

M. Nils Peterson

12 October 2007

Fisheries & Wildlife Program
Department of Forestry & Environmental Resources
Turner House, Box 7646
North Carolina State University
Raleigh, NC 27695-7646
Phone: 919-515-7588
Fax: 919-515-5110
Email: nils_peterson@ncsu.edu

EDUCATION

Doctor of Philosophy, Wildlife and Fisheries Sciences, Michigan State University, East Lansing, Michigan (GPA—4.0, August 2007).
Dissertation: A systems perspective on land use decision making

Master of Science, Wildlife and Fisheries Sciences, Texas A&M University, College Station, Texas (GPA—4.0, August 2003).
Thesis: Management strategies for endangered Florida Key Deer.

Conflict Mediation Certification, (In compliance with the Texas Alternative Dispute Resolution Act & 40-hour basic mediator training as set forth by the Texas Mediation Trainer Roundtable—May 2002).

Bachelor of Science, Wildlife and Fisheries Sciences, Ecology Option, Texas A&M University, College Station, Texas (GPA—3.97, with Foundation Honors—December 2000).

PROFESSIONAL EXPERIENCE

Assistant Professor, Fisheries & Wildlife Program, Department of Forestry & Environmental resources, North Carolina State University (Fall 2007–current)

Adjunct Instructor, Department of Fisheries and Wildlife Sciences, Michigan State University (Fall 2006).

NASA Earth Systems Science Fellow, (Fall 2006–Summer 2007).

Budweiser Conservation Fellow, (Fall 2004–Fall 2005).

Distinguished Fellow, Michigan State University (Fall 2003– Summer 2007).

Teaching Assistant, Department of Wildlife and Fisheries Sciences, Texas A&M University (Fall 2002–Spring 2003).

Consultant, Florida Department of Transportation (Summer 2002).

Research Assistant, Department of Wildlife and Fisheries Sciences, Texas A&M University (Summer 2002).

Graduate Merit Fellow, Department of Wildlife and Fisheries Sciences, Texas A&M University, (Summer 2001–Spring 2002).

Wildlife Technician, Department of Wildlife and Fisheries Sciences, Texas A&M University, (Spring 2001).

Ethnographer, Department of Wildlife and Fisheries Sciences, Texas A&M University, (Summer 2000).

Field Intern, Department of Wildlife and Fisheries Sciences, Texas A&M University, (Summer 2000).

AWARDS AND HONORS

NASA Earth System Science Fellowship (2006–2007)

Future Academic Scholars in Teaching Fellowship, Michigan State University (2006–2007)

Budweiser Conservation Scholarship (2004–2005)

MSU Distinguished Fellowship (2003–2007)

Texas Chapter of the Wildlife Society Publication Award for Outstanding Scientific Article (2003)—Cultural conflict and the endangered Florida Key deer.

Wildlife and Fisheries Science Masters Student of the Year, Texas A&M University (2002)

Dan Wayne Lay Scholarship, Texas A&M University (2002)—Selection based on research relating to the land ethic of Aldo Leopold.

Texas A&M University Graduate Merit Fellowship (2001–2002).

Texas A&M University Association of Former Students Graduate Fellowship (2001–2002).

W. B. Davis Scholar (2000) —This award is given to honor outstanding scholarship in the Wildlife Sciences Program at Texas A&M University. Recipients are invited to pursue an independent research project under the direction of a senior faculty member.

Morris K. Udall, Excellence in National Environmental Policy,

honorable mention (1999).

Eisenhower Leadership Program, Texas Agricultural Extension Service (1999).

Honors Candidate, Texas A&M University Office of Honors Programs & Academic Scholarships and College of Agriculture & Life Sciences (1998).

College of Agriculture and Life Science, Houston Livestock Show Scholarship (1998–1999).

TAMU Academic Incentive Award (1994–1995).

TAMU Deans List, 1994–1995, 1998–2000.

Boy Scouts—Eagle Scout, Order of the Arrow.

PUBLICATIONS

Refereed Journal Articles:

Peterson, M. N., M. J. Peterson, and T. R. Peterson. 2007. Environmental communication: Why this crisis discipline should facilitate environmental democracy. *Environmental Communication: A Journal of Nature and Culture* 1: 74-86.

Peterson, M. N., M. J. Peterson, T. R. Peterson, and J. Liu. 2007. A household perspective for biodiversity conservation. *Journal of Wildlife Management* 70: 1243-1248.

Peterson, M. N., A. G. Mertig, and J. Liu. 2006. Effects of zoonotic disease attributes on public attitudes towards wildlife management. *Journal of Wildlife Management* 69: 1746–1753.

Peterson, M. N., M. J. Peterson, and T. R. Peterson. 2006. Why conservation needs dissent. *Conservation Biology* 20: 576–578.

Peterson, T. R., M. N. Peterson, M. J. Peterson, S. A. Allison, D. Gore. 2006. To play the fool: Can environmental conservation and democracy survive social capital? *Communication and Critical/Cultural Studies* 3: 116–140.

Lopez, R. R., P. M. Harveson, M. N. Peterson, N. J. Silvy, and P. A. Frank. 2005. From the field: Changes in ranges of Florida Key deer—does population density matter? *Wildlife Society Bulletin* 33: 343–348.

Peterson, M. N., R. R. Lopez, E. J. Laurent, P. A. Frank, N. J. Silvy, and J. Liu. 2005. Wildlife loss through domestication: The case of

- endangered Key deer. *Conservation Biology* 19: 939–944.
- Peterson, M. N., M. J. Peterson, and T. R. Peterson. 2005. Conservation and the myth of consensus. *Conservation Biology* 19: 762–767.
- Peterson, M. N. 2004. An approach for demonstrating the social legitimacy of hunting. *Wildlife Society Bulletin* 32: 310–321.
- Lopez, R. R., N. J. Silvy, R. N. Wilkins, P. A. Frank, M. J. Peterson, M. N. Peterson. 2004. Habitat use patterns of Florida Key deer: Implications of urban development. *Journal of Wildlife Management* 68: 900–908.
- Peterson, M. N., S. A. Allison, M. J. Peterson, T. R. Peterson, and R. R. Lopez. 2004. A tale of two species: Habitat conservation plans as bounded conflict. *Journal of Wildlife Management* 68: 743–761.
- Peterson, M. N., R. R. Lopez, P. A. Frank, B. A. Porter, and N. J. Silvy. 2004. Key deer fawn response to urbanization: Is sustainable development possible? *Wildlife Society Bulletin* 32: 493–499.
- Peterson, M. N., R. Aguirre, T. A. Lawyer, D. A. Jones, J. N. Schaap, M. J. Peterson, and N. J. Silvy. 2003. Animal Welfare-based Modification of the Rio Grande Wild Turkey Funnel Trap. *Proceedings of the Annual conference of the Southeastern Association of Fish and Wildlife Agencies* 57: 208–212.
- Peterson, M. N., R. R. Lopez, P. A. Frank, M. J. Peterson, N. J. Silvy. 2003. Evaluating capture methods for urban white-tailed deer. *Wildlife Society Bulletin* 31: 1176–1187.
- Peterson, M. N., R. R. Lopez, N. J. Silvy, C. B. Owen, P. A. Frank, and A. W. Braden. 2003. Evaluation of deer exclusion grates for urban areas. *Wildlife Society Bulletin* 31: 1198–1204.
- Peterson, M. J., R. Aguirre, P. J. Ferro, D. A. Jones, T. A. Lawyer, M. N. Peterson, and N. J. Silvy. 2002. Infectious disease of Rio Grande wild turkeys in the Edwards Plateau of Texas. *Journal of Wildlife Diseases* 38: 826–833.
- Peterson, M. J., P. J. Ferro, M. N. Peterson, R. M. Sullivan, B. E. Toole, and N. J. Silvy. 2002. Infectious disease survey of lesser prairie chickens in North Texas. *Journal of Wildlife Diseases* 38: 834–839.
- Peterson, M. N., W. E. Grant, R. R. Lopez, N. J. Silvy. 2002. Implications of fetal sex ratio hypotheses in endangered populations: Simulated dynamics of Florida Key deer, Florida USA. *Ecological Modelling* 165: 209–220.

Peterson, M. N., T. R. Peterson, M. J. Peterson, R. R. Lopez, and N. J. Silvy. 2002. Cultural conflict and the endangered Florida Key deer. *Journal of Wildlife Management* 66: 947–968.

Book Chapters:

Peterson, M. N. 2008. Hunting. In Press *in* Sven Jorgenson editor. Encyclopedia of Ecology, Elsevier.

Peterson, M. N., M. J. Peterson, and T. R. Peterson. 2007. Moving toward sustainability: integrating social practice and material process. Pages 189–221 *in* P. Pezzullo and R Sandler editors. Environmental Justice and Environmentalism. MIT Press, Cambridge, MA, USA.

Meeting Proceedings:

Peterson, M. N., M. J. Peterson, and T. R. Peterson. 2005. Moving toward sustainability through environmental justice. *in* K. Deluka, editor. Proceedings of the 8th Biennial Conference on Communication and the Environment. Department of Speech Communication, University of Georgia, Athens, Georgia, USA.

Peterson, M. N., M. J. Peterson, and T. R. Peterson. 2003. Embracing the paradoxical in environmental decision making. Pages 52–61 *in* G. B. Walker & W. J. Kinsella, editors. Proceedings of the 7th Biennial Conference on Communication and Environment. Department of Speech Communication, Oregon State University, Corvallis, Oregon, USA.

Technical Reports:

Peterson, M. N., R. R. Lopez, N. J. Silvy. Final Report, Evaluation of deer guards for Key deer, Big Pine Key, Florida. Florida Department of Transportation.

Research Reports and Professional Commentary

Meadows, R. 2005. Domestication threatens Key deer. *Conservation in Practice*. Oct–Dec: 11.

Interview with Nils Peterson. 2005. Policy decisions should be based on ecology. *Marine Protected Areas News* 7 (1): 4.

RESEARCH IN PROGRESS

Under Revision

Peterson, M. N., and J. Liu. Impacts of religion on environmental

worldviews: the Teton Valley case. *Society & Natural Resources*.

Liu, J., S. Nichols, and M. N. Peterson. Health benefits of biodiversity conservation: New hope for sustaining biodiversity and human health. *Frontiers in Ecology and the Environment*.

Peterson, M. N., X. Chen, and J. Liu. Measuring direct impacts of attitudes on the environment using household location choices. *Conservation Biology*.

Peterson, M. N., and J. Liu. Property rights and sustainable development in the Intermountain West: The Teton Valley case. *Landscape and Urban Planning*.

Peterson M. N., L. M. Busch, S. J. Riley, and J. Liu. Reconciling wildlife management's conflicted purpose with a land community worldview. *Journal of Wildlife Management*.

In Review

Peterson, M. N., A. G. Mertig, and J. Liu. Influence of urban immigrants on outdoor recreation and land use in Teton Valley. *Journal of Recreation and Park Administration*.

Peterson, M. N., V. Hull, A. G. Mertig, and J. Liu. Evaluating household-level relationships between environmental views and outdoor recreation. *Leisure Science*.

In Progress

Peterson M. N., and W. E. Grant. Modeling fitness of environmental decision making strategies in dynamic environments. *Ecological Modelling*.

Peterson, M. N., and J. Liu, Editors. Handbook of modeling coupled human-natural systems.

PRESENTATIONS

Peterson M. N., L. M. Busch, S. J. Riley, and J. Liu. Reconciling wildlife management's conflicted purpose with a land community worldview. The 14th Annual Conference of The Wildlife Society. Tucson, Arizona. 23–27 September 2007.

Peterson, M. N., X. Chen, and J. Liu. Measuring direct impacts of attitudes on the environment using household location choices. The 22nd Annual Symposium of the International Association of Landscape Ecology. Las Vegas, Nevada. April 9—April 13, 2007.

- Peterson, M. N., M. J. Peterson, T. R. Peterson, and J. Liu. Rocking the lifeboat ethic: a household view for wildlife conservation. The 13th Annual Conference of The Wildlife Society. Anchorage, Alaska. 23–27 September 2006.
- Peterson, M. N., A. G. Mertig, and J. Liu. Effects of zoonotic disease attributes on public attitudes towards wildlife management. The 12th Annual Conference of The Wildlife Society. Madison, Wisconsin. 25–29 September 2005.
- *Peterson, M. N., M. J. Peterson, T. R. Peterson. Moving toward sustainability through environmental justice. The 8th Biennial Conference on Communication and the Environment. Jeckyll Island, Georgia. 24–27 June 2005.
- Peterson, M. N., S. A. Allison, M. J. Peterson, T. R. Peterson, and R. R. Lopez. A tale of two species: Habitat conservation plans as bounded conflict. The 11th Annual Conference of The Wildlife Society. Calgary, Alberta, Canada. 18–22 September 2004.
- Peterson, M. N., R. R. Lopez, E. J. Laurent, P. A. Frank, N. J. Silvy, and J. Liu. Spatio-temporal changes in Key deer sociobiology indicating domestication. The 19th Annual Symposium of the International Association of Landscape Ecology. Las Vegas, Nevada. March 30—April 2, 2004.
- Peterson, M. N. Managing Key deer conflict. Michigan State University, Fisheries and Wildlife Department. February 2003.
- *Peterson, M. N., R. Aguirre, T. A. Lawyer, D. A. Jones, J. N. Schaap, M. J. Peterson, and N. J. Silvy. Animal welfare-based modification of the Rio Grande wild turkey funnel trap. Fifty-seventh Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Mobile, Alabama. 11–15 October 2003.
- Peterson, M. N., R. R. Lopez, P. A. Frank, M. J. Peterson, and N. J. Silvy. Evaluating capture methods for urban white-tailed deer. The 10th Annual Conference of The Wildlife Society. Burlington, Vermont. 6–10 September 2003.
- Peterson, M. N., T. R. Peterson, M. J. Peterson, R. R. Lopez, and N. J. Silvy. Moral culture and the endangered Florida Key deer. The 10th Annual Conference of The Wildlife Society. Burlington, Vermont. 6–10 September 2003.
- Peterson, M. N., R. R. Lopez, P. A. Frank, M. J. Peterson, N. J. Silvy. Evaluating capture methods for urban white-tailed deer. The 38th Annual Meeting of the Texas Chapter of The Wildlife Society. Waco, Texas. 13–15 February 2003.

*Peterson, M. N., T. R. Peterson, and M. J. Peterson. Improving wildlife conservation policy by exploiting its scientific, ethical, and political paradoxes. 3rd International Wildlife Management Congress, Christchurch, New Zealand, 1–5 December 2003.

*Peterson, T. R., M. N. Peterson, and M. J. Peterson. Ethical implications of integrating individual, population, and community-level concerns into decisions about wildlife research and management in urban areas. 3rd International Wildlife Management Congress, Christchurch, New Zealand, 1–5 December 2003.

*Peterson, T. R., M. N. Peterson, and M. J. Peterson. Negotiating environmental policy in contemporary democracy: An uneasy coexistence between rhetoric and science. University of Waikato, Hamilton, New Zealand. 16 December 2003.

Peterson, M. N., W. E. Grant, R. R. Lopez, N. J. Silvy. Management implications of adaptive fetal sex ratio allocation in white-tailed deer. The 37th Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas. 21–23 February 2002 and the Southeast Deer Study Group, Mobile, Alabama. 2002

*Jones, D. A., F. C. Nelson, M. N. Peterson, C. J. Randel, J. N. Schaap, M. J. Peterson, N. J. Silvy, T. W. Schwertner, R. Aguirre, and T. A. Lawyer. Factors influencing Rio Grande turkey in the Edwards Plateau of Texas. The 37th Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas. 21–23 February 2002.

*Jones, D. A., J. N. Schaap, M. N. Peterson, F. C. Nelson, M. J. Peterson, N. J. Silvy, T. W. Schwertner, R. Aguirre, and T. A. Lawyer. Factors influencing Rio Grande turkey in the Edwards Plateau of Texas. The 9th Annual Meeting of The Wildlife Society. Bismarck, North Dakota. 24–28 September 2002.

Peterson, M. N., R. R. Lopez, M. J. Peterson, T. R. Peterson, and N. J. Silvy. The endangered Florida Key deer and moral conflict. The 36th Annual Meeting of the Texas Chapter of The Wildlife Society, College Station, Texas. 8–10 March 2001.

*Peterson, M. J., P. J. Ferro., M. N. Peterson, R. M. Sullivan, B. E. Toole, and N. J. Silvy. Infectious disease survey of lesser prairie-chickens in northeastern Texas. 24th International Meeting of the Prairie Grouse Technical Committee, Woodward, Oklahoma. 5–8 November 2001.

*Presented by co-author

TEACHING

Graduate Course

Systems Modeling and Simulation, FW 852, MSU

Undergraduate Course

Animal Ecology Lab, WFSC 403, TAMU

Students Mentored:

Kathryn K. Vickery, Bachelors of Arts in Anthropology and Sociology, Kalamazoo College, Senior Individualized Project: (Habitus in Operation: Cultural Conflict in the Developing Rural West [passed with honors]), Graduated Spring 2005.

GRANTS AWARDED

NASA Earth Systems Science Fellowship (2006–current): \$66,000

Future Academic Scholars in Teaching Fellowship (2006–2007):
\$1,000

Budweiser Conservation Scholarship (2004–2005): \$10,000

Blackbeard Diving Company: \$2,590

MSU Graduate Research Enhancement Award (2005): \$1,000

MSU Graduate Student Travel Award (2005): \$200

MSU Distinguished Fellowship (2004–2007): \$44,000

Collaborated in writing successful grant proposals to NASA, USDA, and U.S. Fish and Wildlife Service (PI's Dr. Roel Lopez and Dr. Jack Liu)

PROFESSIONAL AFFILIATIONS

The Wildlife Society (since 1995)

International Association for Landscape Ecology (since 2004)

SERVICE

Journal Referee:

Biological Conservation, *Conservation Biology*, *Ecological Modelling*, *Environmental Communication: A Journal of Nature and Culture*, *Frontiers in Ecology*, *Journal of Recreation and Park Administration*, *Journal of Wildlife Management*, *Landscape & Urban Planning*, *Wildlife Research*, *Wildlife Society Bulletin*, *Urban Ecology*

Public Seminars:

Seminars for Boy Scouts, public schools, and other groups.

Boy Scouts of America:

Scout Master, Troop 190, Chief Okemos Council—2004–2006.

**Graduate Student Seminar Committee, Department of Fisheries
and Wildlife, Michigan State University:**

Committee member—2003–2006.