

Marjorie ‘Mauri’ Liberati

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Current Positions:

Bailey Conservation Fellow, The Nature Conservancy, Michigan Field Office, Lansing, MI

USDA National Needs Fellow and **PhD Candidate**, University of Connecticut, Department of Natural Resources and the Environment, Wildlife and Fisheries Conservation Center

Degrees

Expected November 2018

Ph.D., University of Connecticut (UConn), Natural Resources and the Environment, Wildlife and Fisheries Conservation Center

Advisors: Chad Rittenhouse & Jason Vokoun

Chapter titles:

- Beyond protection: Expanding “conservation opportunity”: to redefine conservation planning in the 21st century [*published*]
- Addressing ecological, economic, and social tradeoffs of refuge expansion in constrained landscapes [*in review*]
- Subdividing for conservation?
- Making decisions under uncertainty for management of the threatened New England cottontail using value-of-information and sensitivity analyses

May 2017 **Sustainable Environmental Planning and Management Graduate Certificate**, UConn

Dec 2012 **M.S.**, The Ohio State University, Environment & Natural Resources, Fisheries & Wildlife Specialization
Advisor: Robert Gates

Thesis: *Spring dispersal and breeding ecology of Northern bobwhite in southwest Ohio*

Chapter titles:

- Spring dispersal of bobwhite [*published*]
- Breeding ecology of bobwhites
- Microhabitat influences on nest site selection and success for bobwhite [combined 3 & 4 *in review*]
- Home range and habitat selection of bobwhites during the breeding season

May 2009 **B.S.**, Virginia Polytechnic Institute and State University (Virginia Tech), Biology

Peer-Reviewed Publications

- Liberati, MR**, CD Rittenhouse, and JC Vokoun. 2018. Addressing ecological, economic, and social tradeoffs of refuge expansion in a constrained landscape. *Landscape Ecology: In Review*.
- Liberati, MR** and RJ Gates. 2018. The importance of early successional woody and herbaceous habitat for northern bobwhite during the breeding season. *Wildlife Society Bulletin: In Review*.
- Wiley, M, R Gates, A Janke, and **M Liberati**. 2017. Microhabitat associations and useable space for northern bobwhite on private farmlands in southwestern Ohio. *National Quail Symposium Proceedings 8*: 65-85.
- O'Connor, K, L Nathan, **M Liberati**, M Tingley, J Vokoun, and T Rittenhouse. 2017. Camera trap arrays improve detection probability of wildlife: Investigating study design considerations using an empirical dataset. *PLoS ONE 12*: e0175684.
- Driess, LM, J-M Hessenauer, LR Nathan, KM O'Connor, **MR Liberati**, DP Kloster, JR Barclay, AT Morzillo, and JC Vokoun. 2016. Interdisciplinary perceptions of adaptive management as an effective strategy for natural resources management. *Environmental Management*: 1-12.
- Liberati, MR**, CD Rittenhouse, and JC Vokoun. 2016. Beyond protection: Expanding “conservation opportunity”: to redefine conservation planning in the 21st century. *Journal of Environmental Management*: 183: 33-40.
- Driess, LM, DP Kloster, **MR Liberati**, JR Barclay, J-M Hessenauer, LR Nathan, KM O'Connor, JC Vokoun. 2015. Introducing Adaptive Management for Natural Resources: An Estuary Case Study. *Natural Sciences Education 44*: 1-10.
- Liberati, M**, A Janke, M Wiley, R Gates, and M Titchenell. 2013. Managing for bobwhite quail in Ohio’s agricultural landscape, W-27-13. Ohio State University Extension Publication.
- Liberati, MR**, and RJ Gates. 2012. Spring dispersal of northern bobwhites in southwestern Ohio. *Proceedings of the National Quail Symposium 7*:202-211.
- Gates, RJ, AK Janke, **MR Liberati**, and MJ Wiley. 2012. Demographic analysis of a declining northern bobwhite population in southwest Ohio. *Proceedings of the National Quail Symposium 7*:184-193.
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Research & Work Experience

- Sp 2018 **Coordinator for Graduate Writing Support**, Graduate Assistantship with the UConn Writing Center, Storrs, CT
- Fa 2015-Su 2018 **Writing Center Tutor**, UConn Writing Center, Storrs, CT
- Fa 2014-Fa 2018 **Doctoral Research**, UConn, Department of Natural Resources and the Environment, Wildlife and Fisheries Conservation Center, Storrs, CT
- Fa 2017 **Integrated Population Modeling Workshop**, Bayesian integrated population modeling (IPM) using JAGS, Patuxent, MD – taught by M. Schaub, S. Converse, and M. Kéry
- Su 2014 **Special Species and Relief Supervisor**, Tristate Bird Rescue & Research, Newark, DE
- Su 2013 **Southern Project Coordinator**, Saltmarsh Habitat & Avian Research Project (SHARP), based at University of Delaware, Newark, DE
- Relief Supervisor**, Tristate Bird Rescue & Research, Newark, DE

- Fa 2009-Sp 2012 **Masters Research**, Ohio State University, School of Environment & Natural Resources, Columbus, OH
- Su 2009 **Field Technician**, Swamp Sparrow Project, University of Delaware and the Smithsonian Migratory Bird Research Center, Woodland Beach, DE
- Senior Internship**, Tristate Bird Rescue & Research, Newark, DE
- Laboratory Technician**, Conjunctivitis Research, Hawley Lab, Virginia Tech, Blacksburg, VA
- Su 2008 **Internship**, Tristate Bird Rescue & Research, Newark, DE
- Fa 2007-Sp 2008 **Research Technician**, Walter's Avian Ecology Lab, Virginia Tech, Blacksburg, VA
- Fa 2006-Sp 2007 **Laboratory Assistant**, Hopkins' Wildlife Ecotoxicology & Physiological Ecology Lab, Virginia Tech, Blacksburg, VA
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Teaching Experience

- 2018, University of Connecticut, Writing Center, **Instructor**, *Graduate Seminar in Academic Writing*, 5-week non-credit seminar, Enrollment = 21 graduate students
- 2017, University of Connecticut, Ecology and Evolutionary Biology, **Summer Teaching Associate**, *Foundations of Biology – Laboratory* (BIOL 1102), 1 credit hour, Lab Section = 15 students
- 2017, University of Connecticut, Natural Resources and the Environment, **Guest Lecturer**, *Environmental Law* (NRE 3245), Developed and recorded two online mini-lectures, Enrollment = 28 students.
“Water Quality” - <https://mediasite.dl.uconn.edu/Mediasite/Play/f8049608a56a4b39bde5cc16fb80add81d>
“Endangered Species Act” - <https://mediasite.dl.uconn.edu/Mediasite/Play/d461c77e33174d87b0275b2d3cfbbccc1d>
- 2016, University of Connecticut, Natural Resources and the Environment, **Guest Lecturer**, *Research Methods in Natural Resources* (NRE 6000), Developed two classes on “Quantitative Methods in R”, Enrollment = 13 students.
- 2015, University of Connecticut, Ecology and Evolutionary Biology, **Teaching Associate**, *Mammalogy* (BIOL 3254/5254), 4 credit hour, Lab Section = 19 students
- 2015, University of Connecticut, Ecology and Evolutionary Biology, **Teaching Associate**, *Foundations of Biology – Laboratory* (BIOL 1102), 1 credit hour, Lab Sections = 48 students (2 lab sections)
- 2014, Tristate Bird Rescue & Research, **Guest Lecturer**, *Introduction to baby bird care and husbandry*, Afternoon seminar for organization's summer interns, Enrollment: 15 students.
- 2012, Ohio State University, Environment & Natural Resources, **Instructor of Record**, *Management of Wildlife Habitat* (ENR 625), 3 credit hours, Enrollment: 39 students.
- 2012, Ohio State University, Environment & Natural Resources, **Co-Instructor of Record**, *Wildlife Identification & Management* (ENR 624), 5 credit hours, Enrollment: 33 students (2 sections).
- 2011, Ohio State University, Environment & Natural Resources, **Teaching Associate**, *Wildlife Identification & Management* (ENR 624), 5 credit hours, Enrollment: 35 students, Lab Section: 16 students.

2010, Ohio State University, Environment & Natural Resources, **Teaching Associate**, *Wildlife Identification & Management* (ENR 624), 5 credit hours, Enrollment: 31 students, Lab Section: 16 students.

Continuing Education in Teaching

Course work:

Independent Study: Seminar in Academic Writing for Graduate Students – UConn (ENGL 6000)
Fundamentals of Teaching and Learning – UConn (EDCI 5830-001)
Seminars in College Instruction – UConn (GRAD 6000)

Conferences:

2018, Northeast Writing Center Association Conference – hosted at The College of Holy Cross in Worcester, MA on March 24-25

2017, Conference on Teaching at Teaching Intensive Institutions – hosted at Westfield State University in Westfield, MA on Oct 6, 2017

2015-2017, The Conference on the Teaching of Writing – hosted at UConn in Storrs, CT on Apr 7, 2017; Mar 25, 2016; and Mar 26, 2015.

Teaching seminars through the UConn Office of Teaching and Learning:

2018, Peer Review in Writing-Intensive Courses
2017, Seminar Series: Learning Science Evidence and Strategies Applied to Teaching Freshmen – 5-part series focused on B. Carey’s book *How we learn: The surprising truth about when, where, and why it happens*
2016, Learning and Assistive Technologies Faculty May See in the Classroom
Prezi - Collaborative Presenting Unleashed
Writing-Intensive Courses in the Sciences: One Teaching Method
2015, Intercultural Communications
Academic Honesty, Cheating, Plagiarism, and SafeAssign
Flipped Classroom
2014, Adding Instructional Design Basics to your Toolbox

Teaching seminars/webinars through the Ohio State Center for the Advancement of Teaching:

2013, At-Risk: Identify and Approach Students with Mental Distress
Veterans on Campus
2012, Writing Together: Collaboration, Group Work, and Peer Review
Plagiarism, Ethics, and Writing
Writing in Semesters
Facilitating Classroom Discussion
Creating Effective Visuals
2011, Building a Teaching Portfolio

Professional Activities

2016-present **Donald H. Rusch Game Bird Research Scholarship Award Committee**, The Wildlife Society
2016 **Reviewer** for Proceedings of the Eighth National Quail Symposium

- 2013 **Banding Seminar**, Association of Field Ornithologists Conference, FL
- 2012 **Reviewer** for Proceedings of the Seventh National Quail Symposium
- 2009 **Conservation Leaders for Tomorrow**, Max McGraw, Dundee, IL
National program designed to educate future natural resource professionals about the role and importance of hunting in wildlife conservation.
- 2009-2013 **Officer in GradRoots** (graduate student organization in SENR at Ohio State)
2010-2013 – Secretary & Webmaster
2009 – Graduate Studies Committee
- 2010 **SEEDS Grant Review Panel** for Ohio Agricultural Research & Development Center – student review panel that awarded competitive grants to peers.
- 2009-2010 **Graduate Studies Committee**, Ohio State
Master’s representative to the committee which oversees the conduct and administration of the School’s graduate program.

Awards & Grants

- 2018 **Pre-doctoral Fellowship** - \$750, Dept. Natural Resources and the Environment, UConn
- 2017 **Travel Award** – \$750, UConn Doctoral Student Travel Award for presentation at TWS Albuquerque titled *Addressing Ecological, Economic, and Social Tradeoffs of Refuge Expansion in a Constrained Landscape*
- 2017 **Institute of Biological Risk Grant** – \$5,388, Title: *Conservation planning in human-dominated landscapes*
- 2017 **Pre-doctoral Fellowship** – \$750, Dept. Natural Resources and the Environment, UConn
- 2017 **Travel Award** – \$500, from US Regional Association of the International Association for Landscape Ecology (US-IALE), Baltimore, MD for presentation titled *Conservation Planning in Constrained Landscapes: Addressing Economic and Social Tradeoffs to Assist Refuge Expansion*
- 2017 **Travel Award** – \$250, from UConn Wildlife & Fisheries Conservation Center for presentation at US-IALE in Baltimore, MD
- 2016 **Bishop-Carder Scholarship** – \$2,333, College of Agriculture, Health, and Natural Resources, UConn
- 2016 **Pre-doctoral Fellowship** – \$579, Dept. Natural Resources and the Environment, UConn
- 2016 **Travel Award** – \$150, from UConn Wildlife & Fisheries Conservation Center for presentation at New England Association of Fish & Wildlife Associations titled *Beyond protection: Expanding the conservation opportunity concept to redefine conservation planning in the 21st Century*
- 2013 **Student Presentation Award** – for presentation at the Association of Field Ornithologists Conference titled *Habitat selection and nesting ecology of Northern Bobwhite in Ohio*

2013	Travel Award – from Association of Field Ornithologists Conference for presentation titled <i>Habitat selection and nesting ecology of Northern Bobwhite in Ohio</i>
2012	GradRoots Minigrant - \$100 from the graduate student organization in the OSU Department of Environment & Natural Resources
2009	Ralph E. Carlson Memorial Scholarship in Ornithology , Virginia Tech
2008 & 2009	ACC Top Six for Service Award , Virginia Tech Awarded to the top six student-athletes at each ACC member institution for their dedication to community outreach.
2005-2009	Student-Athlete Varsity Letter , Virginia Tech Women's Soccer

Presentations

National

- Liberati, MR**, CD Rittenhouse, and JC Vokoun. 2017. *Addressing ecological, economic, and social tradeoffs of refuge expansion in a constrained landscape*. TWS National Conference, Albuquerque, NM, USA (Sep 23-27).
- Liberati, MR**, CD Rittenhouse, and JC Vokoun. 2017. *Conservation planning in constrained landscapes: Addressing economic and social tradeoffs to assist refuge expansion*. US Section of the International Association of Landscape Ecologists (US-IALE), Baltimore, MD, USA (Apr 9-13).
- Liberati, MR** and RJ Gates. 2013. *Habitat selection and nesting ecology of northern bobwhite in Ohio*. Presented at the Annual Meeting of the Association of Field Ornithologists, Venus, Florida, USA (Mar 27-30).
- Liberati, MR**, AK Janke, MJ Wiley, and RJ Gates. 2013. *Population dynamics and habitat selection of northern bobwhites in Ohio*. Presented at the Annual Meeting of the Wilson Ornithological Society. Williamsburg, Virginia, USA (Mar 7-10).
- Liberati, MR** and RJ Gates. 2012. *Spring dispersal of Northern bobwhites in southwestern Ohio*. Presented at the Quail VII: National Quail Symposium. Tucson, AZ, USA (Jan 9-12).
- Janke, AK, **MR Liberati**, MJ Wiley, BM Graves, and RJ Gates. 2010. *Survival and habitat use of northern bobwhites on private lands in Ohio*. Poster presented at Northern Bobwhite Technical Committee Annual Meeting. Wichita, KS, USA (Aug 3 - 6).

Regional

- Liberati, MR**, CD Rittenhouse, and JC Vokoun. 2017. *Conservation planning in constrained landscapes: Addressing economic and social tradeoffs to assist refuge expansion*. Wildlife & Fisheries Conservation Center MegaLAB, Storrs, USA (May 9).
- Liberati, MR**, CD Rittenhouse, and JC Vokoun. 2016. *Beyond protection: Expanding “conservation opportunity” to redefine conservation planning in the 21st century*. NRE & EE Joint Research Symposium, Storrs, CT (7 Oct).
- Liberati, MR**, CD Rittenhouse, and JC Vokoun. 2016. *Beyond protection: Expanding “conservation opportunity” to redefine conservation planning in the 21st century*.
- Presentation at Northeast Fish & Wildlife Conference, Annapolis, MD, USA (Apr 3-5).

- Presentation at Connecticut Conference on Natural Resources. Storrs, CT, USA (13 Mar)
- Presentation at the College of Agriculture, Health and Natural Resources (CAHNR) Grad Student Symposium, Storrs, CT, USA (3 Mar)

Liberati, MR, CD Rittenhouse, and JC Vokoun. 2015. *Operationalizing conservation opportunity areas for state wildlife action plans*. Poster at Connecticut Conference on Natural Resources. Storrs, CT, USA (16 Apr).

Wiley, MJ, AK Janke, **MR Liberati**, and RJ Gates. 2012. *Quantification of usable space and assessment of inter-patch distance for Northern bobwhite on private lands in Ohio*. Presented at Midwest Fish & Wildlife Conference, Wichita, KS, USA (Dec 9-12).

Liberati, MR and RJ Gates. 2012. *Breeding ecology of Northern bobwhites in southwestern Ohio*. Poster at the Ohio Natural History Conference. Columbus, OH, USA (11 Feb).

Liberati, MR and RJ Gates. 2011. *Breeding ecology of Northern bobwhites in southwestern Ohio*. Presented at Midwest Fish & Wildlife Conference. Des Moines, IA, USA (Dec 4-7).

Invited

Liberati, MR, CD Rittenhouse, and JC Vokoun. 2016. *Beyond protection: Expanding “conservation opportunity” to redefine conservation planning in the 21st century*. Ecology and Evolutionary Biology Grad Student Research Symposium, Storrs, CT. (Feb 13)

Liberati, MR. 2014. *Spring dispersal and breeding ecology of northern bobwhites in southwest Ohio*. Presented at Spring 2014 MegaLab, Department of Natural Resources and the Environment, Storrs, CT.

Liberati, MR. 2014. *Avian Stress and Volunteer Work Hazards*. Presented at Tristate Bird Rescue’s New Volunteer Orientation & Training. Newark, DE (April 2014).

Liberati, MR. 2013. *Spring dispersal and breeding ecology of northern bobwhites in southwest Ohio*. Presented to the Wildlife Ecotoxicology & Physiological Ecology Lab at Virginia Tech, Blacksburg, VA.

Janke, AK, **MR Liberati**, MJ Wiley, and RJ Gates. 2011. *Habitat management for Bobwhite quail*. Presented at Farm Science Review for OSU Extension. London, OH (Sep 2011).

Janke, AK, **MR Liberati**, MJ Wiley, and RJ Gates. 2011. *Northern bobwhites in Ohio*. Presented at Ohio Private Lands Partners Meeting. Columbus, OH (18 Feb).

Janke, AK, **MR Liberati**, MJ Wiley, and RJ Gates. 2010-2011. *Ohio bobwhite basics*. Quail workshops for private landowners in southwest Ohio, presented in 8 counties.

Service and Outreach

Mar 19, 2018 **Science Trivia**, organized trivia outreach event at a local restaurant that was open to the public as part of our ‘Drink with a Scientist’ programming organized by STEM graduate students

Jan 11, 2018 **Science Café**, skyped with the Cholla Public Library in Phoenix, AZ for program was titled “Caught in the act: Camera trapping to inform wildlife management” (co-presenter: J. Kilburn)

2015-2018 (Mar 25, Mar 22, Mar 2, and Mar 1 respectively)

Invention Convention Judge, judge at local school’s annual spring invention convention

- May 10, 2017 **Skype-with-a-Scientist Program**, skyped with an AP Biology class in Corfu, NY
- Sep 2016-Jul 2017 **Member of the Coventry Conservation Commission**, volunteer position with town government
- Feb-Apr 2017 **Skype-with-a-Scientist Program**, skyped with two middle school classrooms in Los Fresnos, Texas for 6 weeks during their ecology and natural resources learning module
<http://magazine.uconn.edu/2017/09/25/skype-a-scientist/>
- Nov 18, 2016 **Ask-a-Scientist Program**, spoke with local high school students about my path to becoming a scientist
- Fall 2016 **Aetna Selection Chair** for committee that selects undergraduate writing award winners for science and engineering at UConn
- Jun 24-25 2015 **UConn Bioblitz Expert**, lead the Bird Nature Walk open to the public
- Fall 2011 **Ohio Farm Science Review Presentation**, public presentations about northern bobwhites in Ohio and my lab's research efforts
- Fall 2011 **Private Landowner Workshops**, hosted multiple workshops in counties where conducting masters research on northern bobwhites
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Certification

- April 2018 **Husky Safe Zone Training**
- April 2018 **Bear Awareness Training**
- Feb 2015-Jan 2021 **CITI Certification in Human Subjects Research**
Initial course completed 24 Feb 2015
Refresher course completed 27 Jan 2018
- Sep 2014 **UConn Responsible Conduct in Research Training**
Two in-person training seminars and online CITI certification
- June 2013 **Maryland Boating Education Course**
- Feb 2013 **U.S. Trapper Education Course**
- Oct 2009 **Hunter Education Course**
- May 2009 **Wildland Firefighting Red Card**
S-130 – Basic Wildland Firefighting Training, **S-190** – Introduction to Wildland Fire Behavior, **I-100** – Introduction to ICS, **L-180** – Human Factors to the Fireline
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