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

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*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)

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*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

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*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

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**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

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**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

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**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

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**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

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**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

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**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-Inet Irrigation in Rice (Oryza sativa) Production
**Principal Investigator:** Radcliffe, D.E.

**Proposal Number:** 2003-04944

**Performing Institution:** University of Georgia

**Amount of Award:** $550,000

**Title of Award:** A Framework for Trading Phosphorus Credits in the Lake Allatoona Watershed

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**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

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**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

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**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

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**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

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**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

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**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