

## Marine Science Resource Guide

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This guide provides selected information resources on marine science. For specific book and periodical titles, check the [Suffolk University Library Catalog](#).

### Periodical Indexes and Full-Text Databases

#### [Wiley Interscience](#)

The publisher John Wiley & Sons, Inc. produces this database consisting of its own scientific, technical, and medical full-text journals as well as more than 850 scholarly journals from the Blackwell Synergy database which merged with Wiley Interscience on July 1, 2008. The life sciences journals in this database address subjects such as zoology, ecology, biology, anatomy, bioinformatics, genetics, genomics, molecular cell biology, and neuroscience.

#### [SpringerLink](#)

Springer, a major publisher of scientific, technical, and medical books and journals, provides indexing and full-text for about 750 of its journals in this database. Includes approximately 200 biological sciences and medical journals.

#### [HighWire Press](#)

<http://www.highwire.org>

HighWire Press, a division of the Stanford University Libraries, produces this high-quality database of over 350 scholarly physical, biological, social and medical sciences journals, but not all of the articles you retrieve are freely accessible, i.e. you may be asked if you want to purchase an article.

### [Academic Search Complete](#)

Our best general research database, this online multi-disciplinary resource covers a wide range of academic areas including biology, chemistry, physics, and medical sciences and provides indexing and abstracting for nearly 4,700 scholarly publications with full-text access for over 3,600 of the titles. Indexing and abstracting coverage begins generally from the mid-1980's and full-text coverage for many titles dates back to 1990. You may limit search results to full-text and/or peer-reviewed articles.

### [Academic OneFile](#)

Provides indexing and abstracting of 3,000 academic and popular journals covering a variety of academic fields. Full-text provided for about 2,000 titles. Coverage begins in 1980. You may limit search results to full-text and/or peer-reviewed articles.

### [SpringerLink](#)

Springer, a major publisher of scientific, technical, and medical books and journals, provides indexing and full-text for about 750 journals in this database. Includes approximately 200 biological sciences and medical journals.

### [JSTOR](#)

JSTOR, the self-described "scholarly journal archive," includes articles found in the aquatic sciences, biological sciences, zoology, and ecology and evolutionary biology categories. If you are doing historical research or searching for older articles, you will appreciate JSTOR's policy of including the entire backfile of journals in its database. Be aware that the most recently published issues (past 3-5 years) of journals are not available on JSTOR.

### [BioOne](#)

Founded by organizations such as The American Institute of Biological Sciences (AIBS) and Scholarly Publishing & Academic Resources Coalition (SPARC), this database contains full-text biological, ecological and environmental sciences research journals of small societies and non-commercial publishers.

### [GreenFILE \(Environmental Database\)](#)

Self-described "research database focusing on the relationship between human beings and the environment, with well-researched but accessible information on topics ranging from global warming to recycling to alternate fuel sources and beyond." Includes some full-text and links to full-text.

## [Encyclopedia of Ocean Sciences](#)

This is an online six-volume encyclopedia containing more than 400 comprehensive articles on "the physical processes that drive the oceans and the chemical, biological, and geological disciplines." Topics include "ocean technology, law of the oceans, global programs, marine policy, the use of the oceans for food and energy, and the impact of pollution and climate changes."

## [Gale Virtual Reference](#)

This collection of online reference works includes: *Grzimek's Animal Life Encyclopedia*; *Encyclopedia of Aquaculture*; *Water: Science and Issues*; *Pollution A to Z*; *Geo-Data: The World Geographical Encyclopedia*; and *Beacham's Guide to the Endangered Species of North America*.

## **Government and Institution Websites**

### [National Sea Grant Library \(NSGL\): Depository Database](#)

<http://nsgd.gso.uri.edu/searchguide.html>

Sea Grant, a partnership between U.S. universities and the National Oceanic and Atmospheric Administration (NOAA), has funded research since 1966. The searchable NSGL database, consisting of over 30,000 bibliographic records of Sea Grant funded research, enables you to retrieve citations, abstracts and some full-text. The database is updated monthly. "These documents cover a wide variety of subjects, including oceanography, marine education, aquaculture, fisheries, limnology, coastal zone management, marine recreation and law."

### [National Oceanic and Atmospheric Administration \(NOAA\)](#)

<http://www.noaa.gov/>

The NOAA websites are packed with information published by its organizations including: the National Weather Service (e.g. [NOAA La Nina Page](#)); Satellites and Information; Fisheries (e.g. [NOAA Fisheries: National Marine Fisheries Service](#)); Ocean Service (e.g. [NOAA Coastal Services Center: Harmful Algal Bloom Project](#)); Research; and Marine & Aviation Operations. The [NOAA Central Library](#) web page has a list of useful links to resources such as the [NOAA Browser](#) which enables you to navigate the over 500 NOAA internet sites. The [NMFS Scientific Publications Office](#) provides information on purchasing NMFS publications and links to free full-text in recent issues of the *Fishery Bulletin* and the *Marine Fisheries Review*.

### [U.S. Fish & Wildlife Service](#)

<http://www.fws.gov>

Includes information about the U.S. Fish & Wildlife Service's coastal conservation and endangered species programs, fisheries and habitat conservation, national wetlands inventory, and other areas where the Service is active.

## [Woods Hole Oceanographic Institution](http://www.whoi.edu/)

<http://www.whoi.edu/>

The mission of Woods Hole, the largest independent oceanographic institution in the world, "is to develop and effectively communicate a fundamental understanding of the processes and characteristics governing how the oceans function and how they interact with Earth as a whole." The WHOI website consists of 3 major sections: a general institution website, research and marine operations, and educational opportunities. Also worth noting are the numerous [bibliographies](#) on fisheries (e.g. Early Life History of Fishes), marine mammals (e.g. Small Cetaceans), and other marine environment topics (e.g. George's Bank) maintained by the Marine Biological Laboratory/Woods Hole Oceanographic Institute Library.

## [Scripps Institution of Oceanography](http://www.sio.ucsd.edu/)

<http://www.sio.ucsd.edu/>

Self-described as "one of the oldest, largest, and most important centers for marine science research, graduate training, and public service in the world," Scripps maintains a website that includes: research overviews; expedition photographs; and a selection of current articles from Scripps' quarterly magazine [Explorations](#).

## [AGRICOLA](http://agricola.nal.usda.gov/)

<http://agricola.nal.usda.gov/>

AGRICOLA, the online catalog for the National Agricultural Library (NAL), also provides a means of accessing agricultural information from around the world. The "Books" search contains references to books and other materials in the NAL library but the "Articles" search includes citations, abstracts, and links to online full-text where available. Some of the allied disciplines covered in AGRICOLA include aquaculture and fisheries, and earth and environmental sciences.

## **Directories and Metasites**

### [BiologyBrowser](http://www.biologybrowser.org/)

<http://www.biologybrowser.org/>

Do a keyword search or browse by organism, subject, or geography to find relevant life sciences web links.

### [Marine Biology Web](http://life.bio.sunysb.edu/marinebio/mbweb.html)

<http://life.bio.sunysb.edu/marinebio/mbweb.html>

Jeff Levinton, a marine biology faculty member at SUNY Stony Brook, has created MBWEB to serve as "an educational resource for marine biology students." The website includes links to: marine labs, graduate programs, marine biology college programs, and internships; a glossary of marine biology; and bibliographies on various subjects.

### [Intute Oceanography Gateway](http://www.intute.ac.uk/sciences/cgi-bin/browse.pl?id=129)

<http://www.intute.ac.uk/sciences/cgi-bin/browse.pl?id=129>

The Intute Gateway describes itself as providing "free access to high quality resources on the Internet. Each resource has been evaluated and categorised by subject specialists based at UK universities." Among the topics included are: biological, geological, chemical, and physical oceanography.

### [MarLIN: Marine Life Information Network for Britain and Ireland](http://www.marlin.ac.uk/)

<http://www.marlin.ac.uk/>

MarLIN's website provides information about marine life and habitat around Britain and Ireland. The information is keyword searchable by scientific name, phylum, or common name.

### [Internet Guide to International Fisheries Law](http://www.intfish.net/)

<http://www.intfish.net/>

OceanLaw Information and Consultancy Services produces and hosts this web gateway to international fisheries law and related subjects.

## **Selected Web Resources**

### [Suffolk University, Department of Biology: Biology/Marine Science Program](http://www.cas.suffolk.edu/college/7199.html)

<http://www.cas.suffolk.edu/college/7199.html>

Check here for information about Suffolk's Marine Science Program and the [Robert S. Friedman Field Station](#) at Cobscook Bay in Edmunds, Maine.

### [AlgaeBase](http://www.algaebase.org)

<http://www.algaebase.org>

This website contains a searchable database of information on terrestrial, marine and freshwater forms of world algae.

### [CephBase](http://www.cephbase.utmb.edu/)

<http://www.cephbase.utmb.edu/>

"The purpose of CephBase is to provide taxonomic data, life history, distribution, images, videos, references and scientific contact information on all living species of cephalopods (octopus, squid, cuttlefish and nautilus)." The CephBase Project Manager is James Woods, a researcher at the National Resource Center for Cephalopods, University of Texas Medical Branch.

### [FishBase - a Global Information System on Fishes](http://www.fishbase.org/search.cfm)

<http://www.fishbase.org/search.cfm>

This site says of itself: "FishBase on the web contains practically all fish species known to science." Fish are searchable by common name, scientific name, by family, and several other methods. Information retrieved often includes color photographs as well as concise biological information and links to other information sources.

### [WhaleNet](#)

<http://whale.wheelock.edu/>

J. Michael Williamson, Associate Professor at Wheelock College in Boston, is the principal investigator associated with WhaleNet which is an "interactive educational web site which focuses on whales and marine research." The site is keyword searchable and there is also a browsable index of topics. One of the fun features of this site is the [Satellite Tagging Data, Maps and Information](#) page where you can access maps and information about tagged seals, whales, porpoises, and turtles.

### [Aqua KE Government Documents Library](#)

<http://govdocs.aquake.org/>

Browse or search for full-text documents from national governments and research consortia from around the world related to mariculture.

## **Selected Print Resources**

### [A Dictionary of Ecology](#)

REF QH540.4 .C66 2004

This dictionary contains definitions for about 5,000 terms in the areas of environmental pollution and conservation, evolution, oceanography, animal physiology and behavior, and more. Also [online](#) in the [Oxford Reference Online Premium](#) collection.

### [Encyclopedia of Marine Mammals](#)

REF QL701.2 .E53 2002

The editors of this one-volume encyclopedia state that their goal is "to summarize the field of marine mammalogy." The concise and informative articles include line drawings, photographs, and both references and cross-references.

### [Encyclopedia of Tidepools & Rocky Shores](#)

REF QH541.5 .S35 E53 2007

This encyclopedia deals with "all of the physical and biological aspects of tidepool and rocky shore habitats." It contains articles on topics in areas such as oceanography, plants, algae, fungi, and microbes, ecology and behavior, invertebrate and vertebrate animals, and includes many color photographs.

### [The Fisheries of North America: an Illustrated Guide to Commercial Species](#)

REF SH219 .R57 2006

Lists the scientific, market, and common names and aliases of major commercial species along with illustrations and basic information about habitat, fishing methods, life cycles, and landings information and returns to fishermen.

### [The State of World Fisheries and Aquaculture 2006](#)

REF SH1 .S855 2006

The FAO Fisheries and Aquaculture Department prepared this volume which contains a world review of fisheries and aquaculture, a discussion of issues, highlights of special studies, and an outlook section with numerous statistics.

### [Encyclopedia of Life Sciences](#)

REF QH302.5 .E54 2002

The twenty volumes that constitute the *Encyclopedia* cover ten core areas of the biological sciences. Volume 20 includes: an alphabetical listing of the articles; a subject index; a glossary; a study guide of core introductory articles; and an appendix containing additional reference information.

### [Synopsis and Classification of Living Organisms](#)

REF QH83 .S89

In two volumes, this reference work presents the higher level taxonomy of living organisms. Synoptic articles of all taxa down to the family level.

### [Coastal and Ocean Management Law in a Nutshell](#)

REF KF5627.Z9 C48 2007

This is a compact volume which discusses and describes the law and cites important cases in areas such as the management of coastal resources, pollution and the marine environment, and domestic ocean policy and the law of the sea.

*rev. 11/08*