

X. Bibliography

Note: This bibliography is cumulative. New citations are added with each revision of the Water Quality Monitoring Strategy, but historical citations from previous editions have been retained.

- Alden, R.W., III, D.M. Dauer, J.A. Ranasinghe, L.C. Scott and R.J. Llansó. 2002. Statistical verification of the Chesapeake Bay benthic index of biotic integrity. *Environmetrics* 2002; 13: 1–22
- Beal, E. O. 1985. A manual of marsh and aquatic vascular plants of North Carolina with habitat data. North Carolina Agricultural Research Service, 1985.
- Cowardin, L.M., V. Carter, F.C. Golet and E.T. LaRoe. 1979. Classification of Wetlands and Deepwater Habitats of the United States. U.S. Department of the Interior, Fish and Wildlife Service, Office of Biological Services, Washington, D.C. FWS/OBS-79/31, December 1979. (Revised and reprinted in September 1985 - available from the Internet at: http://www.nwi.fws.gov/Pubs_Reports/publi.htm.)
- Dahl, T.E. 1990. Wetlands – losses in the United States, 1780’s to 1980’s. U.S. Fish and Wildlife Service Report to Congress, Washington, D.C. 13 pp.
- Darken P., C. Zipper, G. Holtzman and E. Smith. 2002. Serial correlation in water quality variables: Estimation and implications for trend analysis. *Water Res. Research* 38:22 1-5.
- DEQ-WQA. 1997a. Virginia Ambient Water Quality Monitoring Report, Monitoring Year 1997. Covering the Period July 1, 1996 - June 30, 1997. DEQ Technical Publication WQA/1997-003. October 30, 1997.
- DEQ-WQA. 1997b. Water Quality Assessment Guidance Manual for 305(b) Water Quality Report and 303(d) TMDL Priority List Report. Office of Water Quality Assessment and Planning, Virginia Department of Environmental Quality. November 1997.
- DEQ-WQA. 1997c. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 1998). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 1998a. Virginia Ambient Water Quality Monitoring Report, Monitoring Year 1998. Covering the Period July 1, 1997 - June 30, 1998. DEQ Technical Publication WQA/1998-003. December 30, 1998.
- DEQ-WQA. 1998b. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 1999). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 1999a. Water Quality Assessment Guidance Manual for Y2000 305(b) Water Quality Report and 303(d) TMDL Priority List Report. Office of Water Quality Assessment and Planning, Virginia Department of Environmental Quality. November 1999.
- DEQ-WQA. 1999b. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2000). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 1999c. Virginia Ambient Water Quality Monitoring Report, Monitoring Year 1999. Covering the Period July 1, 1998 - June 30, 1999. DEQ Technical Publication WQA/1999-004 (Draft)

- DEQ-WQA. 2000. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2001). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2001. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2002). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2002. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2003). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2003. The Quality of Virginia Non-Tidal Streams: First Year Report. Water Quality Monitoring, and Assessment Program, Department of Environmental Quality, Richmond, Virginia. January 2003. VADEQ Technical Bulletin WQA/2002-001.
- DEQ-WQA. 2003. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2004). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2004. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2005). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2005a. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2006). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2005b. 2006 305(b)/303(d) Water Quality Assessment Final Water Quality Assessment Guidance Manual.
- DEQ-WQA. 2006. Using Probabilistic Monitoring Data to Validate the Non-Coastal Virginia Stream Condition Index. Water Quality Monitoring, and Assessment Program, Department of Environmental Quality, Richmond, Virginia. November 2006. VADEQ Technical Bulletin WQA/2006-001.
- DEQ-WQA. 2006. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2007). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2007. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2008). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2007. Virginia Citizen Water Quality Monitoring Program Methods Manual. October 2007
- DEQ-WQA. 2008. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2009). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2009. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2010). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.

- DEQ-WQA. 2010. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2011). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2011. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2012). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQA. 2012. The Reduction of Toxics in State Waters: A Report to the General Assembly (January 2013). Annual report to the General Assembly and the citizens of the Commonwealth of Virginia, distributed on 1 January of each year.
- DEQ-WQS. 1997. Water Quality Standards (9 VAC 25-260-00 et seq.). Commonwealth of Virginia Department of Environmental Quality, Technical Resources Division, Environmental Science Office, Scientific Research Unit. December 10, 1997. iii + 161 pp.
- Diaz-Ramos, S., D.L. Stevens, Jr., and A.R. Olsen. 1996. EMAP Statistics Methods Manual. EPA/620/R-96/002. Corvallis, OR: U.S. Environmental Protection Agency, Office of Research and Development, National Health and Environmental Effects Research Laboratory. [see <http://www.epa.gov/nheerl/arm/analysispages/techinfoanalysis.htm> for downloadable file]
- Harlow, G.E., Jr. and LeCain, G.D. 1991. Hydraulic characteristics of, and ground-water flow in, coal-bearing rocks of southwestern Virginia. U.S. Geological Survey Open-File Report 91-250, p 4.
- Harvill, A. M., Jr., T. R. Bradley, C. E. Stevens, T. F. Wieboldt, D. M. E. Ware, D. W. Ogle, G. W. Ramsey & G. P. Fleming, 1992. Atlas of the Virginia Flora. Virginia Botanical Associates, Burkeville, Virginia. 144 pp.
- Helsel, D.H., and R.M. Hirsch. 1992. Statistical Methods in Water Resources. Elsevier Science Publishers, Amsterdam. 529 pp.
- Hershner, C., K. Havens, L. Varnell, and T. Rudnicky. 2000a. Wetlands in Virginia. Virginia Institute of Marine Science, Center for Coastal Resources Management (CCRV). Special Report 00-1, January 2000. 12 pp. (Currently under revision – November 2006)
- Hershner, C., K. Havens, D. Schatt, and T. Rudnicky. 2000b. Headwater and Floodplain Wetlands in Virginia. Virginia Institute of Marine Science, Center for Coastal Resources Management (CCRV). Special Report 00-2, February 2000. 8 pp.
- Hirsch, R.M., J. Slack, and R. Smith. 1982. Techniques of trend analysis for monthly water-quality data. *Water Resources Research* 18:107-121.
- Hirsch, R.M., R.B. Alexander, and R.A. Smith. 1991. Selection of methods for the detection and estimation of trends in water quality. *Water Resources Research* 27(5):803-813.
- Holtzman, G.I., P.F. Darken, and C.E. Zipper. 1999. WQ2 User's Manual – Seasonal Kendall Analysis of Water Quality Trends. (Version 2.0, October 1999) Developed in partial fulfillment of grants from the Virginia Department of Environmental Quality to Virginia Polytechnic Institute and State University.
- Kappessor, G.B. 2002. A Riffle Stability Index to Evaluate Sediment Loading to Streams. *Journal of American Water Resources Association*. Vol. 38, No 4, pp. 1069-1081.

- Llanso, R.J., J.H. Vølstad, D.M. Dauer, and M.F. Lane. 2005. 2006 303(d) ASSESSMENT METHODS FOR CHESAPEAKE BAY BENTHOS. Final Report submitted Virginia Department of Environmental Quality, by Versar, Inc., Columbia, Maryland.
- Llansó, R.J. 2002. Methods for Calculating the Chesapeake Bay Benthic Index of Biotic Integrity. Versar, Inc. 9200 Rumsey Road, Columbia, MD 21045. 27pp.
- Llansó, R.J., J.H. Vølstad and D.M. Dauer. 2003. Decision Process for Identification of Estuarine Benthic Impairments. Versar, Inc., 9200 Rumsey Road, Columbia, MD 21045. iii+18pp.
- Llansó, R.J., L.C. Scott, D.M. Dauer, J.L. Hyland and D.E. Russell. 2002a. An Estuarine Benthic Index of Biotic Integrity for the Mid-Atlantic Region of the United States. I. Classification of Assemblages and Habitat Definition. *Estuaries* Vol. 25, No. 6A, p. 1219–1230.
- Llansó, R.J., L.C. Scott, D.M. Dauer, J.L. Hyland, D.E. Russell and F.W. Kutz. 2002b. An Estuarine Benthic Index of Biotic Integrity for the Mid-Atlantic Region of the United States. II. Index Development. *Estuaries* Vol. 25, No. 6A, p. 1231–1242.
- Long, E. R., D. D. MacDonald, S. L. Smith and F. D. Calder. 1995. Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuarine sediments. *Environmental Management* 19:81-97.
- MacDonald, D.D., C.G. Ingersol, T.A. Berger. 2000. Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems. *Arch. Environ. Contam. Toxicol.* 39:20-31.
- McFarland, E.R., 2010, Groundwater-quality data and regional trends in the Virginia Coastal Plain, 1906–2007: U.S. Geological Survey Professional Paper 1772, 86 p., 14 pls.(available online at <http://pubs.usgs.gov/pp/1772/>)
- McFarland, E.R., and Bruce, T.S. 2006. The Virginia Coastal Plain Hydrogeologic Framework: U.S. Geological Survey Professional Paper 1731, 118 p., 25 pls. (available online at <http://pubs.water.usgs.gov/pp1731/>)
- Maxted, J.R., M.T. Barbour, J. Gerritsen, V. Poretti, N. Primrose, A. Silvia, D. Pentross, and R. Renfrow. 1999. Data Report: Assessment framework for Mid-Atlantic coastal plain streams using benthic macroinvertebrates. NHEERL-NAR-X-255. Prepared for USEPA, Region 3, Mid-Atlantic Integrated Assessment Programs, 701 Mapes Road, Fort Meade, MD 20755-5350.
- Maxted, J.R., M.T. Barbour, J. Gerritsen, V. Poretti, N. Primrose, A. Silvia, D. Pentross, and R. Renfrow. 2000. Assessment framework for Mid-Atlantic coastal plain streams using benthic macro-invertebrates. *J.N. Am. Benthol. Soc.* 19(1): 128-144.
- Mehlman, D.W., K.V. Rosenberg, J.V. Wells, and B. Robertson. 2004. A comparison of North American avian conservation priority ranking systems. *Biological Conservation* 120: 387-394.
- Miller, M. 2009. Assessment of wadeable stream resources in the driftless area ecoregion in the Western Wisconsin using a probabilistic sampling design. *Environ Monit Assess*, 150:75-89.
- Moore, K. A. and J. L. Goodman. 1995. Effects of a polyhaline SAV bed on spatial and temporal variability in water quality. In: *Toward a sustainable coastal watershed. The Chesapeake Experiment 1994 Chesapeake Research Conference.* 1995. pp. 615-628.

- Moore, K. A., H. A. Neckles, and R. J. Orth. 1996. *Zostera marina* L. growth and survival along a gradient of nutrients and turbidity in the lower Chesapeake Bay. *Marine Ecology Progress Series* 142: 247-259. <http://www.int-res.com/articles/meps/142/m142p247.pdf>.
- NOAA. 1991. NOAA Technical Memorandum NOS OMA 52. National Oceanographic and Atmospheric Administration, Seattle, Washington.
- Olsen, A. 1999. Personal Communication. Environmental Protection Agency, Office of Research and Development, Corvallis, Oregon.
- Osmernick, J.M. 1987. Ecoregions of the conterminous United States. *Ann. Amer. Geographers.* 77(1): 118-125.
- Payne, F.E., and J. Ford. 1988. The concept of TIME - Temporally Integrated Monitoring of Ecosystems Supplement. Internal Report, U.S. Environmental Protection Agency, Environmental Research Laboratory, Corvallis, Oregon.
- Plafkin, J.L, M.T. Barbour, K.D. Porter, S.K. Gross, and R.M. Hughes. 1989. Rapid Bioassessment Protocols for Use in Streams and Rivers: Benthic macroinvertebrates and fish. U.S. Environmental Protection Agency, Office of Water Regulations and Standards, Washington, D.C. EPA 440/5-91-005.
- Radford, A.E., H.E. Ahles & C.R. Bell. 1968 *Manual of Vascular Flora of the Carolinas*. University of North Carolina Press. Chapel Hill, NC
- Rathbun, S.C., R. Houghton, and C. Laurin. 1996. Cramer-von Mises Tests for Environmental Monitoring Data. U.S. Environmental Protection Agency, Science and Ecosystem Support Division, Ecosystem Assessment Branch, Athens, Georgia.
- Reed, P. B. 1988. National list of plant species that occur in wetlands. Report No. 88(26.3). U.S. Fish and Wildlife Service, Washington, D.C., USA.
- Roberts, M.H. Jr., M. A. Vogelbein, M. A. Richards, L. Seivard, and P. F. De Lisle. 2002. Chemical and Toxicological Characterization of Tidal Freshwater Areas in the James River, Virginia from Jamestown Island to Jordan Point. Final Report to EPA Chesapeake Bay Program.
- Roberts, M.H. Jr., M. A. Vogelbein, M. A. Richards, L. Seivard, and P. F. De Lisle. 2002. Chemical and Toxicological Characterization of Tidal Freshwater Areas in the James River, Virginia between Jordan Point and Richmond. Final Report to VA Department of Environmental Quality.
- Roberts, M.H. Jr., M. A. Richards, and P. F DeLisle. 2003. Chemical and Toxicological Characterization of the Lower Mobjack Bay, York River, Virginia Segment of the Chesapeake Bay. Final Report to VA Department of Environmental Quality.
- Roberts, M.H. Jr., M. A. Richards, and P. F DeLisle. 2003. Chemical and Toxicological Characterization of the Upper York River, Virginia - The Mattaponi and Pamunkey Rivers. Final Report to the Virginia Department of Environmental Quality
- Rosgen, D.A. 2001. Hierarchical River Stability/Watershed-Based Sediment Assessment Methodology. *Wildland Hydrology*. (See <http://www.wildlandhydrology.com/html/references.html>.)
- Sanders, T.G., R.C. Ward, J.C. Loftis, T.D. Steele, D.D. Adrian and V. Yevjevich. 1983. Design of Networks for Monitoring Water Quality. Water Resources Publications, Littleton, Colorado. Viii + 328 pp.

- Shreve, R.L. 1967. Infinite topologically random channel networks. *Journal of Geology* 75:178-86.
- Silberhorn, G.M., 1999. *Common Plants of the Mid-Atlantic Coast: A Field Guide* (revised edition). Baltimore, MD, Johns Hopkins University Press, 295p.
- Smith, E.P., and J.R. Voshell, Jr. 1997. Final Report - Studies of Benthic Macroinvertebrates and Fish in Streams within EPA Region 3 for Development of Biological Indicators of Ecological Condition. Part I - Benthic Macroinvertebrates. Department of Statistics and Department of Entomology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. July 24, 1997.
- Smith, E.P., and J.R. Voshell, Jr. 1997. Studies of Benthic Macroinvertebrates and Fish in Streams within EPA Region 3 for Development of Biological Indicators of Ecological Condition. Part I. - Macroinvertebrates. Final Report to EPA Region 3 in accordance with Cooperative Agreement CF821462010 with Virginia Polytechnic Institute and State University, Blacksburg, Virginia. January 24, 1997.
- Southerland, M. 2007. Application of the Probability-based Maryland Biological Stream Survey to the State's Water Quality Standards Program. 8th Environmental Monitoring and Assessment Program Symposium. Washington D.C.
[\[http://www.springerlink.com/content/t118010383j74401\]](http://www.springerlink.com/content/t118010383j74401)
- Speiran, G.K. 1996. Geohydrology and geochemistry near coastal ground-water-discharge areas of the Eastern Shore, Virginia. U.S. Geological Survey Water-Supply Paper 2479.
- Speiran, G.K., P.A. Hamilton and M.D. Woodside. 1998. Natural Processes for Managing Nitrate in Ground Water Discharges to Chesapeake Bay and Other Surface Waters: More than Forest Buffers. U.S. Geological Survey Fact Sheet FS-178-97. Prepared in cooperation with the Counties of Accomack and Northampton and the Accomack-Northampton Planning District Commission. January 1998.
- Strahler, A.N. 1957. Qualitative analysis of watershed geomorphology. *Trans. Am. Geophys. Union.* 38:913-920.
- Tiner, R.W. and Finn, J.T. 1986. Status and recent trends of wetlands in five Mid-Atlantic States – Delaware, Maryland, Pennsylvania, Virginia, and West Virginia. U.S. Fish and Wildlife Service, National Wetlands Inventory Project Technical Report. 40 pp
- U.S. ACOE. 1987. Corps of Engineers Wetlands Delineation Manual. Wetlands Research Program Technical Report Y-87-1, January 1987. Prepared for the U.S. Army Corps of Engineers by the U.S. ACOE Environmental Laboratory, Vicksburg, MS.
- USDA-NRCS. 1995. Virginia Hydrologic Unit Atlas. U.S. Department of Agriculture - Natural Resources Conservation Service, Virginia Department of Conservation and Recreation - Division of Soil and Water Conservation, and Virginia Department of Environmental Quality. Revised Nov 1995.
- U.S. EPA (United States Environmental Protection Agency). 1989. Plafkin, J.L, M.T. Barbour, K.D. Porter, S.K. Gross, and R.M. Hughes. Rapid Bioassessment Protocols for Use in Streams and Rivers. EPA/440/4-89/001. U.S. Environmental Protection Agency, Office of Water (See revised edition – U.S. EPA. 1999)
- U.S. EPA (United States Environmental Protection Agency). 1994. Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Vol. I and II. Fish Sampling and Analysis. U.S. Environmental Protection Agency Washington, D.C.

- U.S. EPA (United States Environmental Protection Agency). 1997. Guidelines for Preparation of the Comprehensive State Water Quality Assessments (305(b) Reports) and Electronic Updates: Supplement. Office of Water. U.S. Environmental Protection Agency, Washington, D.C.
- U.S. EPA (United States Environmental Protection Agency). 1999a. Barbour, M.T., J. Gerritsen, B.D. Snyder, and J.B. Stribling. Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates and Fish, Second Edition. EPA 841-B-99-002. U.S. Environmental Protection Agency; Office of Water, Washington, D.C. <http://www.epa.gov/owow/monitoring/rbp/>
- U.S. EPA (United States Environmental Protection Agency). 1999b. Surface Waters - Quantifying Physical Habitat in Wadeable Streams USEPA 1999. ORD – EPA/620/R-99/003.
- U.S. EPA (United States Environmental Protection Agency). 2000a. Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Volume 1: Fish Sampling and Analysis, Third Edition. Washington, DC.
- U.S. EPA (United States Environmental Protection Agency). 2000b. Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Volume 2: Risk Assessment and Fish Consumption Limits, Third Edition. Washington, DC.
- U.S. EPA (United States Environmental Protection Agency). 2001. National Coastal Condition Report. EPA-620/R-01/005. Office of Research and Development and Office of Water, Washington, DC.
- U.S. EPA (United States Environmental Protection Agency). 2002. United States Environmental Protection Agency. Presentation “Coastal Design” (by Virginia Engle) in: Coastal Monitoring Design and Analysis Technology Transfer Workshop for VA, NC and MD. Glen Allen, VA. 14-15 November, 2002.
- U.S. EPA (United States Environmental Protection Agency). 2003a. Elements of a State Water Monitoring and Assessment Program. Assessment and Watershed Protection Division, Office of Wetlands, Oceans and Watersheds, U. S. Environmental Protection Agency. EPA 841-B-03-003 March 2003. (<http://www.epa.gov/owow/monitoring/repguid.html>)
- U.S. EPA. (United States Environmental Protection Agency). 2003b. Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and Its Tidal Tributaries. EPA 903-R-03-002. Region III Chesapeake Bay Program Office, Annapolis, MD
- U.S. EPA (United States Environmental Protection Agency). 2004a. National Coastal Condition Report II. EPA-620/R-03/002. Office of Research and Development and Office of Water, Washington, DC.
- U.S. EPA. (United States Environmental Protection Agency). 2004b. [Technical Support Document for Identification of Chesapeake Bay Designated Uses and Attainability - 2004 Addendum](#) EPA 903-R-04-006. Region III Chesapeake Bay Program Office, Annapolis, MD
- U.S. EPA. (United States Environmental Protection Agency). 2006. Report on the Regional Environmental Monitoring and Assessment Program Study of Wadeable Streams in the Driftless Area Ecoregion in Western Wisconsin. EPA 600/R-06/165. U.S. Environmental Protection Agency. Office of Research and Development. Washington D.C. <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P1002ZSR.txt>

- U.S. EPA. (United States Environmental Protection Agency). 2007a. Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and Its Tidal Tributaries– 2007 Addendum. July 2007. EPA 903-R-07-003. Region III Chesapeake Bay Program Office, Annapolis, MD.
- U.S. EPA. (United States Environmental Protection Agency). 2007b. Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and Its Tidal Tributaries –Chlorophyll a Addendum. October 2007. EPA 903-R-07-005. Region III Chesapeake Bay Program Office, Annapolis, MD.
- U.S. EPA. (United States Environmental Protection Agency). 2008a. Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and Its Tidal Tributaries–2008 Technical Support for Criteria Assessment Protocols Addendum. September 2008. EPA 903-R 08-001. Region III Chesapeake Bay Program Office, Annapolis, MD.
- U.S. EPA (United States Environmental Protection Agency). 2008b. National Coastal Condition Report III. EPA/842-R-08-002. Office of Research and Development and Office of Water, Washington, DC.
- U.S. EPA. (United States Environmental Protection Agency). 2009a. National Coastal Condition Assessment Quality Assurance Project Plan 2008-2012. United States Environmental Protection Agency, Office of Water, Office of Wetlands, Oceans and Watersheds. Washington, D.C. EPA/841-R-09-004.
- U.S. EPA. (United States Environmental Protection Agency). 2009b. National Coastal Condition Assessment: Field Operations Manual. EPA-841-R-09-003. U.S. Environmental Protection Agency, Washington, DC.
- U.S. EPA. (United States Environmental Protection Agency). 2010. National Coastal Condition Assessment: Site Evaluation Guidelines U.S. Environmental Protection Agency, Washington, DC.
- U.S. EPA. (United States Environmental Protection Agency). 2010. Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and Its Tidal Tributaries: 2010 Technical Support for Criteria Assessment Protocols Addendum. EPA 903-R-10-002. CBP/TRS 301-10. U.S. Environmental Protection Agency, Region 3 Chesapeake Bay Program Office, Annapolis, MD.
- U.S. EPA (United States Environmental Protection Agency). 2012. National Coastal Condition Report IV. EPA-842-R-10-003. Office of Research and Development and Office of Water, Washington, DC.
- USGS. 1982. Measurement and Computation of Streamflow: Volume 1. Measurement of Stage and Discharge. (By S. E. Rantz, et al.) Geological Survey Water-Supply Paper 2175. U.S. Government Printing Office, Washington. xiv + 1-284 pp.
- USGS. 1982. Measurement and Computation of Streamflow: Volume 2. Computation of Discharge. (By S. E. Rantz, et al.) Geological Survey Water-Supply Paper 2175. U.S. Government Printing Office, Washington. xiii + pp. 285-631.
- USGS. 1997. Hydrogeologic Framework, Analysis of Ground-Water Flow, and Relations to Regional Flow in the Fall Zone near Richmond, Virginia. U.S. Geological Survey.

- USGS. 1998. Revised Methods for Characterizing Stream Habitat in the National Water-Quality Assessment Program. U.S. Geological Survey, Water-Resources Investigation Report 98-4052.
- Van Dolah, R.F., J.L. Hyland, A.F. Holland, J.S. Rosen, and T.T. Snoots. 1999. A benthic index of biological integrity for assessing habitat quality in estuaries of the southeastern USA. *Marine Environmental Research* 48:(4–5):269–283.
- Vannote, R.L., G.W. Minshall, K.W. Cummins, J.R. Sedell, and C.E. Cushing. 1980. The river continuum concept. *Can. J. Fish. Aquat. Sci.* 37: 130-137.
- Virginia Water Control Board. 1990. Comprehensive Review of Selected Toxic Substances – Environmental Samples in Virginia - Bulletin 583. Richmond, Virginia.
- Vølstad, J., S. Weisberg, D. Heimbuch, H. Wilson, and J. Seibel. 1995. Answers to Commonly Asked questions about R-EMAP Sampling Designs and Data Analyses. A report for the U.S. Environmental Protection Agency, Research Triangle Park, North Carolina.
- VWCB, 1992: Virginia Water Control Board Biological Monitoring Program Quality Assurance/Quality Control Project Plan. September 30, 1992
- VWRRC. 1998. Report of the Water Quality Academic Advisory Committee – Special Report. Virginia Water Resources Research Center, Virginia Polytechnic Institute and State University, Blacksburg, Virginia. Special Report No. SR8-1998. October 1998. 27 pp.
- Ward, R.C. 1989. Future Directions for Water Quality Monitoring in Virginia. Report prepared for the Water Control Board of Virginia under Contract Number 414-S-90-002. July 1989.23 pp.
- Ward, R.C., and J.C. Loftis. 1989. Monitoring systems for water quality. *Critical Reviews in Environmental Control.* 19(2): 101-118.
- Ward, R.C., J.C. Loftis and G.B. McBride. 1990. Design of Water Quality Monitoring Systems. Van Nostrand Reinhold, New York. xi + 231 pp.
- Water-Resources Investigations Report 97-4021. Prepared in cooperation with the Virginia Department of Environmental Quality.
- Zipper, C. E., G. Holtzman, P. Darken, P. Thomas, J. Gildea, L. Shabman and T. Younos. 1998. Long-Term Water Quality Trends in Virginia's Waterways: Final Report. Submitted to the Virginia Department of Environmental Quality by the Virginia Water Resources Research Center, Virginia Polytechnic Institute and State University. 12 June 1998. 26 pp. + tabs, figs and annex. (http://vwrrc.vt.edu/special_reports.html)
- Zipper, C., G. Holtzman, P. Darken, J. Gildea and R. Stewart. 2002. Virginia USA water-quality, 1978 – 1995: Regional interpretation. *J. Amer. Water Res. Assoc.* 38(3): 789-802.