

Steven R. Lawson

Department of Forestry
Virginia Polytechnic Institute and State University
Blacksburg, VA 24060
Tel: (540) 231-8303
Fax: (540) 231-3698
Email: lawsons@vt.edu

EDUCATION:

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

Dissertation: Theoretical and Empirical Approaches to Evaluating Tradeoffs in Outdoor Recreation

M.S. Natural Resource Economics and Policy, University of Maine, Orono, 1997

Thesis: Estimating the Benefits of Water Quality in Maine's Lakes: A Hedonic Property Value Model

B.A. Political Science (minor in Cultural Anthropology), University of Vermont, 1989

EXPERIENCE:

7/04 – present **Assistant Professor**, Department of Forestry, Virginia Polytechnic Institute and State University.

8/03 – 6/04 **Assistant Professor**, Recreation, Parks, and Tourism Resources Program, Division of Forestry, West Virginia University.

6/02 – 7/03 **Postdoctoral Associate**, Recreation Management Program, School of Natural Resources, University of Vermont.

9/99 – 5/02 **Graduate Research Assistant**, Recreation Management Program, School of Natural Resources, University of Vermont.

9/98 – 9/99 **Research Data Specialist**, Recreation Management Program, School of Natural Resources, University of Vermont.

8/97 – 9/99 **Independent Environmental Economic and Policy Consultant**, Bolton, VT.

6/95 – 8/97 **Graduate Research Assistant**, Department of Resource Economics and Policy, College of Natural Sciences, Forestry, and Agriculture, University of Maine, Orono.

RESEARCH GRANTS:

Pending Assessing Trail Conditions and Modeling Trail Use Patterns at Isle Royale National Park (co-P.I. with Dr. Jeff Marion). USGS Research (NRPP). \$269,091.

- Pending Examining the Interface Between Transportation Planning and Visitor Experiences and Resource Protection (VERP) at Rocky Mountain National Park (co-P.I. with Drs. Peter Newman and David Theobald). USDI National Park Service. \$312,449.
- Pending Interdisciplinary Approach to Reduce Habituation of Wildlife to Humans at Isle Royale National Park (co-P.I. with Dr. Jeff Marion). USDI National Park Service. \$149,985.
- 2006 – 2007 Research to Support Soundscape Management at Great Smoky Mountains National Park. USDI National Park Service. \$18,500.
- 2006 – 2009 Visitor Experience and Resource Protection (VERP) Study: Haleakala National Park. USDI, National Park Service (co-P.I. with Dr. Jeff Marion). \$119,624.
- 2006 – 2009 Investigating and Managing Resource Impacts Associated with On- and Off-Trail Hiking within the Potomac Gorge. USDI, National Park Service (co-P.I. with Drs. Jeff Marion and Lynn Ressler). \$113, 278.
- 2006 – 2009 Recreation Use and Impacts to Cliff Resources, Great Falls and C&O Canal. USDI, National Park Service (co-P.I. with Drs. Jeff Marion and Lynn Ressler). \$126,082.
- 2006 – 2009 Research to Support the Application of the Visitor Experience and Resource Protection (VERP) Framework at Acadia National Park. USDI, National Park Service (co-P.I. with Drs. Jeff Marion and Lynn Ressler). \$116,874.
- 2005 - 2007 Assessing the Amount, Type and Environmental Effects of Climbing at Shenandoah National Park. USDI National Park Service. \$58,8000.
- 2005 - 2007 Prince William Forest Park Neighborhood Residents and Visitor Survey. USDI National Park Service. \$52,426.
- 2005 – 2006 Monitoring Multiple Dimensions of Wilderness Solitude in Great Smoky Mountains National Park Using Computer-based Simulation Modeling. Virginia Polytechnic Institute and State University, Research Division, College of Natural Resources, and Department of Forestry. \$22,500.
- 2004 - 2006 Research to Support Management of Social Carrying Capacity at Acadia National Park. University of Vermont and USDI National Park Service. \$20,000.
- 2003 - 2004 A Multiple Objective Approach to Managing Recreation Carrying Capacity in National Parks and Related Forest Recreation Areas. USDA, McIntire Stennis. \$56, 215.
- 2003 Simulation Modeling of Visitor Use In Park and Wilderness Management: A Research Prospectus (co-P.I. with Dr. Robert Manning). Aldo Leopold Wilderness Institute/U.S. National Park Service. \$10,000.

2001 – 2002 Development of a Computer-Based Simulation Model of Camping at Isle Royale National Park (co-P.I. with Dr. Robert Manning). USDI National Park Service. \$16,498.

PUBLICATIONS AND PROFESSIONAL PAPERS:

Book chapters

Manning, R., Lawson, S., Newman, P., Budruk, M., Valliere, W., Laven, D., and Bacon, J. (2004). Visitor Perceptions of Recreation-Related Resource Impacts. Environmental Impacts of Ecotourism. London: CAB International.

Refereed Papers

Bullock, S. & Lawson, S. (in review). Examining the Potential Effects of Management Actions on Visitor Experiences on the Summit of Cadillac Mountain, Acadia National Park. Human Ecology Review.

Bullock, S. & Lawson, S. (in review). Managing the “Commons” on Cadillac Mountain: A Stated Choice Analysis of Acadia National Park Visitors’ Preferences. Leisure Sciences.

Cahill, K., Marion, J. and Lawson, S. (in press). Application of a Verbal Protocol Assessment to Gain Insight into Stated Choice “Tradeoff” Analyses at Acadia National Park. Journal of Leisure Research.

Lawson, S. (in press). Computer Simulation as a Tool for Planning and Management of Visitor Use in Protected Natural Areas. Journal of Sustainable Tourism.

Lawson, S., Roggenbuck, J., Hall, T., and Moldovanyi, A. (in press). A Conjoint Analysis of Preference Heterogeneity Among Subgroups of Okefenokee Wilderness Visitors. Journal of Leisure Research.

Wood, K., Lawson, S., & Marion, J. (in press). Assessing Recreation Impacts to Cliffs: Integrating Visitor Observation with Trail and Recreation Site Measurements. Journal of Park and Recreation Administration.

Lawson, S., Itami, R., Gimblett, R. and Manning, R. (2006). Benefits and Challenges of Computer Simulation Modeling of Backcountry Recreation Use in the Desolation Lake Area of the John Muir Wilderness. Journal of Leisure Research.

Manning, R. Lawson, S. and Morrissey, J. (2005). What’s Behind the Numbers? Qualitative Insights into Normative Research in Outdoor Recreation. Leisure Sciences, 27, 205-224.

Lawson, S. and Manning, R. (2003). Integrating Multiple Wilderness Values into a Decision-Making Model for Denali National Park and Preserve. Journal for Nature Conservation, 11(4), 355-362.

Lawson, S. and Manning, R. (2003). Research to Inform Management of Wilderness Camping at Isle Royale National Park: Part I – Descriptive Research. Journal of Park and Recreation Administration, 21(3), 22-42.

Lawson, S. and Manning, R. (2003). Research to Inform Management of Wilderness Camping at Isle Royale National Park: Part II – Prescriptive Research. Journal of Park and Recreation Administration, 21(3), 43-56.

Lawson, S., Manning, R., Valliere, W., and Wang, B. (2003). Proactive Monitoring and Adaptive Management of Social Carrying Capacity in Arches National Park: An Application of Computer Simulation Modeling. Journal of Environmental Management, 68, 305-313.

Lawson, S., Mayo Kiely, A., and Manning, R. (2003). Computer Simulation as a Tool for Developing Alternatives for Managing Crowding at Wilderness Campsites on Isle Royale. George Wright Forum, 20(3), 72-82.

Manning, R., Lawson, S., Newman, P., Valliere, W., Budruk, M., and Laven, D. (2003). Basic and Applied Research: Application of Disciplinary Theory and Methods to the Field of Leisure Studies. Journal of Leisure and Society, 26(1), 25-48.

Manning, R., Valliere, W., Wang, B., Lawson, S., and Newman, P. (2003). Estimating Day Use Social Carrying Capacity in Yosemite National Park. Leisure: The Journal of the Canadian Association for Leisure Studies.

Lawson, S. and Manning, R. (2002). Tradeoffs Among Social, Resource, and Management Attributes of the Denali Wilderness Experience: A Contextual Approach to Normative Research. Leisure Sciences, 24, 297-312.

Manning, R. and Lawson, S. (2002). Carrying Capacity as “Informed Judgement”: The Values of Science and the Science of Values. Environmental Management, 30, 157-168.

Manning, R., Lawson, S., Newman, P., Laven, D., and Valliere, W. (2002). Methodological Issues in Measuring Crowding-Related Norms in Outdoor Recreation. Leisure Sciences, 24, 339-348.

Manning, R., Valliere, W., Wang, B., and Lawson, S.. (2002). Research to Estimate and Manage Carrying Capacity of a Tourist Attraction: A Study of Alcatraz Island. Journal of Sustainable Tourism, 10, 388-464.

Lawson, S. and Manning, R. (2001). Crossing Experiential Boundaries: Visitor Preferences Regarding Tradeoffs Among Social, Resource, and Managerial Attributes of the Denali Wilderness Experience. The George Wright Forum, 18, 10-27.

Lawson, S. and Manning, R. (2001). Solitude Versus Access: A Study of Tradeoffs in Outdoor Recreation Using Indifference Curve Analysis. Leisure Sciences, 23, 179-191.

Manning, R., Newman, P., Valliere, W., Wang, B., and Lawson, S. (2001). Respondent Self-Assessment of Research on Crowding Norms in Outdoor Recreation. Journal of Leisure Research, 33, 251-271.

Manning, R., Lawson, S., and Frymier, L. (1999). Navigating The Confluence of Two Streams of Social Research: Contingent Valuation and Normative Standards. Human Ecology Review, 6, 35-49.

Proceedings Papers

Lawson, S., Moldovanyi, A., Roggenbuck, J. and Hall, T. (in press). Reconciling Tradeoffs in Wilderness Management: A Comparison of Day and Overnight Visitors' Attitudes and Preferences Concerning Management of the Okefenokee Swamp Wilderness. Proceedings of the 2005 George Wright Society Conference on Parks, Protected Areas and Cultural Sites, Philadelphia, PA.

Lawson, S. Itami, B., Gimblett, R., and Manning, R. (in press). Monitoring and Managing Recreational Use in Backcountry Landscapes Using Computer-Based Simulation Modeling. Proceedings of the International Conference on Monitoring and Management of Visitor Flows in Recreational and Protected Areas, Rovaniemi, Finland.

Manning, R., Valliere, W., Lawson, S., Newman, P., Budruk, M., Laven, D., Bacon, J., and Wang, B. (in press). Development and Application of Carrying Capacity Frameworks for Parks and Protected Areas. Proceedings of the Ninth International Symposium on Society and Resource Management, Sardinia, Italy.

Bacon, J., Manning, R., Lawson, S., Valliere, W., and Laven, D. (2003). Indicators and Standards of Quality for the Schoodic Peninsula Section of Acadia National Park, Maine. Proceedings of the 2002 Northeastern Recreation Research Symposium. USDA Forest Service General Technical Report NE-302, 279-285.

Lawson, S. and Manning, R. (2002). Balancing Tradeoffs in the Denali Wilderness: An Expanded Approach to Normative Research Using Stated Choice Analysis. Proceedings of the 2001 Northeastern Recreation Research Symposium, USDA Forest Service General Technical Report NE-289, pp. 15-24.

Lawson, S. and Manning, R. (2002). Integrating Multiple Wilderness Values into a Decision-Making Model for Denali National Park and Preserve. Proceedings of the International Conference on Monitoring and Management of Visitor Flows in Recreational and Protected Areas, Vienna, Austria: Bodenkultur University, pp. 136-142.

Lawson, S., Manning, R., Valliere, W., Wang, B., and Budruk, M. (2002). Using Simulation Modeling to Facilitate Proactive Monitoring and Adaptive Management of Social Carrying Capacity in Arches National Park, Utah, USA. Proceedings of the International Conference on Monitoring and Management of Visitor Flows in Recreational and Protected Areas, Vienna, Austria: Bodenkultur University, pp. 205-210.

Valliere, W., Manning, R., Budruk, M., Lawson, S., and Wang, B. (2002). Transportation Planning

and Social Carrying Capacity in the National Parks. Proceedings of the 2001 Northeastern Recreation Research Symposium, USDA Forest Service General Technical Report NE-289, pp. 36-40.

Lawson, S. and Manning, R. (2001). Evaluating Multiple Dimensions of Visitors' Tradeoffs Between Access and Crowding at Arches National Park Using Indifference Curve Analysis. Proceedings of the 2000 Northeastern Recreation Research Symposium, USDA Forest Service General Technical Report NE-276, pp. 167-175.

Lawson, S. and Newman, P. (2001). A Spatial Analysis of Wilderness Campsites in Lyell Canyon, Yosemite National Park. Proceedings of the 2000 Northeastern Recreation Research Symposium, USDA Forest Service General Technical Report NE-276, pp. 245-248.

Wang, B., Manning, R., Lawson, S., and Valliere, W. (2001). Estimating Social Carrying Capacity Through Computer Simulation Modeling: An Application to Arches National Park, Utah. Proceedings of the 2000 Northeastern Recreation Research Symposium, USDA Forest Service General Technical Report NE-276, pp. 193-200.

Lawson, S. and Manning, R. (2000). Crowding Versus Access at Delicate Arch, Arches National Park: An Indifference Curve Analysis. Proceedings of the Third Symposium on Social Aspects and Recreation Research, Tempe, AZ, Arizona State University, pp. 135-143.

Technical Reports

Lawson, S., Moldovanyi, A., Kiser, B., and Bullock, S. (2006). Prince William Forest Park Visitor and Neighborhood Resident Surveys: Study Completion Report. Department of Forestry, Virginia Polytechnic Institute and State University, Blacksburg, VA, 454 pp..

Lawson, S. (2002). Theoretical and Empirical Approaches to Evaluating Tradeoffs in Outdoor Recreation. Unpublished doctoral dissertation, University of Vermont, Burlington, VT.

Manning, R. and Lawson, S. (1999). Conducting Visitor Surveys: A Handbook for the Trustees of Reservations. School of Natural Resources, University of Vermont, 55 pp.

Manning, R., Lawson, S., Valliere, W., Cole, D., Lee, M., Taylor, J., and Stewart, W. (1999). Day Hikers and The Day Hiking Experience at Grand Canyon National Park: Study Completion Report. School of Natural Resources, University of Vermont, 147 pp.

Manning, R., Lawson, S., Wang, B., and Valliere, W. (1999). Research to Support Visitor Management at Alcatraz Island: Study Completion Report. School of Natural Resources, University of Vermont, 69 pp.

Manning, R., Valliere, W., Wang, B., Lawson, S., and Treadwell, J. (1999). Research to Support Visitor Management at Statue of Liberty/Ellis Island National Monuments. School of Natural Resources, University of Vermont, 73 pp.

Manning, R., Wang, B., Valliere, W., and Lawson, S. (1999). Carrying Capacity Research for

Yosemite Valley: Phase I Study. School of Natural Resources, University of Vermont, 71 pp.

Boyle, K., Lawson, S., Michael, H., and Bouchard, R. (1998). Lakefront Property Owners' Economic Demand for Water Clarity in Maine Lakes. Maine Agricultural and Forest Experiment Station Report 410, 20 pp.

Lawson, S. (1997). Estimating The Benefits of Water Quality In Maine's Lakes: A Hedonic Property Value Model. Unpublished master's thesis, University of Maine, Orono, ME.

Ward, J. and Lawson, S. (1997). Stimulating Maine's Economy: The University of Maine's Economic Impact. Department of Industrial Cooperation, University of Maine.

CONFERENCE PRESENTATIONS:

Bullock, S. and Lawson, S. Examining the Effects of Management Actions on Visitor Experiences and Associated Meanings on the Summit of Cadillac Mountain, Acadia National Park. International Symposium on Society and Resource Management, June, 2006. Vancouver, B.C., Canada.

Bullock, S. and Lawson, S. Managing the "Commons" on Cadillac Mountain: A Stated Choice Analysis of Visitors' Management Preferences. International Symposium on Society and Resource Management, June, 2006. Vancouver, B.C., Canada.

Wood, K. and Lawson, S. Assessing Recreation Impacts to Cliffs: Integrating Visitor Observation with Trail and Recreation Site Measurements. International Symposium on Society and Resource Management, June, 2006. Vancouver, B.C., Canada.

Bullock, S. and Lawson, S. Searching for "Mutually Agreed Upon Coercion" to Protect the "Commons" on Cadillac Mountain: A Stated Choice Analysis. Southeastern Recreation Research Conference, February, 2006. Wilmington, NC.

Kiser, B. and Lawson, S. Examining the Utility of Computer Simulation for Monitoring Multiple Dimensions of Wilderness Solitude in Great Smoky Mountains National Park. Southeastern Recreation Research Conference, February, 2006. Wilmington, NC.

Moldovanyi, A., Lawson, S., and Kiser, B. Comparing Internet and Onsite Survey Modes for a Visitor Use Study at Prince William Forest Park, Virginia. Southeastern Recreation Research Conference, February, 2006. Wilmington, NC.

Wood, K., Lawson, S., Marion, J., and Carr, C. An Integrative Approach to Managing Visitor-Caused Impacts to Cliff Resources in Shenandoah National Park. Southeastern Recreation Research Conference, February, 2006. Wilmington, NC.

Roggenbuck, J.*, Lawson, S., Moldovanyi, A., & Hall, T. Managing for Multiple and Potentially Competing Visitor Experiences in the Okefenokee Wilderness. International Symposium on Society and Resource Management, June, 2005. Ostersund, Sweden.

Budruk, M.*, Valliere, W., Laven, D., Manning, R. and Lawson, S. Indicators and Standards of

Quality for the Built Environment: Visitor Centers, Roads, Walkways, and other Built Areas. George Wright Society Biennial Conference, March, 2005. Philadelphia, PA.

Cole, D., Manning, R.*, Lawson, S., Gimblett, R., Itami, B., van Wagtendonk, J., Hoff, M. and Vande Kamp, M. Computer Simulation as a Tool for Park and Wilderness Planning and Management. George Wright Society Biennial Conference, March, 2005. Philadelphia, PA.

Lawson, S.*, Itami, R., Gimblett, R. and Manning, R. Benefits and Challenges of Computer Simulation for Describing, Monitoring and Managing Backcountry Recreation Use. George Wright Society Biennial Conference, March, 2005. Philadelphia, PA.

Lawson, S.*, Manning, R., Valliere, W., Laven, D., Hallo, J., Budruk, M., Newman, P. and Bacon, J. Research on Crowding-Related Indicators and Standards of Quality. George Wright Society Biennial Conference, March, 2005. Philadelphia, PA.

Moldovanyi, A.*, Lawson, S., Roggenbuck, J. and Hall, T. Managing for Multiple and Potentially Competing Values in the Okefenokee Swamp Wilderness. George Wright Society Biennial Conference, March, 2005. Philadelphia, PA.

Newman, P.*, Manning, R., Valliere, W., Laven, D., Park, L., Lawson, S., Marion, J., Budruk, M. Leung, Y. and Freimund, W. Indicators and Standards of Quality for Natural Resources: Trail and Campsite Impacts. George Wright Society Biennial Conference, March, 2005. Philadelphia, PA.

Valliere, W.*, Manning, R., Lawson, S., Newman, P. and Budruk, M. Indicators and Standards of Quality for Cultural Resources: Archeological and Historical Sites. George Wright Society Biennial Conference, March, 2005. Philadelphia, PA.

Bullock, S.*, Wood, K.*, Lawson, S., & Roggenbuck, J. Wilderness and the Southeastern American Mind: A Comparison of Local and Non-Local Okefenokee Swamp Visitors' Wilderness Knowledge and Attitudes. Southeastern Recreation Research Conference, February, 2005. Savannah, GA.

Lawson, S., Hall, T., Roggenbuck, J. and Moldovanyi, A.* A Conjoint Analysis of Wilderness Preferences Among Subgroups of Okefenokee Swamp Wilderness Visitors. Southeastern Recreation Research Conference, February, 2005. Savannah, GA.

Lawson, S.*, Manning, R., and Mayo Kiely, A. Assessing Backcountry Campers' Support for Alternative Visitor Use Management Practices at Isle Royale National Park. International Symposium on Society and Resource Management, June, 2004. Keystone, CO.

Lawson, S. Itami, B., Gimblett, R., and Manning, R.* Monitoring and Managing Recreational Use in Backcountry Landscapes Using Computer-Based Simulation Modeling. International Conference on Monitoring and Management of Visitor Flows in Recreational and Protected Areas, June, 2004. Rovaniemi, Finland.

Lawson, S. and Manning, R.* Describing, Monitoring, and Managing Visitor Flows in Parks and Protected Areas Using Computer-Based Simulation Modeling. International Conference on

Monitoring and Management of Visitor Flows in Recreational and Protected Areas, June, 2004. Rovaniemi, Finland.

Lawson, S., Mayo Kiely, A., Manning, R. * Identifying and Evaluating Alternatives for Managing Crowding at Wilderness Campsites on Isle Royale. International Conference on Monitoring and Management of Visitor Flows in Recreational and Protected Areas, June, 2004. Rovaniemi, Finland.

Lawson, S.*, Manning, R. and Mayo Kiely, A. Identifying and Evaluating Alternatives for Managing Crowding at Wilderness Campsites on Isle Royale. Southeastern Recreation Research Conference, February, 2004. Charleston, SC.

Lawson, S.*, Manning, R., and Mayo Kiely, A.* Identifying and Evaluating Tradeoffs Associated with Visitor Use Management and Park Planning at Isle Royale National Park Using Computer Simulation Modeling. George Wright Society Biennial Conference, April, 2003. San Diego, CA.

Manning, R., Valliere, W., Laven, D.*, and Lawson, S. Automobile Traffic Congestion as an Indicator and Standard of Quality of the Visitor Experience on the Blue Ridge Parkway. George Wright Society Biennial Conference, April, 2003. San Diego, CA.

Manning, R.*, Valliere, W., Lawson, S., Newman, P., Budruk, M., Laven, D., Bacon, J., and Wang, B. Carrying Capacity of Cultural Resources. George Wright Society Biennial Conference, April, 2003. San Diego, CA.

Lawson, S.* and Manning, R. Identifying and Evaluating Tradeoffs Associated with Visitor Use Management and Park Planning at Isle Royale National Park Using Computer Simulation Modeling. Northeastern Recreation Research Symposium, April, 2003. Bolton Landing, NY.

Manning, R., Valliere, W., Lawson, S., Budruk, M.*, Bacon, J., and Laven, D. Indicators and Standards of Quality for the Resource Component of Carrying Capacity: Trail Conditions at Isle au Haut, Acadia National Park. Northeastern Recreation Research Symposium, April, 2003. Bolton Landing, NY.

Valliere, W., Manning, R., Lawson, S., Bacon, J., and Laven, D.* Standards of Quality for Traffic Congestion in Parks: An Empirical Study of the Blue Ridge Parkway. Northeastern Recreation Research Symposium, April, 2003. Bolton Landing, NY.

Lawson, S.* and Manning, R. Assessing Visitors' Preferences Regarding Choices and Consequences in Denali Wilderness Management Using Stated Choice Analysis. International Symposium on Society and Resource Management, June, 2002. Bloomington, IN.

Lawson, S.* and Manning, R. Proactive Adaptive Management of Backcountry Campground Crowding at Isle Royale National Park Using Simulation Modeling. International Symposium on Society and Resource Management, June, 2002. Bloomington, IN.

Bacon, J.*, Manning, R., Lawson, S., Valliere, W., and Laven, D. Indicators and standards of quality for the Schoodic Peninsula Section of Acadia National Park. Northeastern Recreation Research

Symposium, April, 2002. Bolton Landing, NY.

Manning, R., Valliere, W.*, Lawson, S., Budruk, M., Wang, B.*, Newman, P., Bacon, J., and Laven, D. Assessing and Monitoring Visitor Use and Associated Impacts Using Computer Simulation Modeling. Northeastern Recreation Research Symposium, April, 2002. Bolton Landing, NY.

Lawson, S.* and Manning, R. Integrating Multiple Wilderness Values into a Decision-Making Model for Denali National Park and Preserve. International Conference on Monitoring and Management of Visitor Flows in Recreational and Protected Areas, February, 2002. Vienna, Austria.

Lawson, S.*, Manning, R., Valliere, W., Wang, B., and Budruk, M. Using Simulation Modeling to Facilitate Proactive Monitoring and Adaptive Management of Social Carrying Capacity in Arches National Park, Utah, USA. International Conference on Monitoring and Management of Visitor Flows in Recreational and Protected Areas, February, 2002. Vienna, Austria.

Lawson, S.* and Manning, R. Crossing Experiential Boundaries: Visitor Preferences Regarding Tradeoffs Among Social, Resource, and Managerial Attributes of the Denali Wilderness Experience. George Wright Society Biennial Conference, April, 2001. Denver, CO.

Manning, R.*, Valliere, W., Wang, B., Lawson, S., and Newman, P. Social Carrying Capacity of Yosemite Valley. George Wright Society Biennial Conference, April, 2001. Denver, CO.

Lawson, S.* and Manning, R. Assessing Visitor Preferences Regarding Wilderness Management in Denali National Park Using a Contingent Choice Experiment. Northeastern Recreation Research Symposium, April, 2001. Bolton Landing, NY.

Manning, R., Bacon, J.*, Lawson, S., Johnson, D., and Vande Kamp, M. Crowding in Outdoor Recreation: A Longitudinal Analysis. Northeastern Recreation Research Symposium, April, 2001. Bolton Landing, NY.

Valliere, W.*, Manning, R., Lawson, S., Budruk, M., and Wang, B. Transportation Planning and Social Carrying Capacity in the National Parks. Northeastern Recreation Research Symposium, April, 2001. Bolton Landing, NY.

Lawson, S.*, Manning, R., and Valliere, W. Integrating Tradeoffs Between Public Access and Crowding into Social Carrying Capacity Using Indifference Curve Analysis: A Theoretical and Empirical Analysis of Rafting on the Colorado River, Grand Canyon National Park. International Symposium on Society and Resource Management, June, 2000. Bellingham, WA.

Manning, R., Valliere, W., Lawson, S., Wang, B., and Newman, P.* Theoretical and Methodological Issues in Measuring Crowding Norms in Outdoor Recreation. International Symposium on Society and Resource Management, June, 2000. Bellingham, WA.

Wang, B.*, Manning, R., Lawson, S., and Valliere, W. Park-Wide Carrying Capacity: Computer Simulation of Visitor Travel Patterns as Related to Social Indicators in Arches National Park. International Symposium on Society and Resource Management, June, 2000. Bellingham, WA.

Lawson, S.*, Manning, R., Valliere, W., and Wang, B. Evaluating Multiple Dimensions of Visitors' Tradeoffs Between Access and Crowding at Arches National Park Using Indifference Curve

Analysis. Northeastern Recreation Research Symposium, April, 2000. Bolton Landing, NY.

Newman, P.* and Lawson, S.* A Spatial Analysis of Wilderness Campsites in Lyell Canyon, Yosemite National Park. Northeastern Recreation Research Symposium, April, 2000. Bolton Landing, NY.

Wang, B.*, Manning, R., Lawson, S., and Valliere, W. Park-Wide Carrying Capacity: Computer Simulation of Visitor Travel Patterns as Related to Social Indicators in Arches National Park. Northeastern Recreation Research Symposium, April, 2000. Bolton Landing, NY.

Lawson, S.*, Manning, R., Valliere, W., and Wang, B. Crowding Versus Access at Delicate Arch, Arches National Park: An Indifference Curve Analysis. Third Annual Social Aspects and Recreation Research Symposium, February, 2000. Tempe, AZ.

Lawson, S.* and Boyle, K. The Impact of Water Quality on Lakefront Property Values. New England Lake Conference, June, 1996. Ashland, MA.

Lawson, S.* and Boyle, K. An Hedonic Model of Lake Water Quality for the State of Maine. Bridging the Gulf: A Watershed of Watersheds Conference, May, 1996. Portland, ME.

Lawson, S.* and Boyle, K. Estimating the Demand for Lake Water Quality in the State of Maine. Fish River Lakes Water Quality Association Conference, August, 1995. Sinclair, ME.

* Presenter

INVITED PRESENTATIONS AND SEMINARS:

Understanding and Managing Soundscapes in National Parks: Integrating Visitor Use and Noise Simulation Models, March 2006. Sponsored by USDI National Park Service Soundscapes Program Center and Colorado State University, Fort Collins, CO.

Simulation Modeling of Park and Outdoor Recreation Use, October, 2003. Sponsored by the USDI National Park Service, Denver, CO.

Simulation Modeling of Park and Outdoor Recreation Use, March, 2003. Sponsored by the USDI National Park Service, Tucson, AZ.

Computer Simulation Modeling of Backcountry Camping at Isle Royale National Park Using Extend Software: A Week-long Training Course for Park Staff, May, 2002. University of Vermont, Burlington, VT.

Assessing Backcountry Camping Management Alternatives at Isle Royale National Park Using Computer Simulation Modeling, March, 2002. Houghton, MI.

Integrating Carrying Capacity Research into Alternative Transportation Planning at Arches National Park. November, 2002. Moab, UT.

Stated Choice Analysis of Tradeoffs in Park and Wilderness Management: A Two-Day Training Workshop, December, 2001. Virginia Polytechnic Institute and University, Blacksburg, VA.

Using the Visitor Experience and Resource Protection Framework to Manage Carrying Capacity at Zion National Park, October, 2001. Zion National Park, UT.

Implementing the Visitor Experience and Resource Protection Planning Framework at Arches National Park, March, 2000. Moab, UT.

COURSES TAUGHT AND RELATED TEACHING EXPERIENCE:

Virginia Tech

Wildland Recreation Theory (FOR 5454)

Planning for Natural Resource Based Recreation (FOR 3564)

Outdoor Recreation Management (FOR 3544)

West Virginia University

Philosophical Foundations of Recreation and Parks (FOR 470X)

Leadership in Recreation, Parks, and Tourism (RPTR 251)

Management of Recreation, Parks, and Tourism Organizations (RPTR 335)

Wildland Recreation Management (RPTR 433) – Guest lecturer

Using GPS Technology in Recreation Resources Management – Co-instructor

University of Vermont

Environmental Problem Analysis (NR 105) – Co-instructor

Geographic Information Systems (NR 143/285) – Teaching assistant, guest lecturer

Park and Wilderness Management (RM 240) – Guest lecturer

SERVICE:

2006 – present Faculty Advisor, Natural Resources Recreation Society, Virginia Polytechnic Institute and State University

2005 – present Graduate Affairs Committee, Department of Forestry, Virginia Polytechnic Institute and State University.

2004 – present Member, Institute for Operations Research and the Management Sciences

2003 – present Associate Editor, Journal of Park and Recreation Administration.

2003 – 2004 Member, Faculty Search Committee, Recreation, Parks, and Tourism Resources Program, Division of Forestry, West Virginia University.

2001 – present Reviewer – Field Methods, Journal of Environmental Management, Journal of Leisure Research, Leisure Sciences.

2000 – present Member, George Wright Society.

2003 Volunteer - Rock Climbing Impact Mitigation Service Project, Coopers Rock State Forest, WV.

- 2001 – 2003 Board Member, Vermont Mountain Bike Advocates.
- 1997 – 2003 Member and Trip Leader, Vermont Paddlers' Club.
- 2001 Participant, Enhancing Core Curriculum Linkages: A Workshop Series for Core Curriculum Faculty, School of Natural Resources, University of Vermont.
- 2001 Member, Core Curriculum Faculty Committee, School of Natural Resources, University of Vermont.
- 2000 – 2001 Member, Faculty Search Committee, School of Natural Resources, University of Vermont.
- 2001 Participant, Critical Thinking for the New Century, A Workshop for UVM Faculty, University of Vermont.
- 1994 – 1998 Member, National Ski Patrol.
- 1990 – 1995 Instructor, American Red Cross First Aid and CPR.
- 1993 Trip Leader, Connecticut College Outdoor Orientation Program.
- 1992 Volunteer/Instructor Intern, Voyageur Outward Bound School, Redford, TX.
- 1991 – 1992 VISTA Volunteer, Burlington Housing Authority, Burlington, VT.

AWARDS & MEMBERSHIPS:

- 2005 – present Member, Sigma Xi Scientific Research Society
- 2000 – 2001 Graduate Student Award for Outstanding Research and Scholarship, School of Natural Resources, University of Vermont.

Revised September, 2006