

65th International Annual Conference

Posters
Accepted
through
March 31



Ecosystem Services

Applications for
Conservation Science,
Policy, and Practice

July 18-21, 2010
St. Louis, Missouri

Preliminary
Program

Welcome & Notes from the Program Committee

Join your colleagues in St. Louis for the 65th annual international conference of the Soil and Water Conservation Society. The conference, held July 18-21, includes workshops, concurrent sessions, symposia, posters, plenary sessions, and technical tours designed to raise the awareness of conference participants to recent developments in the science and art of natural resource conservation and environmental management. The 2010 conference will take place at the Hilton at the Ballpark in downtown St. Louis.

The Soil and Water Conservation Society (SWCS) is a nonprofit scientific and educational organization founded in 1943. Our mission is to foster the science and art of natural resources conservation and environmental management on working land – the land used to produce food, fiber, and other services that improve the quality of life people experience in rural and urban communities. We work to discover, develop, implement, and constantly improve ways to use land that sustains its productive capacity and enhances the environment at the same time.

We hope you will include St. Louis in your plans for this summer.

Concurrent Sessions: Symposia/Oral Presentations

Ninety minute symposia and concurrent sessions will take place on Monday and Tuesday at 10:30 a.m., 1:30 p.m., and 3:30 p.m. Turn to page six to see the accepted symposia sessions and oral presentations.

Technical Workshops, Educational Tours, & Networking Opportunities

Special events this year include a 65/75 Dinner celebrating the 65th anniversary of the SWCS Annual Meeting and the 75th Anniversary of the creation of the Soil Conservation Service, the Exhibitor/Poster Reception on Sunday night, and a trip to the Cardinals game on Monday night. There are seven tours, five workshops, and dozens of opportunities to learn and make connections with attendees, exhibitors, and speakers in a variety of traditional and nontraditional settings and sessions.

Posters Accepted through March 31

To continue to encourage participation and allow for the inclusion of research conclusions, the Program Committee will continue to accept abstracts for Poster Presentations for the annual conference through March 31.

Get more information or submit an abstract at www.swcs.org/2010abstracts

Continuing Education Units (CEUs) and Graduate Credit

We will be managing Continuing Education Units (CEUs) a little differently in 2010.

In order to receive credit, attendees will need to designate at registration the certification program for which they are seeking CEUs. SWCS has made arrangements for general Certified Crop Advisor (CCA) credits in the Soil and Water Area. Additionally, we will work with attendees to arrange for credits for certified, licensed, or professional engineers (PE); agronomists (CPAg); soil scientists and classifiers (CPSS and CPSC); crop consultants (CPCC); foresters, range managers (CPRM); grassland professionals (CGP); professionals in erosion and sediment control (CPESC); storm water quality (CPSWQ); and others as requested.

Program Topics and Areas of Emphasis

Each year SWCS identifies topics or a theme for special attention at the annual conference. This year the overarching theme of the conference is:

Ecosystem Services:

Applications for Conservation Science, Policy, and Practice
Ecosystem services, simply put, are the benefits that society receives from soil, water, air, organisms, and the processes that govern their interactions. Nourishing food and clean water in sufficient quantities are two examples of human needs that would not be met without ecosystem services such as soil formation, nutrient cycling, and regulating the earth's climate. Other services include meeting the recreational, aesthetic, and cultural amenities that are essential for human well being. The concept of ecosystem services is not new, but is gaining momentum as we seek to prioritize, measure, and communicate the value of conservation impacts in agricultural and urban settings. Abstracts for oral presentations, posters, and symposia should address the role of ecosystem services concepts in the technical, outreach and education, and public policy aspects of conservation.

Message from the Program Committee

The SWCS mission is to foster the science and art of natural resource conservation. This mission is grounded in a deep understanding of the value of natural resources in our own lives, for our families, friends and communities, and for future generations. However, we live in a diverse world of competing interests. Many of those interests are less connected to the land and are unaware of the long-term costs of their choices. For those that are aware, current economic and public policy drivers frequently disincentivize conservation and the focused use of limited resources to achieve meaningful conservation gains.

This is a challenging environment — one that needs to be addressed strategically. The 2010 conference is an opportunity for dialog among the SWCS community about the value of an ecosystem services framework for conservation science, policy, and practice. Our intent is for symposia and presentations to address the following kinds of questions:

- Does the concept of ecosystem services aid conservation planning, implementation, and funding?
- How are research agendas in the natural and social sciences contributing to our understanding of practices and policies that will maintain food, water, fuel, and fiber resources while protecting soil, climate, security, social quality of life, and cultural amenities?
- How are community, watershed, farm, and fieldscale conservation activities maintaining soil, water, air, wildlife, and energy resources?
- What are the drivers — attitudes, messages, incentives, regulations — that lead to individual and community engagement in practices that maintain or improve ecosystem services?
- How are federal, state, and local policies supporting or limiting our ability to provide ecosystem services?
- How are individuals and organizations outside of government utilizing ecosystem services concepts?
- What role should trading mechanisms for nutrients and carbon play in maintaining ecosystem services?
- What levels of uncertainty surround the quantification or valuation of ecosystem services? Is this uncertainty being conveyed in ways that allow agencies, organizations, and communities to use them in a meaningful way to prioritize, measure, and communicate the value of conservation impacts in agricultural and urban settings?
- How do we integrate the valuation of ecosystem services with inherently different attributes? How do we optimize the provision of ecosystem services, given the inherent tradeoffs among some services (e.g. water for livestock, water for in-stream flows)?
- How can ecosystem services be maintained or improved in urbanizing and urban environments?

www.swcs.org/10ac

Conference Highlights

Sunday, July 18 – 4:00 p.m.

2010 Fellows Forum: Gulf Hypoxia – A Midwest Perspective

The Berg and Society Fellows annually host this Forum which is open to all conference attendees. If you plan to attend, please indicate on your registration. The 2010 Forum will address the theme “Gulf Hypoxia — A Midwest Perspective” by involving panel members representing four unique views: agricultural production, state agency/regulatory, environmental, and urban/municipal. The panel will discuss the Gulf Hypoxia issue, but from a Midwest perspective. Nutrients, especially nitrogen and phosphorus, from a wide variety of sources have a significant impact on water quality in the Gulf of Mexico. The size and complexity of the Mississippi River Basin makes addressing these nutrient concerns very difficult. This forum will consider the sources of these pollutants in the Midwest, whether there is a problem or simply a perceived dilemma, and whether or not it's the role of government to encourage changes in how these nutrients are being utilized on the landscape.

Monday, July 19 – 8:30 a.m.

Pritchard Lecture: Smart Resource Use by Valuing Nature's Assets

Peter Kareiva, Ph.D.

Chief Scientist & Director Science

The Nature Conservancy

Dr. Peter Kareiva moved to The Nature Conservancy after 20 years as a university professor and 3 years working on salmon conservation for NOAA Fisheries. His past publications and research have concerned such diverse fields as mathematical biology, fisheries science, insect ecology, risk analysis, genetically engineered organisms, agricultural ecology, population viability analysis, behavioral ecology, landscape ecology, and global climate change. Dr. Kareiva will provide an introduction to the concept of ecosystem services in conservation science and practice. He will help us think about the opportunities and challenges in developing credible ecosystem services decision-making tools. These tools can foster consideration of nature's assets at local, regional, and global scales. To illustrate, he will share some compelling examples from his experience in working landscapes and introduce tools and processes being developed through The Natural Capital Project, a collaboration between the World Wildlife Federation, Stanford University and The Nature Conservancy.

Tuesday, July 20 – 8:30 a.m.

Tuesday Plenary: Ecosystem Services Panel

Join five nationally recognized leaders in the ecosystem services arena as they expand on the H. Wayne Pritchard Lecture and look more deeply at policy applications and the role of markets in maintaining ecosystem services. Using questions from the audience, they will engage in a lively exchange about the opportunities and challenges that face conservationists as we consider ecosystem services frameworks for science, communication, and developing natural resource markets.

Panelists

- Sally Collins, Director, USDA Office of Ecosystem Services and Markets
- Rick Linthurst, National Program Director for Ecosystem Services, USEPA
- David Miller, Director of Research & Commodity Services, Iowa Farm Bureau Federation and Chief Science Officer, AgraGate Climate Credits Corporation
- Peter Kareiva, Chief Scientist, The Nature Conservancy
- Moderator: Cliff Duke, Science Director, Ecological Society of America (ESA)

2010 Conference Schedule at a Glance

Saturday July 17

- 8:00 a.m. SWCS Board of Directors Meeting
- 9:00 a.m. Conservation Leadership Workshop*

Sunday July 18

- 8:30 a.m. Committee Meetings
- Noon State of Society Address
House of Delegates Resolutions
SWCS Town Hall Meeting
- 1:30 p.m. Technical Workshops
- 1:30 p.m. Student Members Meeting
- 1:30 p.m. Committee Meetings
- 4:00 p.m. Fellows Forum: Gulf Hypoxia – A Midwest Perspective
- 6:00 p.m. First Timers/New members orientation
- 6:30 p.m. Welcome Reception in Exhibit Hall with exhibitors and poster presenters

Monday July 19

- 8:30 a.m. Opening Plenary:
SWCS Executive Director – Jim Gulliford
Pritchard Lecture – Peter Kareiva, Chief Scientist & Director Science, The Nature Conservancy
- 10:30 a.m. Concurrent Sessions
- Noon Lunch Break (On your own)
- Noon Regional Roundtable Lunches for all regions*
- 1:30 p.m. Concurrent Sessions
- 3:30 p.m. Concurrent Sessions
- 5:30 p.m. Pre-game Tailgate, sponsored by EnviroCert International, Inc.*
- 7:05 p.m. St. Louis Cardinals vs. Philadelphia Phillies*

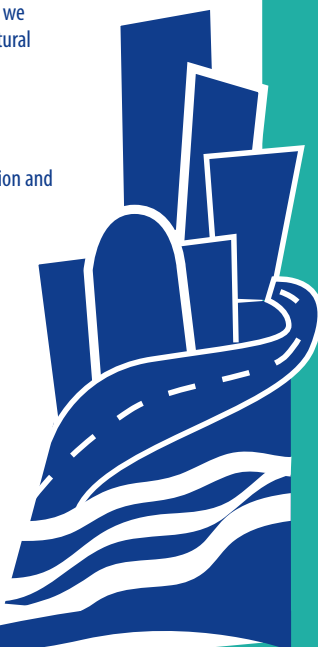
Tuesday July 20

- 8:30 a.m. Tuesday Plenary: Ecosystem Services Panel
- 10:30 a.m. Concurrent Sessions
- 11:00 a.m. ARCSE Luncheon*
- Noon Lunch Break (On your own)
- Noon SWCS Awards Luncheon*
- 1:30 p.m. Concurrent Sessions
- 3:30 p.m. Concurrent Sessions
- 6:00 p.m. 65/75 Anniversary Dinner*

Wednesday July 21

- 7:00 a.m. Offsite Tours*
- 8:30 a.m. Workshop: Carbon Markets – Expanding Opportunities*

*Extra Fees



Outdoor Classroom – Educational Tours

All tours will take place on Wednesday, July 21. Departure and return times vary. The tours will give exposure to interesting and informative conservation work happening in the area. Be sure to register early to secure a seat. The SWCS reserves the right to cancel a tour that does not have the minimum number of participants and to change the maximum number of participants. Late fees (an additional \$15 per ticket) will apply beginning on June 3, so register early!

Tour #1 (Full Day)

NRCS Plant Materials Center & Forest Keeling Nursery

7:30 a.m. – 5:00 p.m.

Fee: \$45

Tour the best of two plant material facilities located next to each other on the bluff of the Mississippi River Bottom lands. Family owned Forest Keeling Nursery is the originator of the RPM (root production method) technology. Keeling works closely with conservation and private organization to create solutions to local and global resource problems such as wetland restoration, reforestation in China, and costal restoration after Hurricane Katrina. Rain Garden, Oak Tree Improvement Wildflower production and more.



For more than 70 years, the Elsberry Plant Materials Center (PMC) has selected plants and developed new planting technologies for areas of three central states. The PMC has released over 80 improved conservation plants and developed new technologies for plant establishment. Tour includes Garden & High Tunnel Demonstration, Native Forbs for Pollinators, Seed Processing, and more. (Lunch Included)

Tour #2 (3/4 Day)

Cahokia Mounds State Historic Site

7:30 a.m. – 1:00 p.m.

Fee: \$25

Centuries before Columbus, a powerful culture arose on the flood plains of the Mississippi. A sophisticated city of 20,000 inhabitants was built and influenced culture from the Gulf to Canada. We will visit the Interpretive Center and Museum, and take 2-3 walking tours to visit the mounds, stockade, woodhenge, and the central palisade. (Lunch Included)

Tour #3 (Full Day)

City Seeds/McMurphy's Grill/Alberici LEED Certified Building

8:30 a.m. – 3:30 p.m.

Fee: \$30

Fostering self sufficiency through production and distribution of locally grown fresh food for low-income families is part of the mission of City Seeds Urban Farm located in downtown St. Louis. This garden is tended by St. Patrick Center clients overcoming homelessness, drug addiction, and coping with mental illness. Lunch will be ordered from the menu at McMurphy's Grill, a job training program of the St. Patrick Center. After lunch, tour the Alberici Corporation St. Louis headquarters. This building is a model of sustainable design and construction, locally and nationally, by achieving LEED platinum certification. This building includes recycled materials, storm water runoff management, and native landscaping. (Lunch on own at McMurphy's Grill)

Tour #4 (Full Day)

National State Park Confluence Point State Park

7:30 a.m. – 3:00 p.m.

Fee: \$30

Begin this tour by going inside the Melvin Price Lock and Dam for below the river information. The natural ecosystem of the Mississippi River and how humans interact with it is a major theme of the museum. The mechanics of the river, how soil is made, erosion, various plants and wildlife species, and how working models of the river help scientist make decisions affecting the river are explained. Lunch at picnic shelter in the Riverlands demo area. Afternoon: Lewis and Clark began their journey up the river at the confluence of the two great rivers of North America — the Mississippi and Missouri. Visitors can watch as the Big Muddy and Mighty Mississippi merge into one at Confluence Point State park. The role that both rivers played in the Lewis and Clark Expedition and the history of the rivers are interpreted at the park in outdoor exhibits. A short interpretive trail will take you to the actual confluence point. (Lunch Included)



Tour #5 (Full Day)

Missouri Botanical Gardens

8:30 a.m. – 3:00 p.m.

Fee: \$25

The Missouri Botanical Garden is the nation's oldest botanical garden in continuous operation and a National Historic Landmark. The Garden is a center for botanical research and science education as well as an oasis in the city of St. Louis. It covers 79 acres and has 150 exhibits, including a 14 acre Japanese strolling garden, Henry Shaw's original 1850 estate home, and one of the world's largest collections of rare and endangered orchids. Lunch will be in the Sassafras café, first "Certified Green" restaurant in Missouri. (Lunch Included)

Tour #6 (Full day)

Riverlands Bird Sanctuary and Wetland Restoration

7:30 a.m. – 3:30 p.m.

Fee: \$35

The Riverlands Migratory Bird Sanctuary encompasses 3,700 acres, including a 1,200 acres wetland/prairie project. Designed as a flow-through wetland, this area hosts abundant waterfowl, shorebirds, and raptors.



US Army Corps of Engineers

Lunch will be on site. After lunch, tour private lands Missouri wetland restoration projects completed with combined program efforts (WRP, CRP, EQIP) and coordination among agencies such as NRCS, MDC, FSA and private groups such as Ducks Unlimited. (Lunch Included)

Tour #7 (Half Day)

Henry White Experimental Farms

7:30 a.m. – Noon

Fee: \$15

This farm serves as an outdoor laboratory for research in sustainable agriculture, a system of farming that emphasizes profitability and natural resource protection. Research includes cropland cover crops and tillage systems that balance resource concerns and profitability, 4.3 acres of native prairie plants, 6.3 acres of wetlands and aquatic agriculture, deciduous and evergreen woodlands. (Snack included)

Technical & Leadership Workshops

The professional development workshops held in conjunction with the SWCS international conference will be eligible for continuing education credits from various certifying organizations. Registration fees vary. If you are requesting CEUs for the meeting, please be sure to designate the certifying organization on your registration form. Late fees for workshops apply beginning on June 3.

Saturday

2010 SWCS Conservation Leadership Development Workshop – 9 a.m. to 5 p.m. Fee: \$65 (\$75 late). Lunch and breaks provided in workshop fee.

The Leadership Workshop is designed to provide conservation professionals with tools to improve the function and capacity of their chapters. This year's workshop has something for everyone, whether you are a new chapter officer or committee chair, or someone who has been around a while! The workshop will feature two breakout sessions:

1. **The Basics of Chapter Leadership session is for the new board member.** Whether you have a year under your belt or are taking a new position on the board, this session will prepare you to lead more confidently. Some of the topics include Why A Society – the history and future of SWCS, the importance of budgeting and planning, running a successful meeting using parliamentary procedure, leader roles, and examples of annual activities.
2. **The Board Capacity Development session is for the advanced board member.** In today's economic and regulatory environment, the expectations and responsibilities of board members are more important than ever. This class will focus on the best policies and practices for attracting diverse board members and improving board function. In addition, expectations for the board as the governing body of the organization (especially those articulated by the IRS) will be discussed and distilled down to an action plan for nonprofit organizations. This session will help you position your board of directors to be the best possible asset of, and governing body for, your organization.

We are also bringing back the popular panel discussion where you'll hear from award winning chapters from across the country on topics such as how to rejuvenate your chapter, creative fundraising, and the art of collaboration and partnership building. Is your chapter capitalizing on the green movement by holding "green meetings"? If not, come and learn how to easily employ some of these methods into your chapter's activities. A highlight of the workshop for all attendees is the opportunity to meet and hear from SWCS leadership and headquarters staff.

Presenters will include subject matter experts and award winning chapters. Dan Sise, an instructor with the Nonprofit Management and Leadership Program at the University of Missouri will be the presenter for the advanced board development session.

Sunday

Technical Workshops – 1:30 p.m. to 4:00 p.m. Sunday Afternoon Workshop fees: \$25 (\$45/late)

1. Start Connecting With Absentee Landowners

Do you consider sales and marketing to be part of your job description? Whether we like it or not, many of us are in the business of "selling" conservation. Just like selling cars or windows, selling conservation requires hard work, numerous contacts, and a thoughtful, targeted approach. This is especially true when targeting a new audience.

Presently, over 40 percent of our nation's agricultural landowners do not operate the land they own and are considered "absentee". Nowhere is effective communication and "sales" more needed than with this growing number of absentee landowners. There is a clear need to help absentee landowners understand and implement natural resources conservation on their land. Yet, conservationists across the nation are ill-equipped to address their needs for information, education, and assistance.

Agren, Inc. has initiated multicontact, multimedia direct marketing campaigns to absentee landowners throughout the central United States since 2006. Through this fun, fast-paced, and interactive workshop, Tom Buman and Jamie Ridgely will discuss the potential conservation opportunity this audience holds, share the highlights of what they've learned, and provide you tools to improve your landowner outreach program.

Instructors: Tom Buman & Jamie Ridgely, Agren, Inc.

2. ESD 101 - How to Build an Ecological Site Description

Ecological Site Descriptions (ESD) are one of the emerging 21st century environmental technologies. Similar to early soil survey, when there were few soil scientists proficient at mapping and describing soil properties, there are limited numbers of soil and vegetation specialist with ESD knowledge and experience. This workshop will focus on ESD basics and the resulting State and Transition Models for a sample ecological site. State and Transition Models can assist land managers in identifying where they are today, where they can go based on goals and objectives, and how to get there. Ecological site descriptions create a foundation that support land management decisions. Topics to be covered include: Overview of Ecological Sites; What makes up a Ecological Site Description; How do Forage Suitability Groups and Forests Fit In?; and Building an Ecological Site Description

Instructors: Homer Sanchez & Cheryl Simmons, USDA-NRCS

3. Tellin' Ain't Sellin' (Marketing Conservation Programs for Field Staff)

The workshop, targeted for field staff, will be an interactive workshop with a number of activities designed to teach the following topics:

- The mindset for selling
- Fundamental skills for selling
- Questioning and listening skills
- Dealing with customer attitudes
- Features vs. Benefits
- Closing the sale
- The human side of selling

Instructor: Roger Montague, Sales Training Manager, Bayer CropScience LP

4. Communicating Your Science (aka How to be a Human)

Quick! You have 30 seconds to tell your neighbor why your work is meaningful and relevant. Can you do it? The How to be a Human workshop will provide you with a template for creating a clear message about your science regardless of the medium. Learn how to apply the method to poster presentations, seminars, one-on-one conversations, media interviews, and any other venue where you are called on to communicate with other people. Participants will leave already applying these principles to their current work.

Instructors: Kendall Lamkey and Tyler Teske, Department of Agronomy, Iowa State University

Wednesday

Workshop – 8:30 a.m. to 4:30 p.m. Carbon Markets – Expanding Opportunities Fee: \$75 if registered for the conference; \$125 if not.

The National Wildlife Federation and the Soil and Water Conservation Society will host a one-day symposium in conjunction with the SWCS annual meeting in St. Louis, Missouri, on Wednesday, July 21, 2010. This symposium will focus on the opportunities created by the anticipated expansion of markets for land-based greenhouse gas mitigation activities. Specifically, the symposium will focus on two aspects of the anticipated carbon market:

1. Innovative new practices and systems that could be developed into saleable agriculture-related carbon offsets. We would seek presentations that explore potential offset activities beyond no-till agriculture and that present anticipated credit generation potential, measurement and verification protocols, etc.
2. Co-benefits to wildlife, soil, and water resources of measures designed to store carbon or reduce greenhouse gas emissions, and policy proposals to incent such co-benefits in the implementation of a carbon offset market. Presentations could focus on the quantification, design, or incentives for co-benefits of carbon offset practices.

The symposium will come at a time of heightened attention to state, federal, and international efforts to reduce global warming and can help inform the debate with regard to carbon sequestration and related benefits.



Symposia Sessions

Adaptive Management of Conservation Efforts

- Adaptive Management: A How-To Guide and the USDA NRCS Code 590 Standard
- Ecosystem Services: The Significance of Contributions by Invasive Plant Species

Conservation and Environmental Policy and Program Design

- Conservation Marketplace of Minnesota, a Regional Approach to Ecosystem Service Markets
- Revisiting the 2008 Floods: What, if anything, is being done?

Conservation in Urban Settings

- Quantifying soil and water conservation benefits through the Sustainable Sites Initiative

Conservation Outreach and Education

- Bioenergy Generation and Environmental Sustainability: Development of Extension Training Programs and Community Decision-Making Support Tools
- Great Lakes Regional Conservation Professional Training Program – Lessons Learned from Implementing a Partner Led Multi-state and Multi-agency Training Effort

Conservation Tools and Technologies

- Assessing future ecosystem services provided by conservation practices
- Ecological Site Descriptions – A Tool to Understanding Ecosystem Dynamics
- EPA's Ecosystem Services Research Program
- The Stewardship Index for Specialty Crops: Piloting Supply Chain Sustainability Metrics
- What to Expect When Your State Acquires LiDAR

Fish, Wildlife, and Biodiversity Conservation

- Conservation of Pollinator Habitat: Sustaining A Vital Ecosystem Service
- Wildlife Benefits of the Farm Bill: More Insights from the CEAP Wildlife Component

Soil Resource Management and Conservation

- Climate Change And Soil Carbon Management
- Conservation Practices to Mitigate the Effects of Climate Change
- Modeling Conservation Practice Effects

Water Resources and Management

- A Comparison of Three Case Studies in Nutrient Trading

Schedule for Symposia Sessions and Oral Presentations

Ninety minute symposia and concurrent sessions will take place on Monday and Tuesday at 10:30 a.m., 1:30 p.m., and 3:30 p.m. Specific presentation times will be announced in June.

Oral Presentations

Adaptive Management of Conservation Efforts

- From Mudflow Prevention to Ecosystem Services Development
- How Farmers Adapt to Structural and Regional Shifts Induced by Climate Change
- Reducing Nitrogen at a River Basin Scale: The Neuse Experience

Conservation and Environmental Policy and Program Design

- A Conservation Industry for Sustaining Natural Capital and Ecosystem Services in Agricultural Landscapes
- Agricultural Nonpoint Source Pollution: Agenda for the Future
- Assessment and Valuation of Ecosystem Services of Lowland Rice Agroecosystems in Echague, Isabela, Philippines
- Conservation Marketplace of Minnesota: Addressing Critical Questions in the Development of a Strong Ecosystem Services Market Framework
- Eco-system Services and Carbon Markets: Potential Pathways for Agricultural Development, Climate Adaptation and Mitigation
- Evaluating the Economic Benefits of Interstate Nutrient Trading in the Chesapeake Bay
- Evaluating the Feasibility of Interstate Nutrient Trading in the Mississippi River Basin to Reduce Hypoxia in the Gulf of Mexico
- Farmers' Perception about Ecosystems Services and Pasture Based Milk Production
- Hugh Hammond Bennett and the Creation of the Soil Conservation Service
- On the Relationship Between ESA Landowner Assurances Tools and the Creation of Markets
- Payments for Ecosystem Services and Agroecology in Brazil's Subtropical Atlantic Forest
- Principles for Stacking Payments for Ecosystem Services
- Regulating farmers: A Three-State Case Study of Nutrient Management Laws on the Delmarva Peninsula
- Selling Ecosystem Services as Public Goods to Consumer-Beneficiaries: An Auction Experiment on Restoration of Sea Grass and Bird Habitat in Virginia Coastal Reserve
- Simulation of Wetland Nitrogen Removal at the Watershed Scale Using AnnAGNPS
- Soybean Economic Opportunity and Cost Incentives for Environmental Management Adjustments to Herbicide Programs
- Speculative Benefits: The Role of Ecological Services in Public Policy Debates, The Case of the USDA Small Watershed Program
- Stacking Ecosystem Services in Reconnected Floodplains: Linking Socioeconomic and Biophysical Analysis to Improve Floodplain Management
- Sustainability of Payment for Watershed Service Implementation: Case Study of Cidanau Watershed, Banten Indonesia
- Targeting Watershed Work at Multiple Scales: From Lake Itasca to the Gulf, by way of Iowa's Boone River
- The Role of Carbon Markets in Agriculture and Forestry

Conservation Outreach and Education

- More People More Trees: Environmental Recovery in Africa
- Applications of Ecosystem Services Payments in Forest Conservation Outreach
- Assessing Direct Seed Adoption in the Pacific Northwest
- Conservation Videos - Animation Showing Real Problems
- Factors Affecting Adoption of BMPs for Animal Manure Management
- Forest Cooperatives: Community-Based Partners for Increasing Participation in Forest Conservation
- Illustrating Soil and Water Conservation to Undergraduate Students by Building a Water Quality Structure-a Rain Garden
- Invasive Plant Species Control Through a CWMA

Conservation Tools and Technologies

- Agricultural BMPs and Ecosystem Services in Beasley Lake, a CEAP Watershed
- APEX Model Simulation of Runoff and Sediment Losses from Grazed Pasture Watersheds with Agroforestry Buffers
- Assessment of Herbicide Transport in Central Missouri Watersheds Using a Process-Based Index Model
- Chesapeake Bay Executive Order Section 502 Guidance
- Conservation Transaction Plug-in for NRCS Conservation Delivery
- Decision Support for the 21st Century - Conservation of Drastically Disturbed Military Lands
- Delineation of Critical Areas and Developing Best Management Scenarios for a Field Using Simulation Model APEX
- Economic and Efficacy Analysis of Brush and Weed Management Practices in Texas and New Mexico Using the Pestman Decision Support System.
- EcoPayPack: A Tool for Advancing Conservation
- Examining Trends and Influences in Adoption of Best Niroegn Management Practices to Improve Nitrogen Fertilizer Use Efficiency in the United States
- Geospatial Evaluation of Riparian Buffer Effectiveness for Watershed Management
- Identification and Management of Critical Fields for a Claypan Watershed
- Improving Decision Making Related to Performance and Sustainable Management of Conservation Buffers
- Incorporating the Ecosystems Services Concept into On-Farm Decision-Making Processes
- Information Centric Natural Resource Management
- LiDAR for Engineering Projects - Evaluating Appropriate Use
- Multiple Criteria Evaluation of Conservation Buffer Placement Strategies in Watersheds
- Nitrogen and Phosphorus Saved by NRCS Conservation Practices
- Practice Standard Development Using Co-Grazing with Small Ruminants
- Propagation and Agronomic Seed Increase of Native Sedges (Carex spp.)
- Rangeland Monitoring for Management and Market Development of Carbon and Water Sequestration
- Relative Soil Improvement Index: A Promising Estimator for Effects of Land Uses On Soil Chemical Properties in Highly Populated Agricultural Landscapes
- Representation of Agricultural Conservation Practices at the Watershed Scale Using AgES-WS
- Soil and Water Quality with Tall Fescue Management in the Southern Piedmont
- Supporting Ecosystem Services through Management of Soil Water Repellency to Optimize Soil and Water Productivity
- Updating Extreme Rainfall Intensity Duration Curves in the Northeast for Runoff Prediction
- Using GIS Models to Identify Relative Nitrogen Attenuation by Riparian Buffers in the Coastal Plain of North Carolina

Fish, Wildlife, and Biodiversity Conservation

- Acute Ecotoxicity of Water and Ethanolic Extract of Leaves of Khaya Senegalensis on Chironomid Larvae
- Biological Diversity on Working Lands, Implications for the Conservation of Ecosystem Processes
- Estimates of the Wildlife Value of Rice Fields in Southwestern Louisiana
- Understanding Water and Nutrient Processing to Guide Restoration and Management of a Highly Diverse Floodplain Savanna Remnant in Iowa's Lower Cedar River Valley

Soil Resource Assessment

- Assessing Ecosystem Services Using the National Resources Inventory (NRI)
- Controlled Wheel Traffic and Its Impacts on Soil Structural and Hydraulic Properties Under No-Till
- Determining Soil Quality Index as a Framework of Sustainable Land Management: Oxisols and Ultisols Case Study
- Relationships between Sorption of Pesticides in Tropical Soils and their Physicochemical Properties after Soil Vinasse Amendment
- Saturated Hydraulic Conductivity of Surface Seals Estimated from CT-measured Porosity
- Streambank Erosion Rates in Two Watersheds of the Central Claypan Region

Soil Resource Management and Conservation

- A Review of the Remediation Techniques Used for Soils Contaminated with Pesticides
- APEX Simulations of Productivity for 9 Cropping Systems over 19 Years in 3 Claypan Landscape Positions
- Assessment of Soil Conservation strategies in Upland Agriculture: Interdisciplinary Case Atudy in Tat Hamlet, Da Bac District, Hoa Binh Province, Northern Vietnam
- Clay Deposits as a Soil Conditioner in Arid Calcareous Sandy Soils of Saudi Arabia
- Innovation of Sandculture in Sandy Coastal Land of Bugel Yogyakarta: The Applications of Rice-straw Mulch and Watering Volumes on Manipulated Sandy Soil
- Integrated Assessment of CRP Impacts by Combining a Fuzzy Optimal Model with a Fully Distributed Hydrological Model
- Simulated Forest Biofuel Harvest Decreases Soil Carbon and Nitrogen Pools
- Soil Nutrient Management on Grazed Dairy Farms
- Soil Quality Changes After Topsoil Addition to Eroded Land
- Surface Mine Reclamation using Excess Poultry Manure for the Production of Biomass Energy Crops
- The Development and Application of the Temporal-Spatial Planning Model for the Soil Control Practices in Reservoir Watershed
- The Study of Carbon Dioxide (CO₂) Emission in Tropical Peatland Kalimantan: The Roles of Perennial Plant, Seasonal Crops, and Soil.
- Water, Nutrient, and Tillage Management to Optimize Benefits for Crops Grown in the South Tobacco Creek Watershed in Manitoba

Water Resources and Management

- AGWA Application to Assess Surface Water Availability of the San Pedro Watershed
- Assessing Stormwater and Agricultural Best Management Practices in Suburban Watershed Restoration
- CSREES-CEAP Synthesis: Preliminary Lessons on Protecting Water Quality
- Development of a Methodology to Quantify Ecosystem Services Using Landscape Models
- Groundwater Protection: Sustainability in the Face of Development
- Linking Ecosystem Services to State and Transition Models on Western Rangelands
- Loss of Phosphorus by Runoff from Watersheds in Lost River Basin, West Virginia.
- Maximizing Ecosystem Services Through Design Features of Constructed/Enhanced Wetlands
- Nitrates in Groundwater, A Forty Year Northwest Missouri Assessment
- Prioritization of Locations for BMPs to Maximize Water Quantity and Quality Benefits in the Paw Paw River Watershed, Michigan.
- Public Preferences for Watershed Management Programs in Blackstone River Watershed, Rhode Island, USA: An Application of Contingent Choice Method
- Reducing Leachate Pollutants and Solids by a Membrane Bioreactor and Nano-Magnetic Separation Process
- Soil Physical Properties at Penn State's Living Filter - Lessons Learned from 40 Years of Wastewater Irrigation
- SWAT Model Application to Assess Nitrogen loadings from the Kaskaskia River Basin in Illinois
- Volunteer Partnerships to Improve Water Quality

Accommodations/Getting There



1 South Broadway, Saint Louis, Missouri
www.stlouisballpark.hilton.com

The Hilton St. Louis at the Ballpark hotel is the destination that connects you with an innovative guest experience. Walk outside the door and you are just steps away from the Busch Stadium - home of the St. Louis Cardinals, the Gateway Arch, the Riverfront, restaurants, and all of St. Louis' major attractions.

This Hilton St. Louis hotel is a masterful architectural design with soaring lobby, spectacular city views, stylish accommodations, luxurious facilities, oversized, state-of-the-art business center, concierge amenities, and a first-rate array of food and beverage venues, including Market Street Bistro, Imo's Pizzeria, Mike Shannon's Steakhouse, Starbucks®, and outdoor patios with spectacular views of the downtown skyline.

SWCS Room block: \$110/per night (plus taxes and hotel fees)— this is the federal per diem rate for St. Louis. Individual reservations can be made online through the link on the SWCS website or by phone at: 1-877-845-7354. Please reference the Soil and Water Conservation Society 2010 International Conference.

The cut-off date for rooms in the block is June 16, 2010. Reservations received after the cut-off date will be based on availability and will be at prevailing rates.

Please Stay at the Hilton!!

The 2010 Conference is a full program, and all of the educational sessions, symposia, networking, receptions, and workshops take place at the hotel (or across the street at the ballpark). By staying at the conference hotel, you will have a better overall conference experience, easy access to events throughout the day, the option of returning to your room during breaks, relaxing at evening receptions, and lots of soft seating areas for networking with other attendees during the week.

For conference attendees in the SWCS Room Block, complementary internet will be provided in the sleeping rooms at the Hilton at the Ballpark. This is a special addition for this year!

Every room in the SWCS Block is at the federal per diem rate (\$110). The Society has guaranteed this block of rooms which, if unfilled, will require us to reimburse the hotel if they are unused. Reimbursement to the hotel this year will mean higher registration fees for next year.

Directions to the Hilton

Driving directions and maps are available on the SWCS website.

From: Lambert-St. Louis International Airport

Distance from hotel: 14 mi.

Drive time: 15 min.

Directions: Take I-70 East to Memorial Dr./Broadway Exit. Go 10 blocks and the hotel is on the right.

Transportation to and from the Airport

Type	Typical Minimum Charge
Limousine	55.00 USD
Super Shuttle	27.00 USD
Rental Car	Enterprise Rent-a-Car (location at airport and inside hotel)
Subway/Rail (MetroLink)	3.00 USD
Taxi	35.00 USD

Hilton Parking Rates

\$18 for overnight valet parking (regular \$24)

\$14 for overnight self parking

SWCS proudly recognizes its Gold and Silver Corporate Members.

Agri Drain
CORPORATION



The Nature Conservancy
SAVING THE LAST GREAT PLACES ON EARTH

Registration Information

The conference registration fee covers one participant. Please use the appropriate area on the registration form to purchase additional tickets for guests to attend the Welcome Reception or other special events. Register online at www.swcs.org or return the completed registration form along with the appropriate fees to:

Soil and Water Conservation Society
ATTN: 2010 Registration
945 SW Ankeny Rd.
Ankeny, IA 50023
or fax to (515) 289-1227

Questions? Call 1-800-THE SOIL (843-7645) or email events@swcs.org

Payments for conference fees, tours, meal functions, and activities must accompany registration and will be accepted in U.S. funds only – credit card (MasterCard, VISA, or American Express) or check. Cancellation of conference registration, tours, meal functions, or activities must be received in writing no later than June 2, 2010 to receive a full refund.

Cancellations received in writing June 3 through July 7 are subject to a processing fee of \$75 per registration. No refunds will be made for conference registrations, workshops, tours, meal functions, or activities after July 2, 2010. This policy will be followed due to commitments made to service providers.



Special Needs

Please indicate on the registration form any physical or dietary special needs. The Soil and Water Conservation Society is committed to meeting the needs of persons covered by the Americans With Disabilities Act.

Tickets, Workshops, Tours, Meals

Tours, special meal functions, and workshops will be handled on a reserved ticket basis only and must accompany a conference registration. Fees for these functions should be added to the conference registration. Tickets will be sold at the conference based on availability, but it is best to purchase as early as possible to guarantee participation. Tours, special meal functions, and workshops may be cancelled without sufficient participation. Refunds for cancelled activities will be given after the conclusion of the annual conference.

All tours organized by SWCS are subject to minimum and maximum capacity controls. SWCS reserves the right to cancel if minimum registrations are not reached or for other reasons beyond our control. Maximums may also be adjusted, so reserve your space early. If a tour is cancelled or tour minimums are not met, the options will be to exchange the ticket(s) for another tour or take a full refund.



Exhibit/Sponsorship Opportunities

Increase Your Conference Visibility. Be a Sponsor!

Sponsors are vital to ensuring the success of the SWCS Annual Conference. Allow us to help you increase exposure and heighten awareness of your organization with our audience of conservation professionals. Sponsor levels are: Platinum (\$2,000+), Gold (\$1,000+), Silver (\$500+) and Bronze (\$250+). Benefits vary.

Buy an Exhibit Booth, Get Two Registrations

If you're sending two or more people to the conference, have you considered showcasing your agency's successes or your company or organization's products, services or programs in the conference Exhibit Hall? Exhibitors receive recognition in the conference program, two full registrations, and booth space -- all for \$850.

Just a Table

If you're already planning on attending, but would like some extra space to showcase the success of your agency, project, or program at the conference, you can reserve a tabletop space in the exhibit hall for just \$100. Tables for SWCS Chapters are just \$50.

Break Sponsorship

Each day there will be two hosted coffee breaks for all registered attendees. Get additional exposure and recognition in the conference program, on the conference website, and on the buffet table at the conference, by sponsoring one or more of these breaks. Cost to sponsor a break is only \$1,500.

More information for exhibitors and sponsors is available online at www.swcs.org

Events, Meetings & Luncheons

State of the Society / House of Delegates / Town Hall Meeting Sunday, July 18 – Noon

The annual SWCS State of the Society meeting will include President Gary Steinhardt's State of the Society address, the House of Delegates session, and a Town Hall Meeting. The delegate session and State of the Society are open to all SWCS conference attendees. The town hall meeting will provide conference attendees the opportunity to share their views with the SWCS Board of Directors on the following topic:

Energy, water, and global climate change will drive research and environmental programs over the next century. This will largely determine what we hand off to our sons and daughters. We are heading into a time period that is comparable in significance to the Great Dust Bowl. What do you believe the appropriate role for the Society is with respect to these issues?

Student Members Information Session and Discussion

Sunday, July 18 – 1:30 p.m.

Join your student colleagues and Colby Moorberg, Student Director for the SWCS board, for a conversation with a panel of guest speakers from various conservation disciplines. Speakers will provide information about each of their respective agencies and disciplines during the interactive discussion. They will also give advice on how you can match your education to the needs of the conservation industry.

Following the panel, attendees will have a roundtable session focused on student chapter membership and activities, how to start a student chapter, professional networking and more. Attendance is encouraged for student members, student chapter advisors, and those wishing to start a new student chapter.

New Members/First Timers Orientation

Sunday, July 18 – 6:00 p.m.

If you are a new member or are attending the Soil and Water Conservation Society annual conference for the first time, be sure to attend this orientation. This is a great opportunity to meet others and discuss the conference with a few "experienced" board members and others about sessions, schedules, symposia, and networking opportunities.

Welcome Reception in Exhibit Hall with Poster Presentations

Sunday, July 18 – 6:30 p.m.

Don't miss this exciting networking event. You will have an opportunity to make connections with potential business associates and reconnect with your colleagues; meet vendors showcasing their newest technology and products as well as visit with the authors who will be present with their posters.

4th Annual Conservation Innovation Grants Showcase

In an effort to provide information on cutting-edge conservation projects, NRCS, in conjunction with the Soil and Water Conservation Society, will once again host a



Conservation Innovation Grants (CIG) Showcase. These presentations will occur throughout the conference. As part of the Environmental Quality Incentive Program, Conservation Innovation Grants are intended to stimulate the development and adoption of innovative conservation approaches and technologies through pilot projects and field trials. The projects and field trials are made possible by awarding competitive grants to State and local governments, non-governmental organizations, Tribes, or individuals. The CIG Showcase presents an opportunity to learn about projects from across the United States that have made significant contributions to the body of knowledge and experience needed to efficiently and effectively address resource concerns. Oral and poster presentations for the CIG Showcase to be announced soon.

For more information on the Conservation Innovation Grants Program, contact Gregorio Cruz, CIG Program Manager, USDA Natural Resources Conservation Service, 202-720-2335, or gregorio.cruz@wdc.usda.gov

Regional Roundtable Lunches

Monday, July 20 – Noon

Once again, all regional roundtable lunches will be held concurrently from Noon to 1:30 p.m. on Monday of the conference. Come join your colleagues for this roundtable discussion of local events and issues regarding your region. You may purchase tickets for you and any guests you wish to bring to this lunch on the registration form.

Networking/Social Night:

Cardinals vs. Phillies

Monday, July 19

Tailgate: 5:30 p.m., sponsored by EnviroCert International, Inc.

First pitch: 7:05 p.m.

Tickets for the game and the tailgate are \$40 (\$50 after June 2).



The new Busch Stadium is across the street and will have just served as host for the 80th MLB All-Star Game in July 2010! Your ticket to the game includes food and drink (cash bar available) at the SWCS Tailgate in the parking lot between the stadium and the hotel. Tickets to the game are not included in your conference registration fee. There is no limit to the number of tickets you may purchase for yourself, your friends, and family. Purchase early to guarantee a ticket.



EnviroCert
International, Inc.

Awards Luncheon

Tuesday, July 20 – Noon

Awards Luncheon Tickets: \$45 early/ \$55 after June 2.

The Awards Luncheon will be held on Tuesday, July 20, beginning at noon. All Conference attendees are encouraged to attend the Awards luncheon. Luncheon tickets are not included in the registration fee. These tickets may be purchased separately on the registration form or onsite, if available.

65/75 Anniversary Dinner

Tuesday, July 20 – 6:00 p.m.

Tickets: \$42 each, Guests welcome.

Join your colleagues for a dinner celebrating the 75th Anniversary of the Soil Conservation Service/Natural Resources Conservation Service and the 65th SWCS Annual Conference. The program will include a video retrospective of conservation and the agency plus two special guests: Chief David White (2010-Present) and Past-Chief Paul Johnson (1993-1997).

Exam Review Course/Exam: CPESC



Once again, SWCS will host a full-day Certified Professional in Erosion and Sediment Control (CPESC) Exam Review Course and EnviroCert International, Inc. Exams at the Annual Conference. This year, the review course will be held on Sunday, July 18. Exams for any EnviroCert International, Inc. certification program (CPESC, CESSWI, and CPSWQ) will be offered on July 19.

Your registration fee for the session includes a review workbook with essential information for passing an EnviroCert exam. Whether you're taking the exam or just considering becoming certified in the future, this is a great opportunity to review the principles of erosion and sediment control, hydrology, and urban runoff.

Anyone may participate in the review course, but you must have prior approval from EnviroCert to take the exam. You may also register to just take an exam. Please note, a review committee will need 30 days to evaluate your information and confirm your eligibility to sit for the exam.

**For more information about the process, visit www.cpesec.org or contact John Brown, CPESC Program Manager
Phone: 828-655-1600 E-mail: john@cpesc.org**

Register Online at www.swcs.org/10ac

Soil and Water Conservation Society Annual Conference and Exposition

Name (please print)* _____
 Company/Organization _____
 Address* _____
 City/State/Province* _____ Zip/Postal Code* _____ Country* _____
 Phone _____ Fax _____ Email* _____
 Physical or Dietary restrictions? **Yes** **No** If yes, please indicate: _____

* Required



1. Registration Join today! Include a SWCS Conservationist level membership (\$80) and save on registration.

	Early Rate thru June 2	Regular Rate June 3 - July 7	July 8 + and onsite
<input type="radio"/> SWCS Member	<input type="radio"/> \$350.00	<input type="radio"/> \$395.00	<input type="radio"/> \$440.00
<input type="radio"/> Non Member	<input type="radio"/> \$460.00	<input type="radio"/> \$510.00	<input type="radio"/> \$575.00
<input type="radio"/> Register & Join SWCS	<input type="radio"/> \$430.00	<input type="radio"/> \$475.00	<input type="radio"/> \$520.00
<input type="radio"/> Senior (Retired)	<input type="radio"/> \$240.00	<input type="radio"/> \$265.00	<input type="radio"/> \$290.00
Full Time Students (Includes 12-month student membership & electronic copy of <i>Journal</i> .)			
<input type="radio"/> SWCS Member	<input type="radio"/> \$99.00	<input type="radio"/> \$99.00	<input type="radio"/> \$99.00
<input type="radio"/> Student Register & Join	<input type="radio"/> \$124.00	<input type="radio"/> \$124.00	<input type="radio"/> \$124.00
The following events are included with registration. Please indicate your intent to participate			
<input type="radio"/> State of the Society Town Hall Meeting (Sun. noon)	<input type="radio"/> New Members/First Timers Orientation (Sun. 6:00 p.m.)		
<input type="radio"/> Student Member Session (Sun. 1:30 p.m.)	<input type="radio"/> Sunday Evening Welcome Reception (Sun. 6:30 p.m.)		
<input type="radio"/> Fellows Forum (Sun. 4:00 p.m.)			
			Registration Total \$ _____

2. Workshops (late fees apply beginning on June 3)

Saturday			
<input type="radio"/> Conservation Leadership Workshop (Lunch included)		\$65/\$85 late x _____ = \$ _____	
Sunday			
<input type="radio"/> Technical Workshop #1	Start Connecting with Absentee Landowners	} \$25/\$45 late x _____ = \$ _____	
<input type="radio"/> Technical Workshop #2	How to Build an Ecological Site Descriptions		
<input type="radio"/> Technical Workshop #3	Tellin' Aint Sellin'		
<input type="radio"/> Technical Workshop #4	Communicating Your Science		
Wednesday			
<input type="radio"/> Carbon Markets – Expanding Opportunities (\$75 registered for SWCS conference)		\$75 x _____ = \$ _____	
<input type="radio"/> Carbon Markets – Expanding Opportunities (\$125 not registered for conference)		\$125 x _____ = \$ _____	Workshops Total \$ _____

3. EnviroCert International Review Courses and Exams (late fees apply beginning on June 3)

<input type="radio"/> Sunday & Monday 10:30 a.m.	CPECS Review Course and Exam	\$225/\$275 late x _____ = \$ _____	
<input type="radio"/> Monday 1:00 p.m.	CPECS TEST ONLY	\$65/\$85 late x _____ = \$ _____	
<input type="radio"/> Monday 1:00 p.m.	CPSWQ TEST ONLY	\$65/\$85 late x _____ = \$ _____	
<input type="radio"/> Monday 1:00 p.m.	CESSWI TEST ONLY	\$65/\$85 late x _____ = \$ _____	ECI Total \$ _____

4. Outdoor Classroom - Educational Tours (late fees apply beginning on June 3)

<input type="radio"/> Tour #1	NRCS Plant Materials Center & Forest Keeling Nursery (Full Day)	\$45/\$60 late x _____ = \$ _____	
<input type="radio"/> Tour #2	Cahokia Mounds State Historic Site (3/4 Day)	\$25/\$40 late x _____ = \$ _____	
<input type="radio"/> Tour #3	City Seeds/McMurphy's Grill/Alberici LEED Certified Bld (Full Day)	\$30/\$45 late x _____ = \$ _____	
<input type="radio"/> Tour #4	National Great Rivers Museum & Confluence Point State Park (Full Day)	\$30/\$45 late x _____ = \$ _____	
<input type="radio"/> Tour #5	Missouri Botanical Gardens (Full Day)	\$25/\$40 late x _____ = \$ _____	
<input type="radio"/> Tour #6	Riverlands Bird Sanctuary and Wetland Restoration (Full Day)	\$35/\$50 late x _____ = \$ _____	
<input type="radio"/> Tour #7	Henry White Experimental Farms (Half Day)	\$15/\$30 late x _____ = \$ _____	Technical Tours \$ _____

5. Regional Roundtable Lunches (late fees apply beginning on June 3)

All lunches are on Monday – Please indicate the group you plan to join. Guests Welcome

<input type="radio"/> Northern Plains	<input type="radio"/> South Central & Southeastern	<input type="radio"/> East North Central
<input type="radio"/> West North Central	<input type="radio"/> Canadian	<input type="radio"/> Northeastern
<input type="radio"/> Southwestern	<input type="radio"/> Western	
		\$45/\$50 late x _____ = Total Regional Lunches \$ _____

6. Special Events Tickets (late fees apply beginning on June 3) These events (except for the Welcome Reception) are not included with conference registration.

Please purchase tickets for yourself and guests as necessary.

<input type="radio"/> Guest tickets for Welcome Reception	\$5/\$15 late x _____ = \$ _____	
<input type="radio"/> Cardinals Game/Dinner	\$40/\$50 late x _____ = \$ _____	
<input type="radio"/> Awards Lunch	\$45/\$55 late x _____ = \$ _____	
<input type="radio"/> 65/75 Anniversary Dinner	\$42/\$50 late x _____ = \$ _____	Total Special Event \$ _____

Additional Contribution to SWCS Program Development Fund \$ _____

Registration Total \$ _____

Please list the certification organization for which you will be seeking CEUs:

Registration

Register and pay online at:

www.swcs.org OR return completed form and payment to:
Soil and Water Conservation Society
 Attn: 2010 Registration
 945 SW Ankeny Road
 Ankeny, IA 50023
 Fax to 515-289-1227
 email events@swcs.org

Method of Payment

Choose One

Payment must accompany registration.

Check -

All checks should be payable to SWCS

Check (US funds) encl. for

\$ _____ Check # _____

Charge \$ _____

to: MasterCard Visa

American Express

Credit Card Information

(if paying with credit card)

Name on card _____

Card billing address _____

Card # _____

Exp _____

Phone number _____

Signature _____

Poster Presentations

Adaptive Management of Conservation Efforts

- Enhancing ecosystem services by sod-based rotations and crop-livestock integration
- Field Monitoring of Soil Hydrology for Wetland Mitigation in the Blackland Prairie Major Land Resource Area
- Living Snow Fence Payment Calculator: Research and Assess the Farmer and MN-DOT Economic and Environmental Costs and Benefits of Living Snow Fences including carbon impacts
- Reducing Hay Feeding on the Southern Coastal Plain
- Water Quality Impacts of Shifting towards a Corn Dominated Agricultural Watershed

Conservation and Environmental Policy and Program Design

- Implementing Conservation Policy: How Important Is the Agency in Determining Policy Outputs?
- Preparing for a Perfect Storm: Hydroclimate, Bioenergy, and Soil Conservation
- Using the Vested Interest Perspective to Examine Public Involvement in Watershed Management: An Exploratory Factor Analysis

Conservation Outreach and Education

- Factors Affecting the Testing of Manure Transported Off the Farm
- North Central NRCS & IPM Working Group: Grower Incentives for IPM
- Using NRCS Practice Standards to Crosswalk to Organic

Conservation Tools and Technologies

- A GIS Based Decision Support Tool for Assessing Carbon Sequestration and Other Ecosystem Services
- A Web Based System for Providing Ranchers with Financial and Conservation Risk Management Tools
- Ecosystem Services of Narrow Base Terraces: Part 1 of 3 Surface-Water Quality
- Ecosystem Services of Narrow Base Terraces: Part 2 of 3, Biodiversity
- Ecosystem Services of Narrow Base Terraces: Part 3 of 3 Agricultural and Landscape Modeling
- Evaluating Practices to Mitigate Nutrient Transport in a Tile-drained Subwatershed of the Mackinaw River, Illinois
- Herbicide Transport to Surface Runoff on Claypan Soils: Scaling from Plots to Fields
- Near-real time prediction of wildfire risk on grazinglands with the Burning Risk Advisory Support System (BRASS)
- New Tools to Assess Risk of Nitrogen Loss to the Environment
- Switchgrass and Pecan Biochar Amendments to a Sandy Coastal Soil
- The Challenges of Implementing Conservation Tillage and Cover Crops in Clay Soils
- Using Remote Sensing and GIS to Evaluate Riparian Habitat
- Utilizing Mobile Computing Technologies and GIS for Monitoring the Biological Recovery of Streams Remediated for Acid Mine Drainage
- Vegetated Agricultural Drainage Ditches: A New Conservation Practice Utilizing Current Landscape Features

Fish, Wildlife, and Biodiversity Conservation

- Performance of Warm Season Grass in Riparian Zones
- Toxicity of Silicon Carbide Nanowires to Sediment-Dwelling Invertebrates in Water or Sediment Exposures

Soil Resource Assessment

- A Rapid, Cost-Effective, And Greener FDA Method For Soil Quality Analysis
- Assessing Ecosystem Services Using the National Resources Inventory (NRI)
- Emiquon nutrient dynamics: an examination of wetland and former wetland soils following 80+ years of agriculture
- Use of Models in Assessing the Impact of Cropping System, Land Types and Suitability on Land Degradation in SouthWestern Nigeria

Soil Resource Management and Conservation

- Assessment of Grassland Management Methods for Balancing Soil C Sequestration With Native Grass Biomass Production
- Canadian Agri-Environmental Indicators for Nitrogen
- Effects of conservation agriculture on runoff, soil loss reduction and yield under rain fed conditions in Tigray, Northern Ethiopia
- Farm-Level Economic Impact Of No-Till Farming In Western Oklahoma
- Optimum planting date for rye cover crop in Massachusetts: a spatial analysis
- Remediation of Urban and Industrial Soils Contaminated with Pesticides by Supercritical Extraction
- Root Mass of Tillage Radish Grown on a Hardpan Soil
- Yield and Time of Harvest of Tall Wheatgrass for Biomass Energy in New York

Water Resources and Management

- Assessing the effect of land-cover changes on ecosystem services within the White River Watershed of Missouri and Arkansas
- Identifying Source-Pathways of Multiple Contaminants During a Rainfall-Runoff Event in a Tile-Drained Agricultural Watershed
- Pumping Plant Efficiency Testing in Louisiana
- Relationship of Precipitation and Crop Planting Dates to Stream-Measured Atrazine Levels in the NE-KS Blue River Basin Watershed.
- Removing of Arsenic from Water by a Magnetic Stabilized Bed
- Sedimentation and erosion patterns in two 15-year-old created wetlands in central Ohio
- The Aral Sea: A case study on providing clean and safe water in the Aral Sea Region
- The Economics of Culvert Replacement: Fish Passage in Eastern Maine

Posters will be in the Exhibit Hall on Sunday afternoon and all day Monday. Poster presenters are expected to be at their posters during the Sunday evening reception. Poster set up is Sunday afternoon. Poster boards are 4' wide by 8' long.