

Michaela Lambert

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Education

Master of Science, 2017- Present. Forestry and Natural Resource Sciences, University of Kentucky

Bachelor of Science, 2017. Natural Resources and Environmental Science, University of Kentucky

Bachelor of Science, 2017. Equine Science and Management, University of Kentucky

Professional and Working Experience

- Environmental Scientist II, Nonpoint Source and Basin Team Section, Watershed Management Branch, Kentucky Division of Water. July 2019 – Present.
- Graduate Teaching Assistant, Department of Forestry and Natural Resource Sciences, University of Kentucky. July 2017 – Present.
- Pasture Evaluation Technician, The Farm Clinic Lexington, Kentucky. May 2017 – July 2017.
- Herpetology and Freshwater Ecology Technician, Dr. Steven Price's Riparian and Stream Ecology Laboratory, Department of Forestry and Natural Resource Sciences, University of Kentucky. May 2015 – June 2017.
- National Science Foundation Research Experience for Undergraduates in Radioecology. May 2016 – August 2016.

Research Projects

- Study investigating the calling behavior of a threatened anuran, the crawfish frog (*Lithobates areolatus*)
- Study investigating the sublethal metabolic effects of radiocesium and mercury contamination in florida green watersnakes (*Nerodia floridana*)
- Study investigating how local and landscape level factors affect pond breeding amphibian occupancy, abundance, and species richness in created wetlands on a reforested surface mine in West Virginia
- Habitat analysis of 40 artificial wetlands across an age gradient on a reforested surface mine in West Virginia
- Study investigating the diet of the eastern red spotted newt (*Notophthalmus viridescens*) and the spotted salamander (*Ambystoma maculatum*) on a reforested surface mine in West Virginia
- Capture mark recapture study of the eastern red spotted newt (*Notophthalmus viridescens*) on a reforested surface mine in West Virginia

Publications

Lambert M. M., Brown M. B., Haskins D L., Russell A. L., Pilgrim M., & Tuberville T. D. (2017). Sublethal Effects of ¹³⁷Cs and Hg contamination on Florida Green Watersnakes (*Nerodia floridana*). *Thirteenth Annual SC Upstate Research Symposium*, 24 – 27.

Brown M. B., Lambert M. M., Russell A. L., Tuberville T. D., & Pilgrim M. (2016). Bioaccumulation of ¹³⁷Cs in Florida Green Watersnakes (*Nerodia floridana*) from Three Wetlands on the Savannah River Site. *USC Upstate Student Research Journal*, 9, 19-28.

Russell A. L., Brown M. B., Lambert M. M., Tuberville T. D., & Pilgrim M. (2016). Mercury Bioaccumulation in Florida Green Watersnakes (*Nerodia floridana*) Among Three Wetlands on the Savannah River Site. *USC Upstate Student Research Journal*, 9, 43- 52.

Teaching Experience

- Teaching Assistant for FOR 510, Herpetology, Spring 2019
- Teaching Assistant for FOR 340, Forest Ecology, Fall 2018
- Teaching Assistant for FOR 435, Conservation Biology, Spring 2018
- Teaching Assistant for FOR 370, Wildlife Biology and Management, Fall 2017

Presentations

- Appalachian Studies Association Conference, March 2020
- Ecological Society of America/United States Society for Ecological Economics, August 2019
- Eastern Kentucky University Summer Research Showcase, June 2019
- Sharing Work on Appalachia in Progress, February 2019
- Southeast Partners in Amphibian and Reptile Conservation Poster, February 2019
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- University of Kentucky Department of Forestry and Natural Resource Sciences Seminar, January 2018
- Kentucky Academy of Sciences Annual Meeting Poster, November 2017
- University of Kentucky Showcase of Undergraduate Research Poster, April 2017
- University of Kentucky Sustainability Forum Poster, November 2016
- University of Kentucky Natural Resources and Environmental Sciences Internship Forum Talk and Poster, October 2016
- Savannah River Ecology Laboratory Student NSF REU Talk, July 2016
- University of South Carolina Summer Research Symposium Poster, July 2016

Awards and Accomplishments

- Appointed Science Advisor and Data Manager for Big Sandy Watershed Watch, 2019
- First Place Ecological Society of America Ecological Restoration Poster Contest, 2019
- Graduate Student Conference Travel Award (\$403.50), 2019
- Forestry and Natural Resource Sciences Graduate Student Award of Excellence, 2019
- Southeast Partners in Amphibian and Reptile Conservation Travel Award (\$30), 2019
- Graduate Student Conference Travel Award (\$273), 2019
- Department of Forestry and Natural Resources Graduate Student Association Social/Volunteer Events Coordinator, 2018
- College of Agriculture, Food, and Environment Graduate Student Success Team, 2018
- Eller and Billings Student Research Award (\$1,000), 2018
- Karri Casner Environmental Sciences Fellowship (\$3,227.68), 2018
- Chicago Herpetological Society Graduate Research Award (\$1,000), 2018
- Southeast Partners in Amphibian and Reptile Conservation Travel Award (\$75), 2018
- Graduate Student Conference Travel Award (\$434), 2017
- Department of Forestry and Natural Resource Sciences Graduate Student Association Graduate Student Congress Representative, 2017
- Graduate Student Representative for Department of Forestry and Natural Resource Sciences Graduate Program Committee, 2017
- Deans List fall 2012, fall 2014, spring 2015, fall 2015, spring 2016, fall 2016, spring 2017
- Best Student Paper Submission, USC Upstate Student Research Journal, 2016
- Selected to participate in National Science Foundation sponsored Radioecology Research Experience for Undergraduates Program at the Savannah River Ecology Laboratory, South Carolina, 2016
- University of Kentucky Undergraduate Research Award (\$2000), 2016
- Southeast Partners in Amphibian and Reptile Conservation Travel Award (\$250), 2016

Extension and Outreach

- Make a Splash Water Festival: Red River Gorge, 2019
- Kentucky Governor's Conference, 2019
- Morehead Elementary Water Education, 2019
- Bowling Green Streamside Field Day, 2019
- Laurel County Cooperative Extension Eco-Edventures Camp, 2019
- Herpetology Table, The Children's Garden, University of Kentucky Arboretum, 2019
- Herpetology Table, Sixth for a Cause, 2018
- Workshop Leader, Expanding Your Horizons, 2018
- Herpetology Visitor Station, Floracliff Nature Sanctuary Open House, 2017
- Critter Tent, Kentucky Wood Exposition, 2015 & 2017

Current Professional Affiliations

- Kentucky Association of Environmental Educators
- Chicago Herpetological Society
- Partners in Amphibian and Reptile Conservation
- Southeast Partners in Amphibian and Reptile Conservation
- Kentucky Chapter of The Wildlife Society

Other Organizations

- Phi Sigma Theta National Honor Society
- National Society for Collegiate Scholars

Certifications

- CPR, AED, and Basic First Aid, October 2019 – November 2021
- Project WET certified, August 2019
- Project Learning Tree certified, August 2019
- Project WILD certified, August 2019
- Associate Wildlife Biologist – The Wildlife Society (Pending application)
- Protecting Children: Identifying and Reporting Sexual Misconduct, February 2018
- U.S. Department of Energy Radiological Worker II Certified, June 2016 – June 2018

Skills and Professional Development

- Grant management and reporting
- 4H Stream Team Leader Program Training
- Volunteer Lake Monitoring Program Training
- Measuring succhi depth
- Project/Contract Management
- Kentucky Interagency Meeting on Environmental Education
- Tailoring Stormwater Management to Oldham County's Streams
- University of Kentucky Graduate Student Organization Leadership Summit
- Elk relocation with Joe McDermott, Elk Biologist, Kentucky Department of Fish and Wildlife Resources
- Walked transects for fawn with Southern Illinois University
- Processed harvested deer with Scott Ferrell, Wildlife Management Area Manager, Kentucky Department of Fish and Wildlife Resources
- Bear den check with John Hast, Bear Program Coordinator, Kentucky Department of Fish and Wildlife Resources
- Crew Leader, Reforest the Bluegrass
- Tree planting leader with Green Forests Work
- University of Kentucky Graduate Student Leadership Conference
- Bird banding workshop with Kate Slankard, Non-Game Avian Biologist, Kentucky Department of Fish and Wildlife Resources
- Freshwater mussel survey with Monte McGregor, Aquatic Biologist, Kentucky Department of Fish and Wildlife Resources
- Sampled for mark-recapture study of northern watersnakes (*Nerodia sipedon*) and queen snakes (*Regina septemvittata*) using Passive Integrated Transponder (PIT) scanners
- Sampled for study evaluating trap effectiveness and gene flow among populations of the mudpuppy (*Necturus maculosus*)
- Sampled for study involving the genetic analysis of endangered freshwater mussels with Wendell Haag, Fisheries Research Biologist, U.S. Forest Service Southern Research Station
- Sampled for study investigating the impacts of forest management techniques on reptile and amphibians species
- Sampled for study evaluating wetland suitability as amphibian habitat
- Sampled for study investigating the range of the streamside salamander (*Ambystoma barbouri*)
- Sampled a variety of snake species for snake fungal disease
- Sampled for metabolic rates using a SABLE flow through respirometer

- Sampled total radiocesium body burden in snakes using a sodium iodide gamma detector
- Sampled mercury concentration of snake tail clips using a Direct Mercury Analyzer (DMA-80)
- Tracking gopher tortoises using radio telemetry
- Ability set minnow, promar, box, and funnel traps
- Identification of larval, metamorphic, and adult amphibians that occur in Kentucky
- Identification of adult and juvenile snakes that occur in Kentucky
- Macroinvertebrate sampling using dip nets and kick nets
- Data management
- Study Design

Webpage

<https://forestry.ca.uky.edu/michaela-lambert>