

Calculate Your Ecological Footprint

Each organism uses resources from the ecosystem to exist. We express this essential requirement as an area of the planet that annually supplies these requirements each year and define this as the organism's ecological footprint. For humans, we can record the consumption data and convert it into an area that supplies these ecosystem resources that are annually appropriated by each person. This is an example of a "systems analysis" that is very helpful for us to understand the connections between our behavior and our dependency on the mother nature. Our ecological footprint helps us to appreciate what we get for free from the environment.

➤ <http://www.esb.utexas.edu/dnrnm/ecoftrnt/calculate.htm>

➤ <http://www.iclei.org/iclei/ecoftrnt.htm>

➤ <http://www.lead.org/leadnet/footprint/intro.htm>

Macroinvertebrate Links

Online Keys for Identification

➤ New York Department of Conservation: This key is a pictorial method of identifying aquatic macroinvertebrates. It is structured so the major groups of aquatic macroinvertebrates can be accurately identified primarily on the basis of photographs instead of traditional written keys that often require the knowledge of unfamiliar terminology.

<http://www.dec.state.ny.us/website/dow/stream/index.htm>

➤ The Stream Study: The Stream Study is based on material developed by the Save Our Streams Program of the Izaak Walton League of America. The Stream Study provides a method to determine the water quality of a stream based on the collection and identification of stream-bottom macroinvertebrates.

<http://www.people.virginia.edu/~sos-iwla/Stream-Study/StreamStudyHomePage/StreamStudy.HTML>

Online Picture Sources

➤ Museum of Aquatic Entomology of the Florida A&M University: This page is to help coordinate the study of mayflies throughout the world. Your contributions can help us fulfill this task. <http://www.famu.org/mayfly/index.html>

- Mayfly Central: Mayfly Central is a place, a program, and an information resource. It is located in the Department of Entomology at Purdue University, where it is associated with the Laboratory of Aquatic Entomology. The program is a multidimensional research and education program dedicated to the pursuit and dissemination of knowledge about mayflies, or the insect order Ephemeroptera. <http://www.entm.purdue.edu/entomology/mayfly/mayfly.html>
- Welcome to the Aquatic Insect Collections of Brackenridge Field Laboratory, Department of Zoology, University of Texas at Austin. The lists on the following pages represent an attempt to catalog the aquatic insect species of Texas including those held in the collections at BFL and those from published records. <http://www.utexas.edu/research/bfl/collections/aqinsects/aqinpage.htm>
- Macroinvertebrate Identification Charts: <http://www4.ncsu.edu/~ajclevel/Ident.html>

Collecting Macroinvertebrates

- A How To Resource: <http://www.inhs.uiuc.edu/cwe/wwwtest/collect/HTML/d12.html>

Books

- An Introduction to the Aquatic Insects of North America by Richard W. Merritt (Editor), Kenneth W. Cummins (Editor)
- Aquatic Entomology : The Fishermen's Guide and Ecologists' Illustrated Guide to Insects and Their Relatives by Richard W. Merritt, K. W. (Ed.) Cummins
- Aquatic Insect Ecology : Biology and Habitat, Vol. 1 by J.V. V. Ward
- How to Know the Aquatic Insects by Dennis M. Lehmkuhl, Edward T. Cawley and John Barrick

Equipment Suppliers

- Manufacturers, Distributors & Suppliers of Fine Entomological & Related Science Equipment for over 37 years. On Line Catalogue at <http://www.qis.net/~ambi>

- BioQuip Products--(Entomological & Botanical equipment, books, software - the best!)
On Line Catalogue at <http://www.bioquip.com/>
- Carolina Biological Supply-- (full line of living and preserved biological materials, supplies, etc)
Telephone: 800-334-5551
Fax: 919-584-3399
- Connecticut Valley Biological Supply Co.-- (Collecting & storage equipment; supplies etc)
Contact: P.O. Box 326, Southampton, MA 01073
- Edmunds Scientific,a major supplier of optics and science products to high-tech industries, but we are also dedicated to making these same exciting items available to schools and to families.
On Line Catalogue at <http://www.scientificsonline.com/>
- Forestry Suppliers, Inc.-- (Full catalog of field supplies & equipment etc.)
Phone: 601-354-3565
- Insect Lore--(Educational materials, books, kits, etc!!)
Phone: 805-746-6047.
- Benz Microscope Optics Center-- (Excellent selection of low-cost microscopes for hobbyists, schools, and professionals)
Phone:313-994-3880
- Ward's Natural Science Establishment--(all kinds of supplies for biology/entomology)
On Line Catalogue at <http://www.wardsci.com/>

Directory of North American Entomological Societies: This page provides the listing of entomological societies for North America. <http://www.sciref.org/links/EntSoc/NorthAm.htm#USA>