



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – November 2004

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Adamik, P., S. M. Gallager, E. Horgan, L. P. Madin, A. Govindarajan, and P. Alatalo

Effects of turbulence on the feeding rate of a pelagic predator: the planktonic hydroid *Clytia gracilis*. *Mar.Ecol.Prog.Ser.*, IN PRESS.

Department of WHOI Author: BIO.

Bower, Amy, William Johns, Dave Fratantoni, and Hartmut Peters

Equilibration and circulation of Red Sea Outflow Water in the western Gulf of Aden.

J.Phys.Oceanogr., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11259**

Caswell, H., and M. Fujiwara

Beyond survival estimation: mark-recapture, matrix population models, and population dynamics. *Annals of Biological Conservation*, IN PRESS.

Department of WHOI Author: BIO.

Caswell, Hal, and Michael Neubert

Reactivity and transient dynamics of discrete-time ecological systems. *J.Difference Equ.Appl.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11255**

Cenedese, Claudia, Claudia Adduce, and David M. Fratantoni

Laboratory experiments on mesoscale vortices interacting with two islands. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11261**

Charette, Matthew A., Edward R. Sholkovitz, and Colleen M. Hansel

Trace element cycling in a subterranean estuary: Part I. Geochemistry of the permeable sediments. *Geochim.Cosmochim.Acta*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **11240**

Davis, C. S., S. M. Gallager, X. Tang, L. Vincent, and C. J. Ashjian

Real-time visualization of taxa-specific plankton distributions. *Mar.Ecol.Prog.Ser.*, IN PRESS.

Department of WHOI Author: BIO.

Davis, C. S., F. Thwaites, S. M. Gallager, and Q. Hu

A three axis fast-tow digital Video Plankton Recorder for rapid surveys of plankton taxa and hydrography. *Limnol.Oceanogr.*, IN PRESS.

Department of WHOI Author: BIO. AOPE.

Davis, C. S., Q. Hu, S. M. Gallager, X. Tang, and C. A. Ashjian

Real-time observation of taxa-specific plankton distributions: an optical sampling method.

Mar.Ecol.Prog.Ser., IN PRESS.

Department of WHOI Author: BIO.

Endo, Yoshinari, and Peter H. Wiebe

Euphausiid distribution, abundance, and succession in warm-core ring 82B. *J.Plankton Res.*, IN PRESS.

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Contribution Number: **11266**

Estrada, James A., Molly Lutcavage, and Simon R. Thorrold

Diet and trophic position of Atlantic bluefin tuna (*Thunnus thynnus*) inferred from stable carbon and nitrogen isotope analysis. *Mar.Biol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11262**

Feng, Ming, Roger Lukas, Peter Hacker, Albert Plueddemann, and Robert Weller

Upper ocean momentum balances in the western equatorial Pacific on the intraseasonal time scale. *Deep-Sea Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11258**

Hackett, J. D., D. M. Anderson, D. L. Erdner, and D. Bhattacharya

Dinoflagellates: a remarkable evolutionary experiment. *Am.J.Bot.*, IN PRESS.

Department of WHOI Author: BIO.

Hofmann, Eileen E., Peter H. Wiebe, Daniel P. Costa, and Joseph J. Torres

An overview of the southern ocean global ocean ecosystems dynamics program. *Deep-Sea Res. II*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11241**

Jennings, Robert M., and Kenneth M. Halanych

Mitochondrial genomes of *Clymenella torquata* (Maldanidae) and *Riftia pachyptila* (Siboglinidae): evidence for conserved gene order in Annelida. *J.Mol.Evol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11244**

Keyfitz, Nathan, and Hal Caswell

Applied Mathematical Demography, 3rd ed. N. Keyfitz and H. Caswell, eds. Springer-Verlag, IN PRESS.

Department of WHOI Author: BIO.

Legg, Sonya, Robert Hallberg, and James Girton

Comparison of entrainment in overflows simulated by z-coordinate, isopycnal and nonhydrostatic models. *Ocean Modell.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11263**

Lewis, M. A., M. G. Neubert, H. Caswell, J. Clark, and K. Shea

A guide to calculating. In: *Conceptual Ecology and Invasions Biology: Reciprocal Approaches to Nature*. M.W. Cadotte, S. M. McMahon, and T. Fukami, eds., IN PRESS.

Department of WHOI Author: BIO.

Moore, Michael, and Greg A. Early

Sperm whales the bends and cumulative bone damage. *Science*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11227**

Neubert, M., L. S. Mullineaux, and M. F. Hill

A metapopulation approach to interpreting diversity at deep-sea hydrothermal vents. In: *Marine Metapopulations*. J. Kritzer and P. Sale, eds. Academic Press, IN PRESS.

Department of WHOI Author: BIO.

Pickart, Robert S., Daniel J. Torres, and Paule S. Fratantoni

The East Greenland spill jet. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11260**

Ramcharitar, J. U., X. Deng, D. Ketten, and A. N. Popper

Form and function in the unique inner ear of a teleost: the silver perch (*Bairdiella chrysoura*).
J.Comp.Neurol., IN PRESS.
Department of WHOI Author: BIO.

Scotti, A., and J. Pineda

Observation of very large and steep internal waves of elevation near the Massachusetts Coast.
Geophys.Res.Lett., IN PRESS.
Department of WHOI Author: BIO.

Smith, M., H. Caswell, and P. Mettler-Cherry

Stochastic flood and precipitation regimes and the population dynamics of a threatened floodplain plant. *Ecol.Appl.*, IN PRESS.
Department of WHOI Author: BIO.

Tarrant, Ann M.

Endocrine-like signaling in cnidarians: current understanding and implications for ecophysiology.
Integr.Comp.Biol., IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **11254**

Timmermans, Mary-Louise, and Larry Pratt

Two-layer rotating exchange flow between two deep basins. Part 1: theory and application to the Strait of Gibraltar. *J.Phys.Oceanogr.*, IN PRESS.
Department of WHOI Author: PO.
Contribution Number: **11211**

Yang, Xinhai, Donghui Liu, Tessa J. Murray, Geoffrey C. Mitchell, Eli V. Hestermann, Sibel I. Karchner, Rebeka R. Merson, Mark E. Hahn, and David H. Sherr

The aryl hydrocarbon receptor constitutively represses c-myc transcription in human mammary tumor cells. *J.Biol.Chem.*, IN PRESS.
Department of WHOI Author: BIO.
Contribution Number: **11252**

Zemmelink, H. J., W. W. C. Gieskes, W. Klaassen, H. W. deGroot, H. J. W. de Baar, J. W. H. Dacey, E. J. Hintsa, and W. R. McGillis

Air-sea gas transfer rates derived from atmospheric dimethylsulfide fluxes. *J.Geophys.Res.*, IN PRESS.
Department of WHOI Author: BIO. MCG. AOPE.

Zemmelink, Hendrik J., Stefan M. Sievert, Leah Houghton, Nelson M. Frew, and John W. H. Dacey

Gradients in dimethylsulfide, dimethylsulfoniopropionate, dimethylsulfoxide, and bacteria near the sea-surface. *Mar.Ecol.Prog.Ser.*, IN PRESS.

Department of WHOI Author: BIO.

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