

**Assignment 3 Research Guide:**

**Wildlife Conservation**

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## **Wildlife Conservation**

### **Scope**

This guide is dedicated to providing resources to aid in research of wildlife conservation on a global scale, with resources specific to the United States also provided. Resources concerning mammals, reptiles, amphibians, birds, marine life, and pollinators are presented. Due, however, to the diversity of biodiversity and its research, the resources of this guide are broad and intended to provide general and overarching information, or serve as starting points for more niche topics.

### **Organizations**

The organizations presented in this guide are divided by international organizations and federal organizations specific to the United States.

#### ***International***

##### ❖ [WCS.org](http://WCS.org)

- The Wildlife Conservation Society is an international organization dedicated to establishing zones of conservation (fourteen zones) around the world to protect biodiversity and wildlife. WCS, additionally, produces significant scientific research into wildlife conservation and the promotion of national and international policies.

##### ❖ [IUCN: International Union for Conservation of Nature](http://IUCN.org)

- The International Union for Conservation of Nature is the global authority on wildlife and environmental conservation. It operates in more than 160 countries, is composed of more than 1,400 member organizations from both governments

and private organizations, and corroborates with independent researchers and scientists.

❖ [World Wildlife Fund: WWF](#)

- The World Wildlife Fund is a global organization, present in over 100 countries, working to aid communities in local wildlife conservation efforts. WWF also supports conservation research and science to help promote awareness and policy making.

❖ [Global Wildlife Conservation](#)

- The Global Wildlife Conservation organization is dedicated to protecting biodiversity and minimizing extinction through actively preserving habitats and ecosystems.

❖ [The Nature Conservancy](#)

- Through direct conservation and partnership programs, The Nature Conservancy is an international charity that operates in more than 70 countries and territories to conserve areas of nature and biodiversity.

***Federal***

❖ [US Fish and Wildlife Service](#)

- A branch of the Department of the Interior, the USFWS is the main federal agency dedicated to the conservation and protection of wildlife and operates on both a national and state-by-state level.

❖ [State Wildlife Agency](#)

- A directory for the respective U.S. Fish and Wildlife Services office of every U.S. state and territory, as well as similar state offices.

❖ [NOAA Fisheries' Endangered Species Conservation](#)

- The National Oceanic and Atmospheric Administration (NOAA) Fisheries provides protection and conservation for marine life.

❖ [USDA.gov](#)

- The U.S. Department of Agriculture works with private landowners and federally owned land to promote conservation with farmers, private individuals, and local communities.

❖ [National Wildlife Federation](#)

- The National Wildlife Federation works to promote wildlife conservation among Americans, modernize conservation efforts, and restore habitats.

❖ [Green Infrastructure and Wildlife Conservation](#)

- This directory from the EPA provides resources on pollinators, such as bumblebees and monarch butterflies, as well as resources on how green infrastructure aids in the protection of biodiversity.

## **Databases**

All following databases are free to access and use; however, non-paying customers on select databases may encounter access limitations for recently published material or specific journals.

❖ [GreenFILE](#)

- GreenFILE is a free database dedicated to scholarly research on the environment and the effects humans have upon it. Its main subjects include: climate change, green building, pollution, sustainable agriculture, renewable energy, and recycling.

❖ [Ecological Society of America Publications](#)

- This collection of journals is published by the Ecological Society of America and covers all aspects of ecology. The included journals are: Ecology, Ecological Applications, Ecological Monographs, Frontiers in Ecology and the Environment, Ecosphere, and Bulletin. Some publications may require subscription access.

❖ [Nature.com](#)

- A wide selection of journals published by Nature Publishing Group. Most presented should be disregarded for conservation, although many published journals within this collection provide resources on conservation nonetheless.

❖ [Biodiversity Heritage Library](#)

- The Biodiversity Heritage Library is a consortium of institutions from around the world created to provide free and open access to resources on biodiversity and natural history.

❖ [Macaulay Library](#)

- Primarily for the study of ornithology, the Macaulay Library of Cornell's Lab of Ornithology is the largest archive of audio and video recordings of biodiversity. Over 10,000 species of birds and more than 2,600 species of mammals, fish, amphibians, and other animals are cataloged.

❖ [National Geographic Photo Ark](#)

- The Photo Ark is a digital image archival project of more than 10,000 images by National Geographic to promote conservation awareness, education, and efforts by attempting to photograph every species living in zoos and wildlife sanctuaries around the world.

❖ [IUCN Red List of Threatened Species](#)

- The Red List of Threatened Species from the International Union for Conservation of Nature is a listing of all currently known species at risk of going extinct. It is compiled by a panel of global experts and regularly updated. In addition to listing threatened species, the Red List also provides information on each species, such as range, diet, habitat, population size, and potential/current conservation efforts.

## **U.S. Laws**

There are several important laws regarding wildlife protection and conservation in the U.S., with the following two resources presenting information on the most important laws.

❖ [Federal Wildlife Law of the 20th Century](#)

- Provided by the Animal Legal & Historical Center of Michigan State University, this chapter by Musgrave, R. covers the evolution of U.S. wildlife laws from 1900 up to 1998.

❖ [US Conservation Laws](#)

- A listing of the following U.S. conservation laws and what they entail: the Endangered Species Act, the Marine Mammal Protection Act, the Wild Bird Conservation Act, the Multinational Species Conservation Acts, the Lacey Act, the Pelly Amendment, and the Migratory Bird Treaty Act.

## **Textual Resources**

The following textual resources are intended to broadly cover wildlife conservation as a whole, with each individual resource being related to more niche topics within the broader

subject. These should be treated as starting points for research, not as definitive, all-encompassing answers.

❖ “Advancing Climate Adaptation in Wildlife Conservation.”

- This report, presented at several conferences, seeks to illuminate ways in which conservation efforts can, and should, incorporate climate change into estimations of which species to aid first and how best to do so.
- Staudt, A., Inkley, D., Glick, P., Stein, B., Edelson, N., & et al. (2010). Advancing climate adaptation in wildlife conservation. *American Meteorological Association*.

❖ “Conservation of Biodiversity: Policy Recommendations for Asian, African, and Latin American Countries in the contexts of International Conventions.”

- This paper proposes local policy measures and actions that can be pursued in developing nations to support international biodiversity conservation goals, as well as findings on the efforts of international, national, and local levels for conservation.
- Jannat, F., PHD (2011). Conservation of biodiversity: Policy recommendations for Asian, African, and Latin American countries in the contexts of international conventions. *NAAAS Conference Proceedings*, 1223-1238.

❖ *Wildlife: Destruction, Conservation and Biodiversity*.

- *Wildlife* broadly covers conservation and biodiversity of wildlife, providing more general information than other resources.
- Harris, J., & Brown, P. L. (2009). *Wildlife: Destruction, conservation and biodiversity*. Nova Science Publishers.

❖ “Wilderness and Future Conservation Priorities in Australia.”

- This report highlights concerns with using historical and now past threats and concerns to expand protected wilderness areas, ignoring current and future threats that threaten other regions of wilderness.
- Watson, J. E. M., Fuller, R. A., Watson, A. W. T., Mackey, B. G., Wilson, K. A., Grantham, H. S., Turner, M., Klein, C., Carwardine, J., Joseph, L. N., & Possingham J. P. (2009). Wilderness and future conservation priorities in Australia. *Diversity & Distributions*, 15(6), 1028-1039. DOI: 10.1111/j.1472-4642.2009.00601.x

❖ “The Amur Tiger in Northeast Asia: Conservation and Ecology of an Endangered Subspecies.”

- An exemplary article using the Amur tiger subspecies to illustrate the challenges of protecting a subspecies, as well as the need of conservation for subspecies and working with local law enforcement agencies to safeguard the species.
- Miquelle, D. G. (2015). The Amur tiger in Northeast Asia: Conservation and ecology of an endangered subspecies. *Integrative Zoology*, 10(4), 311-314. DOI: 10.1111/1749-4877.12144