

Foreword

DAWN ANTICOLE WHITE, M.M.C.

Journal of South Carolina Water Resources Managing Staff Editor

Volume 6, Issue 1 of the Journal of South Carolina Resources (JSCWR) includes seven articles. In addition to a short communication presenting eco-hydrologic studies based on long-term monitoring in the southern part of the state at the USDA Forest Service Santee Experimental Forest, the other articles are based on large-scale water research for two major South Carolina river basins and the state water planning process.

The first two articles focus on the Savannah River basin, one assessing diurnal variation in surface temperature among the five major lakes, and the other presenting methods for reporting head of tide. Another two articles address the 2018 flooding from Hurricane Florence in the Pee Dee basin; a short communication examining data from U.S. Geological Survey gauges to explain flooding behavior and the other a special case study assessing antecedent conditions and resulting meteorological and hydrological impacts. The final short communication articles focus on the state water planning process; one providing a general overview of the river basin planning framework and the other describing stakeholder inclusion.

Over the past year, there have been notable contributions and efforts in support of assessing and managing South Carolina's water resources. There is a growing need for public access to monitoring applications that retrieve data for a specific location and measurement interval of interest, and two new online tools were introduced. USGS developed the Coastal Salinity Index (CSI) in partnership with Carolinas Integrated Sciences and Assessments (CISA). The CSI is an online tool to monitor drought and changing salinity conditions in coastal areas. Additionally, for monitoring hydroclimate extremes, CISA created the Carolinas Precipitation Patterns & Probabilities Atlas. This resource uses maps, graphs, and other visuals to show various measures of rainfall and drought over the past 120 years.

There were also a variety of initiatives to address guidance and structure for water resource planning, as well as to develop mitigation efforts. The second annual South Carolina Drought Tabletop Exercise brought together over ninety participants from statewide groups to revisit the drought monitoring and response process, identify gaps, and increase awareness of the participants' roles. A summary of the exercise is available on the CISA website. The first South Carolina State Water Planning Framework was developed by the State Water Planning Process Advisory Committee

(PPAC), and the new Water Demand Projection Methods for Off-stream Water Use in South Carolina was also created. Important steps were taken in water management and regulation to ensure sustainable use of groundwater resources as SCDHEC approved the Groundwater Management Plan for the Western Capacity Use Area (WCUA) this past November. Additionally, Governor Henry McMaster formed the South Carolina Floodwater Commission in response to recent extreme flooding events.

Looking forward, the 2020 South Carolina Water Resources Conference (SCWRC) will be held on October 14-15 at the Columbia Metropolitan Convention Center. The Call for Abstracts for oral and poster presentations will be announced in early February, and the deadline to submit is April 15th. More information can be found on the SCWRC website.

The JSCWR 2020 call for submissions will close in late February. Both full research articles and short communications are invited. Additionally, a new editorial policy was established for consideration of submittals that are fully developed/expanded from content currently available on the Internet. The new policy will provide an opportunity for authors to have not only a formal peer-review process applied to their scholarly work, but also to provide long-term archival placement. Visit the JSCWR website to search and view past issues and access more information on the submittal and review process.

In conclusion, the second JSCWR editor's term ends with the 2019 issue, and we are grateful to have had Devendra Amaty's time and expertise for the 2017, 2018, and 2019 issues. It was because of Devendra's initial encouragement back in 2013 that JSCWR was established, and he has always provided thoughtful insight for the editorial and publishing process and potential for growth. For the third editor term, we are excited to welcome Dwayne Porter. Dwayne is a Professor and the Director of Graduate Studies for Environmental Health Sciences at the University of South Carolina's Arnold School of Public Health. We look forward to the next three years with Dwayne's leadership and the expertise of the full editorial committee that is made up of experts from the University of South Carolina, College of Charleston, Coastal Carolina University, and Clemson University, as well as the USDA Forest Service Southern Research Station.