--endangered

Bracted twist flower--threatened





Endangered singing to *Clementine*

Not the data, (shaking finger no)

Evaluation, (pointing to head)

Least concern (hands parting)

Don't you know—

Then there's threatened (frightened facial expression)

And endangered (worried facial expression)

And extinct (all gone motion)

They may go!

Help protect species!

- Can you find products in your grocery store which say they help endangered species? Or, can you cover a rice cake with peanut butter and only a few animal crackers to make an endangered species snack?
- Golden cheeked warblers need old Ashe Juniper bark for their nests. Can you find old Ashe junipers in the park?
- And how about designing a poster to educate about endangered species!

