

# Megan M. Draheim

## Contact Information:

mdraheim@vt.edu

megan.draheim@gmail.com

## EDUCATION

### **PhD, Environmental Science and Policy**, George Mason University (2012)

- Dissertation: “Social Conflict and Human-Coyote Interactions in Suburban Denver”
- Comprehensive Examination Fields: Conservation Biology, Urban Ecology, Environmental Sociology, General and Population Ecology, Qualitative and Quantitative Research Methodology, Science Communication and Education

### **MS, Environmental Science and Policy**, George Mason University (2008)

- Thesis: “Who’s Afraid of the Big Bad Coyote? A Survey of Messaging and Existing Attitudes in the National Capital Region”

### **Post-Baccalaureate Course Work, Life Sciences and Conservation**, University of Maryland (1999-2002)

### **BA, Fine Arts and Photography**, George Washington University (1999)

- Magna Cum Laude, Phi Beta Kappa and National Collegiate Honors Society

## RESEARCH EXPERIENCE

### **Summary of Research Skills**

- Quantitative and qualitative social science research methods
- Ecological field work
- Coordination with multiple research partners, including academics and NGOs

### **Selected Research Projects**

- **Human-Coyote Conflict in Suburban Denver** (2009-2012)
  - Examined support for different management strategies and social conflict over human-coyote interactions
- **A Survey of Messaging and Existing Attitudes Towards Coyotes in the National Capital Region** (2006-2008)
  - Examined attitudes towards a recently established species and the effectiveness of different messages about coyotes
- **The Effectiveness of Predator Coexistence Programs in the U. S.** (2006)
  - Surveyed non-profit and government-based predator coexistence programs in the United States
- **The Ecology of Free-Roaming Canids in Rock Creek Park** (2005-2006)
  - Developed project and carried out initial fieldwork to examine the ecology of red fox, coyote, and gray fox

- **The Potential for Marine Mammal Tourism in Bayahibe, Dominican Republic (2004-2005)**
  - Examined the potential for sustainable marine mammal-based tourism and attitudes towards cetacean conservation

## **HIGHER EDUCATION TEACHING AND RELATED EXPERIENCE**

### **Summary of Teaching Experience**

- Create and teach online master's level courses
- Created and taught in-person lecture-, discussion-, and lab-based courses, ranging from 10-60 students per class
- Teach individually and as part of a team
- Led experiential, field, and service-learning components of curricula
- Teach writing intensive courses

### **Virginia Tech Center for Leadership in Global Sustainability**

- Visiting Assistant Professor, Masters of Natural Resource Management (2012-Present)
  - Teach *Conservation Ecology*, a core requirement for the MNR program, and *Coastal Conservation and Management*, an elective. As of 2015 will also be teaching *Urban Wildlife* and *Human-Wildlife Conflict*. All courses are online.

### **Mason Center for Conservation Studies, George Mason University**

- Graduate Lecturer, *Mason-Smithsonian Undergraduate Semester* (2008-2011)
  - A semester-long residential program based at the Smithsonian Conservation Biology Institute. Lectured and led experiential class activities on topics including urban wildlife, attitudes towards wildlife and conservation, human-wildlife conflict, predator conservation, social science research methodology and conservation photography

### **Department of Environmental Science and Policy, George Mason University**

- Graduate Lecturer, *Environment and You: Issues for the 21<sup>st</sup> Century* (2011)
  - A general education course designed to increase students' scientific and environmental literacy, as well as research and writing skills
- Undergraduate Academic Advisor (2009)

### **Department of Biology, George Mason University**

- Graduate Lecturer, *Human-Wildlife Conflict* (2010)
  - An intensive week-long interdisciplinary summer course
- Undergraduate Academic Advisor (2005)
- Teaching Assistant, *Introduction to Biology Laboratory Sections* (2003-2005)
  - A general education course designed to give non-science majors an overview of the biological sciences

### **New Century College, George Mason University**

- Graduate Lecturer, *Sustainable World* (2009-2010)
  - An interdisciplinary review of environmental sustainability that is a core course for the Sustainability Studies major and minor at George Mason University
- Graduate Lecturer, *Human Creativity: Science and Art* (2010)

- An examination of the role that creativity plays in both science and art, with an emphasis on understanding human impacts on the Earth
- Graduate Lecturer, *Introduction to Conservation Studies* (2009)
  - An integrative course that provides students with a foundation in environmental conservation

**Center for Field Studies, George Mason University**

- Graduate Lecturer, *Virginia from the Ground Up: Urban Wildlife* (2008)
  - A week-long field-based experiential learning course focusing on urban and suburban biodiversity

**AWARDS AND FELLOWSHIPS**

- **Dissertation Completion Fellowship**, College of Sciences, George Mason University (2011-2012)
- **An Examination of the Motivations of Communities to Support Lethal or Non-lethal Coyote Management Programs**, Animal Welfare Institute (2011)
- **Humane Society Institute for Science and Policy Fellowship** (2011)
- **Graduate Student Outstanding Teaching Award**, Biology Department, George Mason University (2010)
- **Outstanding Master of Science Student Award**, Department of Environmental Science and Policy, George Mason University (2008)
- **A Survey of Attitudes towards Coyotes in the DC Metro Region**, Humane Society of the United States (2006)
- **The Ecology of Free-roaming Canids in Rock Creek Park, Washington DC**, Washington Biologists' Field Club (2006) [funds received but not utilized]
- **High Potential Graduate Research Assistant**, George Mason University (2005-2008)
- **Letters of Commendation for Excellence in Teaching**, George Mason University (2003-2005)

**RELATED POSITIONS AND EXPERIENCE**

- **Owner and Moderator, Our Urban Jungle Blog** (OurUrbanJungle.wordpress.com)
  - A blog about urban biodiversity and sustainability
- **Scientific Research Associate**, Project Coyote (2010-2011)
- **East Coast Consultant**, Project Coyote (2008-2009)
- **Scientific Associate**, Fundemar (Dominican Republic) (2007-2010)

**ACADEMIC AND PROFESSIONAL SERVICE AND ACTIVITIES**

- **Member**, Marine Welfare Science Committee, Marine Section of the Society for Conservation Biology (2013-Present)
- **Volunteer Coordinator**, The International Marine Conservation Congress, Fairfax, VA (2009)

- **Co-founder and organizer** of professional development seminars for George Mason University's Environmental Science and Policy Graduate Student Association (2008-2009)
- **Founding member**, Graduate Student Association, Department of Environmental Science and Policy, George Mason University (2007)
- **Graduate Student Representative to the Faculty**, Department of Environmental Science and Policy, George Mason University (2005-2007)
- **Mentor** to George Mason University undergraduates, including co-authoring research
- **External reviewer** for multiple scholarly journals (including *Conservation Biology*, *Human Dimensions of Wildlife*, *Environmental Studies and Sciences*, *Tourism Management*, and *Journal of Marine Biology*)

## PUBLICATIONS

**Draheim, M.M.**, Madden, F., McCarthy, J. B., and Parsons, E.C.M. (Eds). In preparation. *Human-Wildlife Conflict: Complexity in the Marine Environment*. [Book]

Parsons, E.C.M., Favaro, B., Aguirre, A. A., Bauer, A. L., Blight, L. K., Cigliano, J. A., Coleman, M. A., Cote, I.M., **Draheim, M.**, Fletcher, S., Foley, M. M., Jefferson, R., Jones, M. C., Kelaher, B. P., Lundquist, C. J., McCarthy, J. Nelson, A., Patterson, K., Walsh, L., Wright, A.J., Sutherland, W.J. 2014. Seventy-one important questions for the conservation of marine biodiversity. DOI: 10.1111/cobi.12303 [Article]

**Draheim, M.M.**, Patterson, K. W., Rockwood, L.L., Guagnano, G., and Parsons, E.C.M. 2013. Attitudes towards coyotes in an urban landscape: Management and public outreach implications. *Animals* 3: 1-18. [Article]

**Draheim, M.M.** 2013. Changing perspectives. *Journal of Wildlife Rehabilitation*. 33(2): 31-33. [Essay]

Karaffa, P., **Draheim, M.M.**, and Parsons, E.C.M. 2012. What's in a name? Do species' names impact student support for conservation? *Human Dimensions of Wildlife* 17: 308-310. [Extended abstract]

**Draheim, M.M.** 2012. Social conflict and human-coyote interactions in suburban Denver. PhD Thesis. George Mason University. [Dissertation]

**Draheim, M.** 2012. Dolphinarium. In: *An Introduction to Marine Mammal Biology and Conservation*. E.C.M. Parsons. Boston, MA: Jones & Bartlett Learning. [Book Contribution]

**Draheim, M.M.**, Rockwood, L.L, Guagnano, G., and Parsons, E.C.M. 2011. The impact of information on student's beliefs and attitudes towards coyotes. *Human Dimensions of Wildlife* 16(1): 67-72. [Article]

**Draheim, M.**, Bonnelly, I., Bloom, T., Rose, N., and Parsons, E.C.M. 2010. Tourist attitudes towards marine mammal tourism: An example from the Dominican Republic. *Tourism in Marine Environments* 6(4): 175-183. [Article]

Rose, N., and **Draheim, M.M.** 2010. Testimony in front of the House Committee on Natural Resources Subcommittee on Insular Affairs, Oceans and Wildlife, regarding educational aspects of public display of marine mammals. 27 April, USA House of Representatives. [Testimony]

Parsons, E.C.M. and **Draheim, M.** 2009. A reason not to support whaling: A tourism impact case study from the Dominican Republic. *Current Issues in Tourism* 12(4): 397-403. [Article]

**Draheim, M.M.**, and Parsons, E.C.M. 2008. Hispaniola. In: *Encyclopedia of Tourism and Recreation in Marine Environments*. Ed: Michael Lück. Cambridge, MA: CAB International. [Book Contribution]

**Draheim, M.M.** 2008. Introduction to Environment and Development: Conservation and Management. In: *Foundations of Environmental Sustainability: The Coevolution of Science and Policy*. Eds: Larry Rockwood, Ronald Stewart and Thomas Dietz. New York: Oxford University Press. [Book Contribution]

**Draheim, M.M.** 2007. Who's Afraid of the Big Bad Coyote? A Survey of Messaging and Existing Attitudes in the National Capital Region. MS Thesis. George Mason University. [Thesis]

Bryant, K.L., **Draheim, M.M.**, Johnson, Sarah A., and Pratt, Catherine M. 2007. *Introductory Biology, Laboratory Manual Supplement*. Dubuque, Iowa: Kendall/Hunt Publishing. [Book]

## PRESENTATIONS

**Draheim, M.M.**, McCarthy, J.B., Parsons, E.C.M and Madden, F. 2014. Human-wildlife conflict: Complexities in the marine environment. Symposium organizer at the *Third International Marine Conservation Congress*. 14-18 August 2014. Glasgow, UK [Symposium Organizer]

**Draheim, M.M.** 2014. Reducing marine animal welfare problems: A sociocultural approach. Presented at the *Third International Marine Conservation Congress*. 14-18 August 2014. Glasgow, UK. [Presentation]

Sprague, R. S. and **Draheim, M.M.** 2014. Complexities of conflict: Lessons from the critically endangered Hawaiian monk seal. Presented at the *Third International Marine Conservation Congress*. 14-18 August 2014. Glasgow, UK. [Presentation]

**Draheim, M. M.**, Ghosal, S., and Athreya, V. 2013. Leopards and Coyotes: Conflict over Social Construction, Values, and Solutions in Mumbai and Denver. Presented at *26<sup>th</sup> International Congress for Conservation Biology*. 21 – 25 July 2013. Baltimore, Maryland, USA. [Presentation]

**Draheim, M.M.**, Rockwood, L.L., Parsons, E.C.M., Guagnano, G., and Crate, S. 2012 Social conflict over coyotes in suburban Denver. Presented at *The Wildlife Society Annual Conference*. 13-18 October, Portland, Oregon, USA. [Presentation]

Madden, F. and **Draheim, M.M.** 2011. Marine-based human wildlife conflict: Moving towards best practices. Presented at the *Second International Marine Conservation Congress*. 14-18 May 2011. Victoria, British Columbia, Canada. [Focus group]

**Draheim, M.M.**, Rose, N.A., Kruse, C.A., and Parsons, E.C.M. 2010. Looking a gift horse in the mouth: Corporate conservation education programs. Presented at the *24th International Congress for Conservation Biology: Conservation for a Changing Planet*. 3-7 July 2010, Edmonton, Alberta, Canada. [Poster]

**Draheim, M.M.**, Rockwood, L.L., Parsons, E.C.M., and Guagnano G. 2009. Developing effective outreach material content to encourage human-coyote coexistence in an urban area. Presented at *Carnivores 2009: Carnivore Conservation in a Changing World*. 15-18 November 2009, Denver, Colorado. [Presentation]

Parsons E.C.M. and **Draheim, M.** 2009. A reason to support whale conservation – a tourism impact case study from the Dominican Republic. Presented at the *18<sup>th</sup> Biennial Conference on the Biology of Marine Mammals*, 12-16 October 2009, Quebec City, Canada. [Poster].

**Draheim, M.M.**, Rockwood, L.L., Guagnano, G., and Parsons, E.C.M. 2009. Predators and people in an urbanizing world. Presented at the *International Conference on Human Ecology*. 29 June – 3 July 2009, Manchester, UK. [Presentation]

**Draheim, M.M.**, Rockwood, L.L., Parsons, E.C.M., and Guagnano, G. 2009. Attitudes towards coyotes in urban landscapes: Management and public outreach implications. Presented at the *International Symposium of Urban Wildlife and the Environment*. 21-24 June 2009, Amherst, Massachusetts. [Presentation]

**Draheim, M.M.**, Rockwood, L.L., Parsons, E.C.M., and Guagnano, G. 2008. A survey of attitudes towards coyotes in a recently colonized area. Presented at the *Northeast Natural History Conference X*. 17-18 April 2008, Albany, NY. [Presentation]

**Draheim, M.M.**, Sellares, R., Bonnelly, I., Bloom, T., Lancho, P., Marti, M.J., Singh, M., Rose, N. and Parsons, E.C.M. 2007. The potential for marine mammal tourism in Bayahibe, Dominican Republic. Presented at *Coastal Connections: Linking Research and Education in Tropical Coastal Systems*, 11 November 2007, Antioch University New England, Keene, New Hampshire. [Presentation]

Parsons, E.C.M., Sellares, R., Bonnelly de Calventi, I., and **Draheim, M.M.** 2007. Dolphins and daiquiris: Integrating coastal research, ecotourism and environmental education in the Caribbean. Presented at *Coastal Connections: Linking Research and Education in Tropical Coastal Systems*, 11 November 2007, Antioch University New England, Keene, New Hampshire. [Presentation]

**Draheim, M.M.**, Madden, F. and Rockwood, L.L. 2006. The effectiveness of predator coexistence programs in the United States. Presented at *Defenders of Wildlife Carnivores 2006*, 12-15 November 2006, St. Petersburg, Florida. [Poster]

Parsons, E.C.M., Bonnelly de Calventi I., Rose, N.A., Vasquez, O., Whaley, A.R., **Draheim, M.M.** and McConchie, T. 2005. A multi-national dolphin research and conservation project in the Dominican Republic. Presented at *5th Congreso de la Biodiversidad Caribeña*, 25-38 January 2005, Santo Domingo, Dominican Republic. [Presentation]

**Draheim, M.** and Rockwood, L.L. 2004. The potential use of dogs (*Canis familiaris*) in the scent identification of coyote (*Canis latrans*) scat. Presented at the *Animal Behavior Management Alliance's Conference*. April 4-9 2004, Baltimore, Maryland. [Poster]