



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation - September 1998

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Austin, Thomas C., Richard I. Arthur, Timothy K. Stanton, and Peter H. Wiebe.

BIOPMAPER I: A towed bio-acoustic survey system for zooplankton and fish assessment. *MTS/Ocean community Conference '98 Proceedings*, Nov. 16-19, 1998, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9790**

Benitez-Nelson, Claudia R., Ken O. Buessler, and Glenn Crossin.

Carbon export, eddy diffusivity and horizontal transport in the southwestern Gulf of Maine. *Cont.Shelf Res.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9777**

Buessler, K., Lary Ball, John Andrews, Claudia Benitez-Nelson, Rebecca Belostock, Fei Chai, and Yi Chao.

Upper ocean export of particulate organic carbon in the Arabian sea derived from thorium-234. *Deep-Sea Res.II*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Burgoyne, Thomas W. and John M. Hayes.

Quantitative production of H₂ by pyrolysis of gas chromatographic effluents. *Anal.Chem.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9798**

Caron, David A., Emily R. Peele, Ee Lin Lim, and Mark R. Dennett.

Picoplankton and nanoplankton and their trophic coupling in surface waters of the Sargasso Sea south of Bermuda. *Limnol. Oceanogr.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9797**

Chang, F. H., I. Garthwaite, D. M. Anderson, N. Towers, R. Stewart, and L. MacKenzie.

Immunofluorescent detection of PSP-producing dinoflagellate, *Alexandrium minutum* from Bay of Plenty, New Zealand.

New Zealand J. Freshw. Res., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9793**

Driscoll, N. W. and G. H. Haug.

A short circuit in thermohaline circulation: A cause for northern hemisphere glaciation? *Science*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9795**

Elderfield, H., E. R. Sholkovitz, and M. J. Greaves.

Aeolian sources of rare earth elements to the western Pacific Ocean.

Mar. Chem., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9770**

Garcia-Gil, Soledad, Federico Vilas-Martin, Araceli Munoz, Juan Acosta, and Elazar Uchupi.

Quaternary sedimentation in the Ria de Pontevedra (Galicia), Northwest Spain.

J. Coastal Res., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **9788**

Gawarkiewicz, Glen G.

Effects of ambient stratification and shelfbreak topography on offshore transport of dense water on continental shelves. *J. Geophys. Res. Oceans*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9801**

Goyet, C., C. Coatanoan, G. Eiseheid, T. Amaoka, K. Okuda, R. Healy, and S. Tsunogai.

Spatial variation of total Co₂ and total alkalinity in the northern Indian Ocean: A novel approach for the quantification of anthropogenic CO₂ in seawater.

J.Mar.Res., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9786**

Hahn, Mark E.

Biomarkers and bioassays for detecting contamination of the marine environment.

Sci.Total Environ., IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **9752**

Hogg, Nelson G. and W. Brechner Owens.

Direct measurements of the deep circulation within the Brazil Basin.

Deep-Sea Res., IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **9791**

Kaplan, Ilene M.

Suspicion, growth and co-management in the commercial fishing industry: The financial settlers of New Bedford. *Mar.Policy*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9772**

Keleman, Peter B. and Einat Aharonov.

Periodic formation of magma fractures and generation of layered gabbros in the lower crust beneath oceanic spreading ridges. *Geophys.Monogr.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

McGillicuddy, D. J., Jr., R. Johnson, D. A. Siegel, N. R. Bates, A. F. Michaels, and A. H. Knap, .

Mesoscale variations of biogeochemical properties in the Sargasso Sea.

J.Geophys.Res.-Oceans, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9792**

Sholkovitz, E. R., H. Elderfield, R. Szymczak, and K. Casey.

Island weathering: River sources of rare earth elements to the western Pacific Ocean. *Mar.Chem.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9771**

Solow, Andrew R.

Observation error and the detection of delayed density dependence.

Ecology, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **9775**

Stanton, Timothy K., Dezhang Chu, Peter H. Wiebe, Robert L. Eastwood, and Joseph D. Warren.

Acoustic scattering by benthic and planktonic shelled animals.

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

Department of WHOI Author: AOPE.

Contribution Number: **9794**

Stokozov, N. A. and K. O. Buessler.

Mixing model for the north-west Black Sea using ⁹⁰Sr and salinity as tracers.

J.Environ.Radioact., IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **9627**

Traykovski, Peter, Alex E. Hay, James D. Irish, and James F. Lynch.

Geometry, migration, and evolution of wave orbital ripples at LEO-15.

J.Mar.Res., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9796**

Traykovski, Peter, Rebeca J. Latter, and James D. Irish.

A laboratory evaluation of the LISST instrument using natural sediments.

Mar.Geol., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **9789**

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