

Donald J. Brown

Research Assistant Professor of Wildlife Resources

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I. ACADEMIC BACKGROUND

A. Educational Background

Texas State University-San Marcos — August 2013

Doctor of Philosophy, Aquatic Resources (Major Advisor: M. R. J. Forstner)

Dissertation: Impacts of low, moderate, and high severity fire on herpetofauna and their habitat in a southern USA mixed pine/hardwood forest

Texas State University-San Marcos — December 2008

Master of Science, Wildlife Ecology (Major Advisor: M. R. J. Forstner)

Thesis: Lower Rio Grande Valley freshwater turtle populations: three decades of change

University of Minnesota-Twin Cities — May 2007

Bachelor of Science, Fisheries & Wildlife – Wildlife Specialization

Normandale Community College — May 2005

Associate of Arts

B. University Experience

Research Assistant Professor. Wildlife Resources. School of Natural Resources, Davis College of Agriculture, Natural Resources and Design, West Virginia University / USDA Forest Service, Northern Research Station, Parsons, West Virginia (2015 – Present)

Adjunct Instructor. Nicolet College, Rhinelander, Wisconsin (2014)

Postdoctoral Research Associate. Department of Forest and Wildlife Ecology, University of Wisconsin-Madison / USDA Forest Service, Institute for Applied Ecosystem Studies, Northern Research Station, Rhinelander, Wisconsin (2013 – 2015)

GK – 12 Fellow. National Science Foundation – Project Flowing Waters (Grant No. 0742306). Texas State University-San Marcos (2011 – 2013)

Graduate Research Assistant. Department of Biology, Texas State University-San Marcos
(2008 – 2013)

Graduate Instructional Assistant. Department of Biology, Texas State University-San Marcos
(2007 – 2011)

Undergraduate Research Assistant. Department of Ecology, Evolution and Behavior, University
of Minnesota, St. Paul, Minnesota (2005 – 2006)

II. TEACHING AND MENTORSHIP

A. Courses Taught

West Virginia University (Morgantown, West Virginia)

Class Instructor (Graduate, Traditional) – Multivariate Analysis of Ecological Data (Spring 2018)

Class Instructor (Graduate, Traditional) – Advanced Population Ecology (Spring 2016; Fall 2017)

Class Instructor (Graduate, Hybrid) – Occupancy Modeling (Spring 2016; Fall 2018)

Nicolet College (Rhineland, Wisconsin)

Class Instructor (Undergraduate, Traditional) – Environmental Science (Fall 2014)

Texas State University (San Marcos, Texas)

Lab Instructor (Graduate / Undergraduate) – Wildlife Management (2009 – 2010)

Lab Instructor (Undergraduate) – Genetics (2009)

Lab Instructor (Undergraduate) – Functional Biology (2007 – 2008)

Goodnight Middle School (San Marcos, Texas)

Class Co-instructor (K-12) – Science (2012 – 2013)

San Marcos High School (San Marcos, Texas)

Class Co-instructor (K-12) – Biology (2011 – 2012)

Class Co-instructor (K-12) – Chemistry (2011 – 2012)

B. Mentorship

Graduate Student Thesis/Dissertation Research (advisor / co-advisor)

Lacy Rucker (Ph.D., 2017 – Present). West Virginia University.

Dissertation: Impacts of climate change on growth, survival, and competition of the Cheat
Mountain salamander (*Plethodon nettingi*)

Sara Crayton (M.Sc., 2017 – Present). West Virginia University.

Thesis: Effects of imidacloprid treatment of hemlocks on aquatic ecosystems: is the cure worse than the disease?

Carl Jacobsen (M.Sc., 2017 – Present). West Virginia University.

Thesis: Terrestrial salamander responses to habitat management using prescribed fire on the George Washington National Forest

Lenza Paul (M.Sc., 2016 – Present). West Virginia University.

Thesis: The effects of imidacloprid on salamander communities within hemlock forests in three southern West Virginia National Parks

Alissa Gulette (M.Sc., 2016 – 2018). West Virginia University.

Thesis: Habitat suitability of restored wetlands under the NRCS agricultural easement program for aquatic turtles in West Virginia

Madaline Cochran (M.Sc., 2015 – 2017). University of Minnesota-Duluth.

Thesis: Wood turtles (*Glyptemys insculpta*) in northeastern Minnesota: an analysis of GPS telemetry and a population assessment

Graduate Student Thesis/Dissertation Research (committee member)

Maria Berkeland (M.Sc., 2017 – Present). University of Minnesota-Duluth.

Thesis: Wood turtle (*Glyptemys insculpta*) ecology in northeastern Minnesota

Eric Margenau (Ph.D., 2016 – Present). West Virginia University.

Dissertation: Response of the avian and salamander communities to young forest habitat creation throughout West Virginia

Gretchen Nareff (Ph.D., 2016 – Present). West Virginia University.

Dissertation: Cerulean warbler and associated species response to silvicultural prescriptions in the central Appalachian region

Laura Farwell (Ph.D., 2015 – 2018). West Virginia University.

Dissertation: Songbird response to forest disturbance due to unconventional shale gas development in the Marcellus-Utica region: a multi-scale analysis

Undergraduate Student Research (advisor)

Eliana Henriquez (2018 – Present). West Virginia University.

Project(s): Pesticide impacts on spotted salamander health and survival

Samantha Wilson (2017 – 2018). West Virginia University.

Project(s): Natural cover object selection by terrestrial salamanders

Tyler Plum (2017). West Virginia University.

Project(s): Influence of coverboard size on microclimate and salamander use

Jonathan Strickland (2015 – 2016). West Virginia University.

Project(s): Influence of coverboard size on microclimate and salamander use

Dionne Episcopo (2011). Texas State University-San Marcos.

Project(s): Effects of drought and fire on arthropods

Bei DeVold (2009 – 2010). Texas State University-San Marcos.

Project(s): Red-eared slider hoop net escapes; effects of fire on the red imported fire ant around forest ponds; effects of drought and fire on arthropods

Lauren Eddins (2009). Texas State University-San Marcos

Project(s): Effects of fire on the red imported fire ant around forest ponds

III. SCHOLARLY OUTPUT

A. Software

Brown, D. J., and B. R. Miranda. 2017. LANDIS-II Local Habitat Suitability Output Extension (v1.0). LANDIS-II Foundation, Raleigh, North Carolina, USA.
Software and User Guide – <http://www.landis-ii.org/extensions>

B. Books

Kapfer, J. M., and **D. J. Brown**, editors. In preparation (anticipated completion fall 2018).
Amphibians and reptiles of Wisconsin. University of Wisconsin Press, Madison, USA.

C. Book Chapters

Brown, D. J., and C. A. Ribic. In preparation. The past, present, and potential future landscapes of Wisconsin, with emphasis on amphibian and reptile distributions. Amphibians and reptiles of Wisconsin. University of Wisconsin Press, Madison, USA.

Kapfer, J. M., and **D. J. Brown**. In preparation. Introduction to conservation and management of Wisconsin's amphibians and reptiles. Amphibians and reptiles of Wisconsin. University of Wisconsin Press, Madison, USA.

Brown, D. J. In preparation. Species account. American toad, *Anaxyrus americanus*. Amphibians and reptiles of Wisconsin. University of Wisconsin Press, Madison, USA.

Brown, D. J., and C. N. Lapin. In preparation. Species account. Wood turtle, *Glyptemys insculpta*. Amphibians and reptiles of Wisconsin. University of Wisconsin Press, Madison, USA.

Wild, E. R., and **D. J. Brown**. In preparation. Species account. Four-toed salamander, *Hemidactylium scutatum*. Amphibians and reptiles of Wisconsin. University of Wisconsin Press, Madison, USA.

Donner, D. M., and **D. J. Brown**. In preparation. Species account. Spiny softshell, *Apalone spinifera*. Amphibians and reptiles of Wisconsin. University of Wisconsin Press, Madison, USA.

Donner, D. M., and **D. J. Brown**. In preparation. Species account. Common snapping turtle, *Chelydra serpentina*. Amphibians and reptiles of Wisconsin. University of Wisconsin Press, Madison, USA.

Kapfer, J. M., and **D. J. Brown**. In preparation. Species account. Six-lined racerunner, *Aspidoscelis sexlineata*. Amphibians and reptiles of Wisconsin. University of Wisconsin Press, Madison, USA.

D. Articles (refereed, in print)

⁴⁶Rizzo, A. A., **D. J. Brown**, C. T. Rota, S. A. Welsh, and P. A. Thompson. 2018. Effects of an extreme flood event on federally endangered diamond darter abundances. *American Midland Naturalist* 180:108–118.

⁴⁵Wolcott, D. M., D. M. Donner, **D. J. Brown**, and C. A. Ribic. 2018. Kirtland's warbler winter habitat changes across the Bahamian Archipelago in response to future climate-condition scenarios. *Caribbean Naturalist* 49:1–20.

⁴⁴Margenau, E. L., S. M. Crayton, L. E. Rucker, C. D. Jacobsen, and **D. J. Brown**. 2018. Modified salamander stick to facilitate accurate measurement of small individuals. *Herpetological Review* 49(2):243–246.

⁴³Cochrane, M. M., **D. J. Brown**, M. D. Nelson, R. R. Buech, M. Schrage, D. Ryan, and R. A. Moen. 2018. Status of a *Glyptemys insculpta* (wood turtle) population in northeastern Minnesota. *Herpetological Conservation and Biology* 13(1):273–282.

⁴²Williams, J. M., **D. J. Brown**, and P. B. Wood. 2017. Responses of terrestrial herpetofauna to persistent, novel ecosystems resulting from mountaintop removal mining. *Journal of Fish and Wildlife Management* 8(2):387–400.

- ⁴¹Duarte, A., **D. J. Brown**, and M. R. J. Forstner. 2017. Response of lizards to high-severity wildfires in a southern United States mixed pine/hardwood forest. *Copeia* 105(4):609–617.
- ⁴⁰Rizzo, A. A., **D. J. Brown**, S. A. Welsh, and P. A. Thompson. 2017. Factors influencing detection of the federally endangered Diamond Darter *Crystallaria cincotta*: implications for long-term monitoring strategies. *American Midland Naturalist* 178(1):123–131.
- ³⁹**Brown, D. J.**, M. M. Cochrane, and R. A. Moen. 2017. Survey and analysis design for wood turtle population monitoring. *Journal of Wildlife Management* 81(5):868–877.
- ³⁸**Brown, D. J.**, C. A. Ribic, D. M. Donner, M. D. Nelson, C. I. Bocetti, and C. M. Deloria-Sheffield. 2017. Using a full annual cycle model to evaluate long-term population viability of the conservation-reliant Kirtland’s warbler after successful recovery. *Journal of Applied Ecology* 54(2):439–449.
- ³⁷**Brown, D. J.**, M. D. Nelson, D. J. Rugg, R. R. Buech, and D. M. Donner. 2016. Spatial and temporal habitat use patterns of wood turtles at the western edge of their distribution. *Journal of Herpetology* 50(3):347–356.
- ³⁶Ferrato, J. R., **D. J. Brown**, and A. McKinney. 2016. Assessment of public knowledge and willingness to pay for recovery of an endangered songbird, the golden-cheeked warbler. *Human Dimensions of Wildlife* 21(1):86–94.
- ³⁵Cochrane, M. M., R. A. Moen, and **D. J. Brown**. 2015. *Glyptemys insculpta* (wood turtle). Nest predation. *Herpetological Review* 46(4):618.
- ³⁴Kapfer, J. M., J. M. Lorch, E. R. Wild, **D. J. Brown**, L. Mitchem, N. Rudolph, K. Rutzen, and R. C. Vogt. 2015. Distributional records for amphibians and reptiles from Wisconsin, USA. *Herpetological Review* 46(4):587–590.
- ³³**Brown, D. J.**, M. Schrage, D. Ryan, R. A. Moen, M. D. Nelson, and R. R. Buech. 2015. *Glyptemys insculpta* (Wood Turtle). Longevity in the wild. *Herpetological Review* 46(2):243–244.
- ³²**Brown, D. J.**, T. M. Swannack, and M. R. J. Forstner. 2015. Using calling activity to predict calling activity: a case study with the endangered Houston toad. *North American Journal of Herpetology* 2015(1):12–16.
- ³¹**Brown, D. J.**, J. R. Ferrato, C. J. White, I. Mali, M. R. J. Forstner, and T. R. Simpson. 2015. Short-term changes in summer and winter resident bird communities following a high severity wildfire in a southern USA mixed pine/hardwood forest. *Forest Ecology and Management* 350(2015):13–21.

- ³⁰Duarte, A., **D. J. Brown**, and M. R. J. Forstner. 2014. Documenting extinction in real time: rapid decline of the endangered Houston toad on a primary recovery site. *Journal of Fish and Wildlife Management* 5(2):363–371.
- ²⁹Mali, I., **D. J. Brown**, J. R. Ferrato, and M. R. J. Forstner. 2014. Sampling freshwater turtle populations using hoop nets: testing potential biases. *Wildlife Society Bulletin* 38(3):580–585.
- ²⁸**Brown, D. J.**, A. Duarte, I. Mali, M. C. Jones, and M. R. J. Forstner. 2014. Potential impacts of a high severity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. *Herpetological Conservation and Biology* 9(1):192–205.
- ²⁷**Brown, D. J.**, I. Mali, and M. R. J. Forstner. 2014. Wildfire and postfire restoration action effects on microclimate and seedling pine tree survivorship. *Journal of Fish and Wildlife Management* 5(1):174–182.
- ²⁶**Brown, D. J.**, W. H. Nowlin, E. Ozel, I. Mali, D. Episcopo, M. C. Jones, and M. R. J. Forstner. 2014. Comparison of short term low, moderate, and high severity fire impacts to aquatic and terrestrial habitat components of a southern USA mixed pine forest. *Forest Ecology and Management* 312(2014):179–192.
- ²⁵Vandewege, M. W., T. M. Swannack, K. L. Greuter, **D. J. Brown**, and M. R. J. Forstner. 2013. Breeding site fidelity and terrestrial movement of an endangered amphibian, the Houston toad (*Bufo houstonensis*). *Herpetological Conservation and Biology* 8(2):435–446.
- ²⁴Mali, I., B. E. Dickerson, **D. J. Brown**, J. R. Dixon, and M. R. J. Forstner. 2013. Road density not a major driver of red-eared slider (*Trachemys scripta elegans*) population demographics in the Lower Rio Grande Valley of Texas. *Herpetological Conservation and Biology* 8(1):131–140.
- ²³**Brown, D. J.**, D. B. Preston, E. Ozel, and M. R. J. Forstner. 2013. Wildfire impacts on fire ant captures around forest ponds in the Lost Pines of Texas. *Journal of Fish and Wildlife Management* 4(1):129–133.
- ²²**Brown, D. J.**, T. M. Swannack, and M. R. J. Forstner. 2013. Predictive models for calling and movement activity of the endangered Houston toad. *American Midland Naturalist* 169(2):303–321.
- ²¹Mali, I., **D. J. Brown**, M. C. Jones, and M. R. J. Forstner. 2013. Hoop net escapes and influence of traps containing turtles on Texas spiny softshell (*Apalone spinifera emoryi*) captures. *Herpetological Review* 44(1):40–42.

- ²⁰**Brown, D. J.**, M. C. Jones, J. Bell, and M. R. J. Forstner. 2012. Feral hog damage to endangered Houston toad (*Bufo houstonensis*) habitat in the Lost Pines of Texas. *Texas Journal of Science* 64(2):73–88.
- ¹⁹**Brown, D. J.**, J. R. Dixon, and M. R. J. Forstner. 2012. Visual summary of herpetofaunal diversity in Texas. *Southwestern Naturalist* 57(4):465–467.
- ¹⁸**Brown, D. J.**, A. D. Schultz, J. R. Dixon, B. E. Dickerson, and M. R. J. Forstner. 2012. Decline of red-eared sliders (*Trachemys scripta elegans*) and Texas spiny softshells (*Apalone spinifera emoryi*) in the Lower Rio Grande Valley of Texas. *Chelonian Conservation and Biology* 11(1):138–143.
- ¹⁷Gaertner, J. P., **D. J. Brown**, J. A. Mendoza, M. R. J. Forstner, T. Bonner, and D. Hahn. 2012. Geographic variation in *Batrachochytrium dendrobatidis* occurrence among populations of *Acris crepitans blanchardi* in Texas, USA. *Herpetological Review* 43(2):274–278.
- ¹⁶**Brown, D. J.**, B. DeVold, W. H. Nowlin, and M. R. J. Forstner. 2012. Fire ants in Houston toad habitat: annual activity and responses to canopy cover and fire. *Journal of Fish and Wildlife Management* 3(1):142–149.
- ¹⁵Mali, I., **D. J. Brown**, M. C. Jones, and M. R. J. Forstner. 2012. Switching bait as a method to improve freshwater turtle capture and recapture success with hoop net traps. *Southeastern Naturalist* 11(2):311–318.
- ¹⁴Jones, M. C., **D. J. Brown**, I. Mali, A. McKinney, and M. R. J. Forstner. 2012. Assessment of public knowledge and support for recovery of the endangered Houston toad in Bastrop County, Texas. *Human Dimensions of Wildlife* 17(3):220–224.
- ¹³Vandewege, M. W., **D. J. Brown**, and M. R. J. Forstner. 2012. *Bufo* (= *Anaxyrus*) *houstonensis*. Head-start juvenile dispersal. *Herpetological Review* 43(1):117–118.
- ¹²**Brown, D. J.**, G. M. Street, R. W. Nairn, and M. R. J. Forstner. 2012. A place to call home: amphibian use of created and restored wetlands. *International Journal of Ecology* 2012: Article ID 989872.
- ¹¹**Brown, D. J.**, J. T. Baccus, D. B. Means, and M. R. J. Forstner. 2011. Potential positive effects of fire on juvenile amphibians in a southern USA pine forest. *Journal of Fish and Wildlife Management* 2(2):135–145.
- ¹⁰Duarte, A., **D. J. Brown**, and M. R. J. Forstner. 2011. Estimating abundance of the endangered Houston toad on a primary recovery site. *Journal of Fish and Wildlife Management* 2(2):207–215. *Selected for issue cover photo*

- ⁹**Brown, D. J.**, I. Mali, and M. R. J. Forstner. 2011. No difference in short-term temporal distribution of trapping effort on hoop net capture efficiency for freshwater turtles. *Southeastern Naturalist* 10(2):245–250.
- ⁸**Brown, D. J.**, B. DeVold, and M. R. J. Forstner. 2011. Escapes from hoop nets by red-eared sliders (*Trachemys scripta*). *Southwestern Naturalist* 56(1):124–127.
- ⁷**Brown, D. J.**, V. R. Farallo, J. R. Dixon, J. T. Baccus, T. R. Simpson, and M. R. J. Forstner. 2011. Freshwater turtle conservation in Texas: harvest effects and efficacy of the current management regime. *Journal of Wildlife Management* 75(3):486–494.
- ⁶**Brown, D. J.**, T. M. Swannack, J. R. Dixon, and M. R. J. Forstner. 2011. Herpetofaunal survey of the Griffith League Ranch in the Lost Pines ecoregion of Texas. *Texas Journal of Science* 63(2):101–112.
- ⁵Farallo, V. R., **D. J. Brown**, and M. R. J. Forstner. 2010. An improved funnel trap for drift-fence surveys. *Southwestern Naturalist* 55(3):460–463.
- ⁴Dickerson, B. E., A. D. Schultz, **D. J. Brown**, B. DeVold, M. R. J. Forstner, and J. R. Dixon. 2009. Geographic distribution. *Chelydra serpentina serpentina*. *Herpetological Review* 40(4):448.
- ³**Brown, D. J.**, D. M. Spontak, M. N. Tibbets, A. R. Connolly, and J. T. Baccus. 2009. Enhancing the Farm Bill's conservation potential through land prioritization. *Journal of Wildlife Management* 73(4):620–625.
- ²**Brown, D. J.**, and M. R. J. Forstner. 2009. A safe and efficient technique for handling *Siren spp.* and *Amphiuma spp.* in the field. *Herpetological Review* 40(2):169–170.
- ¹**Brown, D. J.**, M. R. J. Forstner, and J. R. Dixon. 2008. Geographic distribution. *Graptemys pseudogeographica kohni*. *Herpetological Review* 39(4):481.

E. Articles (refereed, accepted / in review)

- Oxenrider, K. J., B. M. Heres, and **D. J. Brown**. In review. *Clemmys guttata* (spotted turtle). Habitat use. *Herpetological Review*.
- Gulette, A. L., J. T. Anderson, and **D. J. Brown**. In review. Influence of hoop-net trap diameter on capture success and size distribution of comparatively large and small freshwater turtles. *Northeastern Naturalist*.

Donner, D. M., D. J. Brown, C. A. Ribic, M. Nelson, and T. Greco. In review. Managing habitat for conservation-reliant species in a changing climate: the case of the endangered Kirtland's warbler. *Forest Ecology and management*.

Margenau, E. L., P. B. Wood, C. A. Weakland, and **D. J. Brown**. In review. Trade-offs relating to grassland and forest mine reclamation approaches in the central Appalachian region and its implications for the songbird community. *Avian Conservation and Ecology*.

F. Articles (outreach)

⁷Ribic, C. A., and **D. J. Brown**. 2015. Kirtland's warbler: setting proactive management guidelines for the next 100 years. *Forest and Wildlife Ecology News* 18(1):1-2.

⁶**Brown, D. J.** 2014. Gotcha! Photos. Red-bellied snake (*Storeria occipitomaculata*). *Wildlife Professional* 8(4):64.

⁵**Brown, D. J.** 2014. Abstract – Potential impacts of a high severity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. *FrogLog* 112.

⁴Gillies, J. March 2014. Wildfire's effect on endangered Houston toad milder than feared (includes interview excerpts for *Wildfire and postfire restoration action effects on microclimate and seedling pine tree survivorship in the Lost Pines ecoregion of Texas*). *Environmental Monitor*. Available: <http://www.fondriest.com/news/wildfires-effect-endangered-houston-toad-milder-feared.htm>.

³Farallo, V. R., **D. J. Brown**, and M. R. J. Forstner. December 2010. Boosting funnel trap success (review of *An improved funnel trap for drift-fence surveys*). *Wildlife Professional* 4(4):74.

²**Brown, D. J.** June 2009. Help for the Houston toad. *Making Tracks: The Wildlife Society Blog*.

¹**Brown, D. J.** September 2008. Thicket activities, observations & studies: freshwater turtles. *Altamira- Frontera Audubon Newsletter*.

H. Agency Reports

²⁴Crayton, S., P. Wood, **D. J. Brown**, and Y-L. Park. 2017. Effects of imidacloprid treatment of hemlocks on aquatic ecosystems: is the cure worse than the disease? U.S. Geological Survey/National Park Service Water Quality Partnership. 2017 progress report. Submitted to the U.S. Geological Survey and National Park Service. 15 pgs.

- ²³Gulette, A., K. Lewis, **D. J. Brown**, C. Rota, and J. T. Anderson. 2016 – 2017. Evaluating wetland functions and ecosystem services in West Virginia wetlands. Quarterly progress reports. Submitted to the Natural Resources Conservation Service, Morgantown, West Virginia.
- ²²**Brown, D. J.**, C. A. Ribic, and D. M. Donner. 2017. Supplementary Analysis – Using a full annual cycle model to evaluate long-term population viability of the conservation-reliant Kirtland’s warbler after successful recovery. Submitted to the U.S. Fish and Wildlife Service, East Lansing, Michigan. 4 pgs.
- ²¹Moen, R. A., M. M. Cochrane, and **D. J. Brown**. 2017. Wood turtle population modeling. Natural Resources Research Institute Technical Report No. NRRI/TR-2017-08, Duluth, Minnesota. 22 pgs.
- ²⁰Cochrane, M. M., **D. J. Brown**, and R. A. Moen. 2017. Wood turtle nest monitoring and mortality surveys. Natural Resources Research Institute Technical Report No. NRRI/TR-2017-06, Duluth, Minnesota. 38 pgs.
- ¹⁹Cochrane, M. M., **D. J. Brown**, and R. A. Moen. 2017. Wood turtle capture and telemetry. Natural Resources Research Institute Technical Report No. NRRI/TR-2017-05, Duluth, Minnesota. 16 pgs.
- ¹⁸Cochrane, M. M., R. A. Moen, and **D. J. Brown**. 2016. Behavioral and demographic responses of wood turtles to habitat management and predation control in northeastern Minnesota, and development of a long-term monitoring program. Submitted to the Minnesota Department of Natural Resources. 33 pgs.
- ¹⁷**Brown, D. J.** 2013. Interim Report. Houston toad HCP consulting: Raine Property. Submitted to Mike Forstner’s Waterlife LLC. 7 pgs.
- ¹⁶**Brown, D. J.**, and M. R. J. Forstner. 2013. Final (Pre-extension) Report. Impacts of low, moderate, and high severity fire on herpetofauna and their habitat in the Lost Pines ecoregion of Texas. Submitted to the U. S. Fish and Wildlife Service and Texas Parks and Wildlife Department. 164 pgs.
- ¹⁵**Brown, D. J.**, and M. R. J. Forstner. 2012. Interim Report. Short-term impacts of the Bastrop County Complex Fire on herpetofauna in the Lost Pines ecoregion of Texas. Submitted to the U. S. Fish and Wildlife Service and Texas Parks and Wildlife Department. 39 pgs.
- ¹⁴Mali, I., **D. J. Brown**, M. Jones, and M. R. J. Forstner. 2011. Final Report. Assessing Texas’ freshwater turtle populations: project status and results from selected studies. Submitted to the Texas Parks and Wildlife Department. 83 pgs.

- ¹³**Brown, D. J.**, and M. R. J. Forstner. 2011. Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (*Bufo houstonensis*) within the Lost Pines ecoregion of Texas: post-wildfire assessment. Submitted to the U. S. Fish and Wildlife Service and Texas Parks and Wildlife Department. 4 pgs.
- ¹²**Brown, D. J.**, and M. R. J. Forstner. 2011. Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (*Bufo houstonensis*) within the Lost Pines ecoregion of Texas. Submitted to the U. S. Fish and Wildlife Service and Texas Parks and Wildlife Department. 27 pgs.
- ¹¹Mali, I., **D. J. Brown**, M. R. J. Forstner, and J. R. Dixon. 2010. Interim Report. Assessing Texas freshwater turtle populations: results from Big Bend National Park. Submitted to the National Park Service. 12 pgs.
- ¹⁰Forstner, M. R. J., **D. J. Brown**, J. Jackson, D. J. Stout, and J. Bell. 2010. Houston toad monitoring: 2010 data and final report for the Griffith League Ranch and Lost Pines Scout Reservation. Submitted to the Capital Area Council, Boy Scouts of America. 12 pgs.
- ⁹**Brown, D. J.**, and M. R. J. Forstner. 2010. Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (*Bufo houstonensis*) within the Lost Pines ecoregion of Texas. Submitted to the U. S. Fish and Wildlife Service and Texas Parks and Wildlife Department. 22 pgs.
- ⁸Mali, I., J. T. Jackson, **D. J. Brown**, J. R. Dixon, and M. R. J. Forstner. 2010. Interim Report. Assessing Texas freshwater turtle populations: project status and results from selected studies. Submitted to the Texas Parks and Wildlife Department. 46 pgs.
- ⁷**Brown, D. J.**, S. G. Tsikalas, and M. A. Fonstad. 2010. A correlative-based habitat suitability model for the boreal toad (*Bufo boreas boreas*). Submitted to the Colorado Division of Wildlife. 25 pgs.
- ⁶Dickerson, B. E., **D. J. Brown**, A. D. Schultz, and M. R. J. Forstner. 2009. Interim Report. Assessing Texas' freshwater turtle populations: part two, road densities and their effect on the red-eared slider in the lower Rio Grande Valley. Submitted to the Texas Parks and Wildlife Department. 21 pgs.
- ⁵Forstner, M. R. J., A. D. Schultz, B. E. Dickerson, **D. J. Brown**, and J. R. Dixon. 2009. Interim Report. Assessing Texas' freshwater turtle populations: part one, project status and results from selected studies. Submitted to the Texas Parks and Wildlife Department. 21 pgs.

- ⁴Schultz, A. D., **D. J. Brown**, B. E. Dickerson, J. R. Dixon, and M. R. J. Forstner. 2009. Interim Report. Short-term variability and long-term changes in south Texas freshwater turtle populations. Submitted to the Texas Parks and Wildlife Department/Fort Worth Zoo. 50 pgs.
- ³**Brown, D. J.**, J. R. Dixon, and M. R. J. Forstner. 2008. Interim Report. The result of three decades of change in the lower Rio Grande Valley on freshwater turtle populations. Submitted to the Texas Parks and Wildlife Department/Fort Worth Zoo. 167 pgs.
- ²Forstner, M. R. J., **D. J. Brown**, B. S. Mirza, Y. Zhang, D. Hahn, F. Weckerly, R. Simpson, J. R. Dixon, J. Koukl, J. Johnson, J. Flanagan, D. Foley, and C. J. Franklin. 2008. Interim Report. Assessing Texas' freshwater turtles. Contract 188771. Submitted to the Texas Parks and Wildlife Department. 6pgs.
- ¹**Brown, D. J.**, M. Eaton, K. Maccaroni, and A. Olivarez. 2007. Prioritizing working and potential working lands for conservation programs in western Minnesota. Submitted to the Minnesota chapter of the Society for Conservation Biology. 32 pgs.

IV. PRESENTATIONS

A. Invited Seminars and Webinars

- ⁴**Brown, D. J.** 2017. Survey and analysis design for wood turtle abundance monitoring programs. Webinar, Lake States Fire Science Consortium.
- ³**Brown, D. J.** 2017. Quantifying sensitivity and enhancing adaptive capacity of amphibians and reptiles in a changing world. Seminar, Northern Research Station, US Forest Service, Morgantown, West Virginia.
- ²**Brown, D. J.** 2015. Understanding and enhancing adaptive capacity of species and communities in dynamic environments. Seminar presentation, School of Natural Resources, West Virginia University, Morgantown, West Virginia.
- ¹**Brown, D. J.** 2015. Understanding and enhancing adaptive capacity of species and communities in dynamic environments. Seminar presentation, School of Forest Resources, University of Arkansas, Monticello, Arkansas.

B. Conferences and Professional Meetings (presenter)

- ⁴³**Brown, D. J.**, M. M. Cochrane, M. Berkeland, and R. A. Moen. 2018. Trend Assessment for a wood turtle population in northeastern Minnesota. The Wildlife Society, 25th annual conference, Cleveland, Ohio (Poster Presentation).

- ⁴²**Brown, D. J.**, P. B. Wood, Y-L. Park, S. Crayton, L. Paul, and A. Millikin. 2018. Assessing potential impacts on salamanders of using pesticides for hemlock preservation. Joint Meeting of Ichthyologists and Herpetologists, Rochester, New York (Oral Presentation).
- ⁴¹**Brown, D. J.** 2018. Assessing potential impacts of using pesticides for hemlock preservation on salamanders. Central Appalachian Forest Management Summit, Nelsonville, Ohio (Poster Presentation).
- ⁴⁰**Brown, D. J.**, M. M. Cochrane, and R. A. Moen. 2017. Standardized design for wood turtle population monitoring in the Upper Midwest, USA. Joint Meeting of Ichthyologists and Herpetologists, Austin, Texas (Oral Presentation).
- ³⁹**Brown, D. J.** 2017. Potential direct and indirect impacts of imidacloprid on salamanders. Hemlock Woolly Adelgid and Imidacloprid Meeting and Workshop, Morgantown, West Virginia (Oral Presentation).
- ³⁸**Brown, D. J.** 2017. Quantifying sensitivity and enhancing adaptive capacity of amphibians and reptiles in a changing world. U.S. Forest Service, Northern Research Station Technology Transfer Meeting, Elkins, West Virginia (Oral Presentation).
- ³⁷**Brown, D. J.** 2017. Research to facilitate conservation of amphibians and reptiles. West Virginia University 150th Anniversary Davis College Event, Morgantown, West Virginia (Invited Oral Presentation).
- ³⁶**Brown, D. J.** 2016. Collaborative research and management of wood turtles in the Upper Midwest. Blanding's Turtle and Wood Turtle Conservation Symposium, Westborough, Massachusetts (Invited Oral Presentation).
- ³⁵**Brown, D. J.** 2016. A survey and analysis design for wood turtle abundance monitoring programs in the Upper Midwest. Blanding's Turtle and Wood Turtle Conservation Symposium, Westborough, Massachusetts (Invited Oral Presentation).
- ³⁴**Brown, D. J.**, M. M. Cochrane, and R. A. Moen. 2016. A survey and analysis design for wood turtle abundance monitoring programs in the Upper Midwest. The Wildlife Society, 23rd annual conference, Raleigh, North Carolina (Poster Presentation).
- ³³**Brown, D. J.**, M. M. Cochrane, M. D. Nelson, R. R. Buech, and R. A. Moen. 2016. Snapshot comparison of wood turtle population size and structure between 1990 and 2015 in Minnesota and research to assist with development of a long-term abundance monitoring protocol. Midwest Fish and Wildlife Conference, 76th annual meeting, Grand Rapids, Michigan (Invited Oral Presentation).

- ³²Donner, D., P. Marquardt, and **D. J. Brown**. 2016. Landscape genetics and wood turtles. Midwest Fish and Wildlife Conference, 76th annual meeting, Grand Rapids, Michigan (Invited Oral Presentation).
- ³¹**Brown, D. J.**, C. A. Ribic, D. M. Donner, M. D. Nelson, C. I. Bocetti, and C. M. Deloria-Sheffield. 2016. A population dynamics simulation model for Kirtland's warbler. U.S. Fish and Wildlife Service and Environmental Protection Agency, collaborative research meeting, East Lansing, Michigan (Webinar Presentation).
- ³⁰**Brown, D. J.**, C. A. Ribic, D. M. Donner, M. D. Nelson, C. I. Bocetti, and C. M. Deloria-Sheffield. 2015. Proactive management of the Kirtland's warbler under changing environmental and management conditions. U.S. Fish and Wildlife Service, East Lansing, Michigan (Webinar Presentation).
- ²⁹**Brown, D. J.**, T. M. Swannack, and M. R. J. Forstner. 2015. Improving amphibian call survey monitoring using predictor ponds. Wisconsin Lakes Partnership, annual convention, Stevens Point, Wisconsin (Poster Presentation).
- ²⁸**Brown, D. J.**, C. A. Ribic, D. M. Donner, M. D. Nelson, C. I. Bocetti, and C. M. Deloria-Sheffield. 2015. Population viability analyses to evaluate post-delisting management of the Kirtland's warbler. Kirtland's Warbler Recovery Team annual meeting, Kalamazoo, Michigan (Remote Oral Presentation).
- ²⁷**Brown, D. J.**, C. A. Ribic, D. M. Donner, M. D. Nelson, C. I. Bocetti, and C. M. Deloria-Sheffield. 2015. Population viability analyses to evaluate post-delisting management of the Kirtland's warbler. Minnesota and Wisconsin chapters of The Wildlife Society, joint annual meeting. Duluth, Minnesota (Oral Presentation).
- ²⁶**Brown, D. J.**, C. A. Ribic, D. M. Donner, M. D. Nelson, C. I. Bocetti, and C. M. Deloria-Sheffield. 2015. Population viability analyses to evaluate post-delisting management of the Kirtland's warbler. Midwest Fish and Wildlife Conference, 75th annual meeting, Indianapolis, Indiana (Oral Presentation).
- ²⁵Lapin, C. N., **D. J. Brown**, and R. A. Moen. 2014. Wood turtle research to inform management in the upper Midwest. Science in the Northwoods, 3rd conference, Boulder Junction, Wisconsin (Oral Presentation; co-presented with C. N. Lapin).
- ²⁴**Brown, D. J.**, C. A. Ribic, and D. M. Donner. 2014. Impacts of climate change on the endangered migratory songbird Kirtland's warbler and jack pine species viability in Michigan and Wisconsin. Science in the Northwoods, 3rd conference, Boulder Junction, Wisconsin (Oral Presentation).

- ²³**Brown, D. J.**, C. A. Ribic, and D. M. Donner. 2014. Range-wide assessment of the impacts of changing climate on the endangered, migratory, Kirtland's warbler. Kirtland's Warbler Recovery Team annual meeting, Paradise, Michigan (Oral Presentation).
- ²²**Brown, D. J.**, C. A. Ribic, and D. M. Donner. 2014. Modeling temporal and spatial Kirtland's warbler population dynamics. Kirtland's Warbler Recovery Team annual meeting, Paradise, Michigan (Oral Presentation).
- ²¹**Brown, D. J.**, M. D. Nelson, D. J. Rugg, R. R. Buech, and D. M. Donner. 2014. Wood turtle habitat use at the western edge of its distribution. Midwest Fish and Wildlife Conference, 74th annual meeting, Kansas City, Missouri (Oral Presentation).
- ²⁰**Brown, D. J.**, C. A. Ribic, and D. M. Donner. 2013. Range-wide assessment of the impacts of changing climate on the endangered, migratory, Kirtland's warbler. Institute for Applied Ecosystem Studies, USDA Forest Service, Northern Research Station, Forest Health Protection Collaborative Meeting, Rhinelander, Wisconsin (Oral Presentation).
- ¹⁹**Brown, D. J.**, I. Mali, B. Tobin, R. Luna, S. Baker, S. Clevinger, A. Nelson, K. Olinger, D. Aroujo, and P. Caccavale. 2013. NSF Project Flowing Waters: USFWS San Marcos fish hatchery field trip. Texas State University-San Marcos, River's End meeting, San Marcos, Texas (Poster Presentation).
- ¹⁸**Brown, D. J.**, T. M. Swannack, and M. R. J. Forstner. 2013. Predictive models for calling and movement activity of the endangered Houston toad (*Bufo houstonensis*). Texas State University-San Marcos, Department of Biology Colloquium, 18th annual meeting, San Marcos, Texas (Poster Presentation).
- ¹⁷**Brown, D. J.**, and M. R. J. Forstner. 2013. Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. Texas Academy of Science, 116th annual meeting, Kerrville, Texas (Oral Presentation).
- ¹⁶**Brown, D. J.**, and M. R. J. Forstner. 2013. Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. Texas Chapter of The Wildlife Society, annual meeting, Houston, Texas (Oral Presentation).
- ¹⁵**Brown, D. J.**, B. Tobin, and B. Schima. 2012. NSF Project Flowing Waters: engaging students through outdoor learning. Texas State University-San Marcos, River's End meeting, San Marcos, Texas (Poster Presentation).
- ¹⁴**Brown, D. J.**, A. Duarte, I. Mali, M. C. Jones, and M. R. J. Forstner. 2012. Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. Texas State University-San Marcos, 4th annual International Research Conference, San Marcos, Texas (Oral Presentation).

- ¹³**Brown, D. J.**, A. Duarte, I. Mali, M. C. Jones, and M. R. J. Forstner. 2012. Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. Texas Herpetological Society, fall symposium, Fort Worth, Texas (Oral Presentation).
- ¹²**Brown, D. J.**, T. M. Swannack, and M. R. J. Forstner. 2012. A race against extinction: research to inform recovery efforts for the critically endangered Houston toad. World Congress of Herpetology, 7th meeting, Vancouver, Canada (Oral Presentation).
- ¹¹**Brown, D. J.**, T. M. Swannack, and M. R. J. Forstner. 2011. Predictive models for calling and movement activity of the endangered Houston toad (*Bufo houstonensis*). Texas Herpetological Society, fall symposium, Austin, Texas (Oral Presentation).
- ¹⁰**Brown, D. J.**, J. T. Baccus, D. B. Means, and M. R. J. Forstner. 2011. Short-term effects of fire on juvenile amphibians in a southern USA pine forest. Ecological Society of America, 96th annual meeting, Austin, Texas (Oral Presentation).
- ⁹**Brown, D. J.**, J. T. Baccus, D. B. Means, and M. R. J. Forstner. 2011. Short-term effects of fire on juvenile amphibians in a southern USA pine forest. Texas State University-San Marcos, Department of Biology Colloquium, 16th annual meeting, San Marcos, Texas (Oral Presentation).
- ⁸**Brown, D. J.**, J. T. Baccus, D. B. Means, and M. R. J. Forstner. 2011. Short-term effects of fire on juvenile amphibians in a southern USA pine forest. Texas Academy of Science, 114th annual meeting, Austin, Texas (Oral Presentation).
- ⁷**Brown, D. J.**, T. M. Swannack, and M. R. J. Forstner. 2011. Influence of Weather on Capture Variability and Population Trend Comparisons for Amphibians in the Lost Pines Ecoregion of Texas. Texas Chapter of The Wildlife Society, annual meeting, San Antonio, Texas (Oral Presentation).
- ⁶**Brown, D. J.**, I. Mali, and M. R. J. Forstner. 2010. No difference in short-term temporal distribution of trapping effort on hoop net capture efficiency for freshwater turtles. Texas State University-San Marcos, 2nd annual International Research Conference, San Marcos, Texas (Oral Presentation).
- ⁵**Brown, D. J.**, V. R. Farallo, J. R. Dixon, J. T. Baccus, T. R. Simpson, and M. R. J. Forstner. 2010. Freshwater turtle conservation in Texas: harvest effects and efficacy of the current management regime. Southwestern Association of Naturalists, 57th annual meeting, Junction, Texas (Oral Presentation).

- ⁴**Brown, D. J.**, B. DeVold, and M. R. J. Forstner. 2010. Red-eared slider (*Trachemys scripta elegans*) hoop net escapes: size versus sex. Texas State University-San Marcos, Department of Biology Colloquium, 15th annual meeting, San Marcos, Texas (Oral Presentation).
- ³**Brown, D. J.**, B. DeVold, and M. R. J. Forstner. 2010. Red-eared slider (*Trachemys scripta elegans*) hoop net escapes: size versus sex. Texas Academy of Science, 113th annual meeting, Stephenville, Texas (Oral Presentation).
- ²**Brown, D. J.**, V. R. Farallo, J. R. Dixon, J. T. Baccus, T. R. Simpson, and M. R. J. Forstner. 2009. Freshwater turtle conservation in Texas: lingering harvest effects and efficacy of the current management regime. Texas State University-San Marcos, 1st annual International Research Conference, San Marcos, Texas (Oral Presentation).
- ¹**Brown, D. J.**, D. M. Spontak, M. N. Tibbets, A. R. Connolly, and J. T. Baccus. 2008. Enhancing the Farm Bill's conservation potential through land prioritization. Texas State University-San Marcos, Department of Biology Colloquium, 14th annual meeting, San Marcos, Texas (Oral Presentation).

C. Conferences and Professional Meetings (co-author)

***Presenter in bold**

- ⁵⁹Brown, D. J., **K. J. Oxenrider**, and B. M. Heres. 2018. Assessing bait preference in spotted turtles (*Clemmys guttata*). Northeast Partners in Amphibian and Reptile Conservation, Amherst, Massachusetts (Poster Presentation).
- ⁵⁸**Rucker, L. E.**, T. K. Pauley, W. B. Sutton, and D. J. Brown. 2018. Occupancy dynamics of two terrestrial salamanders over 30 years in relation to habitat degradation and a short elevation gradient. Joint Meeting of Ichthyologists and Herpetologists, Rochester, New York (Oral Presentation).
- ⁵⁷**Jacobsen, C. D.**, W. D. Flint, and D. J. Brown. 2018. Projected current and future habitat for the cow knob salamander (*Plethodon punctatus*). Joint Meeting of Ichthyologists and Herpetologists, Rochester, New York (Oral Presentation).
- ⁵⁶**Wilson, S.**, L. Paul, and D. J. Brown. 2018. Cover object preference of terrestrial salamanders. West Virginia University Undergraduate Spring Symposium, Morgantown, West Virginia (Poster Presentation).
- ⁵⁵**Crayton, S.**, P. Wood, D. J. Brown, and Y-L. Park. 2018. Effects of imidacloprid treatment on aquatic ecosystems. West Virginia Chapter of The Wildlife Society, Morgantown, West Virginia (Poster Presentation).

- ⁵⁴**Jacobsen, C. D.**, W. D. Flint, and D. J. Brown. 2018. Projected current and future habitat for the cow knob salamander (*Plethodon punctatus*). West Virginia Chapter of The Wildlife Society, Morgantown, West Virginia (Oral Presentation).
- ⁵³**Anderson, J. T.**, A. Gulette, K. Lewis, D. J. Brown, and C. T. Rota. 2018. Function of agricultural conservation easement wetlands in West Virginia. Northeast Agricultural and Biological Engineering Conference, Morgantown, West Virginia (Oral Presentation).
- ⁵²**Gulette, A. L.**, J. T. Anderson, J. Hatton, and D. J. Brown. 2018. Habitat suitability of restored wetlands for freshwater turtles in West Virginia. Northeast Fish & Wildlife Conference, 74th annual meeting, Burlington, Vermont (Oral Presentation).
- ⁵¹**Crayton, S.**, P. Wood, D. J. Brown, and Y-L. Park. 2018. Effects of imidacloprid treatment on aquatic ecosystems. Annual Meeting, Southeast Partners in Amphibian and Reptile Conservation, Helen, Georgia (Poster Presentation).
- ⁵⁰**Gulette, A. L.**, J. T. Anderson, J. Hatton, and D. J. Brown. 2018. Habitat suitability of restored wetlands for turtles in West Virginia. Spring Conference, Institute of Water Security and Science, Morgantown, West Virginia (Poster Presentation).
- ⁴⁹**Crayton, S.**, P. Wood, D. J. Brown, and Y-L. Park. 2018. Effects of imidacloprid treatment on aquatic ecosystems. Spring Conference, Institute of Water Security and Science, Morgantown, West Virginia (Poster Presentation).
- ⁴⁸**Rucker, L. E.**, D. J. Brown, and T. K. Pauley. 2018. Impacts of climate change on growth, survival, and competition of terrestrial salamanders in central Appalachia. Annual Meeting, Southeast Partners in Amphibian and Reptile Conservation, Helen, Georgia (Poster Presentation).
- ⁴⁷**Jacobsen, C. D.**, W. D. Flint, and D. J. Brown. 2018. Habitat suitability model for the cow knob salamander (*Plethodon punctatus*) based on maximum likelihood estimation. Annual Meeting, Southeast Partners in Amphibian and Reptile Conservation, Helen, Georgia (Oral Presentation).
- ⁴⁶**Cochrane, M. M.**, D. J. Brown, and R. A. Moen. 2018. GPS technology for freshwater turtle research. Minnesota Chapter of The Wildlife Society, St. Cloud, Minnesota (Poster Presentation).
- ⁴⁵**Berkeland, M. S.**, M. M. Cochrane, D. J. Brown, and R. A. Moen. 2018. Occurrence of mesopredators at wood turtle nesting scrapes in northeastern Minnesota. Minnesota Chapter of The Wildlife Society, St. Cloud, Minnesota (Poster Presentation).

- ⁴⁴**Donner, D. M.**, C. A. Ribic, D. J. Brown, D. Wolcott, C. Bocetti, T. Greco, and M. Nelson. 2018. Managing breeding and wintering habitat for the conservation of the endangered Kirtland's warbler in a changing climate. Midwest Fish and Wildlife Conference, 78th annual meeting, Milwaukee, Wisconsin (Oral Presentation).
- ⁴³**Ribic, C. A.**, D. Donner, D. J. Brown, and C. Bocetti. 2017. Viability of Kirtland's warbler under changing management conditions. Joint Meeting of the American Ornithological Society and the Society of Canadian Ornithologists, Kirtland's Warbler Symposium, East Lansing Michigan (Oral Presentation).
- ⁴²**Donner, D. M.**, C. A. Ribic, D. J. Brown, D. M. Wolcott, C. Bocetti, T. Greco, and M. Nelson. 2017. Kirtland's warbler summer and winter habitat changes in response to future climate condition scenarios. Joint Meeting of the American Ornithological Society and the Society of Canadian Ornithologists, Kirtland's Warbler Symposium, East Lansing Michigan (Oral Presentation).
- ⁴¹**Jacobsen, C. D.**, and D. J. Brown. 2017. Terrestrial salamander responses to prescribed burns and wildfires in the George Washington National Forest. U.S. Forest Service, Northern Research Station Technology Transfer Meeting, Elkins, West Virginia (Oral Presentation).
- ⁴⁰**Rucker, L. E.**, and D. J. Brown. 2017. Climate change impacts on survival, growth, and competition of woodland salamanders in the Monongahela National Forest. U.S. Forest Service, Northern Research Station Technology Transfer Meeting, Elkins, West Virginia (Oral Presentation).
- ³⁹**Cochrane, M. M.**, D. J. Brown, and R. A. Moen. 2017. A screening methodology for wood turtle (*Glyptemys insculpta*) GPS telemetry. University of Florida, 40th Annual Herpetology Conference, Gainesville, Florida (Poster Presentation).
- ³⁸**Gulette, A.**, D. J. Brown, J. T. Anderson, and J. Hatton. 2017. Habitat suitability of restored wetlands for aquatic turtles in West Virginia. West Virginia Chapter of The Wildlife Society, Morgantown, West Virginia (Poster Presentation).
- ³⁷**Jacobsen, C. D.**, T. M. Schuler, and D. J. Brown. 2017. Terrestrial salamander responses to prescribed burns and wildfires in the central Appalachians. West Virginia Chapter of The Wildlife Society, Morgantown, West Virginia (Poster Presentation).
- ³⁶**Jacobsen, C. D.**, T. M. Schuler, and D. J. Brown. 2017. Terrestrial salamander responses to prescribed burns and wildfires in the central Appalachians. Annual Meeting, Southeast Partners in Amphibian and Reptile Conservation, Little Rock, Arkansas (Poster Presentation).

- ³⁵**Cochrane, M. M.**, D. J. Brown, and R. A. Moen. 2016. Wood turtle research in northern MN. Upper Midwest turtle conservation workshop, Siren, Wisconsin (Invited Oral Presentation).
- ³⁴**Donner, D.**, P. Marquardt, and D. J. Brown. 2016. Landscape genetics and wood turtles. Upper Midwest turtle conservation workshop, Siren, Wisconsin (Invited Oral Presentation).
- ³³**Rizzo, A.**, S. Welsh, D. J. Brown, and P. Thompson. 2016. Development of techniques for assessment of population characteristics of the diamond darter. 2016 Coordinating Committee Meeting, USGS West Virginia Cooperative Fish and Wildlife Unit, Morgantown, West Virginia (Oral Presentation).
- ³²**Forstner, M. R. J.**, S. McCracken, D. J. Brown, A. Duarte, T. Swannack, D. McHenry, M. Marsh, A. MacLaren, M. Vandewege, M. Jones, A. Villamizar, and D. Hahn. 2016. Progress toward recovery: the Houston toad and its habitat in 2016. Bastrop County LPHCP Stakeholders Group, Alum Creek WMA, Bastrop, Texas (Oral Presentation).
- ³¹**Margenau, E. L.**, P. B. Wood, C. A. Weakland, and D. J. Brown. 2016. Avian community shift in a reclaimed mine landscape in southern West Virginia. North American Ornithological Conference, Washington, D.C. (Oral Presentation).
- ³⁰**Ribic, C. A.**, D. J. Brown, D. M. Donner, C. I. Bocetti, and C. M. Deloria-Sheffield. 2016. Proactive management of the Kirtland's warbler under changing environmental and management conditions. North American Ornithological Conference, Washington, D.C. (Oral Presentation).
- ²⁹**Cochrane, M. M.**, D. J. Brown, and R. A. Moen. 2016. Movement patterns of a wood turtle population in Minnesota. Midwest Fish and Wildlife Conference, 76th annual meeting, Grand Rapids, Michigan (Invited Oral Presentation).
- ²⁸**Goebel, K.**, M. M. Cochrane, D. J. Brown, and R. A. Moen. 2016. Food availability for wood turtles (*Glyptemys insculpta*) in managed and natural woodlands. Minnesota Chapter of The Wildlife Society, Mankato, Minnesota (Poster Presentation).
- ²⁷**Ferrato, J.**, D. J. Brown, and A. McKinney. 2016. Assessment of public knowledge and willingness to pay for recovery of an endangered songbird, the golden-cheeked warbler. Golden-cheeked Warbler and Black-capped Vireo Symposium, Austin, Texas (Poster Presentation).
- ²⁶**Forstner, M. R. J.**, S. McCracken, D. J. Brown, A. Duarte, T. Swannack, D. McHenry, M. Marsh, A. MacLaren, M. Vandewege, M. Jones, A. Villamizar, and D. Hahn. 2016. Lessons from another endangered native Texan: paradigms lost and found in the Houston toad (*Bufo houstonensis*). EuryceAlliance meeting, Austin, Texas (Oral Presentation).

- ²⁵Brown, D. J., C. A. Ribic, D. M. Donner, and **C. I. Bocetti**. 2015. Proactive management of the Kirtland's warbler under changing environmental and management conditions. The Wildlife Society, 22nd annual conference, Winnipeg, Canada (Oral Presentation).
- ²⁴**Forstner, M. R. J.**, M. Marsh, A. MacLaren, I. Mali, M. Jones, D. Wallace, J. Hernandez, and D. J. Brown. 2015. Field research 2015: Houston toads in active stewardship. Houston Toad Headstarting 2016 Planning Meeting, Houston Zoo, Houston, Texas (Oral Presentation).
- ²³**Miranda, B. R.**, B. R. Sturtevant, S. I. Stewart, R. B. Hammer, E. J. Gustafson, D. J. Mladenoff, D. J. Brown, D. M. Donner, and C. A. Ribic. 2015. Balancing conservation with public safety: landscape planning for fire-dependent communities. Applications in Forest Landscape Ecology: Evolution, Progress, and Challenges Symposium. 9th International Association of Landscape Ecology World Congress, Portland, Oregon (Invited Oral Presentation).
- ²²**Forstner, M. R. J.**, M. Jones, I. Mali, D. Wallace, J. Hernandez, A. MacLaren, and D. J. Brown. 2015. Status of the Houston toad in 2015: directed recovery or imminent extinction? Bastrop County Lost Pines Habitat Conservation Plan Stakeholder Group. Alum Creek Wildlife Management Area, fall meeting, Bastrop, Texas (Invited Oral Presentation).
- ²¹**Mali, I.**, D. J. Brown, J. R. Ferrato, and M. R. J. Forstner. 2014. Sampling freshwater turtle populations using hoop nets: testing potential biases. Texas Herpetological Society, fall symposium, San Marcos, Texas (Poster Presentation).
- ²⁰**Marquardt, P.**, D. Donner, L. Berkman, and D. J. Brown. 2014. Landscape genetics of animal and plant populations. Science in the Northwoods, 3rd conference, Boulder Junction, Wisconsin (Oral Presentation).
- ¹⁹**Mali, I.**, D. J. Brown, J. R. Ferrato, and M. R. J. Forstner. 2014. Sampling freshwater turtle populations using hoop nets: testing potential biases. The Wildlife Society, 21st annual conference, Pittsburgh, Pennsylvania (Poster Presentation).
- ¹⁸**Forstner, M. R. J.**, D. J. Brown, T. M. Swannack, M. C. Jones, and J. R. Dixon. 2013. The Houston toad (*Bufo houstonensis*): paths to extinction or recovery. Texas Herpetological Society, fall symposium, San Marcos, Texas (Oral Presentation).
- ¹⁷**Tobin, B.**, D. J. Brown, S. Baker, and A. Nelson. 2013. NSF GK-12 Project Flowing Waters: highlights from 7th grade, Goodnight Middle School. Texas State University-San Marcos, River's End meeting, San Marcos, Texas (Poster Presentation).
- ¹⁶**Mali, I.**, D. J. Brown, B. Tobin, S. Baker, S. Clevinger, A. Nelson, and K. Olinger. 2013. NSF Project Flowing Waters: Goodnight pond area bioblitz. Texas State University-San Marcos, River's End meeting, San Marcos, Texas (Poster Presentation).

- ¹⁵**Mali, I.**, D. J. Brown, M. C. Jones, and M. R. J. Forstner. 2013. Trapping turtles using hoop-nets: testing assumptions and potential biases. Texas State University-San Marcos, Department of Biology Colloquium, 18th annual meeting, San Marcos, Texas (Oral Presentation).
- ¹⁴**Mali, I.**, D. J. Brown, M. C. Jones, and M. R. J. Forstner. 2013. Trapping turtles using hoop-nets: testing assumptions and potential biases. Texas Academy of Science, 116th annual meeting, Kerrville, Texas (Oral Presentation).
- ¹³**Forstner, M. R. J.**, D. J. Brown, and M. C. Jones. 2013. The drought, the fire, what can we say now about the Houston toad? Alum Creek Wildlife Management Area, winter meeting, Bastrop, Texas (Oral Presentation).
- ¹²**Ozel, E.**, D. J. Brown, D. B. Preston, and M. R. J. Forstner. 2012. How do fire ants (*Solenopsis invicta*) respond to the changes brought on by last year's wildfires in the Lost Pines region of Texas. Texas State University-San Marcos, 4th annual International Research Conference, San Marcos, Texas (Oral Presentation).
- ¹¹**Ozel, E.**, D. J. Brown, D. B. Preston, and M. R. J. Forstner. 2012. The effect of canopy cover, prescribed fire, temperature and precipitation on annual RIFA activity in the Lost Pines ecoregion of Texas. Texas Herpetological Society, fall symposium, Fort Worth, Texas (Oral Presentation).
- ¹⁰**Duarte, A.**, D. J. Brown, and M. R. J. Forstner. 2012. Estimating abundance of the Houston toad on a primary recovery site. Texas Chapter of The Wildlife Society, annual meeting, Fort Worth, Texas (Oral Presentation).
- ⁹**Duarte, A.**, D. J. Brown, and M. R. J. Forstner. 2011. Estimating abundance of the Houston toad on a primary recovery site. Texas State University-San Marcos, 3rd annual International Research Conference, San Marcos, Texas (Oral Presentation).
- ⁸**Duarte, A.**, D. J. Brown, and M. R. J. Forstner. 2011. Estimating abundance of the Houston toad on a primary recovery site. Texas Herpetological Society, fall symposium, Austin, Texas (Oral Presentation).
- ⁷**Mali, I.**, D. J. Brown, M. C. Jones, and M. R. J. Forstner. 2011. Trapping turtles using hoop-nets: testing assumptions and potential biases. Texas Herpetological Society, fall symposium, Austin, Texas (Oral Presentation).
- ⁶**Jones, M. C.**, D. J. Brown, I. Mali, and M. R. J. Forstner. 2011. Assessment of public knowledge and support for recovery of the endangered Houston toad (*Bufo houstonensis*) in Bastrop, Texas. Texas Herpetological Society, fall symposium, Austin, Texas (Oral Presentation).

⁵**Mali, I.**, M. R. J. Forstner, and D. J. Brown. 2011. Conservation and sustainable use of turtle populations worldwide: past, present, and future strategies. Ecological Society of America, 96th annual meeting, Austin, Texas (Oral Presentation).

⁴**Mali, I.**, D. J. Brown, and M. R. J. Forstner. 2011. Towards sustainable worldwide utilization of chelonians. Texas State University-San Marcos, Department of Biology Colloquium, 16th annual meeting, San Marcos, Texas (Oral Presentation).

³**Mali, I.**, M. R. J. Forstner, and D. J. Brown. 2011. Towards sustainable worldwide utilization of chelonians. International Conference on Environmental, Cultural, Economic and Social Sustainability, 8th meeting, Hamilton, New Zealand (Remote Oral Presentation).

²**Forstner, M. R. J.**, D. J. Brown, and D. McHenry. 2011. Active stewardship: Houston toads now and then. Bastrop County LPHCP stakeholders group. Alum Creek WMA meeting, Bastrop, Texas (Oral Presentation).

¹**Forstner, M. R. J.**, D. J. Brown, J. Jackson, A. Schultz, B. Dickerson, D. McHenry, and J. R. Dixon. 2010. Texas' turtles: the good, the bad, and the ugly. Joint meeting of the Texas Herpetological Society and the Dallas-Fort Worth Herpetological Society, Fort Worth, Texas (Oral Presentation).

V. PROFESSIONAL SERVICE

A. Book Reviewer

Brown, D. J. 2016. Amphibian survey and monitoring handbook. *Journal of Wildlife Management* 80(6):1131–1132.

B. External Manuscript Reviewer (# reviews)

2018: *Copeia* (1), *Northeastern Naturalist* (1), *PeerJ* (2), *Wilson Journal of Ornithology* (1)

2017: *Biological Conservation* (2), *Ecology and Evolution* (1), *Ethology* (1), *Herpetological Conservation and Biology* (2), *Journal of Animal Ecology* (1), *Journal of Herpetology* (2), *Landscape Ecology* (1), *Northeastern Naturalist* (1)

2016: *Biological Conservation* (1), *Chelonian Conservation and Biology* (1), *Diversity and Distributions* (1), *Ecosphere* (1), *Ethology* (1), *Journal of the Arkansas Academy of Science* (1), *Southwestern Naturalist* (1)

2015: *European Journal of Wildlife Research* (1), *Journal of Herpetology* (2), *Journal of Wildlife Management* (1), *Urban Ecosystems* (1)

2014: Canadian Field-Naturalist (1), Chelonian Conservation and Biology (1), European Journal of Wildlife Research (1), Journal for Nature Conservation (1), Journal of Wildlife Management (1), Landscape Ecology (1), Wildlife Society Bulletin (2)

2013: International Journal of Biodiversity (1), Landscape Ecology (1), Oryx (1), Wildlife Society Bulletin (1)

2012: African Journal of Agricultural Research (1), Human Dimensions of Wildlife (2)

2011: African Journal of Agricultural Research (1), Herpetological Review (1), Journal of Fish and Wildlife Management (1), Southwestern Naturalist (1)

C. Internal/Friendly Manuscript Reviewer (# reviews)

2017: West Virginia University (1)

2016: Eastern New Mexico University (1)

2014: State University of New York (1)

2013: Texas State University (1)

D. Current Professional Memberships

West Virginia Academy of Science (2016 – Present)

The Wildlife Society, West Virginia Chapter (2016 – Present)

Society for the Study of Amphibians and Reptiles (2009 – Present)

The Wildlife Society, Parent Chapter (2008 – Present)

VII. PROFESSIONAL DEVELOPMENT

A. Certifications and Training

Certified Instructor of Natural Science, Wisconsin Technical College System (2014 – 2017)

Certified in First Aid, CPR, and AED. American Heart Association (2014)

Completed Collaborative Institutional Training Initiative (CITI) courses:

- Social and Behavioral Research (2012; 2014)
- Wildlife Research (2016)
- Working with Amphibians in Research Settings (2012; 2016)

Certified Associate Wildlife Biologist[®], The Wildlife Society (2011)

Certified in wildlife chemical immobilization. Wildlife capture, immobilization, and handling course. Wildlife Science Center, Forest Lake, Minnesota. Instructor: T. J. Kreeger (2007)

B. Panels and Subcommittees

Research & Reference Subcommittee member. The Central Appalachian Spruce Restoration Initiative (2015 – Present)

Statistics Curriculum Development Team, West Virginia University (2017 – 2018)

Faculty Search Committee, West Virginia University. Teaching Assistant Professor of Energy Land Management (2016 – 2017)

Faculty Search Committee, West Virginia University. Assistant Professor of Energy Land Management (2016)

Technical Advisory Panel member. Western chicken turtle research in Texas. Texas A&M University, Institute of Renewable Natural Resources (2014 – 2016)

C. Hosted Workshops and Symposia

Brown, D. J. 2016. Wood turtle research and management in the Upper Midwest. Midwest Fish and Wildlife Conference, 76th annual meeting, Grand Rapids, Michigan (Symposium Organizer and Moderator)

Brown, D. J., C. A. Ribic, and D. M. Donner. 2014. Workshop for development of a baseline Kirtland's warbler population model for simulating spatial and temporal dynamics. Kirtland's Warbler Recovery Team annual meeting, Paradise, Michigan (Workshop Leader)

D. Additional Workshops and Conferences Attended

Write Winning Grants symposium. West Virginia University, Morgantown, West Virginia (2016)

LANDIS-II conference. University of Wisconsin-Madison, Madison, Wisconsin (2014)

Coping with extreme weather and climate change: planning and management needs for the Upper Midwest. Upper Midwest Environmental Sciences Center, La Crosse, Wisconsin (2013)

Ecological Society of America, 98th annual meeting, Minneapolis, Minnesota (2013)

The Wildlife Society, 19th annual conference, Portland, Oregon (2012)

E. Consulting and Contract Work

US Forest Service Northern Research Station. Kirtland's warbler spatial distribution research (2015)

Federal Emergency Management Agency (FEMA). Houston toad impact mitigation. Wildfire cleanup operations, Bastrop County, Texas (2012 – 2013)

Mike Forstner's Waterlife LLC. Houston toad call survey monitoring. Bastrop County, Texas (2012 – 2013)

Texas Department of Transportation. Houston toad impact mitigation. Wildfire cleanup operations, Bastrop State Park, Bastrop County, Texas (2012)

Mike Forstner's Waterlife LLC. Houston toad impact mitigation. Private landowner construction, Bastrop County, Texas (2010 – 2013)