



Meet Lucas Gregory

Lucas F. Gregory, PhD

Senior Research Scientist and Quality Assurance Officer

Texas Water Resources Institute

Texas A&M University

979-845-1851

lfgregory@ag.tamu.edu

Dr. Lucas Gregory is a Senior Research Scientist and Quality Assurance Officer at the Texas Water Resources Institute (TWRI) at Texas A&M University. He provides leadership for the TWRI watershed assessment, planning, and management team, leads water quality data collection, management, and assessment efforts, and is leading efforts to increase research relative to the connections between water quality and human health. He is also in charge of developing and implementing TWRI's quality assurance program. His research interests are (1) bacteria fate and transport in soil and water; (2) watershed assessment, planning and management; (3) best management practice efficacy evaluation; (4) improving understanding of human health implications of emerging water quality issues and (5) stakeholder engagement. He has served as PI or Co-PI on 41 research projects and has authored or co-authored over 50 peer-reviewed and technical publications on watershed planning, bacteria fate and transport, bacteria source tracking, best management practice effectiveness, water quality assessments, and water budgets. He has mentored over 28 graduate and undergraduate students at TWRI, has served on two graduate student committees, provides training for local volunteers interested in water quality monitoring, and conducts watershed planning and management training programs throughout Texas. He received his B.S. in Agricultural Systems Management (2003), M.S. and Ph.D. in Water Management and Hydrological Sciences (2006 and 2016 respectively) from Texas A&M University. Lucas is also a member of the American Society of Agricultural and Biological Engineers, has served on the UCOWR technical program and awards committees, is the Texas A&M lead delegate to UCOWR, serves as President of the United Methodist Men chapter at his local church and coaches his oldest daughter in cross-country and son in baseball, fishing and hunting.

"How do you plan on advancing UCOWR's mission of leading in education, research and public service in water resources?"

A strength of UCOWR is its ability to bring institutions engaged in water related research, extension, and education together to discuss and debate current and emerging water issues. If given the opportunity to serve on the board, I will work to advance UCOWR's efforts and expand its reach by increasing the fields of science represented in UCOWR. I would recruit non-traditional members and non-member institutions to participate in annual meetings and eventually become UCOWR members. Engaging new members from non-traditional fields will provide fresh insight and perspective on water resource management challenges and expand collaboration opportunities.

Water resources professionals have an inherent public service mission to advance science and educational opportunities in the field. I propose to develop an educational podcast series that highlights how the work of UCOWR members is solving current and future water resource challenges. Not only will this increase knowledge transfer beyond the scientific community, it will also increase UCOWR's public exposure.