Biographies for Water Quality Workshop Speakers (January 25-26, 2010)

Judith T. Krauthamer is the Executive Director of MACOORA, the Mid-Atlantic Coastal Ocean Observing Regional Association. Her 30 year career portfolio includes expertise in organizational development, strategic planning and alliance building in science, engineering and technology (SET) communities. She has been employed in the professional society domain as a state government relations manager with the American Society of Mechanical Engineers, and more recently, as executive director of the Marine Technology Society. Krauthamer has a graduate degree in fisheries sciences from Texas A&M University and is a published author, editor and reviewer of peer-reviewed journal articles as well as popular literature. Her work has appeared in *Associations Now,* a journal of the American Society of Association Executives, *Ecological Modeling,* and the *National Marine Fisheries Review,* among others .

Zdenka Saba Willis is the Director of NOAA's Integrated Ocean Observing System (IOOS) Program. She administers NOAA's IOOS activities and contributions to the U.S. IOOS which is a coordinated network of people and technology that work together to generate and disseminate continuous data on our coastal waters, Great Lakes, and oceans. The U.S. IOOS is our nation's ocean contribution to an international effort called the Global Earth Observation System of Systems (GEOSS), which is designed to continuously and comprehensively monitor Earth and transmit observations globally. Prior to her assignment as Director of NOAA's IOOS Program, Ms. Willis served as Director of NOAA's National Oceanographic Data Center and administered the NOAA Central Library, the National Coastal Data Development Center, and the World Data Center of Oceanography, Silver Spring, Maryland. Ms. Willis is a retired Navy Captain with career service as a Meteorology and Oceanography officer in the United States Navy. Ms Willis received her Bachelor's Degree in Marine Science from the University of South Carolina. She received a Master's degree in Meteorology and Oceanography from the Naval Postgraduate, and a Master's Degree in National Strategy from the Industrial College of the Armed Forces.

Pixie Hamilton received a B.S. from the College of William and Mary in Environmental Sciences and a Masters in Civil and Environmental Engineering from the University of Virginia. She has worked for the USGS since 1984. As a hydrologist, she developed regional groundwater flow models in collaboration with the Department of Environmental Quality to help permit water use in southeastern Virginia, and worked with the USGS National Water-Quality Assessment Program to assess regional and national water-quality conditions in major river basins and aquifers across the Nation. As a manager, she served as the Water Science Director in Virginia and provided managerial and technical oversight for a multitude of water-resource projects addressing water availability and quality issues throughout the State. She currently serves as a Senior Hydrologist and Communications Coordinator for the USGS Office of Water Quality, with an emphasis on communicating scientific findings to government, research, and interest-group partners in order to help guide water-resource management and protection strategies and policies. In addition, she is the USGS Co-Chair for the National Water-Quality Monitoring Council, which promotes collaboration and partnerships, and provides a national forum for coordination of consistent methods and strategies to improve water quality monitoring, assessment and reporting.

Robert Tudor, was appointed the Deputy Executive Director of the Delaware River Basin Commission was on October 1, 2001. The DRBC is an interstate/federal commission that provides a unified approach to water resource management without regard to political boundaries. Prior to joining DRBC, Mr. Tudor served more than twenty years and in several capacities with the New Jersey Department of Environmental Protection. As Deputy Commissioner, Bob oversaw Planning and Science, Land Use Management and Historic Resources functions. At NJDEP, Bob was also Assistant Commissioner for Environmental Planning and Technology, Division of Watershed Management, Coastal Planning and Program Coordination, and Office of Air Quality Management. Bob was Administrator of the Office of Environmental Planning from 1996 to 1998, served as Program Director for the Delaware Estuary Program from 1993 to 1995, and prior to that had been Administrator of the Land Use Regulation Program. Bob is a graduate of Rutgers College and the University of Connecticut.

Paul Currier heads the Watershed Management Bureau at the NH Department of Environmental Services. The bureau is responsible for statewide water quality monitoring, administration of water quality standards, TMDL studies, the coastal program, shellfish sanitation, and watershed management. Mr. Currier has over 25 years experience in water quality and water resources management, engineering and planning, including 18 years at Environmental Services. He has served on the Gulf of Maine Council working group since 2000 and is currently co-chair of the Information Management Committee. He is chairperson of the Northeast Coastal and Ocean Data Partnership (formerly the Gulf of Maine Ocean Data Partnership) and was on the GoMOOS Board of Directors. He is currently on the NERACOOS Strategic Planning and Implementation Team, and served on the NERACOOS Executive Board during formation of the regional association. He

was the Region I representative to the National Water Monitoring Council from 2003 to 2007, and is a steering committee member for the National Monitoring Network. Mr. Currier holds a BS in physics from Trinity College, a Bachelor of Engineering from Dartmouth's Thayer School of Engineering, and an MS in hydrology from the University of New Hampshire. He is a registered professional engineer and professional geologist in New Hampshire.

Heath Kelsey is a Science Integrator with EcoCheck in Oxford, Maryland. EcoCheck is a partnership between NOAA and the University of Maryland Center for Environmental Science. Heath previously worked as an Ecological Modeler for NOAA from 2006 to 2009, and has developed empirical models for bacterial contamination at both beaches and shellfish areas in South Carolina and in Chesapeake Bay.

Shannon K. Berry is the Ocean Water Quality Program Coordinator for the South Carolina Department of Health and Environmental Control. Shannon has a B.S. in Industrial Management from Clemson University and masters degrees in Human Resources and in History from the University of South Carolina. Most of her career was spent in the areas of Safety and Training. The National Environmental Safety and Health Training Association twice named her the National Trainer of the Year. She is married and lives in West Columbia.

Robert H. Weisberg University of South Florida is an experimental physical oceanographer engaged in ocean circulation and ocean-atmosphere interaction studies in the tropics, on continental shelves, and in estuaries. His research presently emphasizes the West Florida Continental Shelf (WFS) and the interactions that occur between the shelf and the deep-ocean and between the shelf and the estuaries. He maintains a coordinated program of real-time, *in-situ* measurements, analyses, and numerical circulation models aimed at describing and understanding the processes that determine WFS water properties. Applications include harmful algal blooms, fisheries, hurricane storm surge and other topics of societal concern. Observations consist of moorings for surface meteorology, water column currents and temperature/salinity, and waves; HF-radar for surface currents; profilers and gliders (joint with the CMS-COT) for 3D water properties; analyses of satellite data for SST, SSH, and geostrophic currents; and surface drifters. Models consist of WFS regional applications of ROMS nested in HYCOM (to include WFS/deep-ocean interactions) and FVCOM (to include WFS/estuary interactions). Publications in refereed journals exceed 130

Bob Connell is the Bureau Chief of Marine Water Monitoring of the New Jersey Department of Environmental Protection. Bob has spent the last 30 years focusing on issues related to New Jersey's coastal waters. In 1980, Bob began to work for the NJ Department of Environmental Protection in the Bureau of Marine Water Monitoring. In the years since, he has worked to enhance the New Jersey's coastal monitoring to include chemical parameters, nonpoint source monitoring, pollution source tracking, real-time monitoring, remote sensing and ecosystem assessment. The Bureau is responsible for monitoring for seafood safety, recreational bathing and ecosystem health in New Jersey's coastal waters.

Eric Vowinkel has been a Hydrologist with USGS New Jersey Water Science Center for 31 years working on water availability studies at local, State, and regional scales. Eric is an At-Large Member of the Board of Directors of MACOORA and is a member of the MARCOOS team specializing in water quality. From 2001-2009 he served as the USGS Co-Chair of the Methods and Data Comparability Board of the National Water Quality Monitoring Council. He assisted in the design of the National Council's National Monitoring Network for Coastal Waters and Their Tributaries linking monitoring in watersheds with estuaries and coasts. Currently his is the leader of the Delaware River Basin Demonstration Project of the National Network. Eric is an At-Large member of the Science and Technical Advisory Council of the Partnership of the Delaware Estuary. As an Adjunct Associate Professor at the School of Public Health at the University of Medicine and Dentistry of NJ, Dr. Vowinkel teaches a graduate level class titled "Hydrology and Public Health". He received his Ph.D. in Environmental Sciences from Rutgers University in 1997. He has over 50 publications to his credit.