

BIOGRAPHICAL SKETCH – Thomas C. Malone

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**Professional Preparation:**

1965 B.A. Colorado College, Zoology  
1967 M.S. University of Hawaii, Oceanography  
1971 Ph.D. Stanford University, Biology

**Positions Held:**

1971-1976 Assistant Professor, Department of Biology, City College of CUNY, New York  
1976-1980 Senior Research Associate, Lamont Doherty Geological Observatory, Columbia University  
1976-1980 Adjunct Associate Professor, Department of Biology, City College of CUNY  
1980-1982 Oceanographer, Oceanographic Division, Department of Energy and Environment, Brookhaven National Laboratory  
1982-1983 Associate Professor, University of Maryland Center for Environmental Science, Horn Point Laboratory  
1983-Present Professor, University of Maryland Center for Environmental Science, Horn Point Laboratory  
1988-1990 Interim President, University of Maryland Center for Environmental Science  
1990-2001 Director, Horn Point Environmental Laboratory, University of Maryland Center for Environmental Science  
1992-1996 Director, EPA Multiscale Experimental Ecosystem Research Center, University of Maryland Center for Science  
2003-2006 Director, Ocean.US Office for Sustained and Integrated Ocean Observations  
2006-2008 Deputy Director for Research, Ocean.US

**Publications Last Three Years:**

Malone, T.C. and J.M. Hemsley. 2006. Developing the Integrated Ocean Observing System for Improved Management and Mitigation of Coastal Inundation. *MTS Journal*, 40 (4): 45-55.  
\_\_\_\_\_, T. Knap and M. Fogarty. 2005. Overview of science requirements. In *The Sea: The Global Coastal Ocean, Multiscale Interdisciplinary Processes* (Robinson, A.R. and K.H. Brink, eds), Harvard University Press, Cambridge, Massachusetts, pp. 757-784.  
\_\_\_\_\_. 2007. Ecosystem Dynamics, Harmful Algal Blooms and Operational Oceanography. In M. Babin, C. Roesler, and J. Cullen (eds.), *Coastal Observations and Harmful Algal Bloom Dynamics*. UNESCO Series “Monographs on Oceanographic Methodology.”  
\_\_\_\_\_. and D. Rockwell. 2008. Managing Human Impacts on Water Quality: Role of Integrated Ocean Observing Systems. In *Effective Cross-Border Monitoring Systems for Waterborne Microbial Pathogens* (E. Dreelin and J. Rose (eds.), IWA Publishing, London, U.K., pp. 93-122.

### **Five Other Relevant Publications:**

Malone, T.C., A. Malej, L.W. Harding, N. Smolaka (eds). 1999. Ecosystems at the Land-Sea Margin: Drainage Basin to the Coastal Sea. AGU, Estuarine and Coastal Sciences Series, No. 55, 377 p.

\_\_\_\_\_ and M. Cole. 2000. Toward a global scale coastal ocean observing system. *Oceanography*, 13: 7-11.

\_\_\_\_\_ 2003. The coastal component of the U.S. integrated ocean observing system. *Environmental Monitoring and Assessment*, 81: 51-62.

\_\_\_\_\_ 2003. The coastal module of the Global Ocean Observing System (GOOS): an assessment of current capabilities to detect change. *Marine Policy*, 27: 295 – 302.

Nowlin, Jr., W.D. and \_\_\_\_\_. 2003. Research and GOOS. *Mar. Tech. Soc. J.*, 37: 42-46.

### **Synergistic Activities (Last 10 years):**

1998-2000 NOAA National Estuarine Eutrophication Assessment Team

1998-2000 President of the American Association of Limnology and Oceanography

1998-2002 Chair, IOC-WMO Coastal Global Ocean Observing System Panel

1999-2004 Chair, Heinz Center Coasts and Oceans Ecosystem Condition Panel

2002-2005 Co-Chair, IOC-WMO Coastal Ocean Observations Panel

2002-2008 Member, GOOS Scientific Steering Committee (GSSC)

2003-2007 Member, Coastal Theme Team of the Integrated Global Observation Strategy Partners

2005-Present Member, Group on Earth Observations Coastal Zone Community of Practice

2005-Present Member, International Scientific Board of the Rudjer Bošković Institute of Croatia

2005-2006 Chair, Joint JCOMM-GSSC-GRA Task Team for Implementing the Coastal Module of GOOS

2006-2007 Guest Editor, *MTS Journal*, *Stemming the Tide of Coastal Disasters*, Volume 40 (4) and Volume 41 (1)

2006-present Member, GSSC Panel for Integrated Coastal Observations

2005-present Council Member, Sir Alister Hardy Foundation for Ocean Science

2007-present Member, Editorial Board, *Journal of Operational Oceanography*

2008-present Board Member, Coastal Trends Center for Ocean Sciences Education Excellent (COSEE)

### **Collaborators and Other Affiliations:**

Advisor: Malvern Gilmartin (M.S., Ph.D.)

Students: M. Roman, R. Rivkin, M. Chervin, L. Crocker

Post-Docs: Dan Conley

Collaborators (last 10 years): E. Lindstrom, D. Martin, W. Nowlin, P. DiGiacomo, B. Christian, L. Atkinson, M Davidson, A. Malej, N. Smolaka