

BIOGRAPHICAL SKETCH – Louis Anthony Codispoti

University of Maryland Center for Environmental Science
Horn Point Laboratory
P.O. Box 775
Cambridge, MD 21613-0775

Tel: (410) 221-8479
FAX (410) 221-8490
codispot@hpl.umces.edu

Professional Preparation:

B.S. Fordham University, Bronx, NY, 1962, Chemistry
M.S. University of Washington, Seattle, WA, 1966, Oceanography
Ph.D., University of Washington, Seattle, WA, 1973, Oceanography

Positions Held:

Research Professor, University of Maryland Center for Environmental Science, Horn Point Laboratory, 1999 – present.

Research Professor, Old Dominion University, Center for Coastal Physical Oceanography, 1994-1999.

Scientific Officer, Office of Naval Research, 1992-1994. (This position was concurrent with position at the Monterey Bay Aquarium Research Institute.).

Senior Scientist, Monterey Bay Aquarium Research Institute, 1988-1994.

Director of Research, Bigelow Laboratory for Ocean Sciences, 1987.

Research Scientist, Bigelow Laboratory for Ocean Sciences, 1979-1983, 1988.

Principal Oceanographer, University of Washington, Department of Oceanography, 1974-1979.

Research Associate, University of Washington, Department of Oceanography, 1973-1974.

Acting Assistant Professor, University of Washington, Department of Oceanography, 1972-1973.

Oceanographer, U.S. Naval Oceanographic Office, 1966-1969.

Publications Last Three Years:

2006 Cooper, L.W., L.A. Codispoti, V. Kelly, G.G. Sheffield and J.M. Grebmeier (2006) The potential for using Little Diomed Island as a platform for observing environmental conditions in Bering Strait. *Arctic* 59:129-141.

Cooper, L.W., C.J. Ashjian, S.L. Smith, L.A. Codispoti, J.M. Grebmeier, R.G. Campbell and E.B. Sherr (2006) Rapid seasonal sea-ice retreat in the Arctic could be affecting Pacific walrus (*Odobenus rosmarus divergens*) recruitment. *Aquatic Mammals* 32(1):98-102 .

Devol, A.H., S.W.A. Naqvi, L.A. Codispoti (2006) Nitrogen cycling in the suboxic waters of the Arabian Sea. pp. 283-310 In: N. L. Neretin (ed.) Past and Present Water Column Anoxia, NATO Science Series, Springer, Dordrecht.

Devol, A.H., A.G. Uhlenhopp, S.W.A. Naqvi, J.A. Brandes, D.A. Jayakumar, H.. Naik, S. Gaurin, L.A. Codispoti, and T. Yoshinari (2006) Denitrification rates and excess nitrogen gas concentrations in the Arabian Sea oxygen deficient zone. *Deep-Sea Research I* 53:1533-1547.

Gong, G-C., J. Chang, K-P. Chiang, T-M. Hsiung, C-C. Hung, S-W. Duan, and L.A.

Codispoti (2006) Reduction of primary production and changing of nutrient ratio in the East China Sea: Effect of the Three Gorges Dam. Geophys. Res. Letters 33:L07610, doi:10.1029/2006GL025800.

2007 Packard, T.T. and L.A. Codispoti (2007) Respiration, Mineralization, and Biochemical Properties of the Particulate Matter in the Nansen Basin Water Column in April 1981. Deep-Sea Research I, 54:403-414.

Codispoti, L.A. (2007) An oceanic fixed nitrogen sink exceeding 400 Tg N a⁻¹ vs the concept of homeostasis in the fixed-nitrogen inventory. Biogeosciences, 4: 233-253.

2008 Codispoti, L.A., C.N. Flagg and J.H. Swift (in press) Hydrographic conditions during the 2004 SBI process experiments. Deep-Sea Research II.

Glibert, P.M., V. Kelly, J. Alexander, L.A. Codispoti, W.C. Boicourt, T. M. Price and B. Michael (2008) *In situ* nutrient monitoring: A tool for capturing nutrient variability and the antecedent conditions that support algal blooms. Harmful Algae, 8:175-181.

Five Other Relevant Publications:

Codispoti, L.A., G.E. Friederich, R.L. Iverson and D.W. Hood (1982) Temporal changes in the S.E. Bering Sea's inorganic carbon system during Spring 1980. Nature 296: 242-245.

Codispoti, L.A. (1989) Phosphorus vs Nitrogen limitation of new (export) production. pp. 377-394 In: W. Berger, V. Smetacek and G. Wefer (eds.), Productivity of the Ocean: Present and Past, Dahlem Konferenzen.

Codispoti, L.A., G.E. Friederich, J.W. Murray and C.M. Sakamoto (1991) Chemical variability in the Black Sea: Implications of continuous vertical profiles that penetrated the oxic/anoxic interface. Deep-Sea Research, 38:S691-S710.

Codispoti, L.A., J.A. Brandes, J.P. Christensen, A.H. Devol, S.W.A. Naqvi, H.W. Paerl and T. Yoshinari (2001) The oceanic fixed nitrogen and nitrous oxide budgets: Moving targets as we enter the anthropocene? Scientia Marina 65 (Suppl. 2): 85-105.

Codispoti, L.A., T. Yoshinari and A. H. Devol. (2005) Suboxic respiration in the oceanic water column, pp. 225-247. In: P. A. del Giorgio and P. J. LeB. Williams (eds.) Respiration in Aquatic Ecosystems, Oxford University Press.

Synergistic Activities:

A selection of recent synergistic activities includes: Speaker, Chesapeake Bay College “teach in” on Global Change, scheduled for 5 Feb. 2009. Member, NSF Panel to assess readiness of plans for the Alaska, Regional Resarch Vessel, Fall, 2008. Member, of the GEOTRACES Standards Committee. Participant in the Canadian Institute for Advanced Research Meeting, on the oceanic nitrogen cycle, Toronto, Fall, 2008.

Collaborators:

P. Glibert (UMCES/HPL), L. Cooper and J. Grebmeier (UMCES/CBL), A.H. Devol, M.A. Steele, B. Light (UW), V. Kelly (Green Eyes, LLC), J. Christensen, P. Matrai (Bigelow), S.W.A. Naqvi (NIO, India), V. Hill (ODU).