

# SABRINA MORANO

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Department of Wildlife, Fisheries and  
Conservation Biology  
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## **Education**

- 2016                      Ph.D. in Evolution, Ecology, and Conservation Biology  
                                    University of Nevada, Reno. Dissertation: *Population Ecology and Summer Habitat Selection of Mule Deer in the White Mountains: Implications of Changing Landscapes and Variable Climate*. Advisor: Dr. Kelley M. Stewart
- 2004                      B.S in Natural Resource Conservation, Wildlife  
                                    University of Massachusetts, Amherst.
- 2003                      Università per Stranieri. Siena, Italy,  
                                    Intermediate level Italian
- 2002                      School for Field Studies. Nairobi, Kenya,  
                                    Course in Community Wildlife Management

## **Professional Experience**

- 2018 – Present            Assistant Research Professor, Wildlife Ecology  
                                    Department of Wildlife, Fisheries and Conservation Biology  
                                    University of Maine, Orono, ME
- 2017 - Present            Adjunct Teaching Faculty, Wildlife Ecology  
                                    Department of Wildlife, Fisheries and Conservation Biology  
                                    University of Maine, Orono, ME
- 2014 - 2017                Teaching and Research Associate  
                                    Department of Wildlife, Fisheries and Conservation Biology  
                                    University of Maine, Orono, ME

## **Publications and Reports**

- 2018                      Morano, S., K. M. Stewart, T. Dilts, A. Ellsworth, V. C. Bleich. 2018.  
                                    Resource selection of mule deer in a shrub-steppe ecosystem: influence of  
                                    woodland distribution and animal behavior. *Ecosphere* (In Review)

- 2017 Pekins, P., S. Morano. 2017. Moose Density and Forest Regeneration Relationships in Maine. Cooperative Forestry Research Unit Final Report (4/2017).
- Blomberg, B., S. Morano, S. Fraver. 2017 Bat Ecology in Maine Commercial Forests: Information Synthesis, Future Research Needs, and Pilot Data Collection. Cooperative Forestry Research Unit Final Report (4/2017).
- 2016 Morano, S. 2016. Population Ecology and Summer Habitat Selection of Mule Deer in the White Mountains: Implications of Changing Landscapes and Variable Climate. Doctoral Dissertation, University of Nevada Reno.
- 2013 Morano, S., K.M. Stewart, J.S. Sedinger, C. A. Nicolai, and M. Vavra. 2013. Life-history strategies of North American elk: tradeoffs associated with reproduction and survival. *Journal of Mammalogy* 94:162-172.
- 2008 Barrett, M.A., S. Morano, G.D. DelGiudice, J. Fieberg. 2008 Translating bait preference to capture success of northern white-tailed deer. *Journal of Wildlife Management* 72: 555-560.

**Teaching Experience**

*University of Maine:*

- WLE 201 Writing intensive Ecology Lab. Fall 2015, 2016, 2017, 2018 (Instructor)
- WLE 100 Introduction to Wildlife Management. Fall 2015, 2016, 2017, 2018 (Co-Instructor)
- WLE 455 Capstone course in Wildlife-Habitat Relationships Spring 2017 (Co-Instructor)
- WLE 450 Wildlife-Habitat Relationships. Using resource selection functions to assess wildlife-habitat relationships. Spring 2015 (Invited course lecture)

*University of Nevada Reno:*

- NRES 100 Intro to Natural Resources and Env Sci Fall 2011 (Teaching Asst.)
- NRES210 Environmental Pollution Spring 2009, 2010 (Teaching Asst.)
- NRES 310 Wildlife Ecology and Management Fall 2007, 2008 (Teaching Asst.)

**Undergraduate Student Mentoring**

- 2018 – Present      Bridget Re (Wildlife, Fisheries and Conservation Biology)  
Honors Thesis
- 2015- Present      Faculty Adviser to the UMaine Student Chapter of the Wildlife  
Society
- 2015 – Present      Undergraduate advisor to ~30 Wildlife Ecology majors

**Service and Outreach Activities**

**Conference Session Chair:**

- Large Mammal Ecology Session- The Wildlife Society's Western Section meeting 2013
- General Session- The Nevada Chapter of the Wildlife Society 2011

**Outreach**

- Big Brothers Big Sisters Science Day 2011, 2012, 2013
- Reno Elementary Nature Field Trip
- Coral Academy Science Fair Judge

**Grants and Awards**

- 2011 Nevada Wildlife Commission Heritage Program (\$36,000). Habitat use of mule deer on agricultural lands: implications for survival and reproduction.
- 2009 - 2016 The Wildlife Society Student Travel Grant 2009, 2011, 2016 (\$250, \$500)
- 2012- 2013 College of Natural Resources Graduate Scholarship 2012, 2013 (\$2,200)
- 2011 EECB Summer Stipend (\$1,200)
- 2009 – 2012 Graduate Student Association Travel Grant 2009, 2010, 2012 (\$250, \$500)

**Professional Presentations**

- 2016 BatME: Citizen-science bat monitoring in Maine. The Wildlife Society Annual Conference, October 2016. Poster presentation.  
  
New approaches to citizen-science bat monitoring in Maine. International Bat Research Symposium, Winter Harbor, ME, April 2016. Poster presentation.
- 2013 Pinyon-juniper expansion in the White Mountains: implications for mule deer demographics and habitat use. The Wildlife Society Annual Conference 2013, The American Society of Mammalogists Annual Conference 2013. Oral Presentation.

Habitat use of mule deer on agricultural lands: implications for survival and reproduction. The Wildlife Society's Western Section Conference 2013. Poster Presentation

- 2012 Classification of tree cover in the White Mountains: implications for habitat use. The Wildlife Society annual conference 2012. Poster Presentation
- 2011 Pinyon-juniper expansion in the White Mountains: implications for mule deer demographics and habitat use. The Wildlife Society Annual Conference 2011. Poster Presentation

Mineral deficiency or disease: wildlife as indicators for livestock. USDA Managed Ecosystem program meeting 2011. Poster Presentation

- 2010 Survival of North American elk (*Cervus elaphus*): costs of reproduction. The Wildlife Society Annual Conference 2010. Oral Presentation

### **Professional Work Experience**

- 2015 - 2017 Co-PI - Moose Density and Forest Regeneration Relationships in Maine,
- 2015 - 2017 Project Cooperator - Bat Ecology in Maine Commercial Forests: Information Synthesis, Future Research Needs, and Pilot Data Collection
- 2015 – 2017 Project Cooperator – Bat monitoring and citizen science data collection in Maine
- 2014 – 2016 Project manager – Snowshoe hare monitoring and abundance in managed forests, and database management
- 2010 - 2013 Research Assistant, University of Nevada, Reno.  
Supervisor: Kelley M. Stewart - Study focusing on habitat use of mule deer on agricultural lands and the implications for disease transmission, survival and reproduction. Responsibilities include field work, managing field assistants, organizing capture operations and telemetry flights, and data management.
- 2006 – 2008 Wildlife Technician, CA Department of Fish and Wildlife, Bishop, CA  
Supervisor: Alisa Ellsworth – Study focusing on habitat use and population demographics of mule deer in the White Mountains, CA. Responsibilities included field work (locating and observing animals using telemetry, investigating mortalities, collecting fecal samples and completing vegetation surveys), assisting with aerial telemetry flights, helicopter surveys, and animal captures, organizing field efforts and

technicians, managing an extensive database, and assisting with other projects (grouse lek counts and bighorn sheep surveys/mortality, etc.)

- 2005 Wildlife Technician, Theodore Roosevelt National Park, Medora, ND  
Supervisor: Michael Oehler; Assisted with field data collection for various large mammal projects.
- 2005 Wildlife Technician, Minnesota DNR Deer Project, Grand Rapids, MN  
Supervisor: Glenn DelGiudice - Study focusing on winter habitat use and nutrition of white-tailed deer in MN. Responsibilities included winter field work (captured deer using Clover traps, used chemical immobilization, gathered biological samples, measured browsed plants along transects) data entry, and maintenance of vehicles.
- 2002 Canvasser, Massachusetts Public Interest Research Group, Amherst, MA  
Grass roots fundraising campaign to increase public awareness of various environmental issues through outreach.
- 2001-2002 Student Coordinator, Student Center for Educational Research and Advocacy, UMASS Amherst - Act as an advocate for student interests on campus and in state government. Conduct study on the public safety at universities and presented findings to student body and faculty.

### **Professional skills**

Program R programming language for statistical analyses

Program MARK survival analysis software

ArcMap and other geospatial modeling environments

Access database construction and management

Various field and animal handling experience