



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

September 2, 2014

MEMORANDUM

TO: THE ENVIRONMENTAL REVIEW COMMISSION
The Honorable Mike Hager, Co-Chair
The Honorable Ruth Samuelson, Co-Chair
The Honorable Brent Jackson, Co-Chair

FROM: Neal Robbins, Director of Legislative Affairs

SUBJECT: State Water Supply Plan Implementation Report

DATE: September 2, 2014

Pursuant to G.S. 143-355(n), the Department of Environment and Natural Resources shall report to the Environmental Review Commission on the implementation of this section and the development of the State water supply plan on or before 1 September of each year. In addition, pursuant to G.S. 143-215.8B(2)(d), the Commission and the Department shall each report on or before 1 October of each year on an annual basis to the Environmental Review Commission on the progress in developing and implementing basinwide water quality management plans and on increasing public involvement and public education in connection with basinwide water quality management planning.

Please consider the attached as the formal submission of this report. If you have any questions or need additional information, please contact me by phone at (919) 707-8618 or via e-mail at neal.robbs@ncdenr.gov.

cc: Carr McLamb, NC DENR Legislative Affairs
Mitch Gillespie, NC DENR Assistant Secretary of the Environment
Tom Reeder, NCDENR Division of Water Resources
Jennifer McGinnis, Commission Counsel
Jeff Hudson, Commission Counsel
Mariah Matheson, ERC Committee Assistant

**North Carolina Department of
Environment and Natural Resources**

Division of Water Resources

**Annual report to the General Assembly
Environmental Review Commission
Water Supply Planning and Basinwide Water Quality
Management Planning
August 1, 2013 to July 31, 2014**

This report is submitted to meet the requirements of G.S. 143-215.8B(2)(d), which requires annual reporting on the development of basinwide water quality management plans, and G.S. 143-355(n), which requires annual reporting on the development of the North Carolina Water Supply Plan (NCWSP).

While work continues on developing river basin hydrologic models, no updates to the NCWSP were made during this reporting period.

The responsibilities formerly administered by the Division of Water Quality were reassigned to the Division of Water Resources by Session Law 2013-413. The staffs from the two former basin planning groups have been combined and are developing data management schemes and planning templates supporting creation of integrated river basin plans that address water quality and quantity issues. Division staff members continue to work on developing an efficient methodology to effectively present the status of water resources in North Carolina to the state's citizens and decision makers.

The Division of Water Resources (DWR) basin planning programs take advantage of stakeholders' input, which enhances public participation by maintaining electronic communications. Stakeholders provide information pertinent to protecting and enhancing watershed water quality and issues associated with reliability of water supplies. Partnering stakeholders typically include watershed associations, land trusts, water quality monitoring coalitions, soil and water conservation districts, and other federal, state, and local agencies. DWR staff members regularly assist local government water systems with developing and updating local water supply plans that provide data on current and future water use, and support hydrologic modeling and the river basin water resources plans. DWR is expanding the capacity to present integrated basin plans electronically, increasing the availability to the public and enhancing the public's ability to explore the data on which the plans are based.

Basinwide water quality management plans provide detailed assessments of water quality conditions for watersheds within each river basin. This information supports a variety of state and local programs aimed at protecting and improving water quality in North Carolina's streams, rivers, and water bodies. For instance, water quality issues documented in basinwide water quality management plans provide support for local governments, natural resource groups, researchers, soil and water agencies, and others when applying for grant or loan funding to address issues important to them. All basinwide water quality management plans are available at: <http://portal.ncdenr.org/web/wq/ps/bpu/basin>.

Water quality impairments are formally identified every other year based on the "use support" assessment process for surface waters. The impairments are compiled and submitted to U.S. EPA for review and approval pursuant to Section 303(d) of the Clean Water Act. The results of the impairment evaluations are based on a five-year compilation of data that has been quality assured and quality controlled. For example, the 2012 impairments assessment is based on data collected from 2006-2010. The following graph illustrates the number of assessment units impaired for the most recent approved assessments based on the water quality parameters shown on the bottom of the graph. Assessment units vary in size based on the specific characteristics of the water body being evaluated. Because the characteristics of assessment units vary, some are only monitored for a subset of the parameters shown on the graph below. DWR is awaiting approval of the 2014 water quality impairments assessment submitted to U.S. EPA.

Statewide Water Quality Impairments

