

PETER NEWMAN

Department of Natural Resource Recreation and Tourism
College of Natural Resources
Colorado State University
Fort Collins, CO 80523-1480

e-mail: pnewman@cnr.colostate.edu

Phone: (970)-491-2839

Fax: (970) 491-2255

EDUCATION:

Ph.D. Natural Resources, University of Vermont, October, 2002

Advisor: Dr. Robert Manning

Dissertation: Integrating resource, social and managerial indicators of quality into carrying capacity decision-making in Yosemite National Park wilderness.

M.S. Forest Resource Management, S.U.N.Y. College of Environmental Science and Forestry, 1998

Advisor: Dr. Chad Dawson

Thesis: The human dimensions of the wilderness experience in the High Peaks Wilderness Area of the Adirondack State Park.

B.A. Political Science, University of Rochester, 1994

Study Abroad: University of London, England, "Comparative Politics" Fall, 1992

School for International Training, Ecuador, "Ecology" Spring, 1993

CURRENT:

8/02 –Present Assistant Professor of Protected Areas Management, Colorado State University
Faculty member in the College of Natural Resources in the Department of Natural Resource Recreation and Tourism. Conduct research on the human dimensions of resource management and social carrying capacity in national parks, wilderness and related areas. Currently teach: Principles of Protected Areas Management (RR 231), Social Aspects of Resource Management (RR 330) and the Fundamentals of Protected Areas Management (RR 331).

Graduate Students:

Chad Schneckenburger, MS; 5/04

Katherine Morgan, MS; 3/05

Ericka Pilcher, MS; 5/06

David Pettebone, MS; 8/06

David Stack, MS Student

Adam Gibson, MS Student

Ward Mckonly, MS Student

RESEARCH EXPERIENCE:

- 9/99–8/02 Graduate Research Assistant, University of Vermont**
Designed and executed studies concerning social carrying capacity in National Parks as a member of the Park Studies Lab under the direction of Dr. Robert E. Manning. Conducted and/or participated in studies in 6 different National Parks from Yosemite National Park to Acadia National Park in ME.
- 6/01-9/01 Principal Investigator, Earthwatch Institute, Yosemite National Park**
Led a team of 12 volunteers from around the world in research on integrating resource, social and managerial indicators of quality into carrying capacity decision-making in Yosemite National Park wilderness. Responsible for all logistics, budgets, volunteer training, study design and study execution.
- 2/97-12/98 Graduate Research Assistant, SUNY Environmental Science and Forestry, Syracuse, NY**
Spent summer of 1997 in four Adirondack State Park wilderness areas interviewing over 1000 hikers about their experience in the wilderness areas. Compiled and analyzed data from mail survey responses for upcoming publications.

PROFESSIONAL EXPERIENCE

- 6/98- 9/99 National Park Service Ranger, Resources Management, Yosemite National Park, CA**
Coordinated wilderness restoration program for Yosemite National Park. Responsibilities included wilderness resource monitoring and teaching resource mitigation techniques to Student Conservation Association (SCA) crews. Designed a campsite monitoring system utilizing GPS units and spatial analysis techniques. Papers prepared and presented for and attended national conferences including the George Wright Society (1999) and the National Wilderness Conference (1999).
- 7/96-9/96 Assist. Director, Day Camp, MA Audubon Wildlife Sanctuary, Martha's Vineyard, MA**
Organized and trained environmental educators to teach marine ecology, snorkeling and birding to kids between the ages of 8-13 years. Also led public natural history canoe tours and bird walks.
- 9/94-7/96 Instructor/Naturalist, Yosemite Institute, Yosemite National Park, CA**
Taught montane ecology, geology, botany and tracking to students and elder hostel participants. Guided back-country hiking trips teaching "Leave No Trace" and Wilderness ethics. Also presented weekly evening programs to groups of 200+ on winter ecology of the Sierra Nevada.
- 6/92-9/92 Backcountry Patrol Intern, U.S.D.A. Forest Service, Payette National Forest, ID**
Patrolled the backcountry of the Frank Church Wilderness of No Return on ten-day loops. Also responsible for trail maintenance in the Chamberlain District. Taught "Leave No Trace" techniques to public.

TEACHING EXPERIENCE

- 9/00- 6/01** **Instructor, Graduate Teaching Fellow,** University of Vermont
Developed and taught a sophomore level interdisciplinary course entitled “Environmental Problem Analysis” for the core curriculum of the School of Natural Resources. Course structure, themes and syllabus have been adopted as the new model for the course and is currently in use by other teaching fellows.
- 9/99- 12/99** **Teaching Assistant, Field Ecology/Natural History,** University of Vermont
Designed field labs and taught field ecology and natural history of Vermont to first year students in weekly field labs. Responsible for 22 students including grading exams and designing grading system.
- 1/00 - 5 /00** **Teaching Assistant, Nature and Culture,** University of Vermont
Facilitated, weekly discussions for first year students on subjects from ethics to environmental history. Examined the relationship between humans and natural systems.
- 9/97- 6/98** **Teaching Assistant, Outdoor Recreation Management;** SUNY ESF: Syracuse, NY
Conducted lectures on park management issues, the use of management frameworks and environmental history. Also responsible for facilitating review sessions and designing and grading exams.

COURSES TAUGHT

Colorado State University, Fort Collins, CO

- 8/02- Present Principles of Protected Areas Management (RR 231)
1/03- Present Social Aspects of Resource Management (RR 330)
1/03- Present Fundamentals of Protected Areas Management (RR 331)

University of Vermont, Burlington, VT

- 8/00-5/01 Environmental Problem Analysis (Instructor)
9/99-12/99 Field Ecology and Natural History (Teaching Assistant)
1/00-5/00 Nature and Culture (Teaching Assistant)

SUNY Environmental Science and Forestry, Syracuse, NY

- 9/97-6/98 Outdoor Recreation Management (Teaching Assistant)
9/97-6/98 Guest Lecturer, Wilderness Management

Yosemite Institute and the National Park Service, Yosemite National Park, CA

- 9/94-7/96 Courses and workshops on the natural and cultural history of Yosemite National Park at the Yosemite Institute (Instructor)
6/98-9/99 Workshops and training sessions for the Yosemite National Park Service Office of Wilderness Management and Office of Resources Management.

TEACHING WORKSHOPS

- 1/02 Participant, College Writing Workshop: Reviewing and Editing Student Writing, School of Natural Resources, University of Vermont
- 5/00- Facilitator, Enhancing Core Curriculum Linkages: A workshop Series for Core Curriculum Faculty, School of Natural Resources, University of Vermont
- 5/00 Participant, College Teaching Workshop Center for Teaching and Learning Workshop, University of Vermont
- 5/00 Participant, Critical Thinking for the New Century, A workshop for University of Vermont faculty

RESEARCH GRANTS:

- 2005-2007 Department of Interior, NPS, Natural Sounds Program**
Newman, P, Research to Support Development of Visitor-based Soundscape Indicators and Standards of Quality
- 2005-2006 Department of Interior, NPS**
Newman, P, Theobald, D., Developing an Inventory and Monitoring Program for Trail Impacts in the Bear Lake Corridor of Rocky Mountain National Park
- 2005 Colorado Division of Wildlife**
Newman, P and Wallace, G. N. An analysis of potential impacts of sport shooter on the Pawnee National Grasslands. Colorado Division of Wildlife
- 2004-2005 Department of Interior, NPS**
Newman, P, Leung, Y, Developing Sampling and Data Analysis Methodology for the Merced River Monitoring Field Guide Phase II, Yosemite National Park,
- 2004-2005 Department of Interior, NPS**
Newman, P, Theobald, D. Developing Sampling and Data Analysis Methodology for the Merced River Monitoring Field Guide Phase I, Yosemite National Park,
- 2004-2005 Department of Interior, NPS**
Newman, Phase I: Research to Support Analysis and Management of Ecological and Social Carrying Capacity for Yosemite Valley, Yosemite National Park,
- 2003-2005 Department of Agriculture, USFS**
Newman, P and Wallace, G.N. An analysis of potential impacts of sport shooter on the Pawnee National Grasslands.
- 2003 Consortium for International Protected Areas Management**
Newman, P and Theobald, D. Training for Chocoyero Reserve, Nicaragua and Spanish language training for principle investigators.
- 2003 Yosemite Fund**
Manning, R., and P. Newman. Inventory and analysis of selected ecological, social and managerial attributes of Yosemite National Park Wilderness
- 2000 Earthwatch Institute**
Manning, R, and P. Newman. Four Earthwatch Expeditions to support wilderness visitor research, Yosemite National Park, CA.

EDUCATIONAL GRANTS:

- 2005 **Colorado State University Office of Service Integration**
Newman, P. Funding to support the development of a service learning model for the the course "Principles of Protected Areas Management (RR 331). Money helps to fund student run service learning projects and management at the Environmental Learning Center.
- 2000-2002 **Center for Teaching and Learning, University of Vermont**
Borer, C. and P. Newman. Funding to support the development of a teaching/learning model and core curriculum website for the University of Vermont, School of Natural Resources.

PEER REVIEWED PUBLICATIONS

- Morgan, N.K., Newman, P., & Wallace, G.N. *In Review*. Multiple use/ Multiple Conflict: A qualitative study of the multiple conflicts associated with recreational target shooting on the Pawnee National Grassland. Human Dimensions of Wildlife
- Newman, P. Bruyere, B. and Beh, A. *In Review* Service Learning and Natural Resource Leadership.. Journal of Experiential Education.
- Bright, A., Newman P., Carroll, J. *In Press*. Evaluating preferences for fire management actions using conjoint analysis. Society and Natural Resources
- Newman, P., Monz, C, Leung, Y. and Theobald D. 2006. Monitoring Campsite proliferation and conditions: New Methodological considerations. The George Wright Forum. 23 (2)
- Vaske, J. J., Needham, M. D., Newman, P., Manfredo, M. J., & Petchenik, J. 2006. Potential for conflict index: Hunters' responses to chronic wasting disease. Wildlife Society Bulletin.
- Newman P., Manning R., Dennis, D. 2005. Informing Social Carrying Capacity Decision Making in Yosemite National Park, Using Stated Choice Modeling. Journal of Parks and Recreation Administration. 23: 75-89
- Eagan S. Newman, P. 2004. Restoration of Multiple Tread Trails in Tuolumne Meadows Ecological Restoration. 22: (1) 24-29
- Newman, P. Manning, R., Bacon, J., Graefe, A., Kyle, G. 2003. An evaluation of Appalachian Trail hikers knowledge of minimum impact skills and practices. International Journal of Wilderness 9 (2) 34-38
- Manning, R., S. Lawson, P. Newman, D. Laven, W. Valliere. 2002. Methodological Issues in Measuring Crowding-Related Norms in Outdoor Recreation. Leisure Sciences 24(3-4): 339-348
- Manning, R., S. Lawson, P. Newman, W. Valliere, M. Budruk, and D. Laven. 2003. Basic and Applied Research: Application of Disciplinary Theory and Methods in the Field of Leisure Studies. Leisure and Society. 26 (1) 25-48

- Manning, R., P. Newman, W. Valliere, B. Wang, Lawson, S. 2002. Respondent Self-Assessment of Research on Crowding Norms in Outdoor Recreation. Journal of Leisure Research: 33 (3): 251-271
- Manning, R. Valliere, W., Lawson, S., Newman, P., 2003. Estimating Day Use Social Carrying Capacity in Yosemite National. 2003. Leisure: The Journal of Canadian Association for Leisure Studies 27 (1-2): 77-102
- Manning, R., B. Wang, W. Valliere, S. Lawson, and P. Newman. 2003. Research to Estimate and Manage Carrying Capacity of a Tourist Attraction: A Study of Alcatraz Island. Journal of Sustainable Tourism 10: 388-464.
- Newman, P., Marion, J. Cahill, K. 2001. Integrating resource social and managerial indicators of quality into carrying capacity decision making. The George Wright Forum: 18(3). 28-40
- Newman, P., Dawson, C.P.1998. The Interim Management Dilemma: The High Peaks Wilderness Planning Process from 1972-1997: Personal, Societal and Ecological Values of Wilderness: Sixth World Wilderness Congress Proceedings on Research, Management, and Allocation, Vol. I, USDA Forest Service General Technical Report RMRS-GTR. Ogden, UT

BOOKS

- Timpson, W, Kimmel, G, Dunbar, B, Bruyere, B, Newman, P. & Mitzia, H. 147 Teaching Tips for Teaching Sustainability, Atwood Publishers, Madison WI

BOOK CHAPTERS

- Manning, R., S. Lawson, P. Newman, M. Budruk, W. Valliere, D. Laven and J. Bacon. 2004. 'Visitor Perceptions of Recreation-Related Resource Impacts'. Environmental Impacts of Ecotourism. London:CAB International.
- Manning, R., S. Lawson, P. Newman, M. Budruk, W. Valliere, D. Laven and J. Bacon and Wang, B. 2004. .Development and Applications for Carrying Capacity Frameworks for Parks and Protected Areas. In: Delfino, C. Camarda, I. Manfredi, M.J., Mulas, F., and Teel, T.L. Global Challenges of Protected Areas Management,

ESSAYS AND RESEARCH NOTES

- Brown, J., Cobb, T., Davis, G., Harmon, D., Mitchell, Newman, P., Ostergen D., Parsons, D.J., Reynolds, J., Smith, R., Tranel, M., Wallace, G.N., Woodley S. 2005. Voices From Durban: Reflections on the 2003 World Parks Congress. The George Wright Forum: 20(4). pp. 8-28

PROCEEDING PAPERS AND PROFESSIONAL REPORTS

- Newman, P. Manning, R., Bacon, J., Graefe, A., Kyle, G. In press. An evaluation of Appalachian Trail hikers knowledge of minimum impact skills and practices. Proceedings of the 2001 Northeastern Recreation Research Symposium USDA Forest Service General Technical Report
- Newman, P., Manning, R.E., Valliere, W. In press, Integrating resource, social and managerial indicators of quality into carrying capacity decision making in Yosemite National Park. Proceedings of the 2001 Northeastern Recreation Research Symposium USDA Forest Service General Technical Report
- Lawson, S., Newman, P. 2000. A Spatial Analysis of Campsites in Lyell Canyon in Yosemite National Park. Proceedings of the 2000 Northeastern Recreation Research Symposium USDA Forest Service General Technical Report NE.-276
- Manning, R. Valliere, W., Lawson, S., Newman, P., 2000. Carrying Capacity Research for Yosemite Valley: Phase II Study: Burlington, VT: School of Natural Resources, University of Vermont.
- Manning, R. Valliere, W., Lawson, S., Newman, P., 2000. The Green Mountain Club Membership Survey: Burlington, VT: School of Natural Resources, University of Vermont.
- Eagan, S., Newman P.2000. Plant Community Re-establishment in former high elevation campsites in Yosemite National Park. In: Harmon, David.1999. Proceedings of the 10th conference on research and resource management in parks and on public lands. The George Wright Society Biennial Conference: March 22-26, 1999; Asheville North Carolina
- Eagan S. Newman, P and Fritzke S. 2000. Restoration of Multiple Tread Trails in Tuolumne Meadows. In: Cole, D., McCool, S.1999. Proceedings from the National Wilderness Science Conference, A Time of Change. U.S.D.A., Forest Service, Rocky Mountain Research Station General Technical Report.
- Dawson,C. Newman, P. and Fuller, C.1999. User satisfactions and perceptions of crowding in four Adirondack wilderness areas. In: Kyle, Gerard ed.: Proceedings of the 1999 Northeastern Recreation Research Symposium: USDA Forest Service, Station. General Technical Report NE-269
- Newman, P. 1998. Indicators of social conditions in the High Peaks Wilderness Area based on the human dimensions of the wilderness experience. Proceedings from The Northeastern Recreation Research Symposium: USDA Forest Service General Technical Report NE-255
- Newman, P. 1998. The Human Dimensions of the Wilderness Experience in the High Peaks Wilderness Area: MS Thesis. SUNY ESF, Syracuse, NY
- Dawson, C.P., Newman, P. and Watson A.E. 1997. Cognitive Dimensions of Recreational User Experiences in Wilderness: An Exploratory Study in Adirondack Wilderness Areas. Proceedings from The Northeastern Recreation Research Symposium: USDA Forest Service General Technical Report NE-241

SELECTED INVITED PRESENTATIONS

- Newman, P., Pilcher, E., Manning, R., & Trevino, K. 2006. Management Applications of Current Research on the Protection of Soundscapes at Muir Woods National Monument, *Managing and Monitoring, Visitor Use Conference (MMV 3)* September 12-15, Rapperswil, Switzerland
- Newman, P. 2006. Management Applications of Current Research on Carrying Capacity Decision-Making in US National Parks, *ECO-SUR*, San Cristobal de Las Casas, Chiapas, Mexico
- Newman, P. 2005. Management Applications of Current Research on Carrying Capacity Decision-Making in US National Parks, *E-Tour, Naturvaden*, Stockholm, Sweden
- Newman, P., Marion, J., Leung, Y. 2005. Developing Indicators and Standards of Quality for Trail and Campsites in National Parks and Protected Areas *George Wright Society Meeting, Philadelphia*
- Newman, P. 2004. Informing Carrying Capacity Decision-Making in Protected Areas. *Denver University, Natural Resource Management Spring Seminar Series*
- Newman, P., Needham, M. 2003. Measuring Carrying Capacity in High Density Parks and Related Areas. *USDA Forest Service Human Dimensions of Natural Resources Fall Seminar Series.*
- Newman, P. 2003. Informing Carrying Capacity Decision-Making in Yosemite National Park Wilderness using Ecological, Social and Managerial Indicators of Quality. *USDA Forest Service, Natural Resource Economics Fall Seminar Series*
- Newman, P., Manning. 2003. Measuring Management Performance in High Use National Park Settings. *Performance Institute, Denver, CO*
- Newman, P. 2003. Informing Carrying Capacity Decision-Making in US National Parks, *E-Tour, Naturvaden*, Stockholm, Sweden
- Newman, P, Theobald, D. 2003. Applying Carrying Capacity-related Management Frameworks in Chocoyero Reserve, *COMAP, Nicaragua (Presentation in Spanish)*
- Newman, P, Theobald, D. 2003. Using Spatial Analysis in Human Dimensions Research, *USDA Forest Service Human Dimensions of Natural Resources Spring Seminar Series.*

UNIVERSITY SERVICE

- 1/03- Present **Leading the development of a recruiting plan for NRRT and the Protected Areas Management concentration**
- 9/03- Present **Global Tourism: Search Committee**
- 5/03- Present **CSU Faculty Affiliate: Center for Protected Areas Management and Training**
Member of the steering committee that oversees CPAMT. Aid in research and trainings affiliated with CPAMT. Participated in USAID evaluation of the protected areas system in Nicaragua. Represented CPAMT at *El congreso por Areas Protegidas en Meso America.*
- 9/00-5/02 **Core Curriculum Committee, UVM, School of Natural Resources,**
Meet with faculty who teach courses that are a part of the core curriculum to discuss potential

revisions and issues that arise in the development of curricula.

4/01- 5/02 **Interdisciplinary Teaching/Learning Model**, UVM, Center for Teaching and Learning
Co-authored and obtained a grant (see below) to support the development of a teaching/learning model and core curriculum website for the University of Vermont, School of Natural Resources.

HONORS AND AWARDS

- 2005 *High Educative Standards Outstanding Faculty Award*, Colorado State University, Council for Greek Life
- 2004 *Favorite Faculty Award*, Department of Natural Resources Recreation and Tourism, College of Natural Resources, Colorado State University
- 2001 Graduate Student Scholarship, Sardinia, Italy, (Postponed until October, 2002) International Symposium on Society and Resource Management
- 2001 Graduate Student Scholarship Northeastern Recreation Research Symposium, Lake George, N.Y.
- 2000 Graduate Student Scholarship, Northeast Arc Users Conference, Killington, VT
- 1999 "On the Spot Award: Excellence in Service" Yosemite National Park Service
- 1998 Arnold Bolle National Wilderness Management Award, Society of American Foresters,

RELATED EXPERIENCES AND ACTIVITIES:

Current Certifications

Wilderness First Responder, SOLO, Conway, NH

Wildland Fire Fighter Type II, National Park Service

"Leave No Trace" Trainer National Outdoor Leadership School (NOLS)

Type I Avalanche, National Ski Patrol/ Diamond Peaks Ski Patrol, Fort Collins Colorado

Completed Marathons:

2006 The Colorado Marathon, Fort Collins, CO

2003 New York City Marathon, NY

2001 Cape Cod Marathon, MA

2000 New York City Marathon, NY

1999 Burlington Marathon, VT

1996 Avenue of the Giants, CA