

Woods Hole Sea Grant: General

Portfolio: Environmental Technologies

Woods Hole Sea Grant

10 pp., 2005 WHOI-Q-05-004

Also available online as a PDF file: [click here](#)

Learn more of how Woods Hole Sea Grant has focused its efforts in Environmental

Technology on developing innovative ways to monitor environmental changes in coastal habitats specifically linked to consequences related to harmful algal blooms, toxicology, climate change and eutrophication.

Theme Booklet: Environmental Technologies

WHOI Sea Grant

4 pp., 2000 WHOI-G-00-006

Also available online: [click here](#)

Learn more of WHOI Sea Grant's investment in environmental technologies which has resulted in the development of new tools for analyzing and interpreting the effects of toxic chemicals on the reproduction, development, and disease defenses in marine animals and for detecting the presence of harmful algal species before bloom conditions occur.

A Coastal Pond Studied by Oceanographic Methods.

Epilogue: Oyster Pond -- Three Decades of Change

[Only available on loan from the National Sea Grant Library](#) or for purchase from Oyster Pond Environmental Trust, P.O. Box 496, Woods Hole, MA 02543.

Emery, K.O., B.L. Howes, and S.R. Hart

111 pp., 1997, \$19.00 (includes shipping) WHOI-B-97-001

Originally printed in 1969, this book is a history and careful study of Oyster Pond, a coastal pond in Falmouth, Massachusetts. Emery traces the history of the pond from pre-European and early settler days to the middle of this century and provides a description of the pond's topography, geology, and biology. Since 1987, Oyster Pond has been part of the Falmouth Pond Watchers Program, a cooperative research project conducted with funds from the Town of Falmouth and the WHOI Sea Grant Program. Samples taken from the pond by citizen volunteers have been used to update Emery's study and to document the changes that have taken place in the pond over the past three decades. In the epilogue, Brian Howes and Stanley Hart, WHOI, summarize these recent findings and outline the first stages of a corrective management plan.

Diving for Science...1989

[Only available on loan from the National Sea Grant Library](#)

Lang, M.A. and W.C. Jaap

Proceedings of the American Academy of Underwater Sciences Ninth Annual Scientific Diving Symposium, Woods Hole, MA, Sept. 28-Oct. 1, 1989, 341 pp., 1989 WHOI-W-89-004

Georges Bank

[Only available on loan from the National Sea Grant Library](#) or for purchase from MIT Press, Massachusetts Institute of Technology, Cambridge, MA 02139.

Backus, R.H. and D.W. Bourne

593 pp., 1987, \$225.00 WHOI-B-87-001

This book is a result of a project undertaken by the Coastal Research Center at the Woods Hole Oceanographic Institution in the late 1970s and early 1980s to determine why Georges Bank is so productive. It looks at all aspects of the natural science of the bank, describes its rich resources, and considers the public policy questions surrounding the exploitation of these resources. This book is of interest not only to oceanographers and social scientists interested in the ocean, but also students, legislators, fishermen, resource managers, engineers, lawyers--indeed anyone interested in Georges Bank.

Buzzards Bay Bibliography: A Reference Collection of Scientific and Technical Reports Published on Buzzards Bay

[Only available on loan from the National Sea Grant Library](#)

Tripp, B.W.

Woods Hole Oceanographic Institution Technical Report No. WHOI-85-27, 96 pp., 1985 WHOI-L-85-001

Oceanography: The Present and Future

[Only available on loan from the National Sea Grant Library](#)

Brewer, P.G.

392 pp., 1983 WHOI-B-83-001

Replication in Controlled Marine Systems: Presenting the Evidence

Smith, W., V.R. Gibson, and J.F. Grassle

In: Grice, G.D. and M.R. Reeve (eds.), Marine Mesocosms, pp. 217-225, 1982 WHOI-R-82-001

The basic reason for replicating experiments is to answer the question: If a competent experimenter were to reconstruct this experiment with approximately the same experimental manipulation and environmental conditions, what range of results would he observe?

Attempting to answer this question for large-scale experiments introduces two problems not encountered in small-scale laboratory

Related Files

» [PDF: Portfolio: Environmental Technologies](#)

experiments:

- 1) Replicate experiments are performed under different environmental conditions, and
- 2) the cost and size of an experiment make large numbers of replicate experiments impractical.

This paper discusses these two problems in general and then considers the evidence for replicability in two large-scale marine experiments: the MERL No. 2 fuel oil experiments at the Marine Ecosystems Research Laboratory, Narragansett, R.I., and the CEPEX mercury pollution experiments (Controlled Environmental Pollution Experiment), Saanich Inlet, British Columbia.

Relating Oceanography to Antillean Archaeology: Implications from Oceania
Watters, D.R.

Journal of New World Archaeology, Vol. 5, No. 2, 9 pp., 1982 WHOI-R-82-024

The purpose of this paper is to bring to the attention of Caribbean archaeologists some pertinent studies concerning maritime adaptations and ocean processes in Oceania, a region where research linking oceanography and prehistoric archaeology is further advanced. This paper briefly reviews prior maritime-related work in the Antilles, demonstrates the applicability of Oceanic studies to the Caribbean, provides a credible theoretical framework, and addresses the need for re-evaluating previously gathered data. The paper also builds upon links between the disciplines, ocean processes affecting the archaeological record, reasons for the pervasive terrestrial bias, and the aspects of maritime adaptations that Antillean archaeologists currently are neglecting. This discussion more directly pertains to the insular part of Caribbean America, especially to the smaller islands of the Lesser Antilles and Bahamas, than to fronting continental landmasses in South and Central America.

Georges Bank: An Annotated Bibliography of Atlases, Inventories and Map Series

[Only available on loan from the National Sea Grant Library](#)

Price, R.L.

Woods Hole Oceanographic Institution Technical Report WHOI-81-46, 71 pp., 1981 WHOI-L-81-001

Future of U.S. Oceanography

Ross, D.A.

In: International Cooperation in Marine Technology, Science, and Fisheries: The Future U.S. Role in Development, National Academy

Press: Washington, D.C., pp. 117-130, 1980 WHOI-R-80-021

Last updated: June 24, 2014

Copyright ©2007 Woods Hole Oceanographic Institution, All Rights Reserved.

Mail: Woods Hole Oceanographic Institution, 266 Woods Hole Road, Woods Hole, MA 02543, USA.

E-Contact: info@whoi.edu; press relations: media@whoi.edu, tel. (508) 457-2000

Problems or questions about the site, please contact webdev@whoi.edu