

Heartland Regional Water Quality Conference
DoubleTree Hotel • Overland Park, KS
October 26 - 28, 2005

Presenter Information

Anderson, Greg – Missouri Department of Natural Resources

Greg Anderson has been the Nonpoint Source Coordinator for Missouri for two years. He has a MS in Environmental Science and has worked with the Missouri Department of Natural Resources for over twelve years. Prior to that Greg worked as a chemical lab technologist for a Phillip Morris subsidiary and as a microbiologist for a St. Louis pharmaceutical manufacturer. Email - greg.anderson@dnr.mo.gov

Antons, Pauline – IA Soil and Water Conservation District

Pauline Antons is a retired high school math teacher who lives on a century farm in the Mineral Creek Watershed. In addition to education her interests are in conservation areas because she has been a Jones County Soil and Water Commissioner (SWCD) since 1990 and is an active member of the Mineral Creek Watershed Council. She represents the Jones County SWCD as a board member of Limestone Bluffs Resource Conservation and Development (RC&D), a 6 county area. Email - pantons@netins.net

Barden, Charles – KSU

Dr. Charles Barden is an Associate Professor of Forestry at Kansas State University. Much of his work involves interdisciplinary investigations to document the effect riparian buffer vegetation has on water quality, and to improve riparian buffer establishment techniques. Dr. Barden is also a member of the Heartland Nutrient and Pesticide Management leadership team. Email - cbarden@ksu.edu

Benning, Jamie – UNL

Jamie Benning is an Extension Water Quality Educator for the University of Nebraska. She is a member of the Heartland Nutrient and Pesticide Management Team as well as the Heartland Animal Manure Management Team. Jamie has two years of experience in nutrient and manure management issues, and has been involved in nutrient management planning and phosphorus management education and phosphorus index development. Ms. Benning holds a B.S. in Agronomy and an M.S. in Soil Science from Iowa State University. Email - jboehm2@unlnotes.unl.edu

Bergin, Sean – U.S. EPA Region - 7

Sean Bergin is an Environmental Scientist for EPA Region VII. He works in the Environmental Services Division as an Environmental Monitoring and Water Compliance Branch NPDES Inspector - with an emphasis on CAFO inspections. Email - bergin.sean@epa.gov

Brown, Susan – ISU

Susan Brown is an Extension Water Quality Program Specialist at Iowa State University and Regional Liaison for the Heartland Initiative. She has worked with multi-agency groups on Iowa water quality projects since 1990. She provides assistance to agronomy extension specialists for implementation projects that reduce agricultural nonpoint source water impairment. [Email](mailto:ssbrown@iastate.edu) - ssbrown@iastate.edu

Broz, Bob – MU

Bob Broz has been with the University of Missouri for 12 years in the Food Science and Biological Engineering program and is the director of extension water quality programs and State Water Quality Extension Specialist. He has a background in production agriculture, agricultural education and environmental education. Bob is also a member of the Heartland Leadership Team. [Email](mailto:brozr@missouri.edu) - brozr@missouri.edu

Devlin, Dan – KSU

Dan Devlin is a Professor and Extension Specialist at Kansas State University and also serves as the State Extension Water Quality Coordinator. He is a member of the Heartland Leadership Team and is the co-leader for the Nutrient and Pesticide Management Team. At KSU, he develops and delivers extension programs in nutrient and pesticide management for water quality protection. He has been a member of the faculty at KSU since 1985. [Email](mailto:ddevlin@ksu.edu) - ddevlin@ksu.edu

Dickey, Elbert – UNL

Elbert Dickey has been the Dean and Director of the University of Nebraska Extension since 1999. Prior to being the Dean, he was an extension agricultural engineer at Nebraska. As of October 1st of this year, Elbert became an Education Advisor to CSREES. [Email](mailto:edickey1@unl.edu) - edickey1@unl.edu

Downing, Dan – MU

Dan Downing works as a Water Quality Associate for the University of Missouri Extension. His primary responsibility is to travel throughout the state of Missouri and assist in the organization, coordination, and efficacy of watershed management groups. His main focus is on water bodies listed as impaired (on the Missouri 303d list). [Email](mailto:downingd@missouri.edu) - downingd@missouri.edu

Edgett - Minson, Stacie – KSU

Stacie Edgett Minson is a KSU Graduate in Animal Sciences & Industry. She was the Trego County Extension Agriculture Agent & County Director from 1996-2003. She is now the Middle Smoky Hill River & Kanopolis Lake Watershed Specialist. Stacie works with different groups to establish partnerships so that the quality of life in the community is improved. [Email](mailto:sedgett@oznet.ksu.edu) - sedgett@oznet.ksu.edu

Ehrman, Dick – NE Natural Resource Districts

Dick Ehrman currently serves as the NRD/NDEQ Liaison for the Nebraska Association of Resources Districts, coordinating mutual resource issues for Nebraska's 23 Natural Resources Districts and the Nebraska Department of Environmental Quality. His areas of emphasis include nonpoint source management and ground water quality

management and monitoring. He has 19 years' experience working with water quality issues in Nebraska. He holds Bachelor's degrees in earth science and history from Chadron State College, and a Master's degree in geology from the University of Nebraska. Dick is certified as a Professional Geologist at the state and national level, and currently serves as Chair of the Nebraska Board of Geologists. He is also an adjunct Assistant Professor of Geology at Doane College.

Email - dick.ehrman@ndeq.state.ne.us

Ferguson, Richard – UNL

Richard Ferguson is a Professor of Soil Science in the department of Agronomy and Horticulture with the University of Nebraska. He has a joint research and Extension appointment. Throughout his 20 year career with the University of Nebraska, his research and educational efforts have focused on improving nitrogen fertilizer management to reduce nitrate loss to groundwater in irrigated production systems. He has served as project leader for the Mid-Nebraska Water Quality Demonstration Project (1990-1998) and the Platte Valley Nitrogen and Irrigation Management Demonstration Project (1985 -). Current research interests include various aspects of site-specific nitrogen management, long-term impacts of sustained manure application, site-specific management for high pH soils, nitrogen management for sub-surface drip irrigation, and site-specific use of nitrification inhibitors. Email - rferguso@unlnotes.unl.edu

Gassman, Phil – ISU

Phil Gassman is an Assistant Scientist (Research Agricultural Engineer) with the Center for Agricultural and Rural Development (CARD), which is located within the Economics Department at Iowa State Univ. He has been with CARD since 1987, following completion of B.S. and M.S. degrees in agricultural engineering at Iowa State. His primary research emphasis is the application of environmental models within integrated modeling systems for watershed- and regional-scale analyses. He is also presently working on a PhD in Water Resources. Email - pwgassma@iastate.edu

Gulliford, Jim – U.S. EPA - Region 7

Jim Gulliford has been the Region 7 administrator for the U.S. Environmental Protection Agency since September 13, 2001. As regional administrator, he is the interface between EPA headquarters in Washington and the citizens of Iowa, Kansas, Missouri and Nebraska. That means that while he represents EPA in the four-state region, he also represents the concerns of the region to EPA headquarters. Jim had 25 years of professional experience administering environmental programs in the agricultural and mining areas before he was appointed regional administrator. He received a bachelor's degree in forestry management and a master's degree in forestry economics and marketing from Iowa State University. He worked at Iowa State University and Southern Illinois University in mine reclamation and environmental protection program areas until 1982, when he became director of Iowa's Department of Soil Conservation. Jim was named director of the Division of Soil Conservation when the Department of Soil Conservation merged into the Department of Agriculture and Land Stewardship.

Email – gulliford.james@epa.gov

Harsch, John – KS Department of Health and Environment (KDHE)

John Harsch is the Section Chief for the Livestock Waste Management Section at the Kansas Department of Health and Environment. John has worked for KDHE for the past 7 years and worked for a conservation district 5 years prior to his employment with KDHE. [Email](mailto:JHarsch@kdhe.state.ks.us) - JHarsch@kdhe.state.ks.us

Koelsch, Rick – UNL

Richard Koelsch is an Associate Professor and Livestock Environmental Engineer for the Department of Bio-Systems Engineering and Animal Sciences at the University of Nebraska. His research currently targets development and implementation of tools for estimating appropriate setback distances for livestock facilities, while his extension duties focus on the development and implementation of nutrient management planning guidelines in Nebraska. He also provides leadership for several national initiatives including a national Livestock and Environmental Stewardship curriculum. John is also a member of the Heartland leadership team. [Email](mailto:rkoelsch1@unl.edu) - rkoelsch1@unl.edu

Lally, Joe – ISU

Joe Lally has over 30 years experience in livestock production systems, both independent and integrated. Joe is a Technical Service Provider and has experience preparing CNMP's. He is a member of the Heartland Animal Manure Management Team. Joe has a B.S. in Farm Operations and an M.S. in Professional Agriculture from Iowa State University. [Email](mailto:lally@iastate.edu) - lally@iastate.edu

Lawrence, John – ISU

John Lawrence is an Extension Livestock Economist and Director at the Iowa Beef Center. In addition to livestock outlook, marketing, cost of production, and industry analysis, John has worked with Iowa beef feedlots on environmental education and policy and alternative technologies for feedlot effluent treatment. He led Iowa's involvement in a 10-state program to develop functional environmental management systems for livestock operations. John is also a member of the Heartland leadership team. [Email](mailto:jdlaw@iastate.edu) - jdlaw@iastate.edu

Leikam, Dale – KSU

Dr. Dale Leikam is an Associate Professor and Nutrient Management specialist for Kansas State University. His research interests include Nutrient Management; Nutrient Recommendations, Manure Management, and Soil Fertility. [Email](mailto:dleikam@ksu.edu) - dleikam@ksu.edu

Liechti, Paul – Kansas Biological Survey

Paul Liechti is an aquatic biologist and Assistant Director of Kansas Biological Survey at the University of Kansas. His primary interest is in human effects on aquatic ecosystem health and has assisted in the development of watershed restoration and protection plans for Lake of Olathe and Clinton Lake. Also, he serves on the Board of Directors of the Kaw Valley Heritage Alliance, a diverse group of citizens and partners united by their common watershed interests. [Email](mailto:pliechti@ku.edu) - pliechti@ku.edu

Lory, John – MU

John Lory is an Associate Professor of Extension in the Division of Plant Sciences at University of Missouri. A major focus of his program is developing decision aids and computer software to improve nutrient management. He is the co-developer of the Missouri Phosphorus Index. [Email](mailto:loryj@missouri.edu) - loryj@missouri.edu

Massey, Ray – MU

Dr. Ray Massey is an Extension Associate Professor in the Department of Agricultural Economics at the University of Missouri. He works with the Commercial Agriculture program on interdisciplinary teams to address current concerns facing production agriculture. His specialty - the impact of production agriculture on the environment with emphasis on understanding how incentives and business resources affect the management decisions. [Email](mailto:MasseyR@missouri.edu) - MasseyR@missouri.edu

Miller, Jerry – ISU

Gerald Miller serves as the project director for the Heartland Regional Water Coordination Initiative. In this capacity he and the 8 co-principal investigators provide overall leadership and guidance for the project. He is the Associate Dean for Extension Programs, College of Agriculture, and Program Director, Extension Agriculture and Natural Resources programs at Iowa State University. [Email](mailto:soil@iastate.edu) - soil@iastate.edu

Powell, Morgan – KSU

Morgan Powell is a professor in Environmental Engineering at Kansas State University. His primary focus is on promoting lifelong learning about water and environmental quality. His mission is to help communities collaborate to achieve a healthy, sustainable environment, including meeting water quality standards. [Email](mailto:well@ksu.edu) - well@ksu.edu

Reid, Heather – ISU

Heather Reid is a graduating senior in Public Service and Administration in Agriculture at Iowa State University. She grew up on a family farm within the Mineral Creek Watershed and through that experience became interested in water quality issues. Heather has spent the past two summers interning and volunteering with the Jones County Soil and Water Conservation District and the Mineral Creek Watershed Project. [Email](mailto:tornadowarning@yahoo.com) - tornadowarning@yahoo.com

Rodecap, John – ISU

John Rodecap has worked with Iowa State University water quality projects in northeast Iowa for 14 years. John's interests have been on-farm nutrient management demonstrations, nutrient management education incentive programs, development of watershed resident-led water quality projects including involving residents in Performance (outcome)-based water quality management. [Email](mailto:jrodecap@iastate.edu) - jrodecap@iastate.edu

Schafer, Jeannette – EPA Region 7

Jeannette Schafer from EPA R7 is the Regional Watershed Coordinator and the team leader for the Watershed Project Coordination Team which focuses on local communities and projects to address watershed and wetlands issues using the Watershed Approach. She has previously worked in both Clean Water Act and Safe

Drinking Water Act Programs including TMDLs (Total Maximum Daily Load), initiating Sourcewater Protection pilots, and CWA Section 404/ Wetlands. She is working with Kathleen Fenton from our Community-based Environmental Program on the Iowa Great Lakes project. [Email](mailto:Schafer.Jeannette@epamail.epa.gov) - Schafer.Jeannette@epamail.epa.gov

Schepers, Jim – USDA-ARS

Jim Schepers is a soil scientist with the USDA-Agricultural Research Service in the Agronomy and Horticulture Department at the University of Nebraska. His research deals with ways to improve nitrogen management using a combination of soil and crop-based technologies. [Email](mailto:jschepers1@unl.edu) - jschepers1@unl.edu

Shapiro, Charles – UNL

Charles Shapiro is a Professor of Agronomy and Horticulture with a focus on soil fertility. He has been at the Haskell Agricultural Laboratory in Northeast Nebraska since 1984. He has been working in the area of land application of manure since his graduate student days. His focus has been to help producers realize the nutrient and non-nutrient value of using manure in their cropping systems. Charles has a 50 % Research and 50% Extension appointment and is a member of the management team that leads the Comprehensive Nutrient Management Planning Extension Workgroup. [Email](mailto:cshapiro1@unl.edu) - cshapiro1@unl.edu

Shepard, Robin – UWEX

Robin Shepard is the Program Leader for Community Natural Resources and Economic Development, within the University of Wisconsin – Extension System. Robin has served as the Water Resources Education Coordinator for UW-Extension since 1991 and is an Associate Professor of Life Sciences Communication at the University of Wisconsin-Madison. He is also the Regional Water Quality Coordinator for the Great Lakes Region, which links the states of Wisconsin, Minnesota, Illinois, Indiana, Michigan and Ohio. As a university specialist in natural resource programs and policy for Cooperative Extension, his work focuses on educational program development and evaluation. [Email](mailto:robin.shepard@uwex.edu) - robin.shepard@uwex.edu

Stillwell, Nathan – Cheney Lake Watershed, KS

Nathan Stillwell is a first generation farmer from Arlington, KS and serves as a board member for the Cheney Lake Watershed. He is one of many farmers, ranchers, and other rural residents of this 633,449 acre watershed that is working with the city of Wichita, the largest city in Kansas, to protect a primary drinking water source for more than 300,000 people. [Email](mailto:nrstillwell@earthlink.net) - nrstillwell@earthlink.net

Tarkalson, David – UNL

David Tarkalson is an Assistant Professor in soil fertility and nutrient management at the University of Nebraska. Dr. Tarkalson studies environmental impacts of antibiotics that are applied to the soil through manure, nitrogen management for irrigated corn production, and the enhancement of crop production in both acidic and alkaline soil pH conditions. He also has an extension emphasis on CNMP education for animal producers, crop producers and consultants. [Email](mailto:dtarkalson2@unlnotes.unl.edu) - dtarkalson2@unlnotes.unl.edu

Thurston-Enriquez, Jeannette – USDA-ARS

Jeannette Thurston-Enriquez graduated with a doctorate from the University of Arizona in 2001 in environmental microbiology. She began with the USDA-ARS in Lincoln Nebraska immediately after graduation. At the USDA-ARS, Jeannette leads research involving the fate and dissemination of pathogens in manure-impacted environments, assessment of best management practices to reduce pathogens and other manure-borne contaminants, and evaluation of alternative disinfection strategies for the reduction of pathogens in water. [Email](mailto:jthurston2@unl.edu) - jthurston2@unl.edu

Tomer, Mark – USDA-ARS

Dr. Mark Tomer is a Soil Scientist and Hydrologist with the National Soil Tilth Laboratory of the USDA's Agricultural Research Service, and has held this position since 2000. Dr. Tomer's background includes a BS in Forestry (from Montana), an MS in Soil Physics (from Montana State), and a PhD in Soil Science and Water Resources (Minnesota). Dr. Tomer's work has examined the hydrology of soils, hillslopes, wetlands, and watersheds, under different land-management contexts including agriculture, waste management, and forestry. His current research focuses on identifying water quality benefits of conservation practices in watersheds, and identifying ways to target those practices that will optimize their benefits. [Email](mailto:tomer@nstl.gov) - tomer@nstl.gov

Wilson, Robert – KSU

Robert Wilson is an Environmental Planner with the Office of Local Government at K-State Research & Extension, where he provides facilitation, technical assistance, and outreach education services to watershed stakeholders in developing Watershed Restoration & Protection Strategies (WRAPS). Wilson co-authored the *Kansas Local Government Water Quality Planning & Management Guide* (published by K-State in 1999). He represents K-State on the Heartland Regional Water Quality Coordination Initiative's Community Involvement in Watershed Management theme team. In addition to his work with watershed projects, Wilson recently developed and facilitated a community environmental decision-making workshop. Wilson also coordinates a newly-formed Community of Practice at K-State focusing on Public Issues Education. [Email](mailto:rmwilson@ksu.edu) - rmwilson@ksu.edu

Wineinger, Ron – Sedalia, MO Source Water Protection Committee

Ron Wineinger serves as a board member on the Sedalia Source Water Protection Committee. The committee's goal is to protect and improve drinking water. Ron is actively involved in the community and is a member of the Missouri Speech and Theater Hall of Fame. He also currently works for the Department of Justice conducting surveys on the penal system, interviewing serious and violent criminals. [Email](mailto:wineinger@charter.net) - wineinger@charter.net

Winter, Tracey – Missouri Department of Natural Resources

Tracey Winter from Missouri's Department of Natural Resources (DNR) Kansas City Regional Office works with public drinking water supply systems in Northeast Missouri doing compliance assistance, inspections, and community source water protection efforts. Along with other communities, she has most recently worked with Smithville, Missouri and their recent CWA 319 grant and Source Water Protection Plan. She is the

lead and works with Jaci Ferguson of the EPA Watershed team on the Sedalia, Missouri project. [Email](mailto:tracey.winter@dnr.mo.gov) - tracey.winter@dnr.mo.gov

Wortmann, Charles – UNL

Charles Wortmann is a nutrient management specialist in the Department of Agronomy and Horticulture at UNL with an extension-research appointment. His research and extension program are integrated with two major areas of focus: nutrient management, and especially manure nutrients, for fresh surface water protection; and the improvement of no-till row crop production systems. He joined UNL in 2001 and worked in Africa for 20 years before that. He continues to have collaborative research and extension activities in four countries of eastern and southern Africa. He is a member of the Heartland's leadership team. [Email](mailto:cwortmann2@unl.edu) - cwortmann2@unl.edu

Wright - Morton, Lois – ISU

Lois Wright Morton received her Ph.D. in Development Sociology at Cornell University, Ithaca, New York. She is currently an Associate Professor of Sociology in the College of Agriculture at Iowa State University. Dr. Morton's areas of research include civic structure, rural communities, rural quality of life, and population health. She is author of the book *Health Care Restructuring: Market Theory vs Civil Society* (2001) and co-author of *Critical Issues in Rural Health* (Glasgow, Morton, & Johnson 2004). Other publications have focused on small town services and facilities and the effects of social networks and civic structure on quality of life (*City & Community* 2:2:101-120, 2003), definitions and theories of civic structure (*Encyclopedia of Community*, 1:179-182, 2003). Research in progress includes civic structure and citizen engagement in watershed problem solving. [Email](mailto:lwmorton@iastate.edu) - lwmorton@iastate.edu

Yonts, Dean – UNL

C. Dean Yonts is an Associate Professor and Extension Irrigation Specialist, Biological Systems Engineering for the University of Nebraska in the Panhandle Research and Extension Center. His areas of interest include surface irrigation, sprinkler irrigation, irrigation water management, and deficit irrigation water management. [Email](mailto:cyonts@unlnotes.unl.edu) - cyonts@unlnotes.unl.edu