



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – December 2004

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Ainley, D. G., L. B. Spear, C. T. Tynan, J. A. Barth, S. D. Pierce, R. G. Ford, and T. J. Cowles

Physical and biological variables affecting seabird distributions during the upwelling season of the northern California Current. *Deep-Sea Res. II*, IN PRESS.

Department of WHOI Author: PO.

Buesseler, K. O., J. E. Andrews, S. Pike, and M. A. Charette

Particle export during the Southern Ocean Iron Experiment (SOFEX). *Limnol. Oceanogr.*, IN PRESS.

Department of WHOI Author: MCG.

Colosi, John A.

Geometric sound propagation through an inhomogeneous and moving medium: scattering by small scale currents. *J. Acoust. Soc. Am.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11276**

Dahl, K., D. W. Oppo, T. I. Eglinton, K. A. Hughen, and W. B. Curry

Terrestrial plant wax inputs to the Arabian Sea: implications for the reconstruction of winds associated with the Indian Monsoon. *Geochim. Cosmochim. Acta*, IN PRESS.

Department of WHOI Author: GEOL. MCG.

Duda, Timothy F.

Ocean sound channel ray path perturbations from internal wave shear and strain.

J. Acoust. Soc. Am., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11278**

Eglinton, Lorraine B., Darlene Lim, Greg Slater, Gordon R. Osinski, Jean K. Whelan, and Marianne Douglas

Organic geochemical characterization of a miocene core sample from Houghton impact structure, Devon Island, Nunavut, Canadian High Arctic. *Org.Geochem.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **11279**

Herrera, G. E.

Stochastic bycatch, informational asymmetry, and discarding. *J.Environ.Econ.Manage.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **11283**

Herrera, G. E., and P. Hoagland

Commercial whaling, tourism, and boycotts: an economic perspective. *Mar.Policy*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **11282**

Hinrichs, Kai-Uwe, Wolfgang Bach, John M. Hayes, Arthur J. Spivack, Laura R. Hmelo, Nils G. Holm, and Carl G. Johnson

Biological formation of ethane and propane in the deep marine subsurface. *Science*, IN PRESS.

Department of WHOI Author: GEOL. MCG.

Contribution Number: **11285**

Hu, C., E. T. Montgomery, R. W. Schmitt, and F. Muller-Karger

The Amazon and Orinoco River Plumes in the tropical Atlantic and Caribbean Sea: Observations from space and S-PALACE floats. *Deep-Sea Res.II*, IN PRESS.

Department of WHOI Author: PO.

Jean-Baptiste, P., W. J. Jenkins, J. C. Dutay, E. Fourre, V. Leboucher, and M. Fieux

Temporally integrated estimate of the Indonesian throughflow using tritium. *Geophys.Res.Lett.*, IN PRESS.

Department of WHOI Author: MCG.

Kaiser, Michel J.

Are marine protected area a red herring or fisheries panacea? *Can.J.Fish.Aquat.Sci.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **11271**

Kromer, B., M. Friedrich, K. A. Hughen, K. F. Kaiser, S. Remmele, M. Schaub, and S. Talamo

Late glacial ^{14}C ages from a floating 1270-ring pine chronology. *Radiocarbon*, IN PRESS.
Department of WHOI Author:

Kujawinski, E. B., R. Del Vecchio, N. V. Blough, G. C. Klein, and A. G. Marshall

Probing molecular-level transformations of dissolved organic matter: insights from electrospray ionization Fourier-transform ion cyclotron resonance mass spectrometry. *Mar.Chem.*, IN PRESS.
Department of WHOI Author: MCG.

Kurz, M. D., M. Moreira, J. Curtice, D. E. Lott, J. J. Mahoney, and J. M. Sinton

Correlated helium, neon and melt production on the super-fast spreading East Pacific Rise near 17°S . *Earth Planet.Sci.Lett.*, IN PRESS.
Department of WHOI Author: MCG.

Lerczak, James A., W. Rockwell Geyer, and Robert J. Chant

Mechanisms driving the time-dependent salt flux in a partially-stratified estuary. *J.Phys.Oceanogr.*, IN PRESS.
Department of WHOI Author: PO. AOPE.
Contribution Number: 11272

Lima, A. L., B. A. Bergquist, E A. Boyle, M. K. Reuer, C. M. Reddy, and T. I. Eglinton

High-resolution historical records from Pettaquamscutt River Basin sediments. 1. Pb isotopes reveal a potential new stratigraphic marker.. *Geochim.Cosmochim.Acta*, IN PRESS.
Department of WHOI Author: MCG.

Lima, A. L., J.B. Hubeny, C. M. Reddy, J. W. King, K. A. Hughen, and T. I. Eglinton

High-resolution historical records from Pettaquamscutt River Basin sediments. 2. Chronology and record of ^{137}Cs released by the Chernobyl accident. *Geochim.Cosmochim.Acta*, IN PRESS.
Department of WHOI Author: MCG.

Linder, C., and G. Gawarkiewicz

Oceanographic and sound velocity fields for the ESME workbench. *IEEE J.Oceanic Eng.*, IN PRESS.
Department of WHOI Author: PO.

McGillicuddy, D. J., Jr., D. M. Anderson, A. R. Solow, and D. W. Townsend

Interannual variability of Alexandrium fundyense abundance and shellfish toxicity in the Gulf of Maine. *Deep-Sea Res. II*, IN PRESS.

Department of WHOI Author: AOPE. BIO. MPC.

Contribution Number: **11273**

McGillicuddy, D. J., Jr., D. M. Anderson, C. A. Stock, D. R. Lynch, and D. W. Townsend

Modeling blooms of Alexandrium fundyense in the Gulf of Maine. *UNESCO-IOC*, IN PRESS.

Department of WHOI Author: AOPE. BIO.

Contribution Number: **11280**

Panagiotopoulos, C., and R. Sempere

The molecular distribution of combined aldoses in sinking particles in various oceanic conditions. *Mar. Chem.*, IN PRESS.

Department of WHOI Author: MCG.

Peters, H., W. E. Johns, A. S. Bower, and D. M. Fratantoni

Mixing and entrainment in the Red Sea Outflow Plume. *J. Phys. Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Preisig, James

Equalization for coherent acoustic communications in the time-varying ocean environment: performance analysis and robust processing. *J. Am. Stat. Assoc.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11281**

Rasmussen, L. L., G. Gawarkiewicz, W. B. Owens, and S. Lozier

Slope water, Gulf Stream and seasonal influences during the fall-winter transition in the southern mid-Atlantic Bight. *J. Geophys. Res.*, IN PRESS.

Department of WHOI Author: PO.

Riemenschneider, Ulrike, Peter D. Killworth, and David A. Smeed

Theory of two-layer hydraulic exchange. *J. Fluid Mech.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11274**

Robinson, A. R., K. H. Brink, H. W. Ducklow, R. A. Jahnke, and B. J. Rothschild

Interdisciplinary multiscale coastal dynamical processes and interactions. In: *The Sea, vol. 13*. Kenneth H. Brink and Alan R. Robinson, eds. Cambridge, MA: Harvard University Press, IN PRESS.

Department of WHOI Author: PO.

Rouxel, Olivier J., Andrey Bekker, and Katrina J. Edwards

Iron isotope constraints on the Archean and Paleoproterozoic ocean redox state. *Science*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **11275**

Rudels, B., G. Bjork, J. Nilsson, P. Winsor, I. Lake, and C. Nohr

The interactions between Arctic and Nordic Seas waters north of Fram Strait and East Greenland Current: results from the Arctic Ocean-02 Oden expedition. *J.Mar.Syst.*, IN PRESS.

Department of WHOI Author: PO.

Rudnick, D. L., R. E. Davis, C. C. Eriksen, D. M. Fratantoni, and M. J. Perry

Underwater gliders for ocean research. *Mar.Technol.Soc.J.*, IN PRESS.

Department of WHOI Author: PO.

Saito, M. A., G. R. DiTullio, and J. W. Moffett

Depletion of cobalt as a micronutrient in the Eastern Equatorial Pacific.

Glob.Biogeochem.Cycles, IN PRESS.

Department of WHOI Author: MCG.

Schmitt, R. W., J. R. Ledwell, E. T. Montgomery, K. L. Polzin, and J. M. Toole

Enhanced diapycnal mixing by salt fingers in the main thermocline of the Tropical Atlantic. *Science*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11284**

Scott, Nicholas

Estimating steepwave statistics using a wave gauge array. *Appl.Ocean Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11277**

Traykovski, P., P. L. Wiberg, and W. R. Geyer

Observations and modeling of wave-supported sediment gravity flows on the Po prodelta and comparison to prior observations from the Eel Shelf. *Cont.Shelf Res.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11286**

Vanko, D. A., and W. Bach

Heating and freezing experiments on aqueous fluid inclusions in anhydrite: recognition and effects of stretching and low-temperature formation of gypsum. *Chem.Geol.*, IN PRESS.

Department of WHOI Author: MCG.

Whelan, J., L. Eglinton, L. Eglinton, S Loch, and H. Roberts

Surface and subsurface manifestations of gas movement through a N-S transect of the Gulf of Mexico. *Mar.Pet.Geol.*, IN PRESS.

Department of WHOI Author: MCG.

Zimmer, Walter M. X., Mark Johnson, Peter T. Madsen, and Peter L. Tyack

Echolocation clicks of Cuvier's beaked whales (*Ziphius cavirostris*). *J.Acoust.Soc.Am.*, IN PRESS.

Department of WHOI Author: BIO.

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