CURRICULUM VITAE

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I. Education:

1966	B.A., Amherst College, Physics.
1969	M.A., The Johns Hopkins University, Physical Oceanography
1973	Ph.D., The Johns Hopkins University, Physical Oceanography

II. Professional Background

A. Positions

1973-82	Associate Research Scientist, Chesapeake Bay Institute, The Johns Hopkins University.
1981	Visiting Investigator, Woods Hole Oceanographic Institution.
1982-1993	Associate Professor, University of Maryland Center for Environmental and Estuarine Studies.
1994-	Professor, Horn Point Laboratory, University of Maryland Center for Environmental Science

B. Awards

1968	Summer Student Fellow, Woods Hole Oceanographic Institution
1989	B.H. Ketchum Award, Woods Hole Oceanographic Institution

III. Research

A. Areas of professional expertise: Physical oceanography, estuarine and continental shelf circulation, river and estuarine plumes, instrumentation and observing systems, plankton blooms, larval transport.

B. 5 Recent Publications

Roman, M.R, Zhang, X., McGilliard, C., and Boicourt, W. (2004) Seasonal and annual variability in the spatial patterns of plankton biomass in Chesapeake Bay. *Limnol. Oceanogr*. **50**(2): 480-492.

Boicourt, W.C. (2005) Physical response of Chesapeake Bay to hurricanes moving to the wrong side. In: K.G. Sellner (ed.) *Hurricane Isabel in Perspective*. Chesapeake Bay Research Consortium, CRC Publication 05-160, Edgewater, MD. p. 39-48.

Li, M., L. Zhong, and W.C. Boicourt (2005) Simulations of Chesapeake Bay estuary: Sensitivity to turbulence mixing parameterizations and comparison with observations. *Jour. Geophys. Res.* **110**:C12004, 22 pp.

Li, M., L. Zhong, W.C. Boicourt, S. Zhang, and D.-L. Zhang (2006) Hurricane-induced storm surges, currents and destratification in a semi-enclosed bay. *Geo. Res. Let.* **33**:L02604, 4 pp.

Li, M., L. Zhong, W.C. Boicourt, S. Zhang, and D.-L. Zhang (2007) Hurricane-induced destratification and restratification in a partially mixed estuary. *Jour. Mar. Res*. **65**:169-192.

C. 5 Additional publications relevant to this proposal

Glenn, S. M., W.C. Boicourt, B. Parker, and T. D. Dickey. 2000. Operational Observation networks for ports, a large estuary, and an open shelf. *Oceanography* **13**(1):12-23.

Glenn, S. M., T. D. Dickey, B. Parker, and W.C. Boicourt. 2000. Long-term real-time coastal observation networks. *Oceanography* **13**(1):14-34.

Valle-Levinson, A., W.C. Boicourt, and M. R. Roman (2003) On the linkages among density, flow and bathymetry gradients at the entrance to the Chesapeake Bay. *Estuaries* **26**(6):1437-1449.

W.M. Kemp, W.R. Boynton, J.E. Adolf, D.F. Boesch, W.C. Boicourt, G. Brush, J.C. Cornwell, T.R. Fisher, P.M Glibert, J.D. Hagy, L.W. Harding, E.D. Houde, D.G. Kimmel, W.D. Miller, R.I.E. Newell, M.R. Roman, E.M. Smith, and J.C. Stevenson (2005) Eutrophication of Chesapeake Bay: historical trends and ecological interactions. *Mar. Ecol. Prog. Ser.* **303**:1-29.

M.R. Roman, W.C. Boicourt, D.G Kimmel, W.D. Miller, J.E. Adolf, J. Bichy, L.W. Harding, Jr., E. D. Houde, S. Jung, and X. Zhang (2005) Chesapeake Bay plankton and fish abundance enhanced by Hurricane Isabel. *EOS* **86**(28): 261-265.

IV. Synergistic Activities

U.S. National Committee for the International Union of Geodesy and Geophysics—National Research Council-BISO Committee. Delegate from USNC to International Association for the Physical Sciences of the Ocean (IAPSO). Co-Director, Mid-Atlantic Regional Coastal Ocean Observing System (MARCOOS), Board of Directors, Mid-Atlantic Coastal Ocean Observing Regional Association (MACOORA), Board of Directors, Chesapeake Bay Observing System (CBOS), Scientific and Technical Working Group, Maryland Commission on Climate Change.