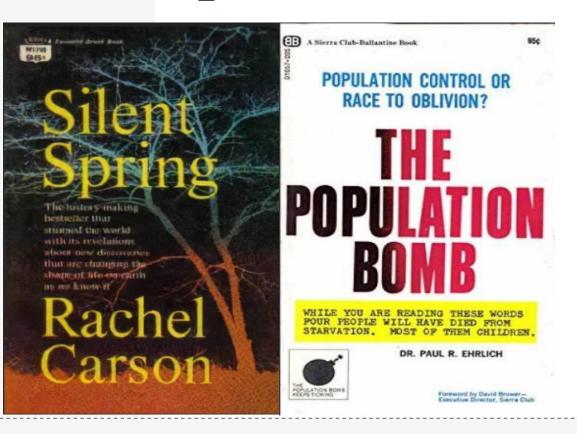


Endangered Species

Any species in danger of extinction or likely to become an endangered species within the foreseeable future throughout all or a significant part of its range.



Endangered Species Crises



- Environmental concerns reached peak in 1960's into 1970's
- Endangered Species Protection Act passed in 1966
- 79 species listed in 1967 (ESPA)
- 1,677 species listed by 2023 (*ESA*)

World Population

Regulatory Protection

Local

Offices overseeing building and environmental ordinances

State

Wildlife Resources (COV § 29.1 Chapter 5, Article 6)

Agriculture and Consumer Services (COV § 29.1 Chapter 10)

Conservation and Recreation Natural Heritage (COV § 10.1-212)

Environmental Quality (COV § 10.1 Chapter 11.1)

Federal

Fish and Wildlife Service

National Oceanic and Atmospheric Administration

Environmental Protection Agency

Dept. of Agriculture

State and Federal Agencies work cooperatively to:

- Conserve and protect endangered and threatened species and their habitats for fish, wildlife, and plants that are listed as threatened or endangered
- Provide a protocol, including scientific evaluation and public review, for adding species to and removing them from the list of threatened and endangered species
- Require the preparation and implementation of plans for the recovery of threatened and endangered species
- Encourage coordination among federal, state, tribal, and local officials on efforts to prevent extinction
- Fund conservation work for threatened and endangered species through federal assistance and incentives





Wildlife Environmental Review Map Service (WERMS)

dwr.virginia.gov /gis/werms/

Home > Geographic Information Systems (GIS) > Wildlife Environmental Review Map Service (WERMS)

The Virginia Department of Wildlife Resources (DWR) is providing a new service for accessing the most current and complete threatened or endangered species and related environmental review spatial datasets. The Wildlife Environmental Review Map Service (WERMS) creates a means to distribute several individual feature classes through an Internet connection. By publishing WERMS, DWR can be sure partners have access to the latest and most comprehensive information for conservation planning and assessing potential impacts to wildlife and recreational resources.

DWR is responsible for managing and protecting state and federal threatened or endangered wildlife in Virginia. GIS data showing confirmed locations of these "listed" species and other important wildlife features are valuable tools for preventing impact to these treasured natural resources. Traditionally, this was done through DWR's <u>Virginia Fish and Wildlife Information Service</u> (VAFWIS). Although VAFWIS continues to provide an excellent stand-alone query and reporting service, some users need access to the actual spatial information.

Department of Conservation and Recreation



Department of Conservation and Recreation's Virginia Natural Heritage Data Explorer

www.dcr.virginia.gov /naturalheritage/nhdeinfo



Fish and Wildlife Services



ecos.fws.gov/ ecp/



U.S. Fish & Wildlife Service

Search ECOS

ECOS Environmental Conservation Online System

Conserving the Nature of America

ECOS / Home

Public Applications

Conservation Plans

Wildlife & Environmental Contaminants Mapper

Information for Planning and Consultation (IPaC)

Species Reports

Web Services

Secure Applications

■ Secure Login

Related Sites

FWS Endangered Species Program

National Wildlife Refuge System

Threatened & Endangered Species

ECOS serves a variety of reports related to FWS Threatened and Endangered Species. A selection of our most popular reports is listed below. See the <u>Species Reports</u> for the complete list.

Delisted Species

Reclassified Species

• Listed Species Summary (Boxscore)

- All Threatened and Endangered Animals
- All Threatened and Endangered Plants
- Critical Habitat Report
- Section 7 Consultation Issued Biological Opinions

OBTAINING AN OFFICIAL SPECIES LIST:

Use <u>IPaC</u> to identify your project location and receive an official species list (pursuant to 50 CFR 402.12) of T&E species that should be considered when evaluating the potential impacts of a project.

ADDITIONAL SEARCH TOOLS:

Search for a Listed species by name:		Search for a Listed species by County name:
	1	

NatureServe



explorer.
natureserve.
org

Welcome to NatureServe Explorer!

NatureServe is the definitive source for information on rare and endangered species and ecosystems in the Americas. This online guide provides information on the 100,000 species and ecosystems that we track.



Q ...Search for species and ecosystems

Q Additional Search Options

Search by location, taxonomic group, and conservation status.

Search on Explorer Pro Map

Login or create an account to access enhanced mapping tools.



