

## CURRICULUM VITAE

**Jennifer M. Howze**  
Jones Center at Ichauway  
3988 Jones Center Drive, Newton GA 39870  
jennifer.howze@jonesctr.org

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### Education:

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Master of Science in Wildlife Ecology and Management 2007  
Warnell School of Forestry and Natural Resources  
University of Georgia, Athens, GA

Bachelor of Science in Wildlife Ecology and Management 2003  
Warnell School of Forestry and Natural Resources  
University of Georgia, Athens, GA

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### Research Experience:

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#### Jones Research Center at Ichauway

- *Senior Herpetology Research Associate II* (2019-Present)
- *Senior Research Associate I* (2013-2018)
- *Research Associate II* (2010-2013)
- *Research Associate I* (2007-2010)
- *Research Technician* (5/20/2003 – 8/15/2003)

#### University of Georgia (Savannah River Site, Aiken, NC)

- *Research Technician* (1/03/2007 – 2/28/2007)

#### University of Wyoming (Big Horn Canyon, Yellowstone National Park, Grand Tetons National Park, WY)

- *Research Technician* (5/3/2004 – 8/7/2004)

#### University of Georgia (Ashe, NC)

- *Research Technician* (2/3/2004 – 4/25/2004)

#### University of Georgia (Hollywood, SC)

- *Research Technician* (12/1/ 2003 – 1/31/2004)

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## Professional Affiliations:

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- The Gopher Tortoise Council: *Board Member (2012-Present)*
- The Georgia Wildlife Society: *Board Member (2016-Present)*
- Southeastern Partners for Reptile and Amphibian Conservation: *Member*
- The National Wildlife Society: *Member*

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## Referee for Journals:

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- Herpetological Conservation and Biology
- Southeastern Naturalist
- Forest Ecology and Management

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## Research Publications:

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**Howze, J. M.**, and L. L. Smith. 2019. Detection of gopher tortoise burrows before and after a prescribed fire event. *Journal of Fish and Wildlife Management* 10:1-8.

**Howze, J. M.**, K. J. Sash, J. P. Carroll, and L. L. Smith. 2019. A regional scale assessment of habitat selection and home range of the eastern rat snake in pine-dominated forests. *Forest Ecology and Management*: 432: 225-230.

Jensen, J. J., L. L. Smith, **J. M. Howze**, and R. Sulkers. 2019. *Ambystoma tigrinum* (Eastern tiger salamander) and *A. talpoideum* (Mole salamander). Tortoise Burrow Commensalism. *Herpetological Review* 50:334.

Knapp, D. D., **J. M. Howze**, C. M. Murphy, and L. L. Smith. 2018. Prescribed fire affects vertebrate use of gopher tortoise burrows in a longleaf pine forest. *Herpetological Conservation and Biology* 13:551-557.

Murphy, C. M., D. D. Knapp, **J. M. Howze**, M. C. Dziadzio, and L. L. Smith. 2018. An evaluation of the efficacy of box snake trap arrays and a suggested new trap design. *Herpetological Review*: 49:253-257.

Murphy, C. M., **J. M. Howze**, D. D. Knapp, L. L. Smith, and S. K. Hoss. 2018. *Crotalus horridus* (Timber Rattlesnake). Hibernation behavior. *Herpetological Review* 49:127.

**Howze, J. M.**, and L. L. Smith. 2015. Spatial ecology and habitat use of the Eastern coachwhip in a longleaf pine forest. *Southeastern Naturalist* 14:342-350.

- Smith, L. L., M. Hinderliter, R. S. Taylor, and **J. M. Howze**. 2015. Recommendation for a gopher tortoise burrow buffer to avoid collapse from heavy equipment. *Journal of Fish and Wildlife Management* 6(2):456-463.
- Baldvins, T. D, C. M. Oliver, **J. M. Howze**, and L. L. Smith. 2013. *Crotalus horridus* (Timber Rattlesnake). Delayed pregnancy. *Herpetological Review* 44(3):520.
- Steen, D. A., D. J. Stevenson, J. C. Beane, J. D. Willson, M. J. Aresco, J. C. Godwin, S. P. Graham, L. L. Smith, **J. M. Howze**, D. C. Rudolph, J. B. Pierce, J. R. Lee, B. B. Gregory, J. Jensen, S. H. Stiles, J. A. Stiles, N. H. Nazdrowicz, and C. Guyer. 2013. Terrestrial movements of the red-bellied mudsnake (*Farancia abacura*) and rainbow snake (*F. erythrogramma*). *Herpetological Review* 44(2):208-213.
- Howze, J. M.**, and L. L. Smith. 2012. Factors influencing eastern kingsnake diel activity. *Copeia* 2012:460-464.
- Howze, J. M.**, K. M. Stohlgren, E. M. Schlimm, and L. L. Smith. 2012. Dispersal patterns of neonate timber rattlesnakes (*Crotalus horridus*) in the Southeastern Coastal Plain. *Journal of Herpetology* 46:417-422.
- Schlimm, E. M., K. M. Stohlgren, **J. M. Linehan**, and L. L. Smith. 2011. *Crotalus Horridus* (Timber Rattlesnake). Neonate growth. *Herpetological Review* 42:98.
- Linehan, J. M.**, L. L. Smith, and D. A. Steen. 2010. Ecology of the eastern kingsnake (*Lampropeltis getula getula*) in a longleaf pine (*Pinus palustris*) forest in Southwestern Georgia. *Herpetological Conservation and Biology* 5:94-101.
- Steen, D. A., **J. M. Linehan**, and L. L. Smith. 2010. Multiscale habitat selection and refuge use of common kingsnakes, *Lampropeltis getula*, in Southwestern Georgia. *Copeia* 2010:227-231.
- Smith, L. L., **J. M. Linehan**, J. M. Stober, M. J. Elliott, and J. B. Jensen. 2009. An evaluation of distance sampling for large-scale gopher tortoise surveys in Georgia, USA. *Applied Herpetology* 6:355-368.
- Heupel, A. M., K. E. McKean, **J. M. Linehan**, D. A. Steen, and L. L. Smith. 2009. *Ambystoma* sp. habitat use. *Herpetological Review* 40:66.
- Linehan, J. M.**, M. T. Mengak, S. B. Castleberry, and D. A. Miller. 2008. Inventory of the mammalian species of Vicksburg National Military Park. *Occasional Papers, Museum of Texas Tech University* 272: 1-16.

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## Reports and Other Publications:

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- Smith, L. L., and **J. M. Howze**. 2016. Gopher tortoise line transect distance sampling workbook. Joseph W. Jones Ecological Research Center, Newton, Georgia.
- Smith, L. L., J. M. Stober, and **J. M. Linehan**. 2008. Gopher tortoise survey, population evaluation, and habitat suitability. Final Report. Submitted to Georgia DNR Natural Heritage Program, Social Circle, Georgia.
- Linehan, J. M.**, M. T. Mengak, S. B. Castleberry, and D.A. Miller. 2006. Inventory of the mammalian species of Vicksburg National Military Park. Final Report. National Park Service.
- Linehan, J. M.**, K. A. Foote, and M. T. Mengak. 2005. Mammal inventory surprises managers at Vicksburg National Military Park. Natural Resource Year in Review-2005.

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## Oral Presentations:

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- Howze, J. M.**, and L. L. Smith. 2019. The influence of prescribed fire on site selection for snakes in the longleaf pine ecosystem. Gopher Tortoise Council. Gulf Shores, AL.
- Howze, J. M.**, and L. L. Smith. 2018. The influence of prescribed fire on site selection for snakes in the longleaf pine ecosystem. Southeast Partners for Amphibian and Reptile Conservation. Helen, Georgia.
- Howze, J. M.** 2017. Herpetology research at the Jones Ecological Research Center. ABAC Wildlife Society Meeting, Tifton, Georgia.
- Howze, J. M.**, and L. L. Smith. 2017. Detection of gopher tortoise burrows before and after a prescribed fire event. The Gopher Tortoise Council, Palatka, Florida.
- Knapp, D. D., **J. M. Howze**, C. M. Murphy, M. C. Dziadzio, and L. L. Smith. 2017. Prescribed fire affects vertebrate use of gopher tortoise burrows in the longleaf pine ecosystem. The Gopher Tortoise Council, Palatka, Florida.
- Howze, J. M.**, and L. L. Smith. 2016. Habitat selection in the gray rat snake: tradeoffs in management for maintenance of the longleaf pine ecosystem. The National Wildlife Society, Raleigh, North Carolina.
- Howze, J. M.**, and L. L. Smith. 2016. Habitat selection in the gray rat snake: tradeoffs

in management for maintenance of the longleaf pine ecosystem. The Georgia Wildlife Society, Tifton, Georgia.

**Howze, J.M.**, and L. L. Smith. 2016. Habitat selection in the gray rat snake: tradeoffs in management and maintenance of the longleaf pine ecosystem, Tall Timbers Research Station & Land Conservancy, Tallahassee, FL.

**Howze, J. M.**, and L. L. Smith. 2015. Habitat selection in the gray rat snake: tradeoffs in management for maintenance of the longleaf pine ecosystem. The Gopher Tortoise Council, Covington, Louisiana.

**Howze, J. M.**, L. L. Smith, L. M. Conner, and G. Morris. 2014. Snake activity within the longleaf pine forest. The Georgia Wildlife Society, Tifton, Georgia.

**Howze, J. M.**, L. L. Smith, L. M. Conner, and G. Morris. 2014. Snake activity within the longleaf pine forest. American Society of Ichthyologists and Herpetologists, Chattanooga, Tennessee.

**Howze, J. M.**, L. L. Smith, L. M. Conner, and D. A. Steen. 2013. Long term effects of mesopredator exclusion in upland reptiles in the longleaf pine ecosystem: A 10-year update. The Gopher Tortoise Council, Ponte Vedra, Florida.

Smith, L. L., D. A. Steen, and **J. M. Howze**. 2013. The role of fire in structuring and restoring habitat for lizards and snakes in the longleaf pine ecosystem. The Wildlife Society, Milwaukee, Wisconsin.

**Howze, J. M.**, D. A. Steen, and L. L. Smith. 2011. Ecology of the eastern kingsnake in Southwest Georgia. The Wildlife Society, Waikoloa, Hawaii.

**Howze, J. M.**, D. A. Steen, and L. L. Smith. 2011. Dispersal of timber rattlesnakes in the Southeastern Coastal Plain. Gopher Tortoise Council Meeting, Orlando, Florida.

**Howze J. M.** 2011. Venomous snake safety. Jones Ecological Research Center, Newton, Georgia.

Smith, L. L., J. M. Stober, **J. M. Linehan**, M. J. Elliott, and J. B. Jensen. 2010. Line transect distance sampling for gopher tortoises. Sandhills Working Group Meeting. Tallahassee, Florida.

**Linehan J. M.**, D. A. Steen, and L. L. Smith. 2009. Ecology of the eastern kingsnake (*Lampropeltis getula getula*) in a longleaf (*Pinus palustris*) forest in Southwestern Georgia. Gopher Tortoise Council Meeting, Gainesville, Florida.

Smith, L. L., **J. M. Linehan**, J. M. Stober, M. J. Elliott, and J. B. Jensen. 2009. An evaluation of distance sampling for large-scale gopher tortoise surveys in Georgia. Gopher Tortoise Council Meeting, Gainesville, Florida.

**Linehan, J. M.,** M. T. Mengak, S. B. Castleberry, and D. A. Miller. 2006. Mammals of Vicksburg National Military Park-preliminary results. Mississippi Bat Working Group Meeting, Mississippi Museum of Natural Science, Jackson, Mississippi.

**Linehan, J. M.,** M. T. Mengak, S. B. Castleberry, and D. A. Miller. 2006. Mammals of Vicksburg National Military Park-preliminary results. Southeastern Bat Diversity Network and the Colloquium on the Conservation of Mammals in the Southeastern United States, Chattanooga, Tennessee.

**Linehan, J. M.,** M. T. Mengak, S. B. Castleberry, and D. A. Miller. 2005. Vicksburg National Military Park Bat Survey-preliminary results. Mississippi Bat Working Group Summer Mist Net Event, Morton, Mississippi.

**Linehan, J. M.,** A. C. Miles, S. B. Castleberry, L. M. Conner, and D. A. Miller. 2004. Emergence patterns of evening bats from daytime roosting structures. Southeastern Bat Diversity Network and the Colloquium on the Conservation of Mammals in the Southeastern United States, Helen, Georgia.

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### Poster Presentations:

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Yetke, N, C. Anderson, **J.M. Howze,** and L. L. Smith. 2019. The reptiles and amphibians of Ichauway: A spotlight on the imperiled herpetofauna of the longleaf pine ecosystem. The Gopher Tortoise Council, Gulf Shores, AL.

**Howze, J. M.,** and L. L. Smith. 2019. The influence of prescribed fire on site selection for snakes in the longleaf pine ecosystem. Jones Center Scientific Advisory Committee, Newton, Georgia.

**Howze, J. M.,** and L. L. Smith. 2018. The influence of prescribed fire on site selection for snakes in the longleaf pine ecosystem. The Georgia Wildlife Society. Tifton, Georgia.

**J. M. Howze** and L. L. Smith. 2017. Detection of gopher tortoise burrows before and after a prescribed fire event. The Georgia Wildlife Society, Covington, Georgia.

Murphy, C., D. D. Knapp, **J. M. Howze,** M. C. Dziadzio, and L. L. Smith. 2017. An evaluation of the efficacy of box snake trap arrays and a suggested new trap design. The Georgia Wildlife Society, Covington, Georgia.

Murphy, C., D. D. Knapp, **J. M. Howze,** M. C. Dziadzio, and L. L. Smith. 2017. An evaluation of the efficacy of box snake trap arrays and a suggested new trap design. The Gopher Tortoise Council, Palatka, Florida.

Taylor, S., L. L. Smith, and **J. M. Howze.** 2014. Direct effects of heavy equipment use

on gopher tortoise burrows. Longleaf Alliance, Mobile, Alabama.

**Howze, J. M.**, and L. L. Smith. 2013. Habitat and home range selection in the gray rat snake. Georgia Wildlife Society, Athens, Georgia.

**Howze, J. M.**, and L. L. Smith. 2012. Ecology of the eastern coachwhip in a longleaf forest. Wildlife Society, Portland, Oregon.

Free, A., L. L. Smith, **J. M. Howze**, and S. B. Castleberry. 2012. Population evaluations of gopher tortoises (*Gopherus polyphemus*) on public and private lands in Georgia. Gopher Tortoise Workshop, Newton, Georgia.

L. L. Smith and **J. M. Howze**. 2011. Amphibian persistence in isolated wetlands in an agricultural landscape. Ecological Society of America, Austin, Texas.

**Linehan, J. M.**, L. L. Smith, and D. A. Steen. 2010. Ecology of the eastern kingsnake in Southwestern Georgia. Gopher Tortoise Council, Columbiana, Alabama.

**Linehan, J. M.**, J. L. Gonynor, S. C. Sterrett, D. A. Steen, E. Condon, and L. L. Smith. 2010. Compilation of chelonian research conducted at the Joseph W. Jones Ecological Research Center in Southwest Georgia. Gopher Tortoise Council, Columbiana, Alabama.

**Linehan, J. M.**, J. L. Gonynor, S. C. Sterrett, D. A. Steen, E. Condon, and L. L. Smith. 2010. Compilation of chelonian research conducted at the Joseph W. Jones Ecological Research Center in Southwest Georgia. Turtle Survival Alliance, Orlando, Florida.

**Linehan, J. M.**, and L. L. Smith. 2010. Use of a handheld computer and ArcPad software: tools for conducting gopher tortoise LTDS sampling. Turtle Survival Alliance, Orlando, Florida.

**Linehan J. M.**, K. M. Stohlgren, E. M. Schlimm, and L. L. Smith. 2009. Dispersal patterns of neonate timber rattlesnakes (*Crotalus Horridus*) in Southwest Georgia. Southeastern Partners for Amphibian and Reptile Conservation, Ocala, Florida.

**Linehan, J. M.**, K. E. McKean, P. L. Shirk, J. M. Stober, L. L. Smith, and M. Elliott. 2009. Standardized protocol for monitoring gopher tortoise populations. Southeastern Partners for Amphibian and Reptile Conservation, Montreat, North Carolina.

McKean, K. E., **J. M. Linehan**, and L. L. Smith. 2009. Amphibian species richness, abundance, and distribution at two managed seasonal wetlands in Southwest Georgia. Southeastern Partners for Amphibian and Reptile Conservation, Montreat, North Carolina.

**Linehan, J. M.,** M. T. Mengak, S. B. Castleberry, and D. A. Miller. 2006. Mammals of Vicksburg National Military Park. Georgia Chapter of the Wildlife Society, Mansfield, Georgia.

**Linehan, J. M.,** A. C. Miles, S. B. Castleberry, L. M. Conner, D. A. Miller. 2003. Emergence patterns of evening bats from daytime roosting structures. North American Symposium on Bat Research, Lincoln, Nebraska.