

List of Awards Granted to the Southern Region 2000-2009

USDA/NIFA 406 Water Quality Initiative

National Facilitation Projects

Principal Investigator: Dennis, S.O.
Proposal Number: [2005-04114](#)
Performing Institution: Tennessee State University
Amount of Award: \$320,000 | 48 months
Title of Award: Facilitation of 1890 Institutions' Water Resource Education, Extension and Research Efforts

Conservation Effects Assessment Projects

Principal Investigator: B. Wilcox
Proposal Number: [2008-04496](#) →
Performing Institution: Texas A&M University
Amount of Award: \$647,000 | 36 months
Title of Award: Watershed Conservation on Grazing Lands in Central Texas: Cowhouse Creek Case Study

Regional Water Quality Coordination Projects

Principal Investigator: Mark L. McFarland

Proposal Number: [2000-5403](#) →

Performing Institution: Texas Agricultural Extension Service

Amount of Award: \$2,080,000 | 48 months

Title of Award: Southern Region Watershed Resources Management

Principal Investigator: McFarland, M.L.

Proposal Number: [2004-04638](#)

Performing Institution: Texas A&M University

Amount of Award: \$1,251,000 | 24 months

Title of Award: The Southern Region Water Quality Coordination Project

Principal Investigator: Mark L. McFarland

Proposal Number: [2008-03546](#) →

Performing Institution: Texas Cooperative Extension Service

Amount of Award: \$1,250,000 | 12 months

Title of Award: Southern Region Water Resource Project

Principal Investigator: Mark L. McFarland

Proposal Number: [2009-03540](#) →

Performing Institution: Texas AgriLife Extension Service

Amount of Award: \$1,270,000 | 12 months

Title of Award: Southern Region Water Resource Project

Extension Education Projects

Principal Investigator: Jesse C. LaPrade
Proposal Number: [2000-5472](#) ➔
Performing Institution: Auburn University - Extension Administration
Amount of Award: \$156,500 | 36 months
Title of Award: Alabama Farm *A*Syst Program to Serve Small Farm Operators and Underserved Audiences

Principal Investigator: R. Craig Runyan
Proposal Number: [2000-5481](#) ➔
Performing Institution: New Mexico State University
Amount of Award: \$20,000 | 24 months
Title of Award: Protejer El Rio (Protect the River)

Principal Investigator: Michael D. Smolen
Proposal Number: [2001-04856](#) ➔
Performing Institution: Oklahoma State University
Amount of Award: \$267,000 | 36 months
Title of Award: Oklahoma Green Country Watershed Education Project

Principal Investigator: Michael D. Hamilton
Proposal Number: [2001-04868](#) ➔
Performing Institution: University of Arkansas
Amount of Award: \$261,500 | 36 months
Title of Award: Phosphorus Management for Sustainable Animal Agriculture in Ozark Watersheds

Principal Investigator: Jean Spooner
Proposal Number: [2002-4031](#) →
Performing Institution: North Carolina State University
Amount of Award: \$287,500 | 36 months
Title of Award: Demonstrating Stream Restoration: Natural Channel Design, Stormwater Management and Exotic Species Control in a Rapidly Developing Watershed

Principal Investigator: Brent Auvermann
Proposal Number: [2002-4034](#) →
Performing Institution: Texas Cooperative Extension
Amount of Award: \$185,000 | 24 months
Title of Award: Composting as a Carcass Disposal Alternative to Burial for Large Livestock Carcasses

Principal Investigator: Feagley, S.E.
Proposal Number: [2003-04895](#)
Performing Institution: Texas A&M University
Amount of Award: \$275,000
Title of Award: Development of Online Nutrient Management Certification Course of Technical Service Providers and Development/Delivery of Educational Programs for CAFO

Principal Investigator: Flinchum, D.M.
Proposal Number: [2003-04903](#)
Performing Institution: University of Florida
Amount of Award: \$275,000
Title of Award: IFAS Wetland Enhancement Decision-Making Tools and Training for Landowners and Technical Service Providers

Principal Investigator: Hairston, J.E.
Proposal Number: [2003-04914](#)
Performing Institution: Auburn University
Amount of Award: \$152,000
Title of Award: Developing Community-Based Restoration Initiatives

Principal Investigator: Smolen, M.D.
Proposal Number: [2003-04885](#)
Performing Institution: Oklahoma State University
Amount of Award: Drinking Water Education for Under-served Communities
Title of Award: \$250,000

Principal Investigator: Karen R. Hall
Proposal Number: [2009-05409](#)➔
Performing Institution: North Carolina State University
Amount of Award: \$228,000 | 36 months
Title of Award: Robeson Creek Water Quality Outreach Initiative

Integrated Research, Education, and Extension Projects

Principal Investigator: John Milton Langston

Proposal Number: [2000-5268](#) ➔

Performing Institution: U of Arkansas Cooperative Extension Service

Amount of Award: \$450,000 | 36 months

Title of Award: Environmental Training For the Arkansas Livestock Industry

Principal Investigator: Clyde Munster

Proposal Number: [2001-04745](#) ➔

Performing Institution: Texas A&M University

Amount of Award: \$384,000 | 36 months

Title of Award: Achieving TMDL Goals in Impaired Watersheds Through Manure Export in Turfgrass Sod

Principal Investigator: Joe E. Lepo

Proposal Number: [2001-04878](#) ➔

Performing Institution: University of West Florida

Amount of Award: \$532,000 | 36 months

Title of Award: Agricultural Runoff Impacts on Total Maximum Daily Loads and Water Quality

Principal Investigator: Nancy White

Proposal Number: [2001-04970](#) ➔

Performing Institution: North Carolina State University

Amount of Award: \$381,000 | 24 months

Title of Award: Monitoring and TMDL modeling techniques to assess bacterial loading in estuarine environments and improve management programs

Principal Investigator: Stephen R. Workman
Proposal Number: [2001-04909](#) ➔
Performing Institution: University of Kentucky
Amount of Award: \$306,000 | 24 months
Title of Award: Cattle Production Practices in Grazed Watersheds of the Humid Region

Principal Investigator: Marty D. Matlock
Proposal Number: [2002-00516](#) ➔
Performing Institution: University of Arkansas
Amount of Award: \$686,000 | 36 months
Title of Award: A Nutrient Management Decision Support System for the Eucha Basin

Principal Investigator: Sabine Grunwald
Proposal Number: [2002-00501](#) ➔
Performing Institution: University of Florida - Gainesville
Amount of Award: \$645,000 | 36 months
Title of Award: Geo-Temporal and Visualization of Nitrogen in a Mixed-Use Watershed

Principal Investigator: John W. Day, Jr.
Proposal Number: [2002-00561](#) ➔
Performing Institution: Louisiana State University
Amount of Award: \$696,000 | 36 months
Title of Award: Utilizing Mississippi River Diversions for Nutrient Management in a Louisiana Coastal Watershed (NUMAN)

Principal Investigator: Michael F. Piehler
Proposal Number: 00502 (no CRIS record available)
Performing Institution: University of North Carolina - Morehead City
Amount of Award: \$737,500 (unconfirmed) | 36 months
Title of Award: Attenuation of non-point source nitrogen pollution in a coastal watershed: Implications for nutrient management

Principal Investigator: Chauby, I
Proposal Number: [2003-04938](#)
Performing Institution: University of Arkansas
Amount of Award: \$550,000
Title of Award: Development of an Integrated Water Quality-Water Management Program in the Arkansas Delta

Principal Investigator: Deutsch, W.G.
Proposal Number: [2003-04952](#)
Performing Institution: Auburn University
Amount of Award: \$550,000
Title of Award: A Transferable Model of Stakeholder Partnerships for Addressing Nutrient Dynamics in Southeastern Watersheds

Principal Investigator: Massey, J.H.
Proposal Number: [2003-04930](#)
Performing Institution: Mississippi State University
Amount of Award: \$596,000
Title of Award: Improved Irrigation Efficiency and Reduced Potential for Surface Water Contamination Using Intermittent plus Multiple-Inlet Irrigation in Rice (*Oryza sativa*) Production

Principal Investigator: Radcliffe, D.E.
Proposal Number: [2003-04944](#)
Performing Institution: Univeristy of Georgia
Amount of Award: \$550,000
Title of Award: A Framework for Trading Phosphorus Credits in the Lake Allatoona Watershed

Principal Investigator: White, N.M.
Proposal Number: [2003-04937](#)
Performing Institution: North Carolina State University
Amount of Award: \$550,000
Title of Award: Integrated watershed-based molecular and hydrologic monitoring techniques to assess pathogen loading in estuarine environments and improve shellfish resource management programs

Principal Investigator: Muir, J. P.
Proposal Number: [2004-04670](#)
Performing Institution: Texas A & M University
Amount of Award: \$580,000 | 36 months
Title of Award: Strategies for Phosphorus Reduction from Land Receiving Dairy Manure on the North Bosque and Leon Rivers

Principal Investigator: Vellidis, G.
Proposal Number: [2004-04941](#)
Performing Institution: University of Georgia
Amount of Award: \$580,000 | 36 months
Title of Award: Understanding and Explaining the Relationships Between Dissolved Oxygen, Water Quality and Stream Ecosystems in the Coastal Plain of Georgia

Principal Investigator: White, K.
Proposal Number: [2005-04103](#)
Performing Institution: University of Florida
Amount of Award: \$238,000 | 36 months
Title of Award:
(Keys to Measurable Behavior Change) Improving Water Quality at the Watershed Level by Targeting High Return Stakeholders

Principal Investigator: Vengosh, A.
Proposal Number: [2006-03956](#)
Performing Institution: Duke University
Amount of Award: \$570,000 | 36 months
Title of Award: An integrative investigation of the sources and effects of groundwater contamination for local communities and homeowners in North Carolina

Principal Investigator: D.E. Radcliffe, L.M. Risse, J. Ritchie, A. Simon, and E. Langendoen
Proposal Number: [2007-03838](#) →
Performing Institution: University of Georgia
Amount of Award: \$575,000
Title of Award: A new approach to sediment TMDL watersheds in the southern Piedmont

Principal Investigator: Forbes R. Walker
Proposal Number: [2009-05453](#) →
Performing Institution: University of Tennessee
Amount of Award: \$652,000 | 36 months
Title of Award: Enhancing Water Quality in Oostanaula Watershed: An Integrated Approach Toward Understanding Adoption and Efficacy of Best Management Practices