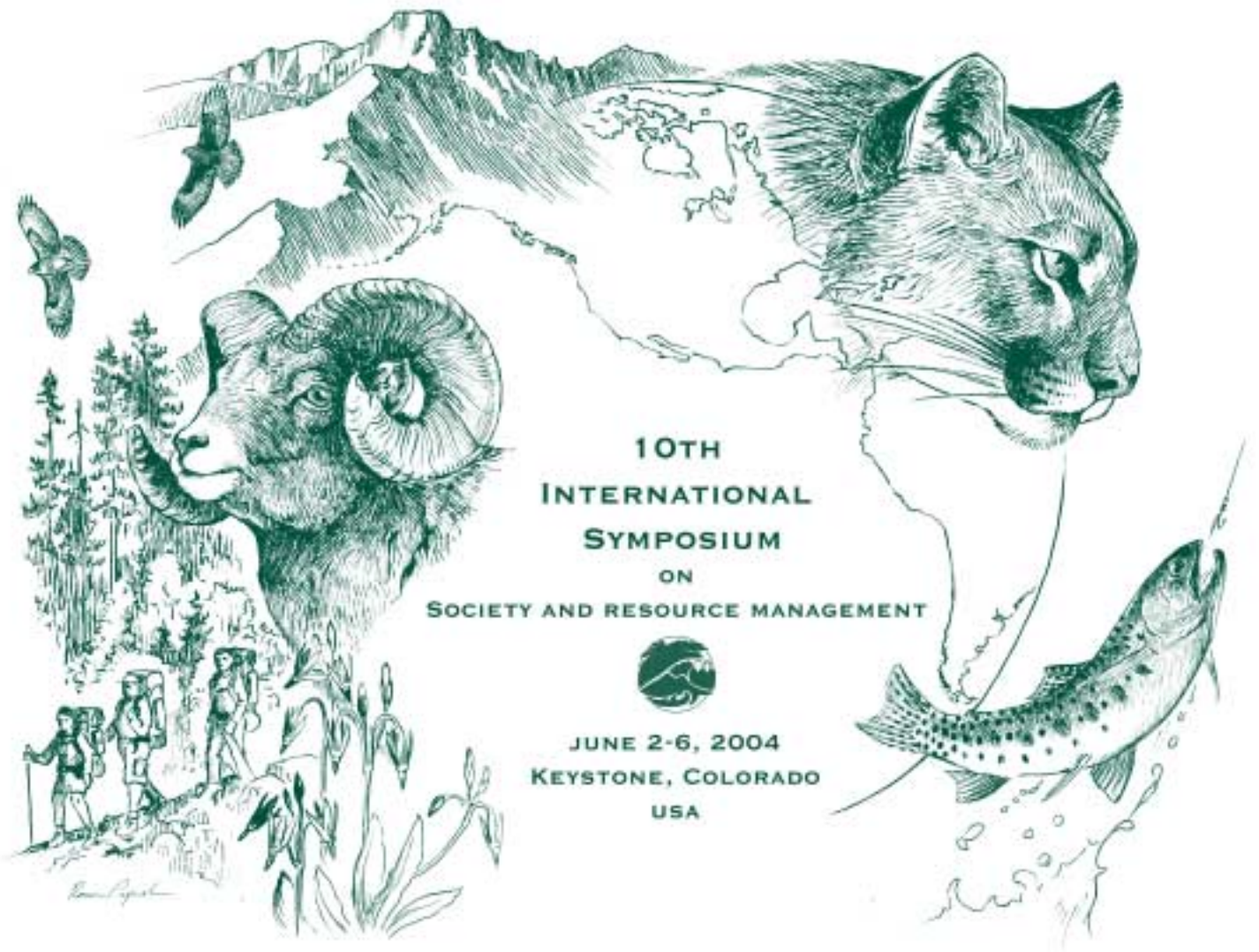


10TH
INTERNATIONAL
SYMPOSIUM
ON
SOCIETY AND RESOURCE MANAGEMENT



JUNE 2-6, 2004
KEYSTONE, COLORADO
USA





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about the host



The 2004 ISSRM is hosted by the *Colorado State University Department of Natural Resource Recreation and Tourism (NRRT)* and its affiliated *Human Dimensions in Natural Resources Unit (HDNRU)* and *Center for Protected Area Management (CPAM)*. Located on the CSU main campus in Fort Collins, Colorado near the foothills of the Rocky Mountains, NRRT's location provides an ideal setting for the study and teaching of natural resource issues.

CSU's HDNRU was established in 1991 by NRRT faculty to draw attention to the importance of examining the human element of natural resource management. The purpose of the Unit is to facilitate awareness and understanding of public values regarding natural resources, improve communication with the public regarding natural resource issues, to facilitate understanding and prediction of social impacts of natural resource decisions, and improve methods of applying human dimensions information in decision-making.

CSU's CPAM was formed to improve our ability to assist protected area professionals in strengthening the management of the world's protected areas and adjacent lands. Its objectives are to provide technical assistance and training to protected area managers and students nationally and internationally and to contribute to the shared knowledge base and network of protected area professionals throughout the world

acknowledgements

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Department of Political Science, Utah State University

Department of Sociology, Social Work and Anthropology, Utah State University

Department of Environment and Society, Utah State University

Utah State University Extension

College of Natural Resources, Utah State University

College of Humanities, Arts and Social Sciences, Utah State University

Western Rural Development Center

USDA Forest Service, Rocky Mountain Research Station

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schedule overview

schedule overview

	Wednesday, June 2	Thursday, June 3	Friday, June 4	Saturday, June 5	Sunday, June 6
8:00	Social Impact Assessment Workshop and Panel Sessions	Plenary Session 2		Plenary Session 3	Business Meetings & Field Trips
8:30					
9:00		Concurrent Sessions 6			
9:30					
10:00	Plenary Session 1	Concurrent Sessions 3		Concurrent Sessions 9	
10:30					
11:00					
11:30	Lunch (on your own)		Catered Lunch		
NOON		Lunch (on your own)		Lunch (on your own)	
12:30		Concurrent Sessions 4	Concurrent Sessions 7		
1:00	Concurrent Sessions 1				
1:30			Concurrent Sessions 10		
2:00					
2:30					
3:00					
3:30	Concurrent Sessions 2	Concurrent Sessions 5	Concurrent Sessions 8		
4:00					
4:30			IASNR Annual Meeting		
5:00					
5:30					
6:00	Welcome Reception				
6:30					
7:00					
7:30		Banquet			
8:00					
8:30					

featured speakers

Charles Jordan
The Conservation Fund
Keynote Speaker
Wednesday, June 2

Charles R. Jordan has devoted more than three decades to the relationship between conservation and quality of life. As Chairman of The Conservation Fund, America's national land trust, he has helped the Fund and its partners to protect more than 3.6 million acres of wildlife habitat, historic sites, green lands, wetlands, and open space. Mr. Jordan has also encouraged The Fund's board to challenge the environmental movement into broadening its agenda to be relevant to a wide-ranging and diverse spectrum of people and communities.



Having served as Director of Parks and Recreation in Austin, Texas from 1984-1989 and in Portland, Oregon from 1989-2003, Mr. Jordan is nationally recognized for his work and life long dedication to ensuring that all people understand that regardless of racial or economic backgrounds, safe outdoor playgrounds are something that every child deserves. Known for his eloquent and inspirational speeches, he has become a leading advocate for a national movement to create more "close to home" outdoor recreation opportunities.

Charles resides in Portland, Oregon with his wife of 35 years, Esther. They are the parents of two and grandparents of a grandson and granddaughter.

Lynn Foden & Moses Njuguna Kanene
African Wildlife Foundation
Keynote Speakers
Thursday, June 3

Lynn Foden began her international career as a Peace Corps Volunteer in the Democratic Republic of the Congo. She also worked with the World Bank conducting studies on popular participation in large scale rural infrastructure projects in Africa. Ms. Foden worked for the Peace Corps as Associate Director in Mali, as Country Director in the Central African Republic and as Special Assistant to the Africa Regional Director. She then spent several years working for private sector companies involved in various infrastructure development projects in Africa. She is currently the Director, Program Technical Design for AWF.



Moses Kanene is one of AWF's lead marketing and enterprise specialists. He has experience facilitating and managing tourism partnerships between landowners and private investors in Africa. He has a vision of much expanded sustainable economic development, bringing multiple investors and marginal communities as equity partners to achieve a triple bottom line of better livelihoods, increased profitability and sustainable conservation management. He came to African Wildlife Foundation in 1998 from business development and marketing experience in different organizations.

Perry Brown
University of Montana
Keynote Speaker
Saturday, June 5

Dr. Brown is Dean and professor, College of Forestry and Conservation, and Director of the Montana Forest and Conservation

Experiment Station, at the University of Montana-Missoula. He has considerable expertise in natural resource social science, policy and planning, in recreation behavior and planning, and in wilderness studies. A life-long westerner, he has served on the faculties of Utah State University, Colorado State University, and Oregon State University. He has served in formal advisory appointments with both the USDA Forest Service and the USDI Bureau of Land Management, including his current leave assignment with the International Programs Office of the USDA Forest Service. He is a Past-President of the National Association of Professional Forestry Schools and Colleges (NAPFSC) and currently is NAPFSC's International Chair. He served as a member of the National Research Council's Committee on Forestry Research Capacity and Chair of the Pinchot Institute's National Panel on Wilderness Stewardship. He is a member of the executive/advisory boards of NAPFSC, the International Union for Forest Research Organizations, the Consortium for International Development (a consortium of 10 western universities), the Center for the Rocky Mountain West, the Western Rural Development Center, the Ecosystem Management Research Institute (a private non-profit research institute), the National Forest Foundation, the National Forest Service Historical Museum, and he chairs the Executive Committee of the Rocky Mountains Cooperative Ecosystem Studies Unit.



suggested activities

Take advantage of the recreation and leisure opportunities during your visit to the Rocky Mountains of Colorado. With its 14,000+ foot mountains, hundreds of miles of rivers and streams, and the amenities of Denver—the United States' 19th largest city—opportunities abound for all interests.

Naturalist Hike, Keystone Science School

Join the Keystone Science School for a hike that will allow you to explore local ecological environments and experience the nature of the Colorado Rockies. The hikes will occur noon–3pm on Sunday June 6, 2004. Please be prepared to spend the day outdoors in the beautiful setting of the Rocky Mountains. The school is situated at an elevation of approximately 9500 feet so bring sunscreen, a water bottle, snacks, sunglasses or a ball cap, appropriate jacket and shoes to enjoy an easy to moderate hike in the natural setting of the Rocky Mountains.

Participants should arrive at the Keystone Science School Campus via the free Keystone Shuttle from your Keystone Property Resort. Please arrive at 11:45am prepared to enjoy a fun and educational exploration of the surrounding area with our staff of professional outdoor educators.

Cost: \$10.00

Please pre-register at the conference before 5pm on Friday, June 5th, in the registration area.



Major League Baseball, The Colorado Rockies



Come join the Colorado Rockies Baseball Club at Coors Field Sunday, June 6, as Todd Helton and the Rockies take on Barry Bonds and the San Francisco Giants. Don't miss the chance to witness the summer excitement of America's favorite pastime in one of the most beautiful ballparks in the country. Tickets can be purchased at Coors Field or by calling 800-388-ROCK.

White Water Rafting & Fly-Fishing, Breckenridge Whitewater

Breckenridge Whitewater offers the highest quality outdoor adventure packages in the Rocky Mountain region. They take pride in providing guests with the best service in the industry and with the best equipment available.

Whether you raft, fish, kayak, or climb with Breckenridge Whitewater, you will benefit from years of experience and from unmatched professionalism. The most dedicated, the most skilled, and the most enthusiastic outdoor professionals anywhere eagerly await your arrival so that they may escort you on the outdoor adventure of a lifetime. Check the ISSRM registration area for additional information about rafting and fly-fishing tours, and to sign-up for a trip during your visit to Summit County, Colorado!



White River National Forest

The Dillon Ranger District is located in the White River National Forest and consists of approximately 312,000 acres within the White River National Forest boundary. It has

numerous opportunities for both summer and winter recreation and has been named the most used recreation Forest in the entire US Forest Service. During the summer there are over 200 miles of hiking trails, 150 miles of mountain bike trails, along with 100 miles of OHV routes. There is one group campground and 14 regular campgrounds in the District, providing 400 campsites for use from late spring to early fall.

In addition, consider renting a bike or pair of roller-blades and ride on the paved bike path that connects Keystone with the rest of Summit County. From the Frisco area you can travel to Breckenridge or all the way to Vail over Vail Pass. To get out and see Summit County up close, go to the Dillon Ranger District office, located in Silverthorne, and pick up one of over 40 hiking or 25 mountain biking trail guides.



7:30AM–5:00PM

Registration

Lobby

8:00–9:30AM

Workshop: Orientation to Social Impact Assessment for Resource Management
Room: Crestone 1

Rabel J. Burdge, Professor of Sociology and Environmental Studies at Western Washington University, will provide a 90-minute orientation to conducting Social Impact Assessment (SIA) for communities faced with resource development activity. Dr. Burdge will demonstrate how participants may use the following resources: *The Concepts, Process and Methods of SIA: Theory, Process and Techniques* and *A Community Guide to Social Impact Assessment*. The workshop will teach participants how to complete SIA within a variety of project and policy settings. Workshop cost is free, but participants must purchase and will receive the three SIA manuals.

Panel Session: Role of Member Checking in Qualitative Social Science Research
Moderator: William McLaughlin
Room: Crestone 3

Christine H. Jackobsen, University of Idaho
Sandra De Urioste Stone, University of Idaho
Anne Marie Lankard Moore, University of Idaho

9:45–11:30AM

Plenary Session

Room: Red Cloud / Shavano

Welcome Remarks:

Michael J. Manfredi, Colorado State University
Joyce Berry, Colorado State University
Rick Newton, Dillon Ranger District, White River National Forest
Franco Mulas, Università di Sassari, Italia
Ignazio Camarda, Università di Sassari, Italia

Keynote:

Charles Jordan, The Conservation Fund

11:30AM–1:00PM

Lunch (on your own)

1:00-3:00PM

Concurrent Sessions (See grid on page 10.)

* Note: the first concurrent session presentations highlight many of the chapters from the recently published book *Society and Natural Resources: A Summary of Knowledge*, which will be released at the 2004 ISSRM. Other chapters will be presented in later sessions.

Society and Natural Resources: A Summary of Knowledge I (W1)*

Moderator: Joanne Vining

Room: Crestone 1

Conservation Psychology
Joanne Vining
Carol D. Saunders

Cultural Diversity and Natural Resource Management
Myron Floyd

A Synthesis of Tourism Research Topics

Joseph T. O'Leary
Xinran You Lehto
Chia-Kuen Cheng
et al

Society and Natural Resources: A Summary of Knowledge II (W2)*

Moderator: Michael J. Manfredi

Room: Crestone 2

Natural Resource Partnerships: Bridging Practice and Science
Steve Selin

Application of the Concepts of Values and Attitudes in Human Dimensions of Natural Resources Research
Mike Manfredi
Tara L. Teel
Alan D. Bright

Human Dimensions of Wildlife Management
Dan Decker
Tommy L. Brown
Jerry J. Vaske
et al

Society and Natural Resources: A Summary of Knowledge III (W3)*

Moderator: Donald R. Field

Room: Crestone 3

Collaborative Resource Management: Discourse-based Approaches and the Evolution of TechnoReg
Steven Daniels
Antony S. Cheng

Wednesday at a Glance

Social Impact Assessment Workshop	8:00
	8:30
	9:00
	9:30
Plenary Session 1	10:00
	10:30
	11:00
Lunch (on your own)	11:30
	NOON
	12:30
Concurrent Sessions 1	1:00
	1:30
	2:00
	2:30
	3:00
Concurrent Sessions 2	3:30
	4:00
	4:30
	5:00
	5:30
Welcome Reception	6:00
	6:30
	7:00
	7:30
	8:00
	8:30

Wednesday, June 2, 1:00–3:00PM	
Society and Natural Resources: A Summary of Knowledge I Crestone 1	Society and Natural Resources: A Summary of Knowledge II Crestone 2
Society and Natural Resources: A Summary of Knowledge III Crestone 3	Society and Natural Resources: A Summary of Knowledge IV Crestone 4

1:00-3:00PM

Concurrent Sessions (continued)

Coming in from the Dark: The Evolution of ISSRM and Social Science Research in Resource Management

Donald R. Field
Perry J. Brown
Rabel J. Burdge

Social Sciences and Natural Resources Management: An Assessment of Advances

George Stankey
Stephen F. McCool

Society and Natural Resources: A Summary of Knowledge IV (W4)*

Moderator: Alan Ewert
Room: Crestone 4

Philosophical Perspectives on Natural Resources: Examining the Past to Understand the Future

Alan Ewert
Bill Stewart

Recreation Planning Frameworks

Robert Manning

The Wildland Urban Interface: Increasing Significance, Complexity, and Contribution

John Dwyer
Sarah McCaffrey

3:00–3:15PM

Break

3:15–5:15PM

Concurrent Sessions (See grid on this page.)

Society and Natural Resources: A Summary of Knowledge V (W5)*

Moderator: Michael J. Manfredo
Room: Crestone 1

The Role of Economics in Managing Natural Resources for Society

John Loomis

Wednesday, June 2, 3:15–5:15PM	
Society and Natural Resources: A Summary of Knowledge V Crestone 1	Society and Natural Resources: A Summary of Knowledge VI Crestone 2
Society and Natural Resources: A Summary of Knowledge VII Crestone 3	Society and Natural Resources: A Summary of Knowledge VIII Crestone 4

Environmental Psychology: Human Responses and Relationships to Natural Landscapes

Daniel Williams

Communication Research in Outdoor Recreation and Natural Resource Management

James D. Absher
Alan D. Bright

Society and Natural Resources: A Summary of Knowledge VI (W6)*

Moderator: Jerry J. Vaske
Room: Crestone 2

Normative Approaches to Natural Resources

Jerry J. Vaske
Doug Whittaker

Social Acceptability in Forest and Range Management

Bruce Shindler
Mark W. Brunson
Kristin Aldred Cheek

Dominant Socioeconomic Forces Shaping the Future of the United States

H. Ken Cordell
John C. Bergstrom
Carter J. Betz
et al

Society and Natural Resources: A Summary of Knowledge VII (W7)*

Moderator: Donald R. Field
Room: Crestone 3

Conflict in Natural Resource Recreation

Alan Graefe
Brijesh Thapa

Human Dimensions of Fisheries

Robert Ditton

Scenic Beauty Research in Society and Natural Resources

Terry Daniel

Society and Natural Resources: A Summary of Knowledge VIII (W8)*

Moderator: Rabel Burdge
Room: Crestone 4

Environmental Impacts of Outdoor Recreation in Wildlands
David Cole

The Concept of Community in Natural Resource Management
A. E. Luloff
Richard S. Krannich
Gene L. Theodori
et al

Social Impact Assessment: Seldom Used & Rarely Understood
Rabel J. Burdge
Vicky Sturtevant

6:00PM

Welcome Reception
Lodge Terrace

thursday, june 3

7:30AM-5:00PM

Registration
Lobby

10:00AM– 6:00PM

Poster Session (See poster titles on page 38.)
Room: Shavano / Crestone Foyer

8:15–9:45AM

Plenary Session
Room: Red Cloud / Shavano

Opening Remarks:
Jerry Vaske, Colorado State University
Donald Field, University of Wisconsin
Suzanne Jones, The Wilderness Society

Keynote:
Lynn Foden & Moses Njuguna Kanene, The African Wildlife Foundation

10:00AM–NOON

Concurrent Sessions (See grid on page 12.)

Human Dimensions of Wildlife (T1)

Moderator: Joe Champ
Room: Crestone 1

The Integration of Human Dimensions with the Environmental Context: A Study of Polar Bear Observers in Churchill, Manitoba
Harvey Lemelin, Lakehead University

Exploring Perceptions of Risk Associated with Human-Bear Conflicts in New York's Adirondack Park: Theory & Practice
Meredith L. Gore, Cornell University
Barbara A. Knuth, Cornell University

Wildlife Tourism and Scientific Research: Can Actor-Network Theory Provide the Link?
Kate Rodger, Murdoch University
Susan A. Moore, Murdoch University
Dick Braithwaite, Murdoch University
et al

Moving Targets: The Social Construction of Himalayan Tahr in New Zealand
Rebecca Bergartt, Lincoln University
Roy Montgomery, Lincoln University

International Park and Protected Area Management, Part I (T2)

Moderator: George Wallace
Room: Crestone 2

Transboundary Protected Areas of Southern Africa and the Role of International Law
Randy J. Tanner, University of Montana

Participatory Rural Appraisal in Senegal: Lessons for NGOs on Natural Resource Management from an Analysis of PRA Reports and Techniques
Molly E. Brown, SSAI, NASA-Goddard Space Flight Center
Bara Gueye, IIED, NASA-Goddard Space Flight Center

Land Restitution and Protected Area Conservation in KwaZulu Natal, South Africa: Settlement Implementation
Laurie Ashley, University of Montana
Wayne Freimund, University of Montana

Public-Private-Partnership Experiences and Challenges at Marakele National Park, South Africa
Xolani N. Funda, Marakele National Park

Co-management- Defining the Phenomenon, or Not
Ryan J. Moore, University of Idaho
William J. McLaughlin, University of Idaho
Sandra De Urioste Stone, University of Idaho

Thursday at a Glance	
	8:00
Plenary Session 2	8:30
	9:00
	9:30
Concurrent Sessions 3	10:00
	10:30
	11:00
	11:30
Lunch (on your own)	NOON
	12:30
	1:00
Concurrent Sessions 4	1:30
	2:00
	2:30
	3:00
Concurrent Sessions 5	3:30
	4:00
	4:30
	5:00
	5:30
	6:00
	6:30
	7:00
Banquet	7:30
	8:00
	8:30
	9:00

10:00AM–NOON

Concurrent Sessions (continued)

Choice Modeling in Natural Resource Research (T3)

Moderator: Wolfgang Haider

Room: Crestone 3

Workshop: An Introduction to Choice Modeling for Social Science Researchers (60 minutes)

Len Hunt, Ontario Ministry of Natural Resources
Wolfgang Haider, Simon Fraser University

Presentation: Using Choice Models to Inform Deer Management: Hunter and Non-hunter Preferences for White-tailed Deer Populations in Michigan

Kristy Wallmo, National Marine Fisheries Service
Frank Lupi, Michigan State University
Ben Peyton, Michigan State University
et al

Resident and Visitor Perspectives on Managing Recreation Trails in Sensitive Wildlife Habitat Around the Town in Jasper National Park, Canada

Wolfgang Haider, Simon Fraser University
Colleen Anderson, Simon Fraser University

Use of a Preference-Feasibility System for Addressing Choice Conflicts in Water Planning

Valeen Silvy, Texas A&M University
Ronald A. Kaiser, Texas A&M University

Private Landowner Perspectives, Part I (T4)

Moderator: Mark Fly

Room: Crestone 4

Understanding Landowner's Practices and Motivations in the Central Hardwoods Region

Sean Huss, University of Tennessee
Mark Fly, University of Tennessee

What is the Climate for Collaboration?: Examining Private Landowner Perspectives

Kenli A. Schaaf, Purdue University
Shorna R. Broussard, Purdue University

Do Fences Really Make Good Neighbors? A Collaborative Ecosystem Stewardship Approach to Private Lands Conservation

Faren Wolter McCord, University of Missouri–Columbia
William B. Kurtz, University of Missouri–Columbia

Land-use Decisions on Nonindustrial Private Forests in Indiana

Amy L. Ross-Davis, Purdue University
Shorna R. Broussard, Purdue University

Thursday, June 3, 10:00AM–NOON

Human Dimensions of Wildlife

International Park and Protected Area Management, Part I

Crestone 1

Crestone 2

Choice Modeling in Natural Resource Research

Private Landowner Perspectives, Part I

Crestone 3

Crestone 4

Social Science and Fire Management, Part I

Chronic Wasting Disease

Torreys 1

Torreys 2

Crowding

Cooperative Research and Knowledge

Torreys 3

Torreys 4

The Wildland Urban Interface

Methods for Communicating with the Public

Castle Peak 1

Castle Peak 2

Monitoring the Effects of Federal Forest Management Policy (Panel)

The Many Faces of Community Research (Panel)

Castle Peak 3

Castle Peak 4

The Issues and Influences of Seasonal Residents

Environmental Behaviors

Shavano Peak

Red Cloud

Social Science and Fire Management, Part I (T5)

Moderator: Patricia Champ

Room: Torreys 1

Advising and Insurance Decisions in the Wildlands Urban Interface: Combining Survey and Experimental Evidence on Wildfire Risk

John Talberth, University of New Mexico
Robert P. Berrens, University of New Mexico
Michael McKee, University of New Mexico

Estimating the Effects of National Forest Wildfire Closures on Recreation Use, Economic Benefits, and Local Economies

Don English, USDA Forest Service
Stan Zarnoch, USDA Forest Service
J. M. Bowker, USDA Forest Service

Comparison of Survey Administration Mode in Determining Public Support and Willingness to Pay for Prescribed Burning in California

John Loomis, Colorado State University
Julie Miller, Colorado State University
Armando Gonzalez-Caban, USDA Forest Service
et al

Factors Affecting Wildland Arson Rates on National Forests of the Western US

Jeffrey P. Prestemon, USDA Forest Service
David T. Butry, USDA Forest Service

Chronic Wasting Disease (T6)

Moderator: Jerry Vaske

Room: Torreys 2

“Scaring the Stuffing out of Hunters”: Wisconsin’s Early Response to the Discovery of Chronic Wasting in Wild Deer
Thomas A. Heberlein, University of Wisconsin–Madison

Chronic Wasting Disease in Wisconsin: Hunter Behavior, Perceived Risk, and Agency Trust

Jerry J. Vaske, Colorado State University
Nicole R. Timmons, Colorado State University
Jay Beaman, Auctor Consulting Associates, Ltd.
Jordan Petchenik, Wisconsin Department of Natural Resources

Understanding Hunters’ Responses to Chronic Wasting Disease: The Potential for Conflict Index

Jerry J. Vaske, Colorado State University
Mark D. Needham, Colorado State University
Michael J. Manfredo, Colorado State University
et al

Mitigating Effects of Chronic Wasting Disease on Deer Hunter Participation in Illinois

Craig A. Miller, Illinois Natural History Survey

Crowding (T7)

Moderator: Peter Newman

Room: Torreys 3

Crowding Norms on the Blue Ridge Parkway: A Tests of Mediating Variables

Megha Budruk, University of Vermont

Land of 10,000 Lakes and 2.3 Million Anglers: Crowding, Conflict, and Coping Among Minnesota Anglers

Sue Schroeder, University of Minnesota
David Fulton, University of Minnesota

The Relationship Between Perceptions of Change, Experience Level, Motivations and Displacement Among Wilderness Mountaineers

Adam Barnett, University of Idaho
Troy Hall, University of Idaho

The Effects of Actual Users on Perceived Crowding and Quality of Experiences in a Marine Park

Yuka Inui, University of Hawaii at Manoa
Samuel V. Lankford, University of Northern Iowa
Kathleen Scholl, University of Northern Iowa
et al

A Focus Group Method for Shared Recreation Management: Bringing Stakeholders to the Table with Managers.

Rob Porter, Ithaca College
Michael Tarrant

Cooperative Research and Knowledge (T8)

Moderator: Sarah Michaels

Room: Torreys 4

Organizational Knowledge Integrity: Fusing Knowledge Management and Systems Thinking to Evaluate Knowledge Management for Watershed Management

Daniel D. P. McCarthy, University of Waterloo
Sarah Michaels, University of Waterloo

Integrating Traditional Ecological Knowledge and Science in the Alaska Beluga Whale Committee

María E. Fernández-Giménez, Colorado State University
Henry P. Huntington, Colorado State University

Social Benefits and Economic Impacts of Cooperative Research to New England Fishing Communities

Joshua Wiersma, University of New Hampshire
Robert Alex Robertson, University of New Hampshire
Troy Hartley, New Hampshire Sea Grant College Program

Cooperative Research and the Management of Marine Fishery Resources in New England: A Comprehensive Assessment

Robert Alex Robertson, University of New Hampshire
Troy Hartley, University of New Hampshire

A Forest Management Conundrum: Do Social and Biophysical Science Mix?

Heidi Bigler Cole, USDA Forest Service

The Wildland Urban Interface (T9)

Moderator: Sarah McCaffrey

Room: Castle Peak 1

Sensitivity Analysis of a Policy-based Definition of the Wildland Urban Interface in the United States

Susan I. Stewart, USDA Forest Service
Roger B. Hammer, University of Wisconsin
Volker C. Radeloff, University of Wisconsin

Influence on Wildfire Risk Mitigation Programs in the Wildland Urban Interface

Margaret A. Reams, Louisiana State University
Cheryl M. Renner, Louisiana State University
Michael W. Wascom, Louisiana State University
et al

10:00AM–NOON

Concurrent Sessions (continued)

Growth of the Wildland Urban Interface in the United States, 1990-2000

Roger B. Hammer, University of Wisconsin
Volker C. Radeloff, University of Wisconsin
Susan I. Stewart, USDA Forest Service

Evacuation Behavior During Wildfires

Patricia J. Cohn, Washington State University
Matthew S. Carroll, Washington State University

The Influence of Wildland-Urban Interface Wildfire Education Programs on Residents' Construction of Identity

Amanda Grau, Virginia Tech
Kevin W. Larkin, USDA Forest Service
Joseph W. Roggenbuck, Virginia Tech

Methods for Communicating with the Public (T10)

Moderator: Taylor Stein

Room: Castle Peak 2

Strategies for Evaluating Natural Resource Presentations

Don Zimmerman, Colorado State University
Garrett O'Keefe, Colorado State University
Jane Kapler Smith, Colorado State University
et al

Scientists' Perspectives on the Importance of Scientific Communication in Natural Resource Decision-making

Christine M. Shaw, Oregon State University
Bruce A. Shindler, Oregon State University

Putting Nature First: Working with Stakeholders to Determine the Role and Value of Natural and Cultural Resources in Pinellas County, FL

Christine B. Denny, Pandion Systems, Inc.
Taylor V. Stein, University of Florida

Panel Session: Monitoring the Effects of Federal Forest Management Policy on Pacific Northwest Communities (T11)

Moderator: Susan Charnley

Room: Castle Peak 3

Cassandra Moseley, Ecosystem Workforce Program
Ellen Donoghue, USDA Forest Service
Claudia Stuart, USDA Forest Service
Rebecca McLain, Institute for Culture and Ecology
Susan Charnley, USDA Forest Service
Lita Buttolph

Panel Session: The Many Faces of Community Research (T12)

Moderator: Linda Kruger

Room: Castle Peak 4

Victoria Sturtevant, Southern Oregon University
Dennis Becker, USDA Forest Service
Courtney Flint, Penn State University
Neal Christensen, Aldo Leopold Wilderness Research Institute

The Issues and Influences of Seasonal Residents (T13)

Moderator: Greg Clendenning

Room: Shavano Peak

Lost in Space: Seasonal Housing, Natural Amenities, and Housing Affordability in the Rural Northwoods

Richelle Winkler, University of Wisconsin
Roger Hammer, University of Wisconsin
Paul Voss, University of Wisconsin

Seasonal Homeowners and Permanent Residents: Social Conflict or Social Cohesion?

Greg Clendenning, University of Wisconsin-Madison
Donald R. Field, University of Wisconsin-Madison

A Comparison of Leisure Lifestyle of Seasonal and Permanent Landowners in Northern Wisconsin

Nicole Malandri, University of Wisconsin-Madison
Greg Clendenning, University of Wisconsin-Madison
Donald R. Field, University of Wisconsin-Madison

Changing Patterns of Woodlot Ownership and Users in Prince Edward Island: The Impact of Non-residents

Solange Nadeau, Natural Resources Canada

Environmental Behaviors (T14)

Moderator: Alan Bright

Room: Red Cloud

Relationships Between Environmental Behaviors and Demographic Variables Among Coral Reef Recreationists

Judith Cheng, University of Florida
Brijesh Thapa, University of Florida

Expressed Environmental Attitudes and Actual Behavior: Exploring the Concept of Environmentally Desirable Responses

Alan Ewert, Indiana University
Graeme Galloway, La Trobe University

The Necessity to Include Evolutionary Theory in Proenvironmental Behavior Research

Dawn Hill, University of Arizona

NOON–1:30PM

Lunch (on your own)

12:15–1:30PM

ATLAS Roundtable

Room: Suns Room at Keystone Lodge

Tourism researchers and students are invited to attend a discussion about a possible North American chapter of Association for Tourism and Leisure Education (ATLAS). Established in 1991, the goal of ATLAS is to develop transnational educational initiatives in tourism and leisure. ATLAS provides a forum to promote staff and student exchange, transnational research and to facilitate curriculum and professional development. ATLAS currently has members in more than 70 countries.

Thursday, June 3, 1:30–3:30PM	
Attitudes Toward Wildlife Crestone 1	International Park and Protected Area Management, Part II Crestone 2
Public Perception and Tradeoff Research Crestone 3	Private Landowner Perspectives, Part II Crestone 4
Social Science and Fire Management, Part II Torreys 1	Wildlife and Livestock Disease Torreys 2
Specialization in Outdoor Recreation Torreys 3	Collaboration in Forest Planning Torreys 4
Economics and Outdoor Recreation Castle Peak 1	Issues in Wilderness Castle Peak 2
Ecotourism Shavano Peak	Conservation Behaviors Red Cloud

1:30–3:30PM

Concurrent Sessions (See grid on this page.)

Attitudes Toward Wildlife (T15)

Moderator: Harvey Lemelin

Room: Crestone 1

“The Story of Fish and Wildlife in the Billings Gazette and the Missoulian 1961-2001: An Interpretive Textual Analysis”
Joseph G. Champ, Colorado State University
Daniel W. McCollum, USDA Forest Service

How Humans Howl at the Wolves
Hanne Svarstad, Norwegian Institute for Nature Research

Representation Through Polarization: Public Opinion and Interest Group Rhetoric Regarding Recolonizing Gray Wolves in Utah
Jeremy T. Bruskotter, Utah State University
Robert H. Schmidt, Utah State University

Value Orientations, Norms, and Attitudes of the Public Toward Beaver in Massachusetts
Sandra A. Jonker, Cornell University
Rodney R. Zwick, Lyndon State College
John F. Organ, U.S. Fish and Wildlife Service
et al

International Parks and Protected Areas Management, Part II (T16)

Moderator: Peter Newman

Room: Crestone 2

Development, Participation, and Environmentalism on Palawan Island, Philippines
Rebecca L. Austin, Fort Lewis College
James Eder, Arizona State University

Organizational, Culture and its Role in Strategy in a Conservation Organization: A Case Study of Ezemvelo KwaZulu Natal Wildlife
Nyambe Nyambe, University of KwaZulu-Natal

The Importance of Local Participation in Protected Area Management: A Case Study of Bigodi Village, Uganda
Andrew Lepp, University of Florida

Community Involvement in Marine Conservation in Zanzibar, Tanzania
Arielle Levine, University of California–Berkeley

Perceptions of Sustainable Tourism Development Strategy for PAN Parks in Europe
Stuart Cottrell, Colorado State University

Public Perception and Tradeoff Research (T17)

Moderator: Terry Daniel

Room: Crestone 3

Space, Time, and the Representation of Forest Data in Public Perception Studies
Brian Orland, The Pennsylvania State University
Lan Wu-Cavener, The Pennsylvania State University
David Pentland, The Pennsylvania State University
et al

Public Perceptions of Alternative Futures for Northern Forests
Terry C. Daniel, University of Arizona
Dawn Hill, University of Arizona

Process-Tracing Public Perceptions of Alternative Futures for Northern Forests
Joanne Vining, University of Illinois
Mindy Merrick, University of Illinois
Jaclyn Zawacki, University of Illinois
et al

Resource Protection Versus Recreation Access: An Analysis of Trade-offs at Zion National Park
Wayne A. Freimund, The University of Montana
Douglas R. Dalenberg, The University of Montana
Robert E. Manning, University of Vermont

Examining Norms, Attitudes, and Perceptions of Rock Climbing Impacts in the Mt. Olympus and Twin Peaks Wilderness Areas
Christopher D. Jones, Utah Valley State College

1:30–3:30PM

Concurrent Sessions (continued)**Private Landowner Perspectives, Part II (T18)**

Moderator: Mark Fly

Room: Crestone 4

Understanding Non-participant Private Forest Landowners:
A Phenomenological Investigation

Miriam L.E. Steiner Davis, University of Tennessee
J. Mark Fly, University of Tennessee

The Framing of Sustainable Private Forestry: An Analysis of
Stakeholder Perspectives in Morgan County, TN

Jamey L. Pavey, University of Tennessee

Creating Networks and Opportunities for Stewardship and
Community Building Through Community-based
Collaborative Learning Groups

Allyson Muth, University of Tennessee

Assessing Capacity for Collaboration and Sustainable
Forestry in a Western Tennessee Community

Leslie A. Horner, University of Tennessee
David M. Ostermeier, University of Tennessee

Social Science and Fire Management, Part II (T19)

Moderator: Patricia Champ

Room: Torreys 1

Institutional Arrangements and Incentives for
Homeowners to Mitigate Wildfire Risks

Patricia Champ, Rocky Mountain Research Station
Nicholas Flores, University of Colorado
Hannah Brenkert, University of Colorado

The Economics of Wildland Fire Use on Public Lands

Lisa Dale, The Wilderness Society

Incentives for Wildfire Management on National
Forest Land

Geoffrey H. Donovan, USDA Forest Service
Thomas C. Brown, USDA Forest Service

Wildlife and Livestock Disease (T20)

Moderator: Mark Needham

Room: Torreys 2

Hunter Concern About Chronic Wasting Disease in
South Dakota

Larry M. Gigliotti, South Dakota Department of Game,
Fish and Parks

Economic Impact of Chronic Wasting Disease in Colorado

Andrew F. Seidl, Colorado State University
Stephen R. Koontz, Colorado State University

The Effects of UK Government Policies on the Lake
District National Park's Leisure and Tourism Industry in
an Agricultural Crisis

Christine Williams, University of Central Lancashire
Maggie Ferguson, University of Central Lancashire

Future Strategies for Government in Relation to the
English Lake District's Leisure and Tourism Providers in
Times of Crisis

Maggie Ferguson, University of Central Lancashire
Christine Williams, University of Central Lancashire

Specialization in Outdoor Recreation (T21)

Moderator: Walt Kuentzel

Room: Torreys 3

Becoming a Specialist? A Panel Study of Progress and
Regress Among Boaters at the Apostle Islands

Walter F. Kuentzel, University of Vermont
Thomas A. Heberlein, University of Wisconsin

For Better or Worse: Two Faces of Recreational
Specialization

Jin-Hyung Lee, Honam University
David Scott, Texas A&M University

Reconceptualizing Specialization for a Fishing Subactivity:
Is Activity and Place Specialization Better Understood at
the Activity or Subactivity Level?

Aurora Moldovanyi, West Virginia University
Chad Pierskalla, West Virginia University
Michael Schuett, West Virginia University

Measuring Specialization Among Birders: Utility of a Self-
Classification Measure

David Scott, Texas A&M University
Robert B. Ditton, Texas A&M University

Collaboration in Forest Planning (T22)

Moderator: Antony S. Cheng

Room: Torreys 4

Calibrating Collaboration: Monitoring and Adaptive
Management of a Community-based Collaborative Forest
Planning Process in Western Colorado

Antony S. Cheng, Colorado State University
Kathy Bond, Kathleen Bond Consulting
Carmine Lockwood, Grand Mesa, Uncompahgre &
Gunnison National Forests

A Place-based Framework for Collaborative Stakeholder
Participation in National Forest Planning

Antony S. Cheng, Colorado State University
Kathy Bond, Kathleen Bond Consulting
Carmine Lockwood, Grand Mesa, Uncompahgre &
Gunnison National Forests

Looking Back to Move Forward: Public Participation in
Quebec's Forest Sector Throughout the Last Two Decades

Catherine Martineau-Delisle, Université Laval
Solange Nadeau, Natural Resources Canada

Managing Natural Disturbance in Protected Areas:
Stakeholders' Perspectives

Bonita L. McFarlane, Canadian Forest Service
David O. Watson, Canadian Forest Service
Michael den Otter, Parks Canada

Building Sustainable Communities in Forested Regions
 A.E. Luloff, The Pennsylvania State University
 J.C. Finley, The Pennsylvania State University
 M.A. Brennan, The Pennsylvania State University

Economics and Outdoor Recreation (T23)

Moderator: Peter Fix

Room: Castle Peak 1

The Role of Equity in Understanding Public Attitudes
 Toward Recreation Fees

Gyan P. Nyaupane, The Pennsylvania State University
 Alan R. Graefe, The Pennsylvania State University
 Robert C. Burns, University of Florida

Economic Impacts of Reduced Fishing Opportunities due
 to USACE Management of the Missouri River
 Steven Shultz, North Dakota State University

A Social Judgment and Cognitive Development Approach
 to Understanding Consumer Perceptions of Fees for
 Public Land Recreation

Gerard Kyle, Clemson University
 William Hammitt, Clemson University
 Kenneth Backman, Clemson University
et al

A Re-Examination and Application of Customer Service
 Measures For National Forest Recreation Fee Sites
 James D. Absher, USDA Forest Service
 Gerard Kyle, Clemson University

Rationing Recreational Access on the Valles Caldera
 National Preserve: Economic and Equity Issues
 Joseph M. Little, University of New Mexico
 Robert P. Berrens, University of New Mexico
 Patricia A. Champ, USDA Forest Service

Exploring Issues of Divergent Validity of Contingent
 Valuation: A Case Study of Deer and Elk Hunting in
 Colorado

Peter J. Fix, University of Alaska–Fairbanks
 Michael J. Manfreda, Colorado State University

Issues in Wilderness (T24)

Moderator: Troy Hall

Room: Castle Peak 2

Naturalness, Remoteness, Primitiveness, and Wilderness:
 Wilderness Visitors' Understanding of Management
 Concepts

Bradley J. Johnson, University of Idaho
 Troy E. Hall, University of Idaho
 David Cole, Aldo Leopold Research Center

Displacement and Coping in Four Pacific Northwest
 Wildernesses

Troy E. Hall, University of Idaho
 David Cole, Aldo Leopold Wilderness Research Institute

Solitude and Acceptable Number of User Encounters: A
 Study of Wilderness Hikers in Two Northeastern States
 Chad P. Dawson, SUNY–College of Environmental
 Science & Forestry

A GIS-based Inductive Study of Wilderness Values
 Greg Brown, University of South Australia
 Lilian Alessa, University of Alaska

Ecotourism (T25)

Moderator: Heidi Bigler Cole

Room: Shavano Peak

Ke Ala Moa'e, The Trade Wind Trail: Developing
 Ecotourism in the Koolauloa District on the Island of
 Oahu, Hawaii

Linda J. Cox, University of Hawaii

Ecotourism and the Ecopsychology Project

Ute Jamroz, Texas A&M University

Ecotourism or Mass Tourism: A Crossroad in the Town of
 San Ignacio, Belize

Claudia A. Navarro, Arizona State University

Putting Traffic Lights on the Road Less Traveled:
 Opportunities and Challenges of Implementing
 Ecotourism Certification in Hawaii

Wendy Keala Bauckham, University of Hawaii

Conservation Behaviors (T26)

Moderator: Alan Bright

Room: Red Cloud

Conservation Behavior and Native Plant Use in Utah
 Virginia Harding Hooper

Joanna Endter-Wada

Craig W. Johnson

Social and Subjective Norms for Home Energy
 Conservation

John L. Heywood, Ohio State University

Intention to Conserve Water: Environmental Values,
 Reasoned Action, and Information Effects Across Time

Craig W. Trumbo, University of Vermont

Garrett J. O'Keefe, University of Vermont

Crude Realities? Oil and Overadaptation in Resource-
 Dependent Regions and Nations

William R. Freudenburg, University of California–Santa
 Barbara

Robert Gramling, University of California–Santa Barbara

Green Lawns and Wise Water Use

Christina Klien, Utah State University

Joanna Endter-Wada, Utah State University

Judy Kurtzman, Utah State University

et al

3:30–3:45PM

Break

3:45–6:15PM

Concurrent Sessions (See grid on this page.)

Human Dimensions of Managing Wildlife (T27)

Moderator: Sandra Jonker

Room: Crestone 1

Solving Beaver Flooding Problems Through the Use of Water Flow Control Devices

Laura J. Simon, The Fund for Animals

The Ethics of Wildlife Control: Citizens' Perspectives and the Implications for Policy Making

T. Bruce Lauber, Cornell University

James A. Tantillo, Cornell University

Barbara A. Knuth, Cornell University
et al

National Park Visitors Knowledge, Attitudes and Behaviours Toward Bears

Michael den Otter, Parks Canada

International Parks and Protected Area Management, Part III (T28)

Moderator: George Wallace

Room: Crestone 2

Lessons on Public Participation from the Transboundary Lake Ohrid Watershed (Albania, Greece, and Macedonia)

Oliver Avramoski, Central European University

The Education of Natural Resource Managers: A Challenge for Mexico

Guillermo Arámburo Vizcarra, Universidad Autónoma de Baja California

Ileana Espejel Carbajal, Universidad Autónoma de Baja California

Claudia Leyva Aguilera, Universidad Autónoma de Baja California

Unintentional Replacement of the State: A Comparison of Two Protected Areas in Southern Bahia, Brazil

Daniela Vizcaino, Yale University

Why Do People See Protected Areas the Way They See Them: A Marqueno Perspective

Sandra De Urioste Stone, University of Idaho

William J. McLaughlin, University of Idaho

Participation in Conservation: Transformation or Legitimization?

Sheri L. Stephanson, University of Washington

Public Participation in Indigenous Community Conservation Projects of the Mesoamerican Biological Corridor

Erik A. Nielsen, Alaska Pacific University

Thursday, June 3, 3:45–6:15PM

Human Dimensions of Managing Wildlife Crestone 1	International Park and Protected Area Management, Part III Crestone 2
Methodological Approaches in Natural Resource Research Crestone 3	Private Landowner Perspectives, Part III Crestone 4
Acceptability and Fire Management Torreys 1	Human Dimension Issues in Hunting Torreys 2
Normative Approach in Natural Resource Management Torreys 3	Partnerships in Outdoor Recreation Torreys 4
Economic Impacts in Natural Resources and Tourism Castle Peak 1	Changes in Attitudes Castle Peak 2
Tourism Planning Shavano Peak	Values and Ethics Red Cloud

Methodological Approaches in Natural Resource Research (T29)

Moderator: David Klenosky

Room: Crestone 3

Mixing Methods with On-site Data Collection to Better Understand Affective Measures of Wilderness Experience

Erin Seekamp, University of Idaho

Bradley J. Johnson, University of Idaho

Troy E. Hall, University of Idaho

Seeing the Big Picture: Understanding Natural Resource Management Through Metaphor

Catherine Allan, Charles Sturt University

Exploring Metaphors of Wildlife Through Photo Elicitation: A Useful Input for Zoo-exhibit Concept Planning

David B. Klenosky, Purdue University

Carol D. Saunders, Brookfield Zoo

Environmental Perceptual Assessments on the Internet: Some Methodological Tests

Dawn Hill, University of Arizona

Terry C. Daniel, University of Arizona

Michael J. Meitner, University of British Columbia

Further Investigation of the Effect of Wording on Responses to Questions About Encounter Norms
Troy E. Hall, University of Idaho
David Cole, Aldo Leopold Wilderness Research Institute

Improving the Accuracy of Survey Estimates
Jay Beaman, Auctor Consulting Associates, Ltd.
Jerry J. Vaske, Colorado State University
Craig A. Miller, Illinois Natural History Survey

Private Landowner Perspectives, Part III (T30)

Moderator: Mark Fly

Room: Crestone 4

Southeastern Minnesota Landowners' Opinions on Land Conservation Techniques and Programs
Michelle A. Payton, University of Minnesota
David C. Fulton, University of Minnesota

Impact of Tax Policies on Sustaining Non-industrial Private Forests of United States
Rajendra K. Chaini, Purdue University

Pennsylvania's Private Landowners Posting Decisions and the Implications for Deer Management Efforts
Coren P. Jagnow, The Pennsylvania State University
A.E. Luloff, The Pennsylvania State University
James C. Finley, The Pennsylvania State University
et al

Finding the Public Good in Private Interests: Landowner Participation in the Restoration of the Walla Walla Watershed
Amy Rice-Jones, Whitman College

Leveraging Change: Watershed Councils and their Promotion of Conservation Practices on Private Land
Stacy Rosenberg, University of Oregon
Richard D. Margerum, University of Oregon
Peter Walker, University of Oregon

An Assessment of Landowner Attitudes Toward White-tailed Deer in Milford, Pennsylvania
Christina S. Voorhees, The Pennsylvania State University
Grace A. Wang, The Pennsylvania State University

Acceptability and Fire Management (T31)

Moderator: Alan Bright

Room: Torreys 1

The Relationship Between Values and Acceptability of Fire Management Strategies: An Application of Conjoint Analysis
Alan D. Bright, Colorado State University
Peter Newman, Colorado State University
Joshua Carroll, Colorado State University

Badly Burned? Effects of an Escaped Prescribed Burn on Social Acceptability of Wildland Fuels Treatments
Mark W. Brunson, Utah State University
Jessica Evans, Utah State University

Acceptability Norms Toward Wildland Fire Management
Katie Kneeshaw, USDA Forest Service
Jerry J. Vaske, Colorado State University
Alan D. Bright, Colorado State University
et al

Value Orientations and Attitudes Toward Wildfire Management: An Exploration of Integrative Complexity
Randall T. Burtz, Western Washington University
Alan D. Bright, Colorado State University

Public Acceptance of Fuel Reduction Treatments: A Panel Study of Forest Communities
Eric Toman, Oregon State University
Bruce Shindler, Oregon State University

Hot Topics: An Evaluation of Public Communication Strategies for Fire Management
Eric Toman, Oregon State University
Bruce Shindler, Oregon State University

Human Dimension Issues in Hunting (T32)

Moderator: Tara Teel

Room: Torreys 2

Support for Hunting and Wildlife: Attitude Change in Sweden Between 1980 and 2000
Thomas A. Heberlein, University of Wisconsin-Madison

Hunter Movement in "Big Woods" Habitat
James Finley, The Pennsylvania State University
A.E. Luloff, The Pennsylvania State University
Richard Stedman, The Pennsylvania State University
et al

Examining Two Methods to Reduce Crop Damage Caused by native Ungulates: A Web-based Hunter-Rancher Contact System vs Exclusion
Carolyn M. Johnson-Nistler, Montana State University
James E. Knight, Montana State University

Why Can't We Put Radio Collars on Hunters?: Integrating Wildlife and Human Dimensions Research Methods
Richard Stedman, The Pennsylvania State University
Jim Finley, The Pennsylvania State University
A.E. Luloff, The Pennsylvania State University

Societal Trends and Effects on Hunting in the United States
Tara L. Teel, Colorado State University
Michael J. Manfredo, Colorado State University

Normative Approach in Natural Resource Management (T33)

Moderator: Robert E. Manning

Room: Torreys 3

Normative Research in Outdoor Recreation: Much Ado About What?
John L. Heywood, Ohio State University

Comparing Norm Strength at Backcountry, Frontcountry, and Urban-proximate National Parks
Walter F. Kuentzel, University of Vermont
Daniel N. Laven, University of Vermont
Robert E. Manning, University of Vermont
et al

3:45–6:15PM

Concurrent Sessions (continued)

Self-Reported Skill Level and Normative Evaluations
Among Summer Recreationists at an Alpine Ski Area

Mark D. Needham, Colorado State University
Rick B. Rollins, Malaspina University–College
Jerry J. Vaske, Colorado State University

The Relationship Between Normative Standards of
Quality and Existing Conditions in Parks and Protected
Areas: A Cross-Validation Analysis

Daniel N. Laven, University of Vermont
Robert E. Manning, University of Vermont
Daniel H. Krymkowski, University of Vermont

What's Behind the Numbers? Qualitative Insights into
Normative Research in Outdoor Recreation

Robert E. Manning, University of Vermont
Jennifer Morrissey, University of Vermont
Steven Lawson, University of Vermont

Partnerships in Outdoor Recreation (T34)

Moderator: Steve Selin

Room: Torreys 4

Managing Utah's Public Lands: An Analysis of Core
Issues, Key Players, and Factors Affecting Cooperation

Cindy T. Christen, Colorado State University

Utah's Trails Initiative: Partnerships and Collaboration

Steven W. Burr, Utah State University
Dale J. Blahna, Utah State University
Douglas K. Reiter, Utah State University
et al

Participatory Planning with 102 Communities—
The Establishment of a Nature Park in the Black Forest
of Germany

Ulrike Pröbstl, BOKU–University of Natural Resources
and Lifes Sciences

Economic Impacts in Natural Resources and Tourism (T35)

Moderator: Peter Fredman

Room: Castle Peak 1

Wetland Easement Costs Using Alternative Land Value Data:
A Case Study of the USFWS Swap Program in the Dakotas

Steven Shultz, North Dakota State University

Short Term Effects of National Park Designation on Tourism

Peter Fredman, Mid-Sweden University

Assessing the Role of Outdoor Recreation in Rural
Economic Development: A Case Study for the Obed Wild
and Scenic River, Tennessee

Donald G. Hodges, The University of Tennessee
Charles B. Sims, The University of Tennessee

Economic Impact of the Lewis and Clark Bicentennial on
Communities in Northcentral Idaho

Joshua Berning, University of Idaho

Toward Valuing Anthropogenic Impacts and Ecological
Relationships in Forested Wetlands using Spatial
Econometric Models

Aaron R. Wells, The University of Tennessee
Aaron R. Pierce, The University of Tennessee

Changes in Attitudes (T36)

Moderator: Brian Riley

Room: Castle Peak 2

A Differentiation of the Opinions of Two Environmental
Groups Toward the Forest Industry in Mississippi

Rachel B. Habig, SUNY–College of Environmental
Science and Forestry
Stephen C. Grado, Mississippi State University

Changes in Residents' Attitudes Toward a Japanese River
Environment: Perceptual and Behavioral Changes From
1988 to 2002.

Sampei Yamashita, Matsukadai, Higashi-ku

The Relationship Between Outdoor Experiential Programs
and Environmental Beliefs: Is There a Connection and Do
They Make a Difference?

Alan Ewert, Indiana University

Tourism Planning (T37)

Moderator: Maureen Donnelly

Room: Shavano Peak

Tourism, Recreation, and In-migration: Planning and
Managing for Changing Patterns of Use

Shayla B. Sharp, Oregon State University

Managing for the Next Mountain Biking Mecca

Robert Hood, University College of the Cariboo

Preferences, Objectives, and Conflicts Regarding Future
Development of Mountainous Landscapes in Europe:

Models, Surveys, and Experiments

Marcel Hunziker, Swiss Federal Research Institute WSL
Matthias Buchecker, Swiss Federal Research Institute WSL
Katrin Gehring, Swiss Federal Research Institute WSL
et al

Occupational Identity and Desire for Tourism: Are They
Truly “Two Opposite Ends of the Spectrum?”

Peggy Petrzalka, Utah State University
Richard S. Krannich, Utah State University
Joan M. Brehm, Illinois State University

Incorporating Natural History Conservation into the
Proposed Delta National Heritage Area

Alan Barton, Delta State University
Luther Brown, Delta State University

Macabre Tourism: A Geographical Comparison of Salem,
Massachusetts and Transylvania, Romania

Robert S. Bristow, Westfield State College
Mirela Newman, Westfield State College

Values and Ethics (T38)

Moderator: Harry Zinn
Room: Red Cloud

Forest Value Orientations of Allegheny National Forest Stakeholders
Harry C. Zinn, The Pennsylvania State University
Grace A. Wang, Western Washington University
Deborah L. Kerstetter, The Pennsylvania State University

Proposal to Validate a Values Typology: Connecting Values to Places and Planning in Colorado
Jessica Clement, Colorado State University

Logical Arguments in Support of the Intrinsic Value of Nature Preservation: An Environmental Ethics Perspective
Sandra Gudmundsen, Metropolitan State College

Forest Values of National Park Neighbors in Costa Rica
John Schelhas, Tuskegee University
Max Pfeffer, Cornell University

What and Where are Environmental and World Heritage Values? Addressing the Impacts of a Faltering Discourse
Joseph P. Reser, James Cook University
Joan M. Bentrupperbäumer, James Cook University

Development of a Spatial Values-based Recreation Planning Framework for Canadian Crown Lands
Michael Yuan, Lakehead University
Norman McIntyre, Lakehead University
Robert Payne, Lakehead University
et al

7:30PM

Banquet, Recognitions, and Denver Pow-Wow Performance

Location: Longs Peak/Quandary room

friday, june 4

7:00AM–5:00PM

Registration
Lobby

8:00AM–6:00PM

Poster Session (See poster titles on page 38.)
Room: Shavano / Crestone Foyer

9:00–11:30AM

Concurrent Sessions (See grid on page 22.)

Issues in Urban Parks and Protected Areas (F1)

Moderator: Matt Jones
Room: Crestone 1

Effectiveness of Education for Cleaning up Dog Waste
Matt Jones, City of Boulder Open Space and Mountain Parks
Robin Lowery, Friends Interested in Dogs and Open Space

The Importance of the Natural Environment in Personal Life Satisfaction and Neighborhood Satisfaction
Amanda W. Vemuri, University of Maryland

Measuring Landscape Values and Special Places for Parks and Open Space Planning
Greg Brown, University of South Australia

Natural Resource Stewardship in the Wake of Acute and Chronic Urban Stressors
Erika S. Svendsen, USDA Forest Service & Columbia University

Jefferson County Open Space's Park Management Planning Process: A Case Study in Organizational Change
Roxanne M. Hernandez, Jefferson County Open Space

Natural Resource Issues in the West, Part I (F2)

Moderator: Dave Theobald
Room: Crestone 2

How Do Land Preservation Policies Affect the Lack of Affordable Housing in Rural Resort Counties in the Rocky Mountain West?
Diane Mitsch Bush, Colorado Mountain College

Trends in Water Value in the West: Evidence from the Past Fourteen Years of Water Market Transactions
Thomas C. Brown, U.S. Forest Service

Friday at a Glance

	8:30
Concurrent Sessions 6	9:00
	9:30
	10:00
	10:30
	11:00
Catered Lunch	11:30
	NOON
	12:30
Concurrent Sessions 7	1:00
	1:30
	2:00
	2:30
	3:00
Concurrent Sessions 8	3:30
	4:00
	4:30
	5:00
	5:30
	6:00
	6:30
	7:00
	7:30
	8:00
	8:30
	9:00
	9:30

9:00–11:30AM

Concurrent Sessions (continued)

Mind and Land in “No Man’s Land.” The Recent Human Ecology of Farming on the Southern High Plains
 Sean Keenan, Oklahoma State University
 Brett Zollinger, Fort Hays State University

Decision Center for a Desert City: Science, Policy, and the Construction of a Boundary–Spanning Organization
 Dave D. White, Arizona State University

Modeling Forest Management, Exurban Development, and Biodiversity Conservation Under Alternative Scenarios in Northern Idaho, USA

Max Nielsen-Pincus, University of Idaho
 Caren Goldberg, University of Idaho
 Amy Pocewicz, University of Idaho

Balancing Science, Policy and Exurbia in the Agrarian West: The Basis for an Interdisciplinary Case Study Regarding Land Use Changes on the Palouse
 Shannon Donovan

Monitoring and Simulating Visitor Flows (F3)

Moderator: Bob Itami

Room: Crestone 3

Adapting Sampling Design Techniques from Ecology and Epidemiology for Use in Field Studies of Recreational Users on Public Lands

Shana Cecile Gillette, U.S. Geological Survey
 Jayashree Ratnam, Colorado State University
 Sam Posner, Centers for Disease Control

Monitoring and Analysis of Day Use Visitor Flows Using Race Timing Technology

Alice O’Connor, The University of Melbourne
 Andre Zerger, CSIRO Sustainable Ecosystems
 Bob Itami, GeoDimensions Pty Ltd

The Challenges and Benefits of Computer Simulation for Back Country Visitor Management

Bob Itami, GeoDimensions Pty Ltd
 Randy Gimblett, University of Arizona
 Steven R. Lawson, West Virginia University

Monitoring and Analysis of Day Use Flows Using GPS
 Colin Arrowsmith, Royal Melbourne Institute of Technology

Prem Chhetri, Royal Melbourne Institute of Technology
 Bob Itami, GeoDimensions Pty Ltd

Collecting Descriptions of Visitors’ Trip Itineraries Using Waypoint Signs

Mark E. Vande Kamp, University of Washington
 Bob Itami, GeoDimensions Pty Ltd

Friday, June 4, 9:00–11:30AM

Issues in Urban Parks and Protected Areas	Natural Resource Issues in the West, Part I
Crestone 1	Crestone 2
Monitoring and Simulating Visitor Flows	Marine and Coastal Resource Management, Part I
Crestone 3	Crestone 4
Human Dimensions of Fire Management, Part I	Human-Wildlife Conflicts, Part I
Torreys 1	Torreys 2
Trends in Outdoor Recreation, Part I	Centers of Excellence or Academic Enigma (Panel)
Torreys 3	Torreys 4
Partnerships in Natural Resource Management	Cultural Issues in Natural Resources Management
Castle Peak 1	Castle Peak 2
Conservation and Ecosystem Management	Environmental Policy
Red Cloud	Shavano Peak

Assessing Backcountry Campers’ Support for Alternative Visitor Use Management Practices at Isle Royale National Park

Steven R. Lawson, West Virginia University
 Robert E. Manning, University of Vermont
 Ann Mayo Kiely, West Virginia University

Describing, Monitoring and Managing Visitor Flows in Parks and Protected Areas Using Computer Simulation

Steven R. Lawson, University of West Virginia
 Robert E. Manning, University of Vermont

Marine and Coastal Resource Management, Part I (F4)

Moderator: Tom Fish

Room: Crestone 4

Understanding Latent Demand for Coastal Recreation in North Carolina

Jeffery Hill, University of North Carolina at Wilmington
 James Herstine, University of North Carolina at Wilmington

Robert Buerger, University of North Carolina at Wilmington

et al

Understanding Angler Preferences and Tradeoffs for Harvest Regulations in the Texas Red Drum Fishery
Chi-Ok Oh, Texas A&M University
Robert B. Ditton, Texas A&M University
Brad Gentner, NOAA-Fisheries
et al

Managing Visitor Use in Coastal and Marine Protected Areas: Lessons Learned from Cape Cod to Hawaii, Virgin Islands to Oregon
Theresa G. Coble, Stephen F. Austin State University
W. Jasmine Chen, Stephen F. Austin State University
Hilary Tribby, Stephen F. Austin State University
et al

Integrating Stakeholder Participation into Recreation Planning for Abaco National Park, Bahamas
Lisa C. Marks, University of Florida
Taylor V. Stein, University of Florida
Susan K. Jacobson, University of Florida

A Process for Identifying and Monitoring Indicators of Visitor Experience and Resource Quality
Dorothy H. Anderson, University of Minnesota
David W. Lime, University of Minnesota
Jerrilyn L. Thompson, National Park Service & University of Minnesota

Identifying Human Dimensions Challenges for Coastal and Marine Resource Management
Thomas E. Fish, NOAA Coastal Services Center

Human Dimensions of Fire Management, Part I (F5)

Moderator: Hanna Cortner
Room: Torreys 1

A Matrix Approach for Understanding Humans, Fire, and Forests
A.E. Luloff, The Pennsylvania State University
Donald R. Field, The Pennsylvania State University
Richard S. Krannich, The Pennsylvania State University
et al

Public Acceptance of Wildland Fire Conditions and Fuel Reduction Practices: Challenges for Federal Forest Managers
Bruce Shindler, Oregon State University

Understanding People, Fire, and Forests from the Individual Actor Perspective
Terry C. Daniel, University of Arizona

Cultural Variation in Public Perceptions Concerning Fire Use and Management
Carol Raish, USDA Forest Service
Armando González-Cabán, USDA Forest Service
Wade Martin, USDA Forest Service

Recreation and Fire Management in Urban National Forests: A Study of Manager Perspectives
Kelly S. Bricker, West Virginia University
William Hendricks, California Polytechnic University–San Luis Obispo
Deborah J. Chavez, USDA Forest Service
et al

Human-Wildlife Conflicts, Part I (F6)

Moderator: Ketil Skogen, Ashley Dayer
Room: Torreys 2

Large Mammalian Carnivores and People: Beasts in Our Midst
Robert H. Schmidt, Utah State University
Robert M. Timm, University of California

Farmer-Wildlife Conflict in Nigeria and Uganda: Common Problems, Perceptions, and Outcomes
Catherine M. Hill, Oxford Brookes University
Ymke Warren, University of Surrey Roehampton

Mountain Lions in South Dakota: Results of a 2002 Public Opinion Survey
Larry M. Gigliotti, South Dakota Department of Game, Fish and Parks
Dorothy M. Fecske, South Dakota State University
Jonathan A. Jenks, South Dakota State University

Human Disturbance Affecting Steller Sea Lions?
Laura Kucey, University of British Columbia
Andrew W. Trites, University of British Columbia

HWC–Inevitable Yet Manageable Problem
Asheem Srivastav, Government of India, Ministry of Environment & Forests

Cultural Resistance in Conflicts Over Nature Conservation
Ketil Skogen, Norwegian Institute for Nature Research
Olve Krange, Norwegian Institute for Nature Research

Trends in Outdoor Recreation, Part I (F7)

Moderator: Alan Bright
Room: Torreys 3

Impact of Environmental Factors on Recreation Site Choice in Post-Industrial Landscapes
David B. Klenosky, Purdue University

Recreational Beach Use in Southern California: The Influence of Demographics and Activity Preferences
John G. Peden, State University of New York

Geocaching: Who, What, and Why
Ingrid E. Schneider, University of Minnesota
Debbie J. Chavez, USDA Forest Service

Survey of Backcountry Campers in Yellowstone National Park: Characteristics and Management Preferences
Timothy Scott Oosterhous, University of Arkansas–Monticello
Pat Stephens Williams, University of Arkansas–Monticello
Michael H. Legg, Stephen F. Austin University
et al

9:00–11:30AM

Concurrent Sessions (continued)

Panel Session: Centers of Excellence or Academic Enigmas? A Discussion of the Pros and Cons of Establishing Departments of Social Science in Natural Resource Colleges (F8)

Moderator: Terry Sharik

Room: Torreys 4

Steve Hollenhorst, University of Idaho
Wayne Freimund, University of Montana
Terry Sharik, Utah State University

Partnerships in Natural Resource Management (F9)

Moderator: Antony S. Cheng

Room: Castle Peak 1

Establishing Effective Partnerships Between Community Groups and New Zealand's Department of Conservation
Carla Wilson, Department of Conservation Te Papa Atawhai

Framing, Organizational Learning, and Effectiveness in Natural Resource Management Partnerships
Christina Kakoyannis, Oregon State University

Environmental Partnerships Serving America's Communities: The USDA Resource Conservation and Development Program
William R. Mangun, East Carolina University
Jean C. Mangun, Southern Illinois University

Beyond the Process: Using Outcomes to Measure Success in Collaborative Land Use Planning
Kit Muller, Bureau of Land Management
Steve Cohn, Bureau of Land Management

Weed Coalition Arrangements in Addressing Provisional and Externality Problems in Invasive Weed Management
Pradyumna Amatya, Utah State University
Nicole Haynes McCoy, Utah State University

Public Participation as Group Learning: Developing a Diagnostic Tool for Multistakeholder Groups
Christine H. Jakobsen, University of Idaho
William J. McLaughlin, University of Idaho

Cultural Issues in Natural Resources Management (F10)

Moderator: Myron Floyd

Room: Castle Peak 2

Race and Natural Resource Attitudes
Kindal S. Hunt, Texas A&M University
David Scott, Texas A&M University
Myron F. Floyd, University of Florida
et al

Assessing Environmental Concern, Health, & Justice in Clarksville, Tennessee
Shirley A. Rainey, Austin Peay University
Robert Emmet Jones, University of Tennessee

The Challenge of Environmental Justice in East Wenatchee, Washington

Grace A. Wang, Western Washington University
J.D. Wulffhorst, University of Idaho
Julie A. Gustanski, Resource Dimensions
et al

Wildlife Resources of Everest Region of Nepal and Management Issues

Tej Kumar Shrestha, Tribhuvan University

Environmental Concern in the Mormon Culture Region

Joan M. Brehm, Illinois State University
Brian W. Eisenhauer, Plymouth State University

Conservation and Ecosystem Management (F11)

Moderator: Robert Muth

Room: Red Cloud

Challenges in Moving from a Static to Dynamic Conception of Parks: Linking Conservation, Ecological Integrity, and Post-Normal Science

John D. Shultis, University of Northern British Columbia
Paul Way, University of Northern British Columbia

Beyond Silent Spring: Second and Higher-Order Unanticipated Consequences in Coupled Human-Natural Systems

Eric D. Zimmerman, University of California–Santa Barbara
William R. Freudenberg, University of California–Santa Barbara

An Ecology of Prestige and its Implications for the Social-Ecological Structure and Function of Urban Ecosystems

J.M. Grove, USDA Forest Service
W.R. Burch, Jr., USDA Forest Service
M. Cadenasso, USDA Forest Service
et al

Evaluating Collaborative Resource Management: A Comparative Case Study of Grassbanks

Stephanie L. Grippe, University of Montana

Current Conservation Challenges for Wildlife and their Habitat in Scrub Forests in Pakistan

Ghulam Ali Awan, Quaid-i-Azam University

Environmental Policy (F12)

Moderator: Dennis Propst

Room: Shavano Peak

NEPA and FACA: The Push-Me, Pull-You of Participatory Democracy

Carol Kruse, Bureau of Land Management

The National Landscape Conservation System: An Evolving Legacy for the Bureau of Land Management?

Jeffrey O. Durrant, Brigham Young University

Toward a Methodology for Evaluating Side-Effects of Environmental Policy

Joos Gysen, Catholic University of Leuven
Kris Bachus, Catholic University of Leuven

Political Conflict, Public Lands Law and Administrative Rulemaking: The Forest Service Roadless Rule
 Martin Nie, University of Montana

Land as Legacy: 20th Century American Presidents and the Antiquities Act
 Daniel Dustin, Florida International University
 Leo McAvoy, The University of Minnesota
 Laura Ogden, Florida International University

11:30AM–1:00PM

Buffet Lunch

Best Student Paper Awards
 Room: Longs Peak / Quandary Room

1:00–3:00PM

Concurrent Sessions (See grid on page 25.)

Cross Boundary Management (F13)

Moderator: Dave Theobald
 Room: Crestone 1

Boundaries and Conservation in a Changing American West
 Laurie Yung, University of Montana
 Jill Belsky, University of Montana
 Wayne Friemund, University of Montana

Threats to Protected Areas from Adjacent Land Uses: A Study of Land Use Planning, and Regulations and Best Practices in and Around 18 Mesoamerican Protected Areas
 George N. Wallace, Colorado State University
 Jim Barborak, Colorado State University
 Craig MacFarland, Colorado State University

Cross-boundary Analysis of Protected Areas: A Colorado Example
 David M. Theobald, Colorado State University
 Nate Peterson, Colorado State University

Sharing Conservation Benefits Beyond Boundaries: Does it Help Improve Park-People Relationships? The Case of Royal Chitwan National Park, Nepal
 Prabhu Budhathoki, University of Greenwich

Natural Resource Issues in the West, Part II (F14)

Moderator: Diane Mitsch Bush
 Room: Crestone 2

Ownership Change in the Working Landscapes of the Greater Yellowstone Ecoregion: Findings and Implications
 Hannah Gosnell, Center of the American West
 William R. Travis, University of Colorado
 Julia H. Haggerty, Center of the American West

The Development of a Management Plan for Prairie Dogs on Local Public Lands in an Urban/Rural Interface
 Mark Brennan, Boulder County Parks and Open Space Department

Relationships Between Arizona Ranchers' Socio-economic Characteristics and Use of Certain Management Practices
 Kate Hoffman, Colorado State University

Friday, June 4, 1:00–3:00PM	
Cross Boundary Management	Natural Resource Issues in the West, Part II
Crestone 1	Crestone 2
Recreation Planning I	Marine and Coastal Resource Management, Part II
Crestone 3	Crestone 4
Human Dimensions of Fire Management, Part II	Human-Wildlife Conflicts, Part II
Torreys 1	Torreys 2
Trends in Outdoor Recreation, Part II	Psychological Perspectives in Natural Resources (1–2PM) / Panel (2–3PM)
Torreys 3	Torreys 4
Social Capital	Race, Culture and Outdoor Recreation
Castle Peak 1	Castle Peak 2
Social Perspectives on Non Timber Forest Products	Social Science Lessons and Challenges of Interdisciplinary... (Panel)
Red Cloud	Shavano Peak

Adaptation and Innovation Among Colorado Ranchers: The Role of Education and Communication in Reinforcing Range Stewardship
 Caroline A. Kennedy, Utah State University
 Mark W. Brunson, Utah State University

Are Land-use Planning Policies Effective in Protecting Open Space and Quality-of-Life? A Case Study from the Rocky Mountain West
 Michael D. Smith, Humboldt State University
 Lisa M. Spadoni, Humboldt State University

Recreation Planning, Part I (F15)

Moderator: Bob Itami
 Room: Crestone 3

Linking User Typologies and Management Preferences Among Users of Three Adirondack Park Remote Areas
 Nancy A. Connelly, Cornell University
 Tommy L. Brown, Cornell University
 Chad P. Dawson, State University of New York–ESF

1:00–3:00PM

Concurrent Sessions (continued)

Recreational Carrying Capacity as a 30 Year Case Study:
What Have we Learned?

Kenneth Chilman, Southern Illinois University
Greg Brown, University of South Australia
James Vogel, EDAW, Inc.

Integrating Social Science Approaches into Long-term
Monitoring of Visitor Resource Impacts in National Parks:
A Proposal

Christopher Monz, St. Lawrence University
Yu-Fai Leung, North Carolina State University
Catherine Dorwart, North Carolina State University

The Challenge of Evaluating the Accomplishment of River
Management Objectives for Hells Canyon

Shannon M. Amberg, University of Idaho
Troy E. Hall, University of Idaho
Edwin E. Krumpe, University of Idaho

Examining the Concept of Zone-Based Management

Kathleen L. Andereck, Arizona State University West
Dave D. White, Arizona State University Main
Richard C. Knopf, Arizona State University West

Marine and Coastal Resource Management, Part II (F16)

Moderator: Rebecca Johnson

Room: Crestone 4

Social Aspects of Coastal Tourism*

Rebecca L. Johnson, Oregon State University
Jessica E. Leahy, University of Minnesota

Managing Endangered Species Within the Use/Preservation
Paradox: Understanding Harassment of the Florida Manatee

Michael G. Sorice, Texas A&M University
C. Scott Shafer, Texas A&M University
David Scott, Texas A&M University

Perceptions of Environmental Conditions and Use
Within the Proposed Strait of Georgia National Marine
Conservation Area, BC, Canada

Rick B. Rollins, Malaspina University-College
David E. McCallum, University of Victoria

A Profile of the Seafood Tourist

William Norman, Clemson University
Sajna Shenoy, Clemson University
Laura W. Jodice, Clemson University

Human Dimensions of Fire Management, Part II (F17)

Moderator: Jonathan Taylor

Room: Torreys 1

No Need to Reinvent the Wheel: How Studies of Other
Hazards and Disasters Can Help Understand Public
Reaction to Wildfire and Focus Future Fire Research
Sarah McCaffrey, USDA Forest Service

Community Preparedness for Wildfire: Taking Action
Before the Event

Pamela J. Jakes, USDA Forest Service
Kristen C. Nelson, University of Minnesota

Community Impacts of Large Wildfire Events: Events,
Issues and Dynamics During Fires

Matthew S. Carroll, Washington State University
Patricia J. Cohn, Washington State University

After the Smoke Clears: The Post-Fire Impacts of Large
Wildfires on Rural Communities

James Burchfield, University of Montana

Human Wildlife Conflicts, Part II (F18)

Moderator: Ashley A. Dayer, Ketil Skogen

Room: Torreys 2

Anticipating the Future of Human-Wildlife Conflict in
the Western United States

Ashley A. Dayer, Colorado State University
Michael J. Manfredi, Colorado State University
Tara L. Teel, Colorado State University
et al

Networking Information on Wildlife Damage
Management in North America

Robert M. Timm, University of California

Paying for Tolerance? The Impact of Depredation and
Compensation Payments on Rural Citizens' Attitudes
Toward Wolves

Lisa Naughton, University of Wisconsin
Rebecca Grossberg, Madison Environmental Group Inc.
Adrian Treves, Wildlife Conservation Society

Reflections on Cooperation Between Wolf Opponents and
Supporters in the French Alps

Isabelle Mauz, Cemagref-UR DTM

From Fear to Curiosity—An Education Programme in
Norway

Kristin Evensen Gangås, Norwegian Ministry of
Environment

Trends in Outdoor Recreation, Part II (F19)

Moderator: Ken Cordell

Room: Torreys 3

Development and Testing of a Revised Model of Leisure
Constraint and Negotiation in Outdoor Recreation

Dave D. White, Arizona State University
Randy J. Virden, Arizona State University
Gordon J. Walker, University of Alberta

Attachment, Involvement, Quality, Satisfaction, and Future
Invention Between Overnight Visitors and Day Users

Joohyun Lee, Florida State University
Alan R. Graefe, The Pennsylvania State University
Robert Burns, University of Florida

Under the Cover of Night: Tracking Overnight Visitor Use in Ironwood Forest National Monument

Randy Gimblett, The University of Arizona
Jonathan Scholnick, The University of Arizona
Spencer Lace, The University of Arizona

Trail Conditions and Visitors' Evaluation in Rishiri-Rebun-Sarobetsu National Park, Japan

Tetsuya Aikoh, Hokkaido University
Tsuyoshi Noritomi, Hokkaido University
Shoichiro Asakawa, Hokkaido University

Psychological Perspectives in Natural Resources (F20)

Moderator: Dawn Hill

Room: Torreys 4

An Exploration of Three Western Radical Environmental Philosophies: Deep Ecology, Social Ecology, & Ecofeminism

AnneMarie Lankard Moore, University of Idaho
William J. McLaughlin, University of Idaho

Opening Pandora's Box: The Role of Deep Psychology in Environmental Conflict Resolution

Alan Miller, University of New Brunswick
Julie Devlin, University of New Brunswick
Carla Gunn, University of New Brunswick

Evolutionary Psychology as Applied to Select Natural Resource Management Issues

Kent Clement, Colorado Mountain College

Are Environmental Attitudes Predictive of Support for Marine Conservation? Results from a Hawaii Test Case

John E. Parks, Community Conservation Network

Panel Session: The Necessity and Utility of Conservation Psychology in Environmental Venues

Moderator: Dawn Hill

Dawn Hill, University of Arizona
John E. Parks, Marine Research Associate
Susan Clayton, Wooster College
Amara Brook, University of Michigan
Yuko Heath, University of Victoria

Social Capital (F21)

Moderator: Dorothy Anderson

Room: Castle Peak 1

Social Capital and Trust in the Kaskaskia Watershed
Jessica E. Leahy, University of Minnesota

Findings from the Northwest Economic Adjustment Initiative Assessment

Jonathan Kusel, Forest Community Research
Lita Buttolph
Mark Baker
et al

Empowerment for Sustainable Community Development
Sunny Jeong, University of Illinois at Urbana-Champaign

What is the Value of Participation: Using Social Capital to Understand Sustainable Management of Tohono O'odham Rangelands

Jennifer S. Arnold, The University of Arizona

Race, Culture and Outdoor Recreation (F22)

Moderator: Kindal Hunt

Room: Castle Peak 2

Understanding Radical and Ethnic Differences in Conservation Attitudes

Chi-Ok Oh, Texas A&M University
Robert B. Ditton, Texas A&M University

A Cross-Cultural Model of Customer Service in Forest Recreation

Chieh-Lu Li, The University of Hong Kong
Harry C. Zinn, The Pennsylvania State University
Alan R. Graefe, The Pennsylvania State University
et al

Hispanics, Ethnicity, Race and Leisure

Sergio L. Herrera, Texas A&M University
David Scott, Texas A&M University

Integrating Social Equity into the Measurement of Human Values in Outdoor Recreation

Laura Cauley, University of Montana
Neil Moisey, University of Montana
Wayne Freimund, University of Montana

Social Perspectives on Non Timber Forest Products (F23)

Moderator: Susan Charnley

Room: Red Cloud

Incentives and Institutions in NTFP Management
Darcy A. Mitchell, Royal Roads University

A Political Ecology Framework for Incorporating Disciplinary Power into NTFP Political Analysis

Rebecca J. McLain, Institute for Culture and Ecology

Commodity Chains and the Informal Economy: Understanding Non Timber Forest Product (NTFP) Firms and Markets

Susan Alexander, USDA Forest Service
Rebecca Richards, University of Montana

Panel Session: Social Science Lessons and Challenges of Interdisciplinary Research in Natural Resource Management: The NSF-IGERT Experience (F24)

Moderator: Max Nielsen-Pincus

Room: Shavano Peak

Max Nielsen-Pincus, University of Idaho
Jo Ellen Force, University of Idaho
Shannon Donovan, University of Idaho
Wayde Morse, University of Idaho & CATIE (Costa Rica)
J.D. Wulfhorst, University of Idaho

3:00–3:15PM

Break

3:15–5:45PM

Concurrent Sessions (See grid on this page.)

International Natural Resource Management (F25)

Moderator: Cecilia Danks

Room: Crestone 1

Adoption of Sustainable Natural Resource Management Practices by Smallholders in Upper Nimba County, Liberia
Cynthia F. Van Der Wiele, North Carolina State University

Forest Policy Reform in the Baltic States: The Structuration of Policy Subsystems
Alexios Antypas, Central European University

Watershed Management in Lebialem Division South-West Province Cameroon
Akoh Godlove Age, Lebialem Environmental Management Project

Planning for Sustainability: A Transdisciplinary Approach to Water Resources in Mexico
Marta M. Chávez-Cortés, Universidad Autónoma Metropolitana-Xochimilco

Conservation Needs in Lithuania: Introducing Participatory Planning Approach in Post-Soviet Political System
Marius Lazdinis, Swedish University of Agricultural Sciences
Per Angelstam, Örebro University
Andrew Carver, Southern Illinois University
et al

Transportation in Natural Resource Planning (F26)

Moderator: Peter Newman

Room: Crestone 2

Evaluating the Impact of the Zion National Park Shuttle System on Visitors and Local Businesses
Britton L. Mace, Southern Utah University
Joshua Marquit, Southern Utah University

Alternative Transportation on Public Lands: Striking a Balance Between Resource Protection and Visitor Experience
Natalie Sexton, Fort Collins Science Center
Shana Gillette, Fort Collins Science Center
Lynne Caughlan, Fort Collins Science Center

Challenges Involved in Comprehensive and Innovative Transportation Planning
Joanna Endter-Wada, Utah State University
Dale J. Blahna, Utah State University
Judy Kurtzman, Utah State University
et al

Don't Pave Paradise: Power, Community Collaboration, and the Politics of Transportation Planning
Chuck Harris, University of Idaho

Friday, June 4, 3:15–5:45PM

International Natural Resource Management	Transportation in Natural Resource Planning
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Crestone 1	Crestone 2
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Recreation Planning, Part II	Human Dimensions of Fisheries
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Crestone 3	Crestone 4
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Human Dimensions of Fire Management, Part III	Human-Wildlife Conflicts, Part III
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Torreys 1	Torreys 2
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Outdoor and Adventure Pursuits on the Public Lands (Panel)	Environmental Meaning and Sense of Place
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Torreys 3	Torreys 4
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Watershed Planning	Native/ Indigenous Issues in Natural Resource Management
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Castle Peak 1	Castle Peak 2
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Recreation Quality and Satisfaction	Human Dimensions of Agriculture
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Red Cloud	Shavano Peak
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Recreation Planning, Part II (F27)

Moderator: Kathy Andereck

Room: Crestone 3

Quality Recreation Opportunities: A Management Decision System
Kenneth Chilman, Southern Illinois University
Greg Brown, University of South Australia
James Vogel, EDAW, Inc.

Monitoring Visitor Flows and Associated Backcountry Impacts in the Frank Church- River of no Return Wilderness
Randy Gimblett, The University of Arizona
Bob Itami, GeoDimensions Pty Ltd
Suzanne Cable, USDA Forest Service
et al

Carrying Capacity Planning and Decision Making in the U.S. National Parks: An Update
Kerri L. Cahill, National Park Service

Level of Service for Managing Day Use Recreation Facilities and Carrying Capacity
Bob Itami, GeoDimensions Pty Ltd
Kathryn Williams, University of Melbourne
Hamish Webb, University of Melbourne

Measuring Visitation in Frontcountry Environments:
Boulder, Colorado Case Study
Matt Jones, City of Boulder Open Space and Mountain
Parks
John P. Titre, Park Studies, Inc.
Matthew L. Bates, Park Studies, Inc.
et al

Human Dimensions of Fisheries (F28)

Moderator: David Loomis
Room: Crestone 4

Examining Catch and Release Fishing: Can We Predict
Conservation Behavior for Saltwater Anglers?
Kristy Wallmo, National Marine Fisheries Service
Brad Gentner, National Marine Fisheries Service

Will Outlaw Fishing Grab on in Missouri?
Mark Morgan, University of Missouri–Columbia

A Discriminate Analysis of Social and Psychological
Factors Influencing Sportfishing Participation
Diane Kuehn, State University of New York

Why Louisiana Anglers Fish: An Empirical Analysis
Jack Coburn Isaacs, Louisiana Department of Wildlife
and Fisheries
Yeong Nain Chi, Louisiana Department of Wildlife and
Fisheries

Understanding the Importance of Remoteness to Tourism:
A Case Study of Fishing-Based Tourism in Ontario
Len M. Hunt, Ontario Ministry of Natural Resources
Peter C. Boxall, Ontario Ministry of Natural Resources
Wolfgang Haider, Ontario Ministry of Natural
Resources
et al

Integrating social science into fisheries modeling in the
Great Barrier Reef Commercial Line Fishery
Stephen Sutton, James Cook University
Barry Goldman, James Cook University
Gavin Begg, James Cook University
et al

Human Dimensions of Fire Management, Part III (F29)

Moderator: Jacqueline Vaughn
Room: Torreys 1

Accounting for the Market and Non-market Impacts of
Wildfires on Local and Regional Economies
Thomas P. Holmes, USDA Forest Service
Karen L. Abt, USDA Forest Service
Jeffrey P. Prestemon, USDA Forest Service
et al

Socioeconomic Impact of Fire Policy
Cassandra Moseley, University of Oregon

Policy and Institutional Arrangements in Wildland Fire
Programs
Charles Wise, Indiana University
Andrew J. Yoder, Indiana University

Antecedents to Community Benefits from the Utilization
of Fuel Reduction By-products
Dennis R. Becker, USDA Forest Service
Joel Viers, Northern Arizona University

Human-Wildlife Conflict, Part III (F30)

Moderator: Ketil Skogen, Ashley Dayer
Room: Torreys 2

A Community Based Approach to Resolving Conflicts
Between People and Canada Geese
Pete Squibb, Wildlife Solutions, LLC
John Hadidian, The Humane Society of the United States

Community Based, Nonlethal Strategies for Resolving
Conflicts Between Humans and Mountain Lions
Christopher M. Papouchis, Mountain Lion Foundation
Lynn Michelle Cullens, Mountain Lion Foundation

Coexisting with Carnivores in the U.S.: Overcoming
Prejudice & Persecution
Camilla H. Fox, Animal Protection Institute

Incentive Strategies for Carnivore Conservation
Nina Fascione, Defenders of Wildlife

Social Science Perspectives on the Prevention and Mitigation
of Human-Mountain Gorilla Conflict in Southwest Uganda
Francine Madden, Terralingua

Panel Session: Outdoor and Adventure Pursuits on the Public Lands: Persistent and Emerging Challenges for Management and Public Policy (F31)

Moderator: Alan Ewert
Room: Torreys 3

Aram Attarian, North Carolina State University
Keith Russell, University of New Hampshire
Steve Hollenhorst, University of Idaho
Alan Ewert, Indiana University

Environmental Meaning and Sense of Place (F32)

Moderator: Dan Williams
Room: Torreys 4

Camp Culture and the Nature of Place Attachment in
Northeastern Vermont
Rodney R. Zwick, Lyndon State College
Ralph Brown, Brigham Young University

Examining the Relationship Between Place Attachment
and Visitor Benefits
Jennifer Heisey, University of Minnesota
Ingrid E. Schneider, University of Minnesota

Place Meanings: Reflections from Outdoor Enthusiasts
Jacquelyn E. Presley, University of North Carolina at
Chapel Hill

A Taxonomi on Relationship with Nature
Berit K. Svanqvist, Karlstad University

3:15–5:45PM

Concurrent Sessions (continued)

Sense of Place/Loss of Place

Michael E. Patterson, University of Montana
Daniel R. Williams, USDA Forest Service

Place Attachment and Amenity Resources in a State Park and Surrounding Community

William W. Hendricks, California Polytechnic State University

Watershed Planning (F33)

Moderator: Roxanne Hernandez

Room: Castle Peak 1

Muddy Creek Coordinated Resource Management Project, Carbon County, Wyoming

Jim Thompson, University of Wyoming

Development and Impact of Local Watershed Organizations in Pennsylvania

Kathryn Brasier, The Pennsylvania State University
Richard Stedman, The Pennsylvania State University
Brian Lee, University of Kentucky
et al

The Etowah Aquatic Habitat Conservation Plan: A Watershed Approach to Conservation in a Rapidly Developing Landscape

Curt D. Gervich, University of Georgia
Laurie Fowler, University of Georgia
Susan Kidd, University of Georgia

Watershed Planning and Legitimacy: Is Legitimacy Relevant for the Watershed Planning Process?

Steven E. Kraft, Southern Illinois University
Chris Lant, Southern Illinois University
Leslie Duram, Southern Illinois University
et al

Proactive Watershed Stewardship: Enhancing Landowner Ownership of the Management Plan Process

Kristin Floress, Southern Illinois University
Jean C. Mangun, Southern Illinois University
Karl W. J. Williard, Southern Illinois University
et al

Nipped in the Bud: Why Regional Scale Adaptive Management is Not Blooming

Catherine Allan, Charles Sturt University
Allan Curtis, Charles Sturt University

Native/ Indigenous Issues in Natural Resource Management (F34)

Moderator: Myron Floyd

Room: Castle Peak 2

Atikamekw and Industrial Paradigms for Forestlands: Who Decides for Forests and How Do They Do It?
Stephen Wyatt, Université Laval

Imperialist States, Tribes, and the Struggle Over Nuclear Waste Storage

J.D. Wulffhorst, University of Idaho
Taunya Jones, Utah State University
Richard S. Krannich, Utah State University
et al

Native American Tribal Participation in Collaborative Resource Management

Bill Leach, California State University–Sacramento
Kathryn Reza, Circuit Rider Productions, Inc.

Understanding Visitor and Inuit Landscape Orientations in Auyuittuq National Park of Nunavut, Canada

Paul Lachapelle, The University of Montana
Steve McCool, The University of Montana
Alan Watson, Aldo Leopold Wilderness Research Institute

Maori Values and Preferences in Indigenous Forest Management in New Zealand

Gerard Fitzgerald, Fitzgerald Applied Sociology

Democratizing Resource Planning: Landscape Visualization as an Indigenous Community Involvement Tool

Stephen R.J. Sheppard, University of British Columbia
John L. Lewis, University of British Columbia

Recreation Quality and Satisfaction (F35)

Moderator: Alan Graefe

Room: Red Cloud

Experience Attributes and Instream Flow Preferences: A 12 Year Comparison on the Colorado River

Erik A. Backlund, University of Illinois Urbana-Champaign
William P. Stewart, University of Illinois Urbana-Champaign

The Roles of Commercial Guides and Their Effect on the Outcomes of Recreation

Christine Oschell, University of Montana

Do We Get Satisfactory Results from Satisfaction Research: A Critique of the Literature

Erwei Dong, The Pennsylvania State University
Alan R. Graefe, The Pennsylvania State University

Using Events to Measure the Quantity-Side of Recreation Satisfaction: A Preliminary Study of Deer Hunting Productivity

Chad D. Pierskalla, West Virginia University
Shawn T. Grushecky, West Virginia University
John Edwards, West Virginia University

Assessing Visitor Experiences in Two Northeastern Wilderness Areas: An Application of Stress Coping Theory

John G. Peden, State University of New York
Rudolph M. Schuster, State University of New York

Human Dimensions of Agriculture (F36)

Moderator: Douglas Jackson-Smith

Room: Shavano

Aldo Leopold and the Land Grant
Universities: A New Agriculture Ethic for
Policy-Makers

John E. Carroll, University of New
Hampshire

Without the Forest, the Field Suffers- Land
Management Strategies Among Small-Scale
Farmers in Eastern Amazon

Kristina Marquardt, The Swedish
University of Agricultural Sciences

Rural Resistance to Globalization: New
Agrarianism and its Democratic Roots

John E. Carroll, University of New
Hampshire

The Relationship Between Farm Size and
Environmental Behavior

Sarah Bowen, University of
Wisconsin-Madison

Adam Jacobs, University of
Wisconsin-Madison

Pete Nowak, University of
Wisconsin-Madison

The Provision of Information, Advice and
Training to the Scottish Farming Sector: A
Study of the Key Organizations

Ana M. Dahlin, Escola Superior Agrária
de Castelo Branco

Fraser Quin, Scottish Agricultural
College-Edinburgh

The Social Aspects of Agriculture
Douglas Jackson-Smith, Utah State
University

6:00-7:00PM

IASNR Student Chapter Discussion

Room: Crestone 1

Please join natural resource students and faculty to discuss the development, leadership and administration of university-based student chapters for the International Association for Society and Natural Resources (IASNR). This will be a discussion-based format to share ideas, solicit input and provide feedback about student-based organizations in university departments and colleges that address the human dimensions of natural resource management.

saturday, june 5

7:30AM-1:30PM

Registration

Lobby

8:00AM-4:00PM

Poster Session (See poster titles on page 38.)

Room: Shavano/Crestone Foyer

8:15AM- 9:45PM

Plenary Session

Room: Red Cloud/Shavano

Opening Remarks:

Brett Bruyere, Colorado State University

Tom Heberlein, University of Wisconsin

Keynote:

Perry Brown, University of Montana

10:00AM-NOON

Concurrent Sessions (See grid on page 32.)

Recreation Conflict, Part I (S1)

Moderator: Teresa Stoker

Room: Crestone 1

Recreation Conflict Analysis and Management
Implications in the Black Forest Nature Park:
A Case Study of Nature Sport Clubs
Carsten Mann, University of Freiburg

Coping with Stressful Situations in
Wilderness: Non-Hunters Response to
Unwanted Social Interaction with Hunters
Rudolph M. Schuster, SUNY College of
Environmental Science and Forestry

William E. Hammitt, Clemson University

An Analysis of Recreational Target Shooting
on the Pawnee National Grasslands, Colorado
N. Kathryn Morgan, Colorado State
University

Peter Newman, Colorado State University
George Wallace, Colorado State University

Integrating Social Science Research in Forest Management (S2)

Moderator: Fred Clark

Room: Crestone 2

The Utility of Dynamic Displays of Census
Data for Decision Making During a
Planning Process

Jason M. Siniscalchi, West Virginia
University

Chad. D. Pierskalla, West Virginia University
Steve W. Selin, West Virginia University

Saturday at a Glance

	8:00
Plenary Session 3	8:30
	9:00
	9:30
Concurrent Sessions 9	10:00
	10:30
	11:00
	11:30
Lunch (on your own)	NOON
	12:30
	1:00
Concurrent Sessions 10	1:30
	2:00
	2:30
	3:00
	3:30
	4:00
IASNR Annual Meeting	4:30
	5:00
	5:30
	6:00
	6:30
	7:00
	7:30
	8:00
	8:30
	9:00

Friday, June 4 / Saturday, June 5

10:00AM–NOON

Concurrent Sessions (continued)

The Attitudes, Beliefs, and Values Technical Guide: A USDA Forest Service Resource Inventory and Monitoring Protocol for Social Landscapes

Robert S. Potts, USDA Forest Service
Fred P. Clark, USDA Forest Service
Denise Wickwar, USDA Forest Service

Panel Session

Moderator: Fred Clark

Fred Clark, USDA Forest Service
Pam Jakes, USDA Forest Service
Linda Kruger, USDA Forest Service
Bill Stewart, University of Illinois

Public Involvement, Part I (S3)

Moderator: Steven Daniels

Room: Crestone 3

Agency and Public Perceptions of Public Involvement Needs in Transportation Planning in Utah: Implications for Procedural Justice and Shared Learning

Dale J. Blahna, Utah State University
Joanna Endter-Wada, Utah State University
Christina Kliem, Utah State University
et al

Applying Shifts in Thinking to Current Public Involvement Practice

Lawrence A Baschak, Public Involvement and Aboriginal Affairs, Saskatchewan Environment

Defining Success in Public Involvement: A Delphi Study

Jo Ellen Force, University of Idaho
Teresa A. Kubo, University of Idaho

Why Didn't They Come? A New Perspective on Participation in Forest Planning

Katherine M. Detmar, Colorado State University
Antony S. Cheng, Colorado State University

Public and Environmental Health (S4)

Moderator: Kathleen Halvorsen

Room: Crestone 4

Great Lakes Area Septic System Regulation

Kathleen E. Halvorsen, Michigan Technological University
Hugh S. Gorman, Michigan Technological University
Kristine Bradof, Michigan Technological University

The Tale is in the Tail: Assessing the Disproportionality of Toxic Releases

Lisa M. Berry
William R. Freudenburg
Frank M. Howell

In Defense of Rural Sovereignty to Protect the Environment and Public Health

Jonathan L. Clark, The Pennsylvania State University

Saturday, June 5, 10:00AM–NOON

Recreation Conflict, Part I	Integrating Social Science Research in Forest Management (Panel)
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Crestone 1	Crestone 2
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Public Involvement, Part I	Public and Environmental Health
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Crestone 3	Crestone 4
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People, Fire, and Forests (Panel)	Natural Resource Agency Issues
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Torreys 1	Torreys 2
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Gender Issues in Natural Resource Management	Conflicts in Land Use
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Torreys 3	Torreys 4
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Education vs Regulation	Current Trends and Impacts in Integrative Natural Resource... (Panel)
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Castle Peak 1	Castle Peak 2
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Common Pool...(10–11AM) / Developing Systematic... (11AM–NOON) (Panel)	Visual Resource Management
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Red Cloud	Shavano
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Panel Session: People, Fire and Forests: Management Recommendations and Managers' Responses (S5)

Moderator: Pam Jakes

Room: Torreys 1

Natural Resource Agency Issues (S6)

Moderator: Richard S. Krannich

Room: Torreys 2

The Role of Traps and Trapping in Contemporary Wildlife Management: Assessing the Attitudes and Values of Conservation Professionals

Robert M. Muth, University of Massachusetts
Rodney R. Zwick, Lyndon State College
Martha E. Mather, Massachusetts Cooperative Fish and Wildlife Research Unit
et al

Stakeholder Versus Staff Perceptions of Collaboration in Natural Resource Planning

Paul M. Whitworth, University of Utah
Gary D. Ellis, University of Utah

Why Don't They Trust Us? Perceptions of the Agency-Community Relationship from the Agency Perceptive
 Mae A. Davenport, University of Minnesota
 Jessica E. Leahy, University of Minnesota
 Dorothy H. Anderson, University of Minnesota
et al

The Voices of Trust, Distrust, and Neutrality: An Examination of Fire Management Opinions in Three States
 Patricia L. Winter, USDA Forest Service
 George T. Cvetkovich, Western Washington University

Canadian Foresters Speak Out: Importance of Social and Aboriginal Issues in Forester Education and Forest Management Practices
 Trena Allen, University of Alberta
 Naomi T. Krogman, University of Alberta

Natural Resource Management Professionals Engage Their Future*
 R. Bruce Gill, Colorado Division of Wildlife (ret.)

Gender Issues in Natural Resource Management (S7)

Moderator: Robert Jones
 Room: Torreys 3

Men, Women, and Favorite Outdoor Activities: Expressing Differences
 Laurlyn K. Harmon, The Pennsylvania State University
 Harry C. Zinn, The Pennsylvania State University

Assessing the Impact of Women's Inclusion on the Management of Common Property Forests in West Bengal
 Debdatta Sengupta, The Pennsylvania State University
 A. E. Luloff, The Pennsylvania State University

Implications of Female Nonresponse for Human Dimensions Researchers
 Cynthia A. Jacobson, Cornell University
 Tommy L. Brown, Cornell University
 Dietram A. Scheufele, Cornell University

Gender Differences Among Wildlife Viewers
 Rainry Salk, University of Minnesota
 Ingrid Schneider, University of Minnesota

Conflicts in Land Use (S8)

Moderator: Susan Stewart
 Room: Torreys 4

Conflicts and Alliances in Restoring Nature: A Case of Transformation from Firing Range to National Park
 Karoline Daugstad, University Centre
 Hanne Svarstad, Norwegian Institute for Nature Research

Discourses of Land Use Conflicts: Examining Recreation and Subsistence Conflicts in Alaska and Finland
 Joan Kluwe, URS Corporation
 Troy Hall, University of Idaho

Raise the Gangplank: A Defense of Localism Aimed at Resource Protection
 Eric Olson, University of Wisconsin-Madison

Spatiotemporal Dynamics of Housing Growth Hotspots in the Northeastern U.S. from 1940 to 2000
 Christopher A. Lepczyk, University of Wisconsin-Madison
 Roger B. Hammer, University of Wisconsin-Madison
 Volker C. Radeloff, University of Wisconsin-Madison
et al

Education vs Regulation (S9)

Moderator: Richard C. Knopf
 Room: Castle Peak 1

Effectiveness of Low Impact Education to Reduce Resource Impacts
 Matt Jones, City of Boulder Open Space and Mountain Parks
 Brett Bruyere, Colorado State University

Education Versus Regulation, Their Influence on the Manatee's Landscape: An Estuarine Example
 R. O. Flamm, Florida Marine Research Institute
 Janet Gannon, Florida Marine Research Institute
 Michael Sorice, Florida Marine Research Institute
et al

Onsite Fear Appeal Signs Do Not Influence Boater Behavior in Manatee Speed Zones
 Michael G. Sorice, Florida Marine Research Institute
 Richard O. Flamm, Florida Marine Research Institute
 Sara L. McDonald, Florida Marine Research Institute

Why Anglers Cheat: Responses to Fishing Quality, Risk Perceptions of Enforcement, and Historical Context
 Jordan R. Walker, Alberta Department of Fisheries and Wildlife
 A. L. Foote, University of Alberta
 Michael G. Sullivan, Alberta Department of Fisheries and Wildlife

Managing Depreciative Behavior in Natural Settings: A Review of Research and Implications for Management
 Richard C. Knopf, Arizona State University
 Kathleen L. Andereck, Arizona State University

Panel Session: Current Trends and Impacts in Integrative Natural Resource Programs (S10)

Moderator: Robin Shepard
 Room: Castle Peak 2

Robin Shepard, University of Wisconsin Extension
 Garrett O'Keefe, Colorado State University
 Rebecca Power, University of Wisconsin Extension
 Kenneth Genskow, University of Wisconsin Extension
 Peter Nowak, University of Wisconsin-Madison

10:00AM–NOON

Concurrent Sessions (continued)**Common Pool Resources (10:00–10:45AM) (S11)**

Moderator: John Schelhas

Room: Red Cloud

A Common-Pool Resource Approach to Forest Health:
The Case of the Southern Pine Beetle
John Schelhas, USDA Forest Service
Joysee Rodriguez Baide, Auburn University
Joseph Molnar, Auburn University

Traditional Water Management Practices and Their
Implications in Contemporary Policy Context
Nandita Singh, Royal Institute of Technology

Common Property and Natural Resource Usage and
Management: A Theoretical Framework for the Fishery
Industry in Nigeria
Tokunbo Simbowale Osinubi, University of
Lagos–Akoka

**Panel Session: Developing Systematic and Temporal
Measures of Conservation Action Success for Results
and Accountability (11:00AM–NOON)**

Moderator: Mike Manfredo

Richard Aiken, U.S. Fish and Wildlife Service
Richard Margoluis, Foundations of Success
Michael Manfredo, Colorado Sate University

Visual Resource Management (S12)

Moderator: Mark Needham

Room: Shavano Peak

A Proposed Methodology for Automating Four
Dimensional Landscape Planning and Design
Ken B. Fairhurst, University of British Columbia

Moving Beyond Visual Resource Management: Isn't It
Time for a New Model Based on Visible Stewardship?
Stephen R.J. Sheppard, University of British Columbia

Automating the Visualization of Variable Retention:
New Tools for the Timely Assessment of Visual
Landscape Characteristics
Michael J. Meitner, University of British Columbia
Ryan Gandy, University of British Columbia
Ken Fairhurst, University of British Columbia

Public Acceptance of Elk and Vegetation Management
Alternatives in Rocky Mountain National Park
Peter J. Fix, University of Alaska Fairbanks
Susan C. Stewart, Colorado State University
Michael J. Manfredo, Colorado State University

Conceptions of Forest Regeneration and Acceptability of
Alternatives to Clearfell Harvesting
Rebecca Ford, University of Melbourne
Kathryn Williams, University of Melbourne
Ian Bishop, University of Melbourne
et al

NOON–1:30PM

Lunch (on your own)

12:15–1:00PM

Prospective Student Information Session (brownbag): Yale

University School of Forestry and Environmental Studies
Room: Red Cloud

1:30–4:00PM

Concurrent Sessions (See grid on page 35.)**Recreation Conflict, Part II (S13)**

Moderator: Mark Needham

Room: Crestone 1

Attitudes, Perceptions, and Norms Toward Off-Road
Vehicle Use at Hatteras National Seashore
Hans Vogelsong, East Carolina University

Environmental Attitudes and Concern: Differences
Between Motorized and Non-Motorized Recreationists?
Odd Inge Vistad, Norwegian Institute for Nature Research
Margrete Skår, Norwegian Institute for Nature Research

Understanding the Potential for ATV/OHM and
Hunter Conflict in Idaho: A Survey of ATV/OHM
Owners and Hunters
Nick Sanyal, University of Idaho

Skill Level and Interpersonal / Social Values Conflict
Among Hikers and Mountain Bikers
Rachel L. Dyar, Colorado State University
Jerry J. Vaske, Colorado State University
Maureen P. Donnelly, Colorado State University

Understanding Differences Between Motorized and Non-
Motorized Watercraft Users at Waldo Lake, Oregon
Robert C. Burns, University of Florida
Alan R. Graefe, The Pennsylvania State University

Water Quality and Conservation (S14)

Moderator: Mark Brunson

Room: Crestone 2

Using Theory to Understand Public Support for Specific
Management Proposals Designed to Alleviate Water
Supply Problems in Non-Arid Environments
Aaron S. Routhe, University of Tennessee
Robert Emmet Jones, University of Tennessee
David Feldman, EERC and SEWPI

Forest Valuation and Water—The Need to Reconcile
Public and Science Perceptions.
Akoh Godlove Age, Lebialem Environmental
Management Project

Water Quality: Perceptions of City Residents, Community
Leaders, and Developers in Cedar Rapids, Iowa
Andrea Frost, Iowa State University
Jan Thompson, Iowa State University

Saturday, June 5, 1:30–4:00PM	
Recreation Conflict, Part II	Water Quality and Conservation
Crestone 1	Crestone 2
Public Involvement, Part II	Issues in Community Based... (1:30–2:30PM) / Challenges of Community... (2:30–4PM)
Crestone 3	Crestone 4
Fire Management and Social Science Research	Teaching, Youth and the Future of Natural Resources
Torreys 1	Torreys 2
Social Impact Assessment	Issues in Land Use
Torreys 3	Torreys 4
Benefits and Motivations	Place-Based Collaborative... (1:30–2:30PM) / A Social Science... (Panel) (2:30–4PM)
Castle Peak 1	Castle Peak 2
Community, Collaboration and Conflict	Structure and Function of Human Dimensions in State Wildlife Agencies
Red Cloud	Shavano Peak

Public Involvement, Part II (S15)

Moderator: Steven Daniels
Room: Crestone 3

- Citizen Participation In Public Meetings
Kathleen E. Halvorsen, Michigan Technological University
- The Economic Profile System (Eps) as a Participatory Tool for Blm Planning
Robert Winthrop, USDI Bureau of Land Management
Rebecca H. Carter, Sonoran Institute
- Handling and Analysis of Public Comments In Natural Resource Management Planning
Lisette B. Thurgood, Brigham Young University
Jeffrey O. Durrant, Brigham Young University
- Wildlife Conflict in a Collaborative Era: Producing Relevant Social Knowledge
Michael E. Patterson, University of Montana
Jessica M. Montag, University of Montana
- The De-Centering of Environmental Governance: A History of Public Participation in Canadian Forest Management
John Parkins, Natural Resources Canada

Reshaping Policy Development for Natural Resources: Incorporating Knowledge Management into the Public Involvement Process
Nancy Goucher, University of Waterloo
Sarah Michaels, University of Waterloo

Issues in Community Based Management and Forest Planning (1:30–2:30PM) (S16)

Moderator: A.E. Luloff
Room: Crestone 4

- A Comparative Response to Community-Based Forestry
A.E. Luloff, The Pennsylvania State University
James Finley, The Pennsylvania State University
Jennifer Steele, West Virginia State University
- Towards s Theory Driven Approach to the Evaluation of Community Based Natural Resource Management Programs
Martin Lenihan, The Pennsylvania State University
- A Question of Value: What Do Trees and Woodlands Mean to People In England And Vermont?
Elizabeth A. O'Brien, Alice Holt Lodge

Panel Session: Challenges of Community Forestry Research in the U.S.: Participatory Approaches and Enduring Questions (2:30–4:00PM)

Moderator: Cecelia Danks

- Cecilia Danks, University of Vermont
- Carl Wilmsen, University of California, Berkeley
- Yvonne Everett, Humboldt State University
- Maria Fernandez-Giminez, Colorado State University
- Jonathon Kusel, Forest Community Research

Fire Management and Social Science Research (S17)

Moderator: James Absher
Room: Torreys 1

- Perceived Risk, Safety and Reactionary Behaviors to Fire Situations Among Florida Tourists
Brijesh Thapa, University of Florida
Stephen M. Holland, University of Florida
James D. Absher, USDA Forest Service
- State Influence on Community Responses to Wildfire Threats: Lessons From Arizona, Colorado and New Mexico
Toddi A. Steelman, North Carolina State University
Ginger Kunkel, North Carolina State University
Devona Bell, North Carolina State University
- Partners or Opponents: Social Negotiation of Fuels Treatment on the Colorado Front Range
Joseph G. Champ, Colorado State University
Jeffrey J. Brooks, Colorado State University
Daniel R. Williams, USDA Forest Service
- Examining Framing Effects On Stakeholders' Responses To Thinning On The Arapaho-Roosevelt National Forests
Michele Burns, Colorado State University

1:30–4:00PM

Concurrent Sessions (continued)

Wildfire Communication At The Wildland/Urban Interface: Lessons From The 2003 Old/Grand Prix Fires In Southern California

Shana Cecile Gillette, U.S. Geological Survey
Jonathan Taylor, U.S. Geological Survey
Judith L. Downing, U.S. Geological Survey
et al

Social Elements Influencing the Use of Fire in Wilderness
Katie Kneeshaw, Aldo Leopold Wilderness Research Institute

Carol Miller, Aldo Leopold Wilderness Research Institute
Alan Watson, Aldo Leopold Wilderness Research Institute

Teaching, Youth and the Future of Natural Resources (S18)

Moderator: Brett Bruyere

Room: Torreys 2

Perspectives on the Next Generation: Urban & Diverse Youth Speak About Nature

Sonja Wilhelm, University of Minnesota

The Roots of Interest in Nature: Outdoor Play and a Social Supportive Network

J. Joy James, Clemson University
Robert D. Bixler, Clemson University

Teaching About the Social Sciences and Natural Resources: Opportunities for Innovative Teaching
Brian W. Eisenhauer, Plymouth State University
Joan M. Brehm, Illinois State University

Practicing Sustainability: Evaluating and Redesigning a Capstone Course Entitled “Integrated Natural Resources Planning

Erin Seekamp, University of Idaho
Chuck Harris, University of Idaho

Social Impact Assessment (S19)

Moderator: Rabel Burdge

Room: Torreys 3

“Linkages to the Land”: A Framework for Social Assessment and Impact Analysis on Public Lands

Joanna Endter-Wada, Utah State University
Dale J. Blahna, Utah State University

Why Are Natural Disasters Not “Natural” For Victims? A Conceptual Framework Addressing Victims’ Attributions for the Causes Of Natural Disasters

Yoshitaka Kumagai, Akita International University
Matthew Carroll, Washington State University

Issues in Land Use (S20)

Moderator: Dave Theobald

Room: Torreys 4

Conservation Easements on Working Forests and Ranches: The Development of Acceptable Stewardship Guidelines

Brian T. Riley, San Isabel Land Protection Trust

Social Forces Driving Land Use Choices and their Spatial Characteristics: A Case Study in The Mesoamerican Biological Corridor

Wayde Morse, University of Idaho

Factors Influencing Local Planning Officials’ Willingness to Balance Natural Resources with Community Growth

Brian K. Miller, Purdue University
William Hoover, Purdue University

Been-Here’s Versus Come-Here’s? Not Necessarily. Community and Conflict in Keweenaw County Land Use Planning

Melanie Barbier, Michigan State University
Kathleen Halvorsen, Michigan Technological University

Benefits and Motivations (S21)

Moderator: Rick Rollins

Room: Castle Peak 1

Healthy Parks, Healthy People: Implications for Environmental Managers & Policy-Makers of the Recently Confirmed Relationship Between Human Health & Contact with Nature

John Senior, Parks Victoria
Mardie Townsend, Deakin University

The Role of Backpacking in Wilderness Therapy: Exploring Impacts on Troubled Adolescent Women

Dave D. White, Arizona State University
Michael Caulkins, Arizona State University

Therapeutic Use of Wilderness Resources: Results of a Two-Year Longitudinal Study of Participants in Wilderness Treatment

Keith C. Russell, University of New Hampshire

Refinements to the Perceived Restorativeness Scale (PRS): Evidence of Reliability and Validity

Edward Ruddell, Salt Lake City Department of Parks, Recreation, and Tourism
Maureen Bennett, Salt Lake City Department of Parks, Recreation, and Tourism

The Characteristics, Motivations, and Recreation Practices of Women Participating in the Texas Becoming an Outdoors-Woman Program

Katherine J. Krippens, Stephen F. Austin State University
Michael H. Legg, Stephen F. Austin State University
Pat Stevens-Williams, Stephen F. Austin State University

Panel Session: Place-Based Collaborative Planning on Federal Public Lands: Concepts, Practices, and Challenges (S22a) (1:30–2:45PM)

Moderator: Antony S. Cheng

Room: Castle Peak 2

Troy Hall, University of Idaho
Rich Stedman, Penn State University
Dan Williams, USDA Forest Service
John Titre, Park Studies, Inc.

Panel Session: A Social Science Research Agenda for Alaska (S22b) (3:00–4:00PM)

Moderator: Linda E. Kruger
Room: Castle Peak 2

Linda E. Kruger, USDA Forest Service
Robert Schroeder, USDA Forest Service
Courtney Flint, Penn State University

Community, Collaboration and Conflict (S23)

Moderator: Robert Muth
Room: Red Cloud

Community Participation and Environmental Activism in the Face of it Industrial Dominance: A Case Study of High-Tech Development in Taiwan
Wen-Ling Tu, University of California at Berkeley

The Status of Social Networks Research in the Context of Society and Natural Resources
Patricia A. Stokowski, University of Vermont
Curt Gervich, University of Vermont

Community Participation in Natural Resource Management Projects: A Focus for International Comparative Analysis
Theresa Selfa, Utah State University
Joanna Endter-Wada, Utah State University

Natural Resource Conflict and Mobilization: A Case Study
Janis Johnston, Colorado State University

Panel Session: Structure and Function of Human Dimensions in State Wildlife Agencies (S24)

Moderator: Larry M. Gigliotti
Room: Shavano Peak

William Romberg, Alaska
David Fulton, Minnesota
Craig Miller, Illinois
Larry Gigliotti, South Dakota
John Smeltzer, Colorado
David Thorne, Missouri
Kristy Wallmo, NOAA Fisheries

4:15–5:30 PM

IASNR Annual Meeting

Room: Red Cloud

IASNR members and prospective members are invited to attend the association's annual meeting. The meeting will include announcement of new council members, a discussion on IASNR student chapters, information and announcements regarding ISSRM sites for 2005 through 2008, and other association details.

sunday, june 6

Explore Colorado / Field Trips

See page 8 for additional information.



Naturalist Hike, Keystone Science School



Major League Baseball: The Colorado Rockies



White Water Rafting & Fly-Fishing, Breckenridge Whitewater



White River National Forest

posters

Room: Shavano/Crestone Foyer
 Thursday, June 3, 10:00AM– 6:00PM
 Friday, June 4, 8:00AM–6:00PM
 Saturday, June 5 8:00AM–4:00PM

Residential Preferences, Satisfaction and the Role of Nature at the Urban Fringe: Environmental Behavioral Theories in Action

Barbara J. Andersen, University of Idaho

Planning for Tourism Development in Swedish Coastal Areas: A Case Study of the Archipelago of Luleå in Northern Sweden

Rosemarie Ankre, European Tourism Research Institute

Using Social Science to Inform Recreational Access Management Planning in the Livingstone River Area

Nicole St. Arnaud, University of Calgary

Learning About Social Change: Using Social Impact Assessment in the Planning/Decision Process

Rabel J. Burdge, Western Washington University

Fire in Southern California: Evaluating Media Content for Coping & Advice

Deborah J. Chavez, USDA Forest Service

Evaluating Change On Public Lands: Picnicking In The Wildland-Urban Interface

Deborah J. Chavez, USDA Forest Service
 David D. Olson, USDA Forest Service

Nontimber Forest Products Management and Biodiversity Conservation in the United States

Eric T. Jones, Institute for Culture and Ecology
 Kathryn A. Lynch, Institute for Culture and Ecology
 Rebecca J. McLain, Institute for Culture and Ecology

A Description of the Collaborative Efforts Operating on Arizona's Rangelands

Sonya Le Febre, Colorado State University
 Maria Fernandez-Gimenez, Colorado State University

Priorities for the "Working Forest"

Karen Fligger, The University of Vermont
 Cecilia Danks, The University of Vermont

Campsite Solitude: A Contingent Valuation Study

Emily J. Harris, Humboldt State University
 Steven R. Martin, Humboldt State University

Coexisting with Carnivores in the U.S.: Overcoming Prejudice & Persecution

Camilla H. Fox, Animal Protection Institute

Preferences Regarding Landscape Change in European Mountains: From Survey Results to a Comprehensive Preference Model

Katrin Gehring, Swiss Federal Research Institute WSL
 Marcel Hunziker, Swiss Federal Research Institute WSL

Integrating the Human Dimensions of Australia's Great Barrier Reef Marine Park

Kerrie Gorman, Great Barrier Reef Marine Park Authority
 James Innes, Great Barrier Reef Marine Park Authority

Managing Links Between Carnivores, Human Behaviour, and Landuse

Robert M. Hansen, Pacific Rim National Park Reserve of Canada
 Geoff Carrow, Pacific Rim National Park Reserve of Canada

Developing a Forest Cover Change Map for Cumberland and Morgan Counties, Tennessee

Donald G. Hodges, The University of Tennessee
 Jeffery D. Strickland, The University of Tennessee
 Aaron R. Wells, The University of Tennessee

Resident, Visitor and Conservation Group Member Preferences for Tourism Development in Hawaii

Samuel V. Lankford, University of Northern Iowa
 Jill K. Lankford, University of Northern Iowa
 Linda Cox, University of Hawaii

Analysis of the Pre and Post Expectations and Experiences in a Marine Park

Samuel V. Lankford, University of Northern Iowa
 Yuka Inui, University of Hawaii at Manoa
 Jill K. Lankford, University of Northern Iowa
 Linda Cox, University of Hawaii

Describing, Monitoring, and Managing Visitor Flows in Parks and Protected Areas Using Computer Simulation

Steven R. Lawson, University of West Virginia
 Robert E. Manning, University of Vermont

Scales of Place: Resource Manager and Community Member Spatial Perceptions of Recreation Areas

Jessica E. Leahy, University of Minnesota
 Mae A. Davenport, University of Minnesota
 Dorothy H. Anderson, University of Minnesota

The Integration of Human Dimensions with the Environmental Context: A Study of Polar Bear Observers in Churchill, Manitoba

R. Harvey Lemelin, Lakehead University

Socio Economic Impact Analysis And Stakeholders' Preferences of the Conservation of the Chobe Forest Reserve, Botswana

Joyce Lepetu, University of Florida

Visitor Perceptions of Management Actions Across the Recreation Opportunity Spectrum

Jeffrey A. Marsolais, Humboldt State University
Steven R. Martin, Humboldt State University

The Relationship Between Outdoor Recreation and Environmentalism

Anne Marx, University of Arkansas

Got Green?: A Spatial and Temporal Analysis of Green Space to Neighborhood Change in Baltimore, Maryland, 1970-2000

Molly E. Michaud, University of Vermont
Morgan Grove, University of Vermont
Austin Troy, University of Vermont
Patricia Stokowski, University of Vermont
Daniel Krymkowski, University of Vermont

Stakeholders' Attitudes About Elk in the Occupied Elk Range in Arkansas

Stephen Parker, University of Arkansas–Monticello
Pat Stephens Williams, University of Arkansas–Monticello
Don White Jr., University of Arkansas–Monticello

Building Watershed Communities Through Citizen Involvement

Steve Padgitt, Iowa State University
Lois Wright Morton, Iowa State University

Exploring Web-Based Public Involvement Strategies in Statewide Outdoor Recreation Planning

Laura Pfister, New Hampshire Office of Energy & Planning
Robert A. Robertson, University of New Hampshire

Pay Pond Fishing Motivations and Catch-Related Standards of Quality

Chad D. Pierskalla, West Virginia University
Michael A. Schuett, Texas A&M University

Using Events to Help Describe Sustainable Places: An Ecological Approach to Forest Recreation Management

Chad D. Pierskalla, West Virginia University
Jason M. Siniscalchi, West Virginia University
Dorothy H. Anderson, University of Minnesota
Martha E. Lee, Northern Arizona University

Resource-Based Recreation Policy & Management in the U.S.: Looking Backwards and Forwards

Dennis B. Propst, Michigan State University
J. Douglas Wellman, North Carolina State University

Feathers of Contention: The Social Construction of the New Zealand Wood Pigeon/Kereru

Melissa Renganathan, Lincoln University
Roy Montgomery, Lincoln University

Incorporating Stakeholder Views: The Mark Twain National Forest User Survey

Getrisc Smith, USDA Forest Service

Partnership and the Protected Landscape Approach to Bioregional Planning: The Beaver Hills Initiative in Alberta

Guy S. Swinnerton, University of Alberta

The Importance of Theses of the "New Home Economics" in the Household Economical Approach of the Hungarian Family Farms

László Vasa, Szent István University
Viktória Tervey, Szent István University

Conservation Psychology: Reaching for the Root of Natural Resources Management

Elli Widolf, University of Tasmania

