## Reference Resources

- Dictionaries & Encyclopedias
- Species Accounts/Life History Information - Amphibians and Reptiles
- Species Accounts/Life History Information - Birds
- Species Accounts/Life History Information - Mammals
- Species Accounts/Life History Information - California
- Species Accounts/Life History Information - Multiple Species
- Scientific Reviews
- Bibliographies - General
- Bibliographies - Amphibians and Reptiles
- Bibliographies - Birds
- Bibliographies - Mammals
- Treatises and Other Comprehensive Works
- Taxonomic Works: Nomenclature
- Taxonomic Works: Monographs and Keys
- Taxonomic Works: Checklists
- Taxonomic Works: Field Guides
- Handbooks and Manuals - General
- Handbooks and Manuals - Amphibians and Reptiles
- Handbooks and Manuals - Birds
- Handbooks and Manuals - Mammals
- Geospatial Resources: Atlases, Maps, GIS, Imagery, Telemetry - Guides
# Dictionaries & Encyclopedias

These resources provide definitions of discipline-specific terminology and/or general introductions to topics and concepts in wildlife. Most encyclopedias include references to important references in the "primary" literature.

- **Cambridge Encyclopedia of Ornithology** (Brooke & Birkhead) 1991
- **Collegiate Dictionary of Zoology** (Pennak) 1964 (ref QL 9 P4)
- **Dictionary of Birds** (Campbell & Jack) 1985 (ref QL 672.2 D53 1985) Scholarly dictionary with definitions ranging from a few lines to several pages. Longer entries include a short reference list.
- **Ecology Field Glossary: A Naturalist's Vocabulary** (Lewis) 1977 (ref QH 540.4 L48)
- **Encyclopedia of Birds** (Forshaw & Kirshner) 1998 (ref QL 673 E53 1998)
- **Encyclopedia of Environmental Biology** (Nierenburg) 1995 (ref QH 540.4 E52 1995) (3 volumes)
- **Encyclopedia of Mammals** (MacDonald) 1984 (ref QL 703 E53 1984)
- **Encyclopedia of Theoretical Ecology** (Hastings and Gross) 2012 (ref QH 540.4 E526 2012)
- **Grzimek’s Encyclopedia of Ethology** (Grzimek) 1977 (ref QL 751 G7913)
- **Grzimek’s Animal Life Encyclopedia** (HSU Users Only) 2003-2004 Major 17 volume scientific encyclopedia that is arranged taxonomically. Chapters within each volume contain an order overview followed by family and subfamily accounts. Volumes of interest to wildlife include Amphibians, Reptiles, Birds, and Mammals; see links below. The first edition of the encyclopedia is located in Ref QL 3 G7813 along with the first edition of **Grzimek’s Encyclopedia of Mammals** in Ref QL G7913 1990.
- **Oxford Companion to Animal Behavior** (MacFarland) 1982 (ref QL 751 093 1982)

**Biodiversity Glossary of Terms**  
(World Resources Institute)

**Bird On! Bird Dictionary**  
(Weaver) Includes the complete text of The Birdwatcher's Dictionary.

**Glossary of Biodiversity Terms**
<table>
<thead>
<tr>
<th>Species Accounts/Life History Information - Amphibians and Reptiles</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Salamanders of the United State and Canada</strong> (Petranka) 1998 (QL 668 C2 P36 1998) Includes accounts for 127 salamander species with an emphasis on identification, ecology, evolution, biodiversity, behavior, and natural history. Each entry includes photographs and a range map. Includes taxonomic keys to adult and larval salamanders.</td>
</tr>
<tr>
<td><strong>Snakes of the United States and Canada</strong> (Ernst and Ernst) 2003 (QL 666 O6 E763 2003) Identification guide and key to the 131 North American species of snakes. For each species there is an 3-8 page account that provides detailed information on identifying features, geographic variation, known fossils, current distribution, habitat type, behavior, reproduction, growth, diet, and predators. Includes color photographs and range maps for each species.</td>
</tr>
</tbody>
</table>

**AmphibiaWeb**  
(University of California, Berkeley. Museum of Vertebrate Zoology) Searchable database on amphibian biology and conservation containing species accounts that include species descriptions, photos, life history information, conservation status information, and literature references. The goal is to include accounts for every amphibian species in the world.

**Catalog of American Amphibians and Reptiles**  
(Society for the Study of Amphibians & Reptiles) 1963- (print copy available in Ref QL 651 A55) Ongoing series of individual species accounts with extensive literature references.

**Washington Herp Atlas**  
(Washington Department of Fish and Wildlife) Includes species accounts for 28 of the 46 native species known to occur in Washington. Each account includes descriptions, identification tips, management concerns, literature references and links to Photos, Key Features, and Distribution Maps.

<table>
<thead>
<tr>
<th>Species Accounts/Life History Information - Birds</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Birds of Africa</strong> (Brown, Urban and Newman) 1982-2003 (QL 692 A1 B76 1982) Comprehensive handbook in seven volumes on the birds of Africa. Each species account typically includes original description citation, range and status, description, field characters, voice, general habits, food, and breeding habits. Also includes a range map and a color plate for each species.</td>
</tr>
<tr>
<td><strong>The Birds of North America: Life Histories for the 21st Century</strong> (American Ornithologists Union) 1992-2002 (ref QL 681 B625) Major scholarly work containing 20-40 page species profiles that summarize the current knowledge for approximately 700 breeding bird species in North America. Birds of North America Usage Tools lists published profiles by issue number and taxonomic order (see link below). Replaces both Bent's <em>Life Histories...</em> series and Palmer's <em>Handbook of North American Birds</em>. Shorter and more popular species accounts derived from <em>Birds of North America</em> are found at the Bird Guide developed by the Cornell Lab of Ornithology(see link below). These online bird guide accounts also include bird sounds, selective video and distribution maps.</td>
</tr>
<tr>
<td><strong>Birds of South America</strong> (Ridgely and Tudor) 1989- (QL 689 A1 R53 1989) Projected to be completed in four volumes this set includes short species accounts covering identification, similar species, habitat and behavior, and range. Also includes color plates and range maps for each species.</td>
</tr>
<tr>
<td><strong>Handbook of Australian, New Zealand and Antarctic Birds</strong> (Marchant) 1990-2001 (QL 693 H36 1990) Contains detailed species accounts for approximately 900 birds found in this region. Each detailed species account includes scientific and common names in a variety of languages, distribution, field identification, habitat, movements, food, behavior, voice, breeding, plumages and measurements. For each species there are also distribution maps, color plates and occasional b/w illustrations and voice sonograms.</td>
</tr>
<tr>
<td><strong>Handbook of the Birds of the World</strong> (Hoyo) 1992- (ref QL 673 H25 1992) Major handbook to be completed in 16 volumes that contains species accounts organized by order and family. For each family there is summary information on the family’s general characteristics and composition: systematics, evolution, diversity, paleontology. Each species account typically includes taxonomic information, distribution, field identification, habitat, movements, food, behavior, voice, breeding, plumages and measurements. For each species there are also color plates and occasional b/w illustrations and voice sonograms.</td>
</tr>
</tbody>
</table>
Species Accounts/Life History Information - Mammals


- **Handbook of Marine Mammals** (Ridgeway and Harrison) 1981-1999 (QL 731.2 H355) (6 volumes) Contains 20-40 species accounts that cover taxonomy, distribution, external characteristics, anatomy, life history and population dynamics, behavior, parasites and diseases and human effects.

- **Land Mammals of Oregon** (Verts and Carraway) 1998 (ref QL 719 O7 V474 1998) Contains descriptions of all 136 extant or recently extirpated mammal species in Oregon with information on geographical variation, range maps, diet, reproduction, and enemies of the species. The series was never completed and is now superceded by *The Birds of North America: Life Histories for the 21st Century*. Volumes are organized by family. Individual species accounts describe physical features, field identification, habitat, distribution, migration, reproduction, and habits.

- **Handbook of North American Birds (Palmer)** 1962-1988 (5 volumes) (QL 681 P35) Originally designed as the definitive reference source on American birds species and subspecies north of Mexico. The series was never completed and is now superceded by *The Birds of North America: Life Histories for the 21st Century*. Volumes are organized by family. Individual species accounts describe physical features, field identification, habitat, distribution, migration, reproduction, and habits.

- **Handbook of the Birds of Europe, the Middle East and North Africa: The Birds of the Western Palearctic** (Cramp) 1977-1994 (QL 690 A1 H27) Nine volume handbook that includes detailed species accounts for birds of the western Palearctic. Each account includes common names in a variety of languages, field characters, habitat, distribution, population, movements, food, social pattern and behavior, breeding, voice, plumages, measurements, weights and structure. Each account also includes references to the scholarly literature, range maps and color plates. *Birds of the Western Palearctic* (Snow and Perrins) 1998 (QL 690 A1 S64 1998) is a concise and updated two volume set based upon the original work.


- **Handbuch der Vogel Mitteleuropas** (Niethammer) 1966-1997 (QL 690 A1 H3) Fourteen volume handbook that covers central Europe. Detailed species accounts cover range geographical variation, field identification, voice, migration, habitat, behavior, food sources and literature references.

### Birds of North America Usage Tools

**Birds of North America Bird Guide**

**Species Management Synthesis**

(Partners in Flight) includes a "species account table" that lists species accounts available from some of the sources below including the The Nature Conservancy, Northern Prairie Wildlife Research Center, Birds of North America and US Fish and Wildlife Service. Includes links to accounts if available on the Internet.

**Avibase**

(Lepage) Extensive database that includes basic information on all birds of the world—10,000 species and 22,000 subspecies. Each entry includes information on taxonomic status, common name synonyms in several languages, distribution map, Google species search, Google image search, AtlaVista audio search, Integrated Taxonomy Information System (ITIS) entry and Birdlife International threatened species account if appropriate. Search by common or scientific name or browse by family.

**Forest and Rangeland Birds of the United States: Natural History & Habitat Use**

(DeGraaf) 1991 (Agricultural Handbook 688) (print copy available in Docs A 1.776:688) Includes one page species profiles for 500 birds followed by a series of matrixes listing birds typically found in 20 forest habitat types and 24 rangeland or other non-forest habitats.

**Life Histories of Central American Birds**

(Skutch) 1954-1969 (print copies available in QL 683 P3 P3 no.31, 34, 35) (Pacific Coast Avifauna # 31, 34, 35) Includes life histories of selected passerine birds species of Central America. Each account includes information on the description, food, song, reproduction and enemies of the species.

**Life Histories of North American Birds**

(Bent) 1919-1958 (20 volumes) (U.S. National Museum Bulletin nos. 107,113, 121, 126, 130, 135, 142, 146, 162, 167, 170, 174, 176, 179, 191, 195, 196, 197, 203, 211) (Docs SI 3.3:...) Series of classic life history studies which is largely superceded by *Birds of North America: Life Histories for the 21st Century*. An index by bulletin number and by taxonomic group is available to the series (see link below). Selected life histories are available at Life Histories of Familiar North American Birds (see link below).

**Life Histories of North American Birds Index**

**Life Histories of Familiar North American Birds**
species are provided for identification of unknown specimens. A bibliography of 2,925 references makes the volume especially useful for anyone wishing to do further research.


**Animal Info - Information on Endangered Mammals**
(Massicot) Each species account includes a basic profile, status and distribution, biology and ecology and references. Browse by scientific or common name, broad animal grouping, or country. Also includes links to US state mammal programs and mammal fact sheets available at the state level.

**Mammalian Species**
(American Society of Mammalogists) 1969- (print copy available in ref QL700 M36) Ongoing series currently comprising over 700 scholarly species accounts. 25-30 new accounts are published annually. The first 823 accounts are freely available on the web. Accounts from #824 are available on BioOne (HSU Users Only). A Complete Systematic List of Accounts is available that is arranged by Order/Family/Genus

**Natural History of Oregon Coast Mammals**

**North American Mammals**
(Smithsonian Institution) Contains short species accounts for over 400 native species known to occur in North America. Accounts include descriptive text, taxonomic notes, photographs, watercolors, scientific illustrations of skulls, bones and teeth, range maps, weight and length, notes on sexual dimorphism and conservation status. Search by species, family tree, conservation status; or by geographic location using a map interface, geographic coordinates or national park. Generate your own field guide. Based upon the Smithsonian Book of North American Mammals (Wilson & Ruff) 1999 (ref QL 715 S55 1999) and the field guide Mammals of North America (Kays and Wilson) 2002. The Smithsonian book includes longer species accounts and literature references for each species.

**Species Accounts/Life History Information - California**
Species accounts typically include natural history and life history information on individual species. Topics frequently covered include description, taxonomy, distribution, life history, habitat, status, and management considerations.

**California Environment Information Sources--Wildlife**

**Northwestern California/Klamath Bioregion Environment Information Sources--Wildlife**

**Species Accounts/Life History Information - Multiple Species**

- **Wildlife Habitats and Species Management Relationships Program: Oregon Coast Range** (Phillips & Chrostowski) 1981 (SK 439 W54) (4 volumes) Includes one page species narratives and range maps with references to related research literature for 330 vertebrate species in the Oregon Coast Range.

**NatureServe Explorer: an Online Encyclopedia of Life**
(NatureServe) Database containing conservation information on more than 50,000 plants, animals, and ecological communities of the United States and Canada. Search by common or scientific name. Each species or community includes information on conservation status, distribution maps, life history, and other conservation information.

**ITIS (Integrated Taxonomic Information System)**
Authoritative taxonomic information on plants, animals, fungi, and microbes of North America and the world. The ITIS is the result of a partnership (see link below) of federal agencies formed to satisfy their mutual needs for scientifically credible taxonomic information.

**ITIS Partnership**

**Endangered Species Recovery Plans**
(US Fish & Wildlife Service) Includes over 700 final and revised recovery plans issued since 1989. These plans delineate actions
required to recover and/or protect listed species. Each recovery plan includes extensive information on the distribution, habitat, ecology, life history, and population status as well as plans for recovery.

Fire Effects Information System
(US Forest Service. Rocky Mountain Research Station Fire Sciences Laboratory) Database containing synoptic descriptions of 900 plant species, 100 animal species, and 16 Kuchler plant communities found on the North American continent. The emphasis is on fire and how it affects each species. Background information on taxonomy, distribution, basic biology, and ecology of each species is also included along with references to literature.

Scientific Reviews

Wildlife Indexes

Scientific reviews or "state-of-the-art" papers critically survey a narrow topic in a discipline. Review papers identify and evaluate research which has appeared in the "primary" literature and include extensive bibliographies. Scientific reviews typically appear in annual publications entitled "Annual review of ..." or "Advances in ...", as well as in research journals, especially those which have "review" as part of the title. As part of a search strategy review papers are an excellent "research tool" to use since they pull together information on the existing state-of-knowledge on a specific topic.

There are several ways to locate scientific reviews:

1. Many annual review series have cumulative indexes.
2. Individual review papers are commonly included in Wildlife Indexes (see link below). Create a search that includes the keyword "review" as part of your search strategy.
3. The "Annual Review of ..." publication series has a cumulative index which searches all reviews published from 1984 to the present (see link below).

Annual reviews of interest in wildlife include the following. Use the Journal and Newspaper Finder for determine location and format (see link below).

- Advances in Ecological Research
- Advances in Parasitology
- Advances in the Study of Behavior
- Annual Review of Ecology and Systematics
- Current Mammalogy
- Current Ornithology (An index to the series is available (see link below).
- Mammal Review
- Perspectives in Ethology
- Quarterly Review of Biology

"Annual Review of ....." Index

Journal and Newspaper Finder

Current Ornithology

Bibliographies - General

Wildlife & Ecology Studies Worldwide
Index to scientific and management literature on mammals, birds, reptiles, and amphibians from journals, conference proceedings, theses, dissertations and other publications from 1935 to the present.

Bibliographies are compiled lists of literature references which gather together known research on a specific topic. They are generally more useful for retrospective rather than current searching. There are many specialized bibliographies in wildlife. The Wildlife and Ecology Studies Worldwide (see link below) index lists over 3,000 wildlife bibliographies. In the HSU Library Catalog (see link below) a subject keyword search can be done using the keyword bibliography and a subject or taxonomic keyword. Listed below are selected print and digital bibliographies which are major in scope.

- U.S.-Canadian Range Management, 1935-1977; A Selected Bibliography on Range, Pastures, Wildlife, Livestock, and Ranches (Valentine) 1978 (ref SF 85.3 V34)
Bibliography on the Conservation of Biological Diversity: Biological, Ecological, Economic, and Policy Issues
(Polasky) 1999 Contains approximately 4000 references on various aspects of biodiversity and conservation.

Biological Conservation Bibliography
( Smithsonian Institution Museum of Natural History) Includes over 47,000 references on conservation biology from 1983 to the present. References have previously appeared in the Smithsonian Institution's Biological Conservation Newsletter (see link below). Search by author, title or keyword.

Biological Conservation Newsletter
Effects of Silvicultural Activities on Wildlife and Fish Populations in Oregon and the Pacific Northwest: An Annotated Bibliography from 1960-1999
(Maas-Hebner & Schrader) 2001 (Oregon State University, Forest Research Laboratory, Research Contribution #32) (print copy available in SD 144 A13 R4 #32)

Fire in North American Wetland Ecosystems and Fire-Wildlife Relations: An Annotated Bibliography
(Kirby, Lewis and Sexon) 1988 (print copy available in Docs I 49.89/2: 88 (1)) (US Fish and Wildlife Service Biological Report 88 (1)) Searchable bibliography containing 300 references on fire in North American wetland ecosystems and a subject index of all fire-related literature that has appeared in Wildlife Review

Forest and Wildlife Management Planning: An Annotated Bibliography
(Barlow and Grado) 2001 (Mississippi State University, Forest and Wildlife Research Center. FWRCR Research Report) Includes 177 references dating from 1960 to 2000 on forest management planning in general and more specifically on the effects of manipulating timber stock on wildlife habitat.

Managing for Enhancement of Riparian and Wetland Areas of the Western United States: An Annotated Bibliography

Nonconsumptive Outdoor Recreation: An Annotated Bibliography of Human-Wildlife Interactions
(Boyle and Samson) 1983 (print copy available in Docs I 49.15/3:252) (US Fish & Wildlife Service Special Scientific Report--Wildlife #252)

Riparian Communities: an Annotated Bibliography of Ecosystem and Management Topics with Emphasis on the Intermountain West
(Fisher and Thomas) 1990 (US Bureau of Land Management. Idaho State Office) Includes 150 references on the ecology, description and management of riparian wetlands in the intermountain west.

Wetland Restoration Bibliography
(Northern Prairie Science Center and Midcontinent Ecological Science Center) 1996 - update of Wetland Creation and Restoration: Description and Summary of the Literature (Biological Report 90(3)) (Docs I 49.89/2:90(3))

Wind-Wildlife Impacts Literature Database (WILD)
(US National Renewable Energy Laboratory) Indexes research related to onshore as well as offshore wind development published in journal articles, conference proceedings, government publications, books, and utility company reports. Search by keyword, title, author, and publication date.

Bibliographies - Amphibians and Reptiles

Herplit Database
(Bibliomania) Database contains approximately 50,000 citations dating from 1586 to the present. Search by author, title, or keyword.

- Bibliography of Pacific Northwest Herpetology (Campbell) 1982 (QL 654 B52)

Bibliographies - Birds

Annotated Bibliography of Avian Interactions with Utility Structures
Annotated Bibliography of Avian Interactions with Utility Structures
(California Energy Commission) Annotated bibliography containing over 1,200 references on avian-utility structure interactions.

- **Bibliography on Ornithological Bibliographies** (Brasses & Bekierz) 1984 (ref QL 673 B73) Lists over 1,000 bibliographies on birds.
- **Annotated Bibliography of Oregon Bird Literature Published before 1935** (Jobanek) 1997 (QL 684 O6 J63 1997)
- **Bibliography of Oregon Ornithology: An Updating for the years 1971-1977** (Egger) 1980
- **Bibliography of Birds** (Strong) 1939-1959 (ref QL 1 F4 vol 25 parts 1-4) Bibliography to ornithological literature up through 1926 when *Biological Abstracts* began.

**Avian Mortality at Communication Towers: A Review of Recent Literature, Research, and Methodology**

**Bibliography for Lesser Scaup (Aythya affinis)**
(Austin & Northern Prairie Wildlife Research Center) Includes over 1,300 references.

**Bibliography for Northern Pintails (Anas acuta)**
(Austin & Northern Prairie Wildlife Research Center) Includes almost 2,000 references.

**Bird Kills at Towers and Other Human-made Structures: An Annotated Partial Bibliography (1960-1998)**

**Crane Bibliography: a Subject Index**
(International Crane Foundation) Includes over 4,000 references, arranged by species.

**Duckdata: a Bibliographic Data Base of North American Waterfowl (Anatidae) and Their Wetland Habitats**

**Global Raptor Information Network (GRIN) Bibliography**
(Peregrine Fund) Contains 54,000 records on diurnal raptors with emphasis on literature from 2000 to the present and on the Neotropical Region.

**Human Disturbances to Waterfowl: An Annotated Bibliography**
(Dahlgren and Korschgen) 1992 print copy available in Docs I 49.66: 188) (U.S. Fish and Wildlife Service Resource Publication 188) Contains 211 annotated entries for articles that contain information about effects of human disturbances on waterfowl. Indices are provided for subject/keywords, geographic locations, species of waterfowl, and authors.

**OWL: Ornithological Worldwide Literature**
(American Ornithological Union, British Ornithological Union and Birds Australia) Includes over 100,000 citations and abstracts on the science of ornithology from over 1500 journals, reports, dissertations and other serials going back to about 1980. Covers "grey" literature which is not abstracted by major commercial databases such as Zoological Record. Search by keyword, author, journal or subject code(see link below). The database is a continuation of Recent Ornithological Literature which between 1983 and 1998 was published as a quarterly supplement to Auk (periodical QL 671 R43) and Ibis (periodical QL 671 I2).

**OWL Subject Code**

**Raptor Information System**
(US Geological Survey) Includes 40,000 references on the biology and management of birds of prey.

**Recent Publications on Waders**
(International Wader Study Group) Available online since 2001 with earlier issues appearing one or twice a year in the Wader Study Group Bulletin (per QL696 C4 B9). Lists currents publications dealing with waders grouped into five broad areas--breeding; behaviour, ecology and evolution; distribution and faunistics; and miscellaneous.

**SORA: Searchable Ornithological Research Archive**

---

**Bibliographies - Mammals**

**Literature Database**
Treatises and Other Comprehensive Works

These scholarly works and databases contain extensive information or summarize the state of knowledge in broad topics in wildlife. They tend to be broader in scope than "scientific reviews" and are well documented with frequent references to important "primary" literature. For works that are focused on individual species see the Species Accounts/Life History Information box below.

- ** Amphibians & Reptiles**

- **Birds**

- **Mammals**

  For each entry includes information on history, hosts, distribution, etiology, transmission, epidemiology, clinical signs, pathogenesis, pathology, diagnosis, treatment, and literature references.

Taxonomic Works: Nomenclature

*Guide to Taxonomic Literature of Vertebrates* (Blackwelder) 1972 (ref QL 607 B53) is a general guide to taxonomic literature.

- **Complete Guide to Scientific and Common Names of Reptiles and Amphibians of the World** (Frank and Ramus) 1995 (Ref QL 645 F73 1995)
- **Dictionary of American Bird Names** (Choate & Paynter) 1985 (Ref QL 677 C5 1985)
- **North American Bird Folknames and Names** (Sayre) 1996 (Ref QL 677 S28 1996)
- **Source-book of Biological Names and Terms** (Jaeger) 1955 (Ref QH 83 J3)
- **Scientific and Standard Common Names of Amphians and Reptiles of North American North of Mexico, with Comments Regarding Confidence in Our Understanding** (Society for the Study of Amphibians and Reptiles) 2001 (Ref QL 652 S63 2001)


Taxonomic Works: Monographs and Keys

- **Classification of Mammals above the Species Level** (McKenna & Bell) 1997 (Ref QL 708 M38 1997) Updates *The Principles of Classification and a Classification of Mammals* (Simpson) 1945.
- **Distribution & Taxonomy of Birds of the World** (Sibley & Monroe) 1990 (Ref QL 678 S54 1990) Classification and arrangement of 9,672 bird species of the world based primarily on DNA phylogenetic relationships. A list of included species by family is available (see link below).

*Mammals of North America* (Hall) 1981 (Ref QL 715 H15) Major two volume monograph on mammal taxonomy listing 3607 references spanning the years 1830 to 1960. The bibliography is arranged into three groupings--taxonomic, geographic, and general.
**Taxonomic Works: Checklists**

- **Clements Checklist of Birds of the World: A Checklist** (Clements) 2007 (ref QL 673 C53) Published by the American Birding Association in collaboration with the Cornell Laboratory of Ornithology. Checklist includes over 9,800 species and subspecies. For each species lists scientific names, best known English name, and brief description of geographical range. The entire checklist is available for download (see link below) as an excel spreadsheet. The checklist is also updated annually (see link below).

- **Check-List of Birds of the World** (Mayr, Greenway & Peters) 1935-1987 (QL 677 C47) Published in 16 volumes this was the second major taxonomic work on birds that attempted to list all species and subspecies. Superceded in large part by Sibley and Moore's taxonomic revisions.

- **Checklist of North American Mammals North of Mexico** (Jones) 1986 (ref QL 715 J6 1986)

- **Complete Checklist of the Birds of the World** (Howard & Moore) 1991 (ref QL 677 H75 1991)

- **World Checklist of Birds** (Monroe & Sibley) 1993 (ref QL 677 M695 1993) Based upon their Distribution and Taxonomy of Birds of the World.

- **World List of Mammalian Species** (Corbet & Hill) 1991 (ref QL 708 C67 1991)

**Clements Checklist of Birds of the World: A Checklist Download**

**Clements Checklist of Birds of the World: A Checklist Annual Update**

**A.O.U. Check-list of North American Birds**

(American Ornithologists' Union) 1998 (print copy available in ref QL 677 A52) Official source on the taxonomy of birds found in North and Middle America. Updated by supplements which appear in the journal Auk. For each species includes scientific name, common name, habitat, and distribution.

**Amphibian Species of the World**

(American Museum of Natural History. Department of Herpetology) Lists over 5,500 amphibian species. Search by taxonomic name (current or synonyms) or geographic place name; or browse taxonomically. Short species accounts include scientific taxonomy, common name, and geographic distribution. A earlier print version with the same title and published in 1985 is available in ref QL 645 F76 1985.

**Bird Checklists of the United States**

(Northern Prairie Wildlife Research Center) Directory of 315 checklists on a state-by-state basis compiled from national wildlife refuges, national parks, and other state and private management areas.

**Bird Checklists of the World**

(Avibase and Bird Links of the World) Contains bird checklists arranged by country with finer political or geographic subdivisions for some countries. Each geographic area includes up to five different lists which are derived from five standard checklists (Monroe and Sibley; Clements; Howard and Moore; AOU; and Commission Internationale Pour les Noms Français D’oiseaux).

**Checklist of Amphibian Species and Identification Guide: an Online Guide for the Identification of Amphibians in North America north of Mexico**

(USGS Northern Prairie Wildlife Research Center) Browsable checklist of all amphibian species and subspecies currently recognized in North America north of Mexico. Two versions of the checklist are available, one is sorted by family and then species name, the other by scientific name only. For selected species there is a link to additional identification information, including description, range map and photo. Also includes an annotated list of amphibian and reptile identification web sites.

**Checklist of Vertebrates of the United States, the U.S. Territories and Canada**

(Banks) 1987 (USFWS Resource Publication No. 166) (print copy available in Docs I 49.66:166)
Taxonomic Works: Field Guides

- **Birds of North American** (Alsop) 2001(ref QL681 Z625 2001) Guide containing one page descriptions of 930 bird species. For each species includes annotated color photographs to highlight the key field marks of the adult male; photographs or artworks of other plumages if they differ significantly; an explanation of the typical flight pattern; information on typical vocalizations, feeding behavior, breeding, nesting, population, and conservation concerns; and a range map showing each bird’s occurrence in North America during summer, winter, and on migration. Similar species are shown and distinguishing characteristics are noted. The work is arranged taxonomically. A subset of the main work *Birds of North American: Western Region* (Alsop) is available in QL 683 W4 B52 2001.
- **Field Guide to Western Birds, Western Region** (Peterson) 1990 (ref QL 683 W4 P4 1990) Part of the Peterson Field Guide series
- **Field Guide to Western Reptiles and Amphibians** (Stebbins) 2003 (ref QL 651 S783 2003) Part of the Peterson Field Guide series. See also the Quick-find Indexes to Robert Stebbins’ Field Guide to Western Reptiles and Amphibians (link below).

Quick-find Indexes to Robert Stebbins’ Field Guide to Western Reptiles and Amphibians

**All About Birds Bird Guide**
(Cornell Lab of Ornithology) Includes approximately 600 of the 700 regularly occurring bird species in North America. Browse by name, shape or taxonomy. Each entry includes keys to identification, brief life history, video clip and audio file.

Bibliography of Field Guides of the United States and Canada
(Livo and Colorado Herpetological Society) Lists regional, state and provincial herpetological field guides for the United States and Canada.

**Field Guides**
(eNature.com) Identification guide to 5,500 plant and animal species in North America derived from 35 Audubon Society field guides. Each species entry includes a large thumbnail image, description, habitat, range and varying additional information depending upon the species, e.g., an audio file. Select from 13 major groups of organisms (e.g., mammals, amphibians, fishes, trees, etc.) Within each group browse by broad types of organisms in the group; search by scientific or common name; or conduct an advanced search by size, color, habitat, region, and other options unique to each each group.

**International Field Guides**
(Schmidt) Includes annotations for over 5500 field guides covering plants, animals, rocks, minerals, astronomy and weather. Browse by broad taxonomic category or search by keyword.

**Checklist of Amphibian Species and Identification Guide: an Online Guide for the Identification of Amphibians in North America north of Mexico**
(USGS Northern Prairie Wildlife Research Center) Browsable checklist of all amphibian species and subspecies currently recognized in North America north of Mexico. Two versions of the checklist are available, one is sorted by family and then species name, the other by scientific name only. For selected species there is a link to additional identification information, including description, range map and photo. Also includes an annotated list of amphibian and reptile identification web sites.

**Virtual Bird Field Guide**
(About.com Guide to Birding) For each bird includes range, habitat, physical characteristics, food, nesting habits, links to additional online information, photo, and vocalization. Birds can be searched by common name, scientific name, or by their family.

Handbooks and Manuals - General

**Capture-Recapture and Removal Methods for Sampling Closed Populations**
(White, Anderson, Burnham and Otis) 1982 (print copy available in QH 352 W478)

Handbooks and manuals typically fall into two basic categories--1) works that contain data and descriptive information compiled from the “primary” literature and organized into tables or expository articles that can be used to answer many basic and factual questions; and 2) works that contain data compiled from both primary and secondary sources, usually presented in a more organized and systematic manner.
questions; and 2) works that contain procedures for experimental analysis in the field or laboratory.

- **Analysis and Management of Animal Populations: modeling, estimation, and decision making** (Williams, Nichols and Conroy) 2002 (QL 752 W526 2002)
- **Analysis of Wildlife Radio-Tracking Data** (White & Garrett) 1990 (QL 60.4 W45 1990)
- **Bibliography of Manuals and Handbooks from Natural Resource Agencies** (Burke) 1978 (Docs I 49.18:N21) Bibliography of manuals and handbooks published by natural resource agencies in the Western U.S.
- **Biological Monitoring of the Environment: a Manual of Methods** (Salanki) 1994 (QH 541.15 M64 B565 1994)
- **Biological Data Book** (Altman) 1972-1974 (ref QH 301 A39)
- **CRC Handbook of Census Methods for Terrestrial Vertebrates** (Davis) 1982 (QL 752 C7 1982)
- **Design and Analysis of Ecological Experiments** (Scheiner & Gurevitch) 1993 (QH 541.15 S72 D47 1993)
- **Designing Field Studies for Biodiversity Conservation** (Feinsinger) 2001 (QH 75 F45 2001) Practical guide to the use of scientific concepts and methods in conservation field studies.
- **Ecological Census Techniques: A Handbook** (Sutherland) 1996 (QH 541.15 S95 E26 1996)
- **Ecological Diversity and its Measurement** (Magurran) 1988 (QL 75 M32)
- **Estimation of Density from Line Transect Sampling of Biological Populations** (Burham, Anderson, and Laake) 1980 (QL 1 W54) (Wildlife Monographs #72)
- **Handbook of Biological Techniques** (Wyoming Game & Fish Department) 1982 (QH 352 W95 1982)
- **Handbook of Ethological Methods** (Lehner) 1996 (QL 751 L398 1996)
- **Handbook of Parametric & Nonparametric Statistical Procedures** (Sheshkin) 2000 (QA 276.25 S54 2000)
- **Introduction to Distance Sampling: estimating abundance of animal populations** (Buckland) 2001 (QL 752 I59 2001)
- **Measuring Biological Diversity** (Magurran) 2004 (QH 541.15 B56 M34 2004)
- **Measurements for Terrestrial Vegetation** (Bonham) 1989 (QH 911 B57 1989)
- **Monitoring for Conservation and Ecology** (Goldsmith) 1991 (QH 541.15 M64 M66 1991)
- **Monitoring Plant and Animal Populations** (Elzinga, Salzer, Willoughby and Gibbs) 2001 (QH 541.15 M64 M72 2001)
- **Monitoring Vertebrate Populations** (Thompson, White & Gowan) (QL 607.6 T48 1998)
- **Primer of Ecology** (Gotelli) 1995 (QH 352 G67 1995)
- **Radio Tracking and Animal Populations** (Millsapugh & Marzluff) 2001 (QH 60.4 R33 2001) Assesses the design and analytical techniques for wildlife radio tracking studies.
- **Sampling Design and Statistical Methods for Environmental Biologists** (Green) 1979 (QH 541.15 S72 G73)
- **Statistical Ecology: A Primer on Methods and Computing** (Ludwig & Reynolds) 1988 (QH 541.15 S72 L83 1988)
- **Wildlife Demography: Analysis of Sex, Age and Count Data** (Skalski, Ryding and Millsapugh) 2005 (QL 752 S524 2005) Unifies, evaluates, updates and illustrates methods of estimating wildlife demographic parameters from sex ratios, age structures, and count data.
- **Wildlife Radio Tagging: Equipment, Field Techniques and Data Analysis** (Kenward) 1987 (QL 60.4 K46 1987)
- **Wildlife Study Design** (Morrison, Block, Strickland and Kendall) 2001 (QH 541 W45 2001)

**Conserving Biodiversity on Military Lands: A Handbook for Natural Resources Managers**

- Leslie, Meffe, Hardesy, & Adams 1996

**Field Manual of Wildlife Diseases: General Field Procedures and Diseases of Birds**


**Handbook for Protection of Fish and Wildlife from Construction of Farm and Forest Roads**

- Hynson 1982 (FWS/OBS-82/18) (print copy available in Docs I 49.89:82/18)

**Inventory and Monitoring of Wildlife Habitat**


**Live Animal Capture and Handling Guidelines for Wild Mammals, Birds, Amphibians & Reptiles**

- (British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia's Biodiversity No. 3)
Management of Wildlife and Fish Habitats in Forests of Western Oregon and Washington  
(US Forest Service) 1985 (print copy available in Docs A 13.2 W64/17)

Manual of Stream Channelization Impacts on Fish and Wildlife  
(Simpson) 1982 (FWS/OBS-82/24) (print copy available in Docs I 49.89:82/24)

Methods for Evaluating Riparian Habitats with Application to Management  

Monitoring the Vegetation Resources in Riparian Areas  
Provides information on three sampling methods used to inventory and monitor vegetation resources in riparian areas

Prevention and Control of Wildlife Damage  
(Hygnstrom, Timm and Larson) 1994  
Comprehensive reference on the identification, control and management of 90 North American vertebrate species that cause economic damage to resources or become a nuisance at various times and places.

Procedures for environmental monitoring in range and wildlife habitat management  
(British Columbia Ministry of Environment, Lands and Parks and British Columbia Ministry of Forests. Habitat Monitoring Committee) 1996

Statistical Inference from Capture Data on Closed Animal Populations  
(HSU users only) (Otis, Burnham, White and Anderson) 1978 (print copy available in QL 1 W54) (Wildlife Monographs #62)

Statistical Inference for Capture-Recapture Experiments  
(HSU users only) (Pollock, Nichols, Brownie and Hines) 1990 (QL 1 W54) (Wildlife Monographs #107)

Stream Corridor Restoration: Principles, Processes, and Practices  
(Federal Interagency Stream Corridor Restoration Working Group) (print copy also available in Docs A 57.6/2:EN 3/PT.653)

Wildlife and Fisheries Habitat Improvement Handbook  
(Payne & Copes) 1988 (print copy available in Docs A13.36/2:W64/6)

Wildlife Hazard Management at Airports: a Manual for Airport Personnel  
(Federal Aviation Administration Office of Airport Safety and Standards) 2005

Wildlife Radio-telemetry  
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998  
(Standards for Components of British Columbia's Biodiversity No. 5)

Wildlife Resources Management Manual  
(US Army Corps of Engineers) (print copy available in Docs D103 .24/2:EL...)

Handbooks and Manuals - Amphibians and Reptiles

Field Sampling Methods and Identification Guides  
(Declining Amphibian Populations Task Force) Bibliography of sampling methods and identification guides, with an emphasis on the western United States.

- Annotated Bibliography of Amphibian and Reptile Field Study Methods  
  (Ratermann & Brode) 1983 (California Department of Fish & Game, Inland Fisheries Administrative Report 83-3) (Cal Doc F660 A3 83-3)

- Measuring and Monitoring Biological Diversity. Standard Methods for Amphibians  
  (Heyer) 1994 (QL 645.4 M43 1984)

- Reptile Biodiversity: Standard Methods for Inventory and Monitoring  
  (McDiarmid) 2012 (QL645.6 R47 2012)

- Sampling Amphibians in Lentic Habitats: Methods and Approaches for the Pacific Northwest  
  (Olson, Leonard & Bury) 1997 (QL 652 S26 1997)

- A Standardized Protocol for Surveying Aquatic Amphibians  
  (Fellers & Freel) 1995 (QL 667 F44 1995 and Docs I 29.109:NPS/WRUC/NRTR-95-01)

Inventory Methods for Plethodontid Salamanders  
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1999 (Standards for Components of British Columbia's Biodiversity No. 36)

Inventory Methods for Pond-breeding Amphibians and Painted Turtle  
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia's Biodiversity No. 37)
Handbooks and Manuals - Birds

- **Bibliography of Methods of Analyzing Bird Banding Data with Special Reference to Estimation of Population Size and Survival** (Anderson) 1972 (Docs I 49.100:156 (Special Scientific Report-Wildlife # 156)
- **Bird Banding** (McClure) 1984 (QL 677.5 M35 1984)
- **Bird Census Techniques** (Bibby & Burgess) 1992 (QL 677.4 B53 1992)
- **Bird Trapping and Bird Banding: A Handbook for Trapping Methods All Over the World** (Bub) 1991 (QL 677.5 B77413 1991)
- **CRC Handbook of Avian Body Masses** (Dunning) 1993 (QL 677.5 D86 1993)
- **Manual for Aeroplane and Ship Surveys of Waterfowl and Seabirds** (Komdeur, Bertelsen & Cracknell) 1992 (QL 677.5 M36 1992)

Breeding Season Population Census Techniques for Seabirds and Colonial Waterbirds Throughout North America (Steinkamp) 2003

Handbook of Field Methods for Monitoring Landbirds (USFS General Technical Report PSW-144) (Ralph) 1993 (print copy available in Docs A 13.88:PSW-144)

Inventory Methods for Colonial-Nesting Freshwater Birds: Eared Grebe, Red-Necked Grebe, Western Grebe, American White Pelican, and Great Blue Heron (British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia’s Biodiversity No. 8)

Inventory Methods for Forest and Grassland Songbirds (British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1999 (Standards for Components of British Columbia’s Biodiversity No. 15)

Inventory Methods for Marbled Murrelets in Marine and Terrestrial Habitats (British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 2001 (Standards for Components of British Columbia’s Biodiversity No. 10)

Inventory Methods for Marsh Birds: Bitterns and Rails (British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia’s Biodiversity No. 7)

Inventory Methods for Nighthawk and Poorwill (British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia’s Biodiversity No. 9)

Inventory Methods for Raptors (British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 2001 (Standards for Components of British Columbia’s Biodiversity No. 38)
Handbooks and Manuals - Mammals


Aerial Based Inventory Techniques for Selected Ungulates: Bison, Mountain Goat, Mountain Sheep, Moose, Elk, Deer and Caribou
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 2002 (Standards for Components of British Columbia’s Biodiversity No. 32)

Ground-based Inventory Methods for Selected Ungulates: Moose, Elk and Deer
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia’s Biodiversity No. 33)

Inventory Methods for Bats
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia’s Biodiversity No. 20)

Inventory Methods for Bears
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia’s Biodiversity No. 21)

Inventory Methods for Beaver and Muskrat
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia’s Biodiversity No. 23)
Inventory Methods for Hares and Cottontails
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia's Biodiversity No. 22)

Inventory Methods for Marten and Weasels
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia's Biodiversity No. 23)

Inventory Methods for Medium-sized Territorial Carnivores: Coyote, Red Fox, Lynx, Bobcat, Wolverine, Fisher & Badger
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia's Biodiversity No. 24)

Inventory Methods for Moles and Pocket Gopher
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 2001 (Standards for Components of British Columbia's Biodiversity No. 26)

Inventory Methods for Mountain Beaver, Bushy-tailed Woodrat and Porcupine
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia's Biodiversity No. 27)

Inventory Methods for Pikas and Sciurids: Pikas, Marmots, Woodchuck, Chipmunks and Squirrels
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia's Biodiversity No. 29)

Inventory Methods for Small Mammals: Shrews, Voles, Mice & Rats
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia's Biodiversity No. 31)

Inventory Methods for Wolf and Cougar
(British Columbia: Ministry of Environment, Lands and Parks: Resources Inventory Committee) 1998 (Standards for Components of British Columbia's Biodiversity No. 34)

Methods for Measuring Populations of Arboreal Rodents

Sampling Methods for Bats

Spotlight and Daylight Cruise Survey of Deer: Collecting and Interpreting Data
(Stevens)
Map of Oregon Important Bird Areas
(Hunter and Audubon Society of Portland)

Nevada Biodiversity Atlas
(Biological Resources Research Center) Interactive mapper that provides data on plant, animal, and sensitive species in Nevada's mountain ranges.

Oregon Wild Atlas
(Oregon Natural Resources Council) Text and maps characterize the remaining 5 million areas of forests available for wilderness designation.

Range Maps of Terrestrial Species in the Interior Columbia River Basin and Northern Portions of the Klamath and Great Basins
(Marcott, Wales, and Demmer) 2003 (USFS General Technical Report PNW-583) (print copy available in Docs A 13.88: PNW-583) Contains range distribution maps for 14 invertebrate, 26 amphibian, 26 reptile, 339 bird, and 125 mammal species and selected subspecies (530 total taxa) of the interior Columbia River basin and northern portions of the Klamath and Great Basins in the United States. Prepared as part of the Interior Columbia Basin Ecosystem Management Project (ICBEMP). GIS files are available from ICBEMP (see link below).

ICBEMP

Geospatial Resources: Atlases, Maps, GIS, Imagery, Telemetry - Other Geographic Regions

- Ecological Inventory Map Series (US Fish and Wildlife Service) 1980-1982 (Docs I 49.6/5: Ec7) On a 1:250,000 USGS map base the distribution of fish, wildlife, and plant species along the coastal areas of the conterminous 48 states are depicted. Species with special status are shown in red. Some land use and land cover designations are also shown. There are a total of 79 maps issued in four series: Atlantic Coast, Gulf Coast, Lower Mississippi Basin, and Pacific Coast. Each series includes an accompanying "Users Guide and Informative Base" report that provides detailed explanations and additional technical information about the ecological data plotted on the maps.

Atlas Projects
(Bird Links to the World) Directory of Internet-based breeding bird atlases, organized geographically.

Interactive Migration Map
(Boreal Songbird Initiative) View individual bird migration routes to their breeding grounds in Boreal Forest of North America.

Maps & Distribution of the Birds of the Western Palearctic Region
(Masi) Distribution maps for birds of the Western Palearctic Region.

Wildlife Distribution Maps
(Southeastern Wildlife Disease Study) Contains population distribution/density maps on a U.S. base map for 15 large mammal species.

Images and Sounds - Directories

One can use a combination of general and specialized Internet search engines to find images on the web. See the HSU research guide Search Engines for Images, Multimedia, & Video (link below) for a list of specialized image search engines. However, search engines fail to index the content of the "invisible web", especially information contained within databases. The following resources are specialized indexes and databases devoted to wildlife images or sounds.

- Index to Illustrations of Living Things Outside North America (Mumz & Slauson) 1981 (ref N 7525 M86) Indexes illustrations of 9,000 species found in over 200 books. List of books is annotated with HSU Library holdings.
Index to Illustrations of the Natural World: Where to Find Pictures of the Living Things of North America (Thompson) 1977 (ref N 7525 56) Indexes pictures of 3,000 species found in 178 books. List of books is annotated with HSU Library holdings.

Search Engines for Images, Multimedia, & Video

Sight & Sound Galleries
(Ornithological Web Library) Directory of web sites for bird sounds and images. Browse by taxonomy, geography, institution, or photographer.

Images and Sounds - Selected Resources

- **Bird Songs of California** (Cornell Laboratory of Ornithology) 2003 (compact disc CD-4756) Records and identifies more than 220 species of birds from California.
- **Cornell Lab of Ornithology's Guide to Birds of North America** (Thayer Birding Software) 2001 (software program mounted on Reference cd-rom computers) Contains 710 bird songs, 96 videos of birds, 2681 color photos of birds, and information on 930 bird species found in the United States and Canada.
- **Diversity of Animal Sounds** (Cornell Laboratory of Ornithology) 2001 (compact disc CD-4494)
- **Frog and Toad Calls of the Pacific Coast** (Cornell Laboratory of Ornithology) 1995 (compact disc CD-4112)
- **Know Your Common Bird Songs** (Axia International) 1994 (QL 681 K5 1994) Software program that includes photos, full-motion videos, sound clips, and illustrations that aid in learning to identify more than 100 common North American birds by song alone.
- **Western Bird Songs** (Cornell Laboratory of Ornithology) 1992 (compact disc CD-4754) Organized as a companion to Roger Tory Peterson's *Field Guide to Western Birds*, this collection contains songs and calls of 522 species of birds found in western North America.

American Field Guide
(Oregon Public Broadcasting and PBS) Includes over 1400 videos on the American environment produced by 30 PBS stations. Search by keyword or browse by one of the broad categories—animals, ecosystems, human history, livelihoods, earth and space, plants, public policy and recreation.

ARKive: Images of Life on Earth
Collection of videos and images illustrating the world’s wildlife.

Beautiful Birds: Masterpieces from the Hill Ornithology Collection
(Cornell University Library) Contains over 275 images from an online exhibition of pre-1900 ornithological artists; also includes bird songs for some species. Searchable by artist, technique, or bird name.

Bird Audio
(eNature.com) Contains audio clips of the songs and calls of more than 550 North American birds.

Bird Photography Library
(About.com Guide to Birding) Arranged by species of bird as well as by photographer.

CalPhotos: Animals
(UC Berkeley Digital Library Project) Contains over 20,000 images of animals that can be browsed by common or scientific name.

Christine's Free Bird Clipart
(About.com Guide to Birding)

Complete Morris's British Birds 1891

European Birds Songs, Calls and Sonagrams
(Masi)

Internet Bird Collection
(Lynx Edicions) Online audiovisual library of video footage of the world’s birds. While the initial aim is to post at least one video per species, the long-term objective is to eventually include several videos showing a variety of biological aspects (e.g. feeding, breeding, etc.) for every species. Search by taxonomy or geography.

List of Plates

Listen to Nature
(British Library) The British Library Sound Archive Wildlife Section holds over 150,000 sounds of every animal group and habitat from all over the world. Search by location, habitat or animal group. All recordings can be listened to on the premises of the British Library. Selected recordings are accessible online.
Louis Agassiz Fuertes
(Division of Rare and Manuscript Collections, Cornell University Library) Includes over 2,500 personal bird illustrations.

National Image Library
(US Fish & Wildlife Service) Contains copyright free pictures of fish and wildlife, environmental scenes, and conservation issues.

NBII Digital Image Library
(US National Biological Information Infrastructure) Contain images of amphibians, reptiles, birds, mammals, crustaceans, insects, plants, trees, scenic landscapes, environments, as well as wildlife management. Browse using broad subject categories or search for specific images using the search tool. Most images are in public domain.

Pictures/Images
(US Fish & Wildlife Service) Contains links to pictures and images of fish and wildlife.

Visual Resources for Ornithology--VIREO
(Academy of Natural Sciences) Includes more 25,000 online bird photos and 120,000 total photographs, on 6,650 species contributed by more than 500 photographers.

Wildlife Photo Safari
(Colorado State University) Contains 20,000 wildlife images in the Warren and Genevieve Garst Photographic Collection.

Wildlife Damage Photographs
(National Wildlife Research Center) Collection of images related to wildlife damage management.

Xeno-Canto
(Xeno-Canto Foundation) database of shared bird sounds from the whole world contributed by professional and amateur birders. Identify bird sounds using six field characteristics or browse by common name, scientific name, recorder, location, elevation, etc.

Environmental Reviews, Assessments & Plans

Environmental reviews typically provide an analysis of environmental issues along with accompanying statistical data. For broader reviews see Environmental Reviews listed in the HSU Library Environmental Science research guide. Reviews, assessments, and plans specific to wildlife include:

- Audubon Wildlife Report (National Audubon Society) 1985-1989 (ref QL 84.2 A9)
- Bird Conservation (International Council for Bird Preservation) Annual (QL 682 B57) Includes annual bibliography of recent literature entitled “Review of Bird Conservation Literature” as well as series of reports on bird conservation issues and reports on endangered species.
- Wildlife (Thomas) IN Natural Resources for the 21st Century (Sampson and Hair) 1990, pp 175-204 (print copy available in HC 103.7 N296 1990) Assessment presented at a conference sponsored by the American Forestry Association with many co-sponsors, including the Wildlife Society.

Environmental Reviews

Canadian Shorebird Conservation Plan
(Canadian Wildlife Service) 2000

Endangered Species Recovery Plans
(US Fish & Wildlife Service) Includes over 700 final and revised recovery plans issued since 1989. These plans delineate reasonable actions required to recover and/or protect listed species. Each recovery plan includes extensive accounts on the distribution, habitat, ecology, life history, population status and plans for recovery.

Global Amphibian Assessment
(World Conservation Union and Conservation International) Comprehensive assessment of the conservation status of the world’s 5,743 known species of frogs, toads, salamanders, and caecilians. The website presents results of the assessments, including IUCN Red List threat category, range map, ecology information, and other data for every amphibian species. Search the GAA database for species by name, taxonomy, country, region, habitat type, threat type, or IUCN Red List status.

Pacific Northwest Conservation Assessment
(Conservation Biology Institute) Provides a conservation assessment for each of the 40 ecoregions in the greater Pacific Northwest and contains links to important geographic data sources to facilitate regional conservation planning.

State of the Birds
(Audubon Society) Contains links to reports on how United States birds – both common and rare – are faring. The reports utilize population data from the Christmas Bird Count, the U.S. Geological Survey’s Breeding Bird Survey and other wildlife and habitat research.

State of the Birds: United States of America
State of the World’s Birds
(Bird Life International) Synthesis of the current state of knowledge that provides a benchmark against which biodiversity efforts can be judged in the future. The three parts to the assessment examine what birds tell us about the current state of biodiversity, the pressures upon it and the solutions that need to be inacted.

States of the Union: Ranking America's Biodiversity
(NatureServe) 2002. Using species inventories conducted by state natural heritage programs this report ranks all 50 states and the District of Columbia on key biological characteristics including diversity of species; distinctiveness of the flora and fauna (endemism); levels of rarity and risk; and species already lost to extinction.

Status and Trends of the Nation's Biological Resources

U.S. Shorebird Conservation Plan
(U.S. Shorebird Conservation Plan Council) 2000. Conservation strategy for migratory shorebirds and the habitats upon which they depend. Provides a scientific framework to determine species, sites, and habitats that most urgently need conservation action.

Wildlife-associated recreation trends in the United States: A technical document supporting the Forest Service 2010 RPA Assessment


Software

Clearinghouse for Ecology Software
(Diehl and Larkin)

Patuxent Software Archive
(U.S. Geological Survey. Patuxent Wildlife Research Center)

Population Analysis Software Group
(University of Manitoba)

Software and Data Analysis
(BIOTELEM)

Software and Predictive Models
(U.S. Geological Survey. Fort Collins Science Center) Includes Habitat Evaluation Procedures (HEP) and Habitat Sustainability Index (HSI) software. In addition to the Habitat Suitability Index software all 157 Habitat Suitability Index (HSI) Models are available(see link below)( Print copies are available in Docs I 49.97.).

Habitat Suitability Index (HSI) Models

Software Developed by the Department of Fishery and Wildlife Biology and Colorado Coop. Fish and Wildlife Unit
(Colorado State University)

Software Published in the Wildlife Society Bulletin
(Wildlife Society)

Software Sources
(Evan Cooch)
Sources of wildlife data and compiled statistics include the following:

**Bird Monitoring in North America**

**BirdWeb: Bird Survey and You**
(British Trust for Ornithology) Contains links to bird monitoring programs in Great Britain.

---

**Statistical and Data Compilations - Sources**

- **Report of Lands Under Control of the U.S. Fish and Wildlife Service** (US Fish & Wildlife Service) (Docs 1 49.102) Annual statistical report containing data on number of administrative units, their acreages, location, and method of acquisition. Includes national wildlife refuges, waterfowl protection areas, and national fish hatcheries.

**Arctic Birds Breeding Conditions Survey**
(International Wader Study Group) Contains online information on bird breeding success, rodent abundance and certain weather characteristics in the Arctic from 1988 to the present. Data on distribution and numbers of individual bird species can be obtained by querying the Bird Species Database (see link below).

**Bird Species Database**

**Breeding Biology Research & Monitoring Database (BBIRD)**
(Montana Cooperative Wildlife Research Unit, University of Montana) Database contains over 32,000 nest records.

**Canadian Breeding Bird (Mapping) Census Database**
(Kennedy, Dilworth-Christie and Erskine) 1999. Report and downloadable database containing records for 285 species of birds gathered through 928 censuses of 640 distinct plots. Censuses span the years from 1927 to 1993 with the bulk of the data collected between the mid-1960s and the early 1980s. The data are derived from “spot- or territory-mapping” censuses in variably-sized plots across Canada. Habitat codes are appended to each plot to define the primary and secondary habitat types present within the plot. For each plot dominant canopy, shrub and ground cover species are listed. Densities are calculated per 100 hectares for all bird species detected on a plot.

**Canadian Bird Trends Database**
(Canadian Wildlife Service) Retrieval system that provides information on Canadian bird species, including population trends and taxonomy, with links to range maps and life history information, and national conservation designations. Population trends are derived from Breeding Bird Survey in Canada (BBS) data and are updated on an annual basis.

**Christmas Bird Count**
(National Audubon Society). Starting in 1900, the CBC is the world's longest-running citizen science program. Each year birds are counted in each 15-mile radius CBC circle on one day between December 14th and January 5th, and the combined data from more than 2000 counts provide a guide to the status of early-winter bird populations across the Americas. American Birds provides an annual summary report of the annual Christmas Bird Count. Use current and historical count data to generate maps and graphs and view data.

**eBird**
(Cornell Laboratory of Ornithology and National Audubon Society) Database composed of bird observations contributed by individuals across the North American continent. Individuals can enter and retrieve information on their contributed bird observations for their personal use. The entire historical database can be queried by birdwatchers, scientists, and conservationists who want to know more about the distributions and movement patterns of birds across the continent.

**Estimates of Shorebird Populations in North America**
(Morrison and others) 2001 (print copy available in SK 351 C34 #104) Contains estimates for the population sizes of 53 species of Nearctic shorebirds occurring regularly in North America, plus four species that breed occasionally.
Great Backyard Bird Count
(Cornell Lab of Ornithology and National Audubon Society) Annual count of species observed and abundance as reported by more than 50,000 volunteer observers during four days each February.

HawkCount
(Hawk Migration Association of North America) Daily and monthly counts from hundreds of hawk migration counting sites in North America.

MAPS/NBII Avian Demographics Query Interface
(Institute for Bird Populations) Provides bird population demographic results from the Monitoring Avian Productivity and Survivorship Program (MAPS). Updated survival rate estimates and productivity indices based on ten years (1992-2001) of bird banding data are available online for more than 150 species of North American landbirds. Search by species and region.

Mid Winter Bald Eagle Count
(National Biological Information Infrastructure) Provides access to results of annual Midwinter Bald Eagle Surveys conducted from 1986 to date along 746 routes in 43 states. You can retrieve raw count data as well as summary information (trends, means, high and low counts) for survey routes. Search by state, map location, drainage/survey route name, or geographic coordinates (latitude and longitude).

Mid-Winter Waterfowl Survey
(US Fish and Wildlife Service) Surveys waterfowl in major concentration areas in the United States and is the primary source of information on population trends for some species. The survey also is useful in documenting the distribution of waterfowl on their wintering grounds and in assessing habitat use.

National Survey of Fishing, Hunting, and Wildlife-Associated Recreation
(US Fish and Wildlife Service) (print copy available in Docs I 49.98/2) Survey conducted every five years that measures fishing and hunting activities, as well as wildlife watching activities.

National Wildlife Strike Database
(U.S. Federal Aviation Administration) Generate strike statistics by wildlife species, state and time period.

North American Breeding Bird Survey
(US Fish and Wildlife Service and Canadian Wildlife Service) Large-scale survey, annually conducted since 1966, that monitors the status and trends of North American bird populations. The roadside survey along 3,700 survey routes primarily covers the continental United States and southern Canada. The primary objective of the survey is to compile and deliver population data and population trend analyses on more than 400 bird species for use by conservation managers, scientists, and the general public.

Public Land Statistics
(U.S. Bureau of Land Management) (print copy available in Docs I 53.1/2)

Waterbird Monitoring Database
(US Fish and Wildlife Service) Contains data gathered from waterbird (seabirds, coastal waterbirds, wading birds, marshbirds) surveys across the United States.

Waterbird Population Estimates

Waterfowl Breeding Population and Habitat Survey
(US Fish and Wildlife Service) Conducted annually since 1947 provides estimates of the spring population size and trajectory of the breeding populations of North American ducks, geese, and swans. The first print report was published as Special Scientific Report No. 45 (Docs I 49.15) and continued in the Special Scientific Report - Wildlife series (Docs I 49.15/3), the Fish and Wildlife Technical Report series (Docs I 49.100) and the Waterfowl Population Status series (Docs I 49.100/3).

Guides

In a sense this publication is a literature guide. Listed below are more formal ones which discuss the organization of research literature in wildlife and list reference materials. Although there is no separate guide to wildlife literature, the following sections within larger works are useful.

- "Amphibians and Reptiles"; "Birds"; "Mammals"; and "Vertebrates" IN Guide to Reference and Information Sources in the Zoological Sciences (Schmidt) 2003 (ref QL 45.2 S35 2003) Each chapter includes sections on indexes and bibliographies; core journals; dictionaries and encyclopedias; checklists, taxonomies
directories/Portals/Gateways

These are commonly alphabetical or subject listings of people, organizations, places, or animals. In addition to those listed below many of the Internet Directories/Portals/Gateways in wildlife list additional Internet-based directories (see link below).

- **Threatened Birds of the World** (BirdLife International) 2000 (Ref QL 676.7 T45 2000) Covers 1,186 globally and near threatened species. Each species includes a half-page annotation with map and information on identification and taxonomy; IUCN red list category, range and population, ecology, threats, conservation activities, targets for priority actions to improve the species status, and references. BirdLife International provide the bird information for the IUCN Red List of Threatened Species (see link below). Updated accounts are also found at BirdLife International Data Zone (see link below) along with other associated information on Important Bird Areas (IBAs) and Endemic Bird Areas (EBAs).

### BirdLife International Data Zone

- **CITES-listed Species Database** (Convention on International Trade in Endangered Species of Wild Fauna and Flora)

### Extinct Vertebrates of the USA, US Territories and Canada since 1492

(Mallory)

- **IUCN Red List of Threatened Species** (International Union for Conservation of Nature and Natural Resources) Provides taxonomic, conservation status and distribution information on taxa that have been globally evaluated using the IUCN Red List Categories and Criteria. Includes links to associated databases with additional species accounts and descriptions. Older print red data books detailed species accounts and analyses not found in the database.

  - **IUCN Mammal Red Data Book** 1982 (Ref QL 703 I86)

- **Longevity Records: Life Spans of Mammals, Birds, Amphibians, Reptiles, and Fish** (Cary and Judge) 2000. Contains nearly 4,100 longevity records (reports of highest documented age) for 3,054 species/subspecies of mammals, birds, amphibians, reptiles, and fish.

- **Species in Parks Flora and Fauna Database** (International Center for the Environment and National Park Service) Directory of species in US National parks; searchable by park or species name.

- **Threatened and Endangered Species System--TESS** (US Fish and Wildlife Service) Database of official threatened and endangered species and candidate species in the United States. Browse by various categories or search by species. Each account gives status details, recovery plans and links to NatureServe species accounts.

### Directories - People

These are commonly alphabetical or subject listings of people, organizations, places, or animals. In addition to those listed below many of the Internet Directories/Portals/Gateways in wildlife list additional Internet-based directories (see link below).

- **Wildlife Consultants in California** (Fitzhugh) 1995 (Ref SK 383 W55)

Internet Directories/Portals/Gateways

- **Directory of Water Expertise** (University of California, Center for Water Resources) Lists more than 2,000 faculty and staff from the University of California and California State University systems, and experts from state and federal agencies who are involved with water-related/wildland-use related topics.
California State University systems, and experts from state and federal agencies who are involved with water-related/wildland-related research and resource management in California.

### Directories - Organizations

**Internet Directories/Portals/Gateways**

These are commonly alphabetical or subject listings of people, organizations, places, or animals. In addition to those listed below many of the Internet Directories/Portals/Gateways in wildlife list additional Internet-based directories (see link below).

- **Federal Regulatory Directory** (Congressional Quarterly) Biennial (ref KF 5408 A15 F4) Comprehensive guide to federal regulatory agencies. Includes laws under which agencies derive their regulatory responsibilities.

- **California Department of Fish & Game: Divisions, Branches, and Offices**
  (California Department of Fish & Game)

- **Conservation Directory**
  (National Wildlife Federation) annual (print copy available in ref S 920 C64) Lists federal, state, and some international agencies; national and regional organizations, commissions, and citizen's groups involved in natural resource use and management. Includes brief descriptions and key personnel.

- **Fish and Wildlife Management Offices: State, Territorial, and Tribal**
  (US Fish and Wildlife Service)

- **North American Flyways Directory**
  (Northern Prairie Wildlife Research Center) 2002

- **Office Directory**
  (US Fish & Wildlife Service) Lists USFWS national, regional, and field offices; national wildlife refuges; and State Fish and Wildlife Management Offices.

- **U.S. Government Manual**
  (U.S. National Archives & Records Service) Annual (print copy also available in ref JK 421 A3) Directory of agencies in the executive, judicial, and legislative branches of the federal government.

### Directories - Education

**Internet Directories/Portals/Gateways**

These are commonly alphabetical or subject listings of people, organizations, places, or animals. In addition to those listed below many of the Internet Directories/Portals/Gateways in wildlife list additional Internet-based directories (see link below).

- **Academic Programs in Conservation Biology**
  (Center for Conservation Biology)

- **A Guide to Graduate Study in Ornithology**
  (Wilson Ornithological Society) 2003

### Directories - Places

**Internet Directories/Portals/Gateways**

These are commonly alphabetical or subject listings of people, organizations, places, or animals. In addition to those listed below many of the Internet Directories/Portals/Gateways in wildlife list additional Internet-based directories (see link below).

- **AZA Membership Directory** (American Zoo & Aquarium Association) Annual (ref QL 76 274)

- **American Bird Conservancy Guide to the 500 Most Important Bird Areas in the United States** (American Bird Conservancy and Nature Conservancy) 2003 (Ref QL 682 A54 2003) Contains descriptions of 500 critically important bird areas. These area contains a significant population of an endangered or threatened species; a significant population of a Watch List species; a significant population of a species with a limited range; or a significantly large concentration of breeding, migrating or wintering birds.
Significant population of a species with a limited range, or a significantly large concentration of breeding, migrating or wintering birds. Each entry includes ornithological highlights, ownership information, habitats and land use, common species, conservation issues and visitor information. Globally Important Bird Areas of the United States (see link below) has an interactive map that shows all 500 bird areas by state with links to the guide entry and a web site for each site.

- **International Zoo Yearbook** (Zoological Society of London) Annual (QL 76 I55) Includes a directory of zoos in addition to inclusion of scholarly articles.

- **Inventory of California Natural Areas** (California Natural Areas Coordinating Council) 1975-1986 (ref QH 76.5 C2 C35) 15 loose-leaf volumes that list by county more than 1,500 California natural areas ranging in size from less than one acre to over one million acres. For each natural area gives name of area, reference number, one-line description of the major features of the area, county, geographic coordinates, USGS topographic quads, PLSS coordinates, size, elevation range, ownership, maximum of two pages describing the area’s natural history, past and present use and condition, and references. Includes alphabetical list of all natural areas and index of species included in natural area descriptions.

- **University of California Natural Land and Water Reserves System** (University of California) 1976- (ref QH 76.5 C2 V63) Contains brochures for each of the reserve areas. Complemented by Information about Individual Reserves (see link below)

- **Where the Birds Are: A Guide to All 50 States and Canada** (Jones) 1990 (ref QL 682 J66 1990) Directory of birding locations which lists bird abundance by season.

- **World Directory of National Parks and Other Protected Areas** (International Union for Conservation of Nature and Natural Resources) 1977 (ref SB 481 W62) First definitive directory of the world’s national parks and protected areas. Annotations include information not found in later directories. The Nationally Designated Protected Areas Database (see link below) includes records of protected areas covering less than 1,000 ha.

**Globally Important Bird Areas of the United States**

**United Nations List of Protected Areas**

(International Conservation Union and World Conservation Monitoring Centre) Definitive list of the world’s national parks and reserves.

**Information about Individual Reserves**

**Nationally Designated Protected Areas Database**

**Zoos Worldwide**

Lists zoos, aquariums, animal sanctuaries and wildlife parks worldwide. Use an interactive map to select the geographic area of interest.

---

**Content Attribution**

Some of the content of this page was created in another format by Robert Sathrum, HSU Librarian, retired 06/2013.