



Water: One Resource – Shared Effort – Common Future

Eighth National Monitoring Conference

Barry Alan Long Award

Barry Long was a National Water Quality Monitoring Council (Council) member for 10 years and a hydrologist and water quality specialist with the National Park Service, Bureau of Land Management and the U.S. Forest Service. In June 2000, Barry was diagnosed with acute myeloid leukemia. His colleagues and supporters were moved by the tremendous perseverance, spirit, and courage during his long struggle with the disease. Nevertheless, Barry continued his career as a tactful advocate for the protection of water resources and through his work on the Council, which included organizing the 2010 National Monitoring Conference in Denver, Colorado. Shortly thereafter he succumbed to complications of his disease. In his memory, the Council established the Barry A. Long award to honor an individual who has demonstrated exceptional perseverance, positive spirit, and significant contributions to water resource protection.



In recognition of his significant contributions to water resource protection, the National Water Quality Monitoring Council is pleased to present the 2012 Barry Alan Long Award to

Jay H. Sauber

Section Chief – Environmental Sciences Section
North Carolina Division of Water Quality
Raleigh, North Carolina

For over 35 years Jay Sauber has dedicated his time and effort to developing and implementing scientifically based water quality assessment tools used for managing water quality in North Carolina. Although Jay's experience spans many of the technical aspects of water quality assessment ranging from waste water treatment process to instream biological and physical chemical monitoring methods, it is Jay's ability to communicate between technical and policy oriented audiences that sets him apart from the many water quality professionals in North Carolina and the United States.

Through Jay's leadership, North Carolina is a national leader in water quality monitoring and assessment. The State collects physical and chemical data from over 300 sites on a monthly basis through its ambient monitoring system (AMS) program. Jay recognized the limitations of upstream and downstream monitoring typically required in National Pollutant Discharge Elimination System (NPDES) permits and was a key leader in establishing monitoring coalitions of NPDES dischargers. In this collaborative effort, members of coalitions voluntarily work together in conducting physical and chemical monitoring on a watershed scale and collectively the data are used in developing basinwide water quality management plans. Today there are seven coalitions that monitor at total of 250 sites that complement the state's AMS program, reducing uncertainty and costs.

He coordinated North Carolina's efforts in the first Clean Lakes Monitoring initiative in the early 1980s and has been a staunch supporter and contributor to all of USEPA's subsequent efforts, as well as North Carolina's development of lake specific monitoring and protection strategies. Additionally, Jay acquired the funding necessary to design and implement North Carolina's probabilistic monitoring program which is now in its sixth year of operation. Jay is a key partner in the collaborative effort between the North Carolina Division of Water Quality (DWQ) and the University of North Carolina at Chapel Hill Institute of Marine Science's Neuse River Estuary Modeling and Monitoring Project (ModMon). The ModMon project supports North Carolina's needs for space and time-intensive monitoring and assessment of water quality and environmental conditions; including nutrient-eutrophication dynamics, algal blooms, hypoxia, fish kills and related issues pertinent to the public's interests and the ability of the DWQ to provide science-based management decisions.

Jay has served on the Board of Directors of the North American Lake Management Society, and received the Society's prestigious Secchi Disk award in 1994. He has served on numerous USEPA advisory committees and workgroups, and currently serves on the North Carolina Ecological Flows Science Advisory Board, established by the North Carolina General Assembly.

Congratulations, Jay!