

## Lisabeth L. Willey, Ph.D.

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### EDUCATION

**Postdoctoral Research Associate**, 2012-2014, USGS Massachusetts Cooperative Fish & Wildlife Research Unit, Amherst, MA. Regional conservation planning for Blanding's and Wood turtles in the northeastern U.S., supported by the U.S. Fish & Wildlife Competitive State Wildlife Grants and Regional Conservation Needs grant programs, with partners from the 13 northeastern state wildlife agencies. ([blandingsturtle.org](http://blandingsturtle.org) and [northeastturtles.org/NE/RCN2011-02.pdf](http://northeastturtles.org/NE/RCN2011-02.pdf))

**Postdoctoral Research Associate**, 2010-2012, Department of Environmental Conservation, University of Massachusetts Amherst, Amherst, MA. Designing Sustainable Landscapes (DSL) Project. Directed by Dr. Kevin McGarigal. (<http://www.umass.edu/landeco/research/dsl/dsl.html>), supported by the U.S. Fish and Wildlife Service, North Atlantic Landscape Conservation Cooperative (NALCC).

**Ph.D.**, 2010, Organismic and Evolutionary Biology / Wildlife and Fisheries Conservation, University of Massachusetts Amherst, Amherst, MA. Dissertation: Spatial Ecology and Conservation of Eastern Box Turtles (*Terrapene c. carolina*) in the Connecticut River Valley in Massachusetts, directed by Dr. Paul R. Sievert, supported by the Massachusetts Natural Heritage and Endangered Species Program.

**M.S.**, 2008, Organismic and Evolutionary Biology, University of Massachusetts Amherst, Amherst, MA.

**B.S.**, 2002, Environmental Engineering (Minor: Earth Science). Massachusetts Institute of Technology (MIT), Cambridge, MA.

### PROFESSIONAL EXPERIENCE

**Antioch University New England**, Keene, NH, Core Faculty, 2014-Present  
Department of Environmental Studies  
Interim-co-Director, PhD Program, Environmental Studies, fall 2018  
Interim-Director, Conservation Biology Concentration, spring 2018

**Geologic Services Corporation**, Windsor, CT, Environmental Engineer, 2004 – 2005  
ASTM Phase I and Phase II environmental site assessments, groundwater and soil remediation.

**Eastern Research Group, Inc.**, Lexington, MA, Environmental Engineer, 2002 – 2003  
Public health assessments for the Centers for Disease Control, Agency for Toxic Substance and Disease Registry (CDC ATSDR): analyzing large environmental data sets, assessing contaminant transport pathways, identifying and evaluating potential exposure scenarios, reviewing toxicology information, preparing written public reports, and responding to public comments.

### PUBLICATIONS

#### Refereed Journal Articles:

- Meck, J.R., M.T. Jones, **L.L. Willey**, and J.D. Mays. *In press*. Autecological study of Gulf Coast Box Turtles (*Terrapene carolina major*) in the Florida panhandle reveals unique spatial and behavioral characteristics. Accepted for publication in *Herpetological Conservation and Biology*.
- Jones, M.T. and **L.L. Willey**. 2020. Annual movement and dispersal in adult wood turtles (*Glyptemys insculpta*). *Herpetology Review* 51(2) 208–211.
- Jones, M.T., **L.L. Willey**, D.T. Yorks, P.D. Hazelton, and S. L. Johnson. 2020. Passive transport of Eastern Elliptio (*Elliptio complanata*) by freshwater turtles in New England. *Canadian Field-Naturalist* 134(1): 56–59.
- Jones, M.T., **L.L. Willey**, A.M. Richmond, and P.R. Sievert. 2019. Reassessment of Agassiz's Wood Turtle Collections Reveals Significant Change in Body Size and Growth Rates. *Herpetological Conservation and Biology* 14(1):41–50.

- McGarigal, K., E. Plunkett, **L.L. Willey**, B. Compton, W. DeLuca, and J. Grand. 2018. Modeling non-stationary urban growth: The SPRAWL model and the ecological impacts of development. *Landscape and Urban Planning* 177: 178-190.
- Macip-Rios, R., M.T. Jones, **L.L. Willey**, S.B. Akre, E. Gonzalez-Akre, L.F. Diaz-Gamboa. 2018. Population Structure and Natural History of Creaser's Mud Turtle (*Kinosternon creaseri*) in Central Yucatán. *Herpetological Conservation and Biology* 13(2):366–372.
- Sperduto, D.D. M.T. Jones, and **L.L. Willey**. 2018. Decline of *Sibbaldia procumbens* (Rosaceae) on Mount Washington, White Mountains, NH, USA. *Rhodora* 120 (981):65-75.
- Jones, M.T., **L.L. Willey**, and N.D. Charney. 2016. Box Turtles (*Terrapene carolina bauri*) on ancient, anthropogenic shell work islands in the Ten Thousand Islands mangrove estuary, Florida, USA. *Journal of Herpetology* 50(1): 94-101. <http://journalofherpetology.org/doi/abs/10.1670/13-149>
- Erb, L. A., **L.L. Willey**, L.M. Johnson, J.E. Hines, and R.P. Cook. 2015. Detecting long-term population trends for an elusive reptile species. *The Journal of Wildlife Management* 79(7): 1062-1071.
- Kiester, A.R. and **L.L. Willey**. 2015. *Terrapene carolina* (Linnaeus 1758) – Eastern Box Turtle, Common Box Turtle. In: Rhodin, A.G.J., Pritchard, P.C.H., van Dijk, P.P., Saumure, R.A., Buhlmann, K.A., Iverson, J.B., and Mittermeier, R.A. (Eds.). *Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group*. Chelonian Research Monographs 5(8):085.1–25, doi:10.3854/crm.5.085.carolina.v1.2015.
- Willey, L.L.**, and P. Sievert. 2012. Notes on the nesting ecology of the eastern box turtle in central Massachusetts. *Northeastern Naturalist* 19(3):361-372.
- Willey, L.L.**, and M.T. Jones. 2012. Site characteristics of *Sibbaldia procumbens* (Rosaceae) on the Uapishka Plateau (Monts Groulx), Québec, with notes on the alpine flora. *Rhodora* 114(957)21-30.

#### Notes:

- Jones, M.T., **L.L. Willey**, and R.M. Riós. 2017. Natural History: *Pseudemys nelsoni*, Florida Redbellied Cooter. *Herpetological Review* 48(2)426-427.
- Jones, M.T., and **L.L. Willey**. 2011. Geographic Distribution: *Trachemys stejnegeri*, Central Antillean Slider. *Herpetological Review* 42(4). (Confirmed range extension to Isla de Culebra, Puerto Rico).
- Jones, M.T., **L.L. Willey**, and N.D. Charney. 2011. Geographic Distribution: *Gopherus polyphemus*, Gopher Tortoise. *Herpetological Review* 42(3). (Range extension 30 km eastward to atypical habitat on offshore shell mounds).
- Jones, M.T., and **L.L. Willey**. 2011. Geographic Distribution: *Ambystoma maculatum*, Spotted Salamander. *Herpetological Review* 42(3)104-105. (Range extension 150 km northward into central Québec).
- Willey, L.L.**, and M.T. Jones. 2010. Natural History Note: *Plethodon cinereus*, Red-backed Salamander, Maximum elevation. *Herpetological Review* 41(2):190. (Unusual high-elevation occurrence on Katahdin, ME).

#### Books:

- Jones, M.T., and **L.L. Willey** (Eds.). 2018. *Eastern Alpine Guide: Natural History and Conservation of Mountain Tundra East of the Rockies*. University Press of New England; Lebanon, NH. 348 pp.

#### Selected Technical Reports:

- Willey, L.L.** M. Jones, C. Cogbill, N. Charney, B. Engstrom, and M. Peters, 2019. Conserving Alpine Vegetation along the Crawford Path during its 200<sup>th</sup> Anniversary. 2019. Beyond Ktaadn. Technical report submitted to US Forest Service, March 2019.
- Jones, M.T., **L.L. Willey**, J.D. Mays, and C.K. Dodd, Jr. 2018. Florida Box Turtles on Egmont Key: A Reassessment End of year report 2018. American Turtle Observatory and Florida Fish and Wildlife Conservation Commission. December 2018. 28 pp.
- Jones, M.T., H. P. Roberts, and **L.L. Willey** (Eds.). 2018. *Conservation Plan for the Wood Turtle in the Northeastern United States*. Report to the U.S. Fish and Wildlife Service. 205 pp.
- Jones, M.T., J. Regosin, N. Gualco, **L. L. Willey**, and Massachusetts Natural Heritage and Endangered Species Program (NHESP). 2017. Status and Conservation of the Northern Red-bellied Cooter in Massachusetts. Massachusetts Division of Fisheries and Wildlife; Westborough, MA. 109 pp. May 2017.

- Jones, M.T., **L.L. Willey**, J.D. Mays, and C.K. Dodd, Jr. 2017. Florida Box Turtles on Egmont Key: A Preliminary Reassessment. American Turtle Observatory and Florida Fish and Wildlife Conservation Commission. April 2017.
- Jones, M.T., and **L.L. Willey**. Distribution, Population Structure, and Movement Patterns of Florida box turtles (*Terrapene carolina bauri*) in the Northern Ten Thousand Islands, Florida. Summary Report 2010-2016. 2017. American Turtle Observatory, New Salem, MA. 21pp.
- Meck, J., M.T. Jones, **L.L. Willey**, R. Kiester, J.D. Mays, and B. Smith. 2016. Ecology of the Gulf Coast Box Turtle (*Terrapene carolina major*) in the Apalachicola River Floodplain. Interim Report—2016 A Report Prepared for: U.S. Forest Service, Apalachicola National Forest, U.S. Fish and Wildlife Service, St. Vincent National Wildlife Refuge, Florida Fish and Wildlife Conservation Commission, Apalachicola River Wildlife and Environmental Area Apalachicola National Estuarine Research Reserve. American Turtle Observatory, New Salem, MA. 8 pp. December 2016.
- Jones, M.T., **L.L. Willey**, R. Kiester, J. Mays, B. Smith, and J. Meck. 2016. Ecology of the Gulf Coast Box Turtle (*Terrapene carolina major*) in the Apalachicola River Floodplain. Summary Report (2014–2015) and Proposal for Phase II (Radiotelemetry). A Report Prepared for: U.S. Forest Service, Apalachicola National Forest, U.S. Fish and Wildlife Service, St. Vincent National Wildlife Refuge, Florida Fish and Wildlife Conservation Commission, Apalachicola River Wildlife and Environmental Area Apalachicola National Estuarine Research Reserve. January 2016.
- M. Jones, J. Regosin, **L. Willey**, T. French, P. Sievert, N. Gualco 2016. Status of the Northern Red-Bellied Cooter (*Pseudemys rubriventris*) in Plymouth, Massachusetts 2015 Report. A Technical Report prepared for the U.S. Fish and Wildlife Service. January 30, 2016.
- Willey, L.L.**, M.T. Jones, et al. 2014. Conservation Plan for Blanding's Turtle (*Emydoidea blandingii*) in the Northeastern United States. Report to the U.S. Fish and Wildlife Service. <http://blandingsturtle.org>
- Jones, M.T., **L. Willey**, P. Sievert, T.S.B. Akre, et al. 2014. Status and Conservation of the Wood Turtle (*Glyptemys insculpta*) in the Northeastern United States. Report to the Regional Conservation Needs Program of NEAFWA and WMI. <http://northeastturtles.org/NE/RCN2011-02.pdf>
- Charney, N.D., **L.L. Willey**, and M.T. Jones. 2014. Prioritizing habitats for regulatory review: Blanding's and wood turtle in Massachusetts. A report and conceptual framework prepared for the Massachusetts Division of Fisheries and Wildlife, Natural Heritage and Endangered Species Program; West Boylston, MA.
- Johnson, L.M., **L.L. Willey**, M.T. Jones, and F. Sangermano. 2012. Predicting core reproductive habitat for wolverine (*Gulo gulo*) in Québec, Canada using a GIS-based deductive modeling approach. Technical report prepared for Province du Québec. Beyond Ktaadn; New Salem, MA. 28 pp.
- Jones, M.T., **L.L. Willey**, and B. Compton. 2010. Wood turtle monitoring in the Upper Kennebec Watershed, Maine. Technical report submitted to the Maine Department of Inland Fisheries & Wildlife. 22 pp.
- Eiseman, C., M.T. Jones, **L.L. Willey**, and Q. Quinlan. 2010. Distribution and habitat requirements of large-leaved goldenrod (*Solidago macrophylla*) in Massachusetts. Technical report prepared for the MNHESP; Westborough, MA. 11 pp.
- Willey, L.L.**, L. Johnson, L. Erb. 2010. Eastern box turtle monitoring in Massachusetts, 2010 Report. Technical Report prepared for the Massachusetts Natural Heritage and Endangered Species Program (MNHESP); Westborough, MA. 20pp.
- Jones, M.T., and **L.L. Willey**. 2009. Contributions to the flora of the Monts Groulx, Québec. Technical report submitted to the Manicouagan-Uapishka Biodiversity Reserve. 9 pp.
- Willey, L.L.** 2009. Historical Range of the Eastern box turtle in Massachusetts and implications for its conservation. Technical Report prepared for the Massachusetts Natural Heritage and Endangered Species Program (MNHESP); Westborough, MA. 20pp.
- Willey, L.L.** 2009. Vernal Pool Surveys on DCR properties. Technical Report prepared for the Massachusetts Natural Heritage and Endangered Species Program; Westborough, MA. 97 pp.
- Willey, L.L.** and P.R. Sievert 2009. Ecology and Conservation of Eastern box turtles in the Connecticut River Valley, Massachusetts. Technical Report prepared for the Massachusetts Natural Heritage and Endangered Species Program (MNHESP); Westborough, MA. 98 pp.

Jones, M.T., **L.L. Willey**, and W.A. Patterson III. 2009. Environmental Factors Influencing the Local Distribution of Dwarf Scouring-rush (*Equisetum scirpoides*) Near the Southern Extent of its Range. Technical Report prepared for the Massachusetts Natural Heritage and Endangered Species Program; Westborough, MA. 18 pp.

#### **Non-technical Articles:**

Jones, M.T., and **L.L. Willey**. 2012. Ten peaks in the great Eastern Alpine Zone: A list of great mountains expands old ideas of boundaries. *Appalachia* 63(1)12-32. (cover feature in *Expanding our vision Northward*).

**Willey, L.L.** 2011. Eastern Box Turtles in Massachusetts. *Massachusetts Wildlife*. June 2011.

#### **INVITED LECTURES, PRESENTATIONS, and PANEL DISCUSSIONS**

**Willey, L.L.** 2020. Keynote address: Leveraging 20 Years of NEPARC Partnerships: Where from Here for Turtle Conservation? Northeast Partners for Amphibian and Reptile Conservation (NEPARC) Annual Meeting. Stockton University, NJ. 7/18/19

**Willey, L.L.**, M.T. Jones, M. Marchand, P.R. Sievert. 2018. Conservation Planning for Blanding's Turtles in the Northeastern U.S. Invited Presentation, The Wildlife Society Annual Meeting, Cleveland, OH. 10/18.

Jones, M.T., and **L.L. Willey**. 2015. Eastern alpine ecology. Invited lecture, New England Wildflower Society; Framingham, MA. 2/25/15

Jones, M.T., and **L.L. Willey**. 2015. Eastern alpine ecology. Invited lecture, Manhattan Chapter of the American Rock Garden Society; New York City, NY. 2/23/15

**Willey, L.L.**, and M. T. Jones. Wood Turtle Ecology and Conservation. Keene State University, Keene, NH. 2/26/15. Sponsored by the Harris Center.

Wilderness Ethics Panel Discussion. Led by Peter Palmiotto, Antioch University New England, Keene, NH. 3/5/15

Jones, M.T., and **L.L. Willey**. 2013. Eastern Alpine Guide: A Vision for Collaborative Conservation. Invited keynote presentation, Northeastern U.S. Alpine Stewardship Conference, Hancock, NH. 11/3/13

Plunkett, E., **L. Willey**, K. McGarigal, B. Compton, W. Deluca, and J. Grand. 2012. Assessment of landscape changes in the North Atlantic Landscape Conservation Cooperative: Urban Growth Modeling. Chesapeake Bay Modeling Symposium. Annapolis, MD. 5/22/12

**Willey, L.L.** and M.T. Jones. Beyond Ktaadn: Alpine conservation in eastern North America. Stewardship lecture presented at Athol Bird and Nature Club. 1/19/11

#### **SELECTED CONFERENCE PRESENTATIONS**

**Willey, L.L.** and the Eastern Spotted Turtle Working Group. 2020. Conservation Planning for Spotted Turtle in the Eastern U.S. Spotted, Blanding's, and Wood Turtle Conservation Symposium. Berkeley Springs, WV. November 2019.

**Willey L.L.**, M.T. Jones, H.P Roberts, and J. Milam. 2019. Long-term Changes in Population Structure and Space use in three Spotted Turtle Populations in Massachusetts: Revisiting Graham and Milam and Melvin. 17<sup>th</sup> Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles; Tucson, AZ. August 2019.

**Willey, L.L.**, M.T. Jones, E. G. Nahuat, T.S.B. Akre, E. Gonzalez, R Macip-Rios, L. Diaz Gamboa. 2019. Ecology of the Yucatán Box Turtle (*Terrapene yucatana*) in Yucatán. Box Turtle Conservation Workshop; Haw River State Park, North Carolina. May 2019.

**Willey, L.L.** 2019. Regional Conservation Planning for Freshwater Turtle RSGCN of the Northeast. Northeast Fish and Wildlife Conference hosted by the Northeast Association of Fish and Wildlife Agencies (NEAFWA). Groton, Connecticut. April 2019.

Regosin, J., T.W. French, M.T. Jones, **L.L. Willey**, N. Gualco, N. Cardona, P.R. Sievert, S. Koch. 2015. Status of the Northern Red-bellied Cooter (*Pseudemys rubriventris*) in Plymouth County, Massachusetts. 13th Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles; Tucson, AZ. 8/2015.

Marchand, M., **L. Willey**, M. Jones, P. Sievert, et al. 2015. Identifying priority focus areas for Blanding's turtle in the northeast. Invited presentation in PARC Symposium: Identifying Priority Areas for Herpetofauna Conservation. 58th annual meeting of the Society for the Study of Amphibians and Reptiles; Lawrence, KS. 8/2015

- Marchand, M., **L. Willey**, M. Jones, P. Sievert, et al. 2014. Blanding's turtle conservation in the northeast: an example of regional partnerships for rare reptiles and amphibians. Northeast Partners for Amphibian and Reptile Conservation; Salamanca, NY. 8/2014
- Jones, M.T., **L.L. Willey**, T.S.B. Akre, R. Macip Rios, et al. 2014. Biology and conservation of the Yucatán box turtle. 12th Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles; Orlando, FL. 8/7/14
- Willey, L.L.**, M. T. Jones, and P. R. Sievert, M. Marchand, J. Regosin, L. Erb, et al. 2014. Effects of anthropogenic landscape change on characteristics of Blanding's turtle populations, with implications for regional conservation. Northeast Fish and Wildlife Conference hosted NEAFWA; Portland, ME. 4/14/14
- Willey, L.L.**, M. T. Jones, P. R. Sievert, T. Akre, L. Erb, M. Grgurovic, G. Johnson, S. Koch, M. Marchand, J. Mays, A. M. Ross, et al. 2013. An update on regional conservation planning efforts for two rare turtle species in the northeastern US. Northeast Natural History Conference; Springfield, MA. 4/14/13
- Jones, M.T., and **L.L. Willey**. 2013. Ecological investigations of the Monts Groulx, Québec; Northeast Natural History Conference; Springfield, MA. 4/14/13 (Also: session organizer for Alpine Ecology Session).
- Willey, L.L.**, M. T. Jones, P. R. Sievert, L. Erb, M. Grgurovic, G. Johnson, S. Koch, M. Marchand, J. Mays, A. M. Ross, C. Urban, B. Windmiller. 2012. Regional conservation planning programs for Blanding's turtle in the northeast. 10th Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles; Tucson, AZ. 8/19/12
- Jones, M.T., **L.L. Willey**, P.R. Sievert, and collaborators. 2012. Conservation planning for two at-risk turtles in the Northeastern United States. 7th World Congress of Herpetology; Vancouver, BC. 8/7/12
- Willey, L.L.**, M. T. Jones, P. R. Sievert, T. Akre, C. Castellano, L. Erb, M. Grgurovic, G. Johnson, S. Koch, M. Marchand, J. Mays, A. M. Ross, C. Urban, et al. 2012. Regional planning programs for Blanding's and wood turtles, two rare species in the Northeast. Northeast PARC; Crawford Notch, NH. 7/25/12
- Jones, M.T., **L.L. Willey**, and S.D. Smyers. 2012. Patterns of occurrence of amphibians in eastern alpine areas. Northeast PARC; Crawford Notch, NH. 7/25/12
- McGarigal, K., W. DeLuca, B. Compton, J. Grand, E. Plunkett, **L. Willey**. 2012. Assessment of landscape changes in the North Atlantic Landscape Conservation Cooperative. US-IALE 2012 Annual Symposium; Newport, RI. 4/9/12
- Johnson, L.M., F. Sangermano, M. Jones, and **L. Willey**. 2012. Predicting core reproductive habitat for wolverine in Quebec, Canada Using a GIS-Based Deductive Modeling Approach. US-IALE 2012 Annual Symposium; Newport, RI. 4/9/12
- Willey, L.L.**, M.T. Jones, et al. 2011. Long-odds surveys for wolverine in Québec. Northeastern Alpine Conference; Waterbury, VT. 11/12/11
- Willey, L.L.**, M.T. Jones, and P.R. Sievert. Box turtles in Massachusetts and the Florida Everglades. 9th Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles; Orlando, FL. 8/17/11
- Willey, L.L.**, and P.R. Sievert, 2010. Spatial variation in eastern box turtle (*Terrapene c. carolina*) population density and movement patterns in central Massachusetts. Northeast Partners for Amphibian and Reptile Conservation; Acadia National Park, ME. 8/10
- Willey, L.L.**, and P.R. Sievert, 2010. Use of anthropogenic clearings by eastern box turtles (*Terrapene c. carolina*) in central and western Massachusetts. Northeast Fish and Wildlife Conference hosted by NEAFWA; Newton, MA. 4/10.
- Willey, L.L.**, M.T. Jones, and P.R. Sievert, 2009. Effects of anthropogenic disturbance on home range size of eastern box turtles (*Terrapene c. carolina*) and wood turtles (*Glyptemys insculpta*) in central and western Massachusetts. Urban Wildlife Conference; Amherst, MA. 6/09
- Jones, M.T., **L.L. Willey**, W. Kemeza, and C. Vallaeys. 2009. Remote alpine mountain ranges of eastern Canada. Northeastern Alpine Stewardship Conference; Lake Placid, NY. 5/31/09
- Willey, L.** and P.R. Sievert 2009. Habitat use by Eastern Box Turtles in a pitch pine - Scrub Oak community in central Massachusetts. Northeast Fish and Wildlife Conference hosted by NEAFWA; Lancaster, PA. 4/09

- Willey, L.** and P.R. Sievert 2008. Use of anthropogenic nesting areas by *Terrapene c. carolina* in central Massachusetts. Northeast Natural History Conference; Albany NY. 4/ 08
- Willey, L.** and P.R. Sievert 2007. Home range structure and seasonal movements of Eastern box turtles (*Terrapene c. carolina*) in Massachusetts. 3<sup>rd</sup> Box Turtle Conservation Workshop; Laurel, MD. 11/07
- Willey, L.** 2007. Box Turtle (*Terrapene carolina*) Conservation in Central Massachusetts. Massachusetts Turtle Symposium; Amherst, MA. 2/07

## TEACHING & MENTORING EXPERIENCE

### Antioch University New England, Keene, NH:

Core Faculty, 2014-present:

Conservation Biology, Fall 2016, 2017

Vertebrate Ecology:

Herpetology, Fall 2014, 2016, 2018; Ornithology, Fall 2015; Mammalogy, Spring 2015, 2016

Biostatistics, Spring 2015, 2016, 2017, 2018, 2019

Natural Resources Inventory: Wildlife, Spring 2018

Research Strategy (Quantitative Methods), Summer 2015, 2016, Fall 2018

Service Learning Seminar, Fall 2015

**Mentoring:** Mentored 6 Ph.D. and 28 M.S. students

### University of Massachusetts Amherst, Amherst, MA:

Teaching Assistant, 2005-2010:

Applied Biostatistics (W&FCONSV 697S&T)

Comparative Vertebrate Anatomy (BIO 521)

Introductory Ecology (BIO 287)

Introductory Biology Laboratory (BIO 101)

Field Study Co-leader, 2006-2007:

Herpetology (BIO 540). Field-based undergraduate program to Everglades National Park.

## FELLOWSHIPS, GRANTS, AND AWARDS

Secured over \$2.5 million for collaborative applied conservation research projects:

**Willey, L.L.** 2020. GLORIA 2021 – Alpine Peak Monitoring on the White Mountain National Forest.

Challenge Cost Share Agreement with the U.S. Forest Service, White Mountain National Forest, Campton, NH. \$11,500.

**Willey, L.L.**, C. Cogbill, and M.T. Jones. 2018. Conserving Alpine Vegetation along the Crawford Path during its 200<sup>th</sup> Anniversary. New England Forest Foundation, **Treasured Landscapes, Unforgettable Experiences Program** grant in partnership with the U.S. Forest Service, White Mountain National Forest. \$18,000.

L. Erb, B. Ruhe, **L.L. Willey**, H.P. Roberts, D. I. King, American Turtle Observatory and Mid-Atlantic Center for Herpetology and Conservation. 2018. Eastern Box Turtle Status Assessment, Conservation Plan, & Best Management Practices. Regional Conservation Needs Grant 2.0: Strategic Implementation of Regional Conservation Priorities for Freshwater Turtles at Risk in the Northeast. \$137,500.

Kleopfer, J.D., **L.L. Willey**, et al. 2017. Regional Conservation Planning for Spotted Turtle and Associated Wetland SGCN in the eastern. U.S. Fish and Wildlife Service (USFWS), Competitive State Wildlife Grant Program. \$500,000.

**Willey, L.L.**, H.P Roberts, B. Compton, J. Milam. 2017. Patterns of long-term landscape and wetland change: Effects on four freshwater turtle species of conservation concern. Funded by the Massachusetts Environmental Trust. \$40,000.

**Willey, L.L.**, M.T. Jones, P.R. Sievert, and A. Whitely. 2016. Conservation Genetics of Wood Turtles in the Northeastern U.S. Regional Conservation Needs Program. Northeast Association of Fish and Wildlife Agencies (Northeast AFWA). \$22,000.

Marchand, M., J. Kanter, **L. Willey**, J. Regosin, A. Ross, C. Urban, K. Gipe, G. Johnson, M. Jones, B. Windmiller, M. Grgurovic, A. Tur, and S. Koch. 2016. Adaptive Implementation of the Regional Conservation Plan for Blanding's Turtle and Associated Wetland SGCN in the Northeast, USFWS, Competitive State Wildlife Grant Program. \$499,689.

- Jones, M.T., **L.L. Willey**, R. Macip Rios, T.S.B. Akre, and E. Gonzalez. Yucatán Box Turtle (*Terrapene yucatana*): Building a Long-term Turtle Conservation Program in the Yucatan Peninsula.
- 2015. Andrew Sabin Family Foundation and Turtle Conservancy. \$3000
  - 2014. Turtle Conservation Fund Grant. \$2500
  - 2014. Lucille F. Stickel Award. \$1000
  - 2013. Sabin Turtle Conservation Grant \$2000
- French, T. W., J. Regosin, M. T. Jones, **L. L. Willey**, T. S. B. Akre, P. Sievert, A. Whitely, D. Yorks, P. DeMaynadier, J. Dickson, J. D. Kleopfer, M. Marchand, S. Smith, C. Urban, E. Thompson, and B. Zarate. 2014. Conservation Planning and Implementation for the Wood Turtle (*Glyptemys insculpta*) and Associated Riparian Species of Greatest Conservation Need from Maine to Virginia. USFWS, Competitive State Wildlife Grant Program. \$499,693.
- Koch, S., J. Regosin, M. T. Jones, **L. L. Willey**, and P. Sievert, 2014. U.S. Fish and Wildlife Service, Inventory and Monitoring; Northern red-bellied cooter recovery. *Pseudemys rubriventris*. \$108,000.
- Weihrauch, D., D. Sperduto, R. Capers, **L. Willey**, M. Jones, G. Fortin, D. Germaine, et al. 2014. Alpine Vegetation Monitoring in the White Mountains of NH (GLORIA). Waterman Fund Alpine Grant. \$3000
- Willey, L.L.**, and Jones, M.T. Beyond Ktaadn. 2011. Facilitating cross-border collaboration. Waterman Fund Alpine Grant; East Corinth, VT. \$800.
- Marchand, M., Kanter, J., Erb, L., Ross, A., Mays, J., Urban, C., Rhymer, J., Sievert, P., **Willey, L.**, Johnson, G., Windmiller, B., Bowman, P., and Tur, A. 2011. Conservation of Blanding's turtle and associated wetland SGCN in the Northeast. U.S.F.W.S, Competitive State Wildlife Grant Program. \$637,336
- Jones, M.T. and **L.L. Willey**, Beyond Ktaadn, 2010. Amphibian monitoring in eastern alpine tundra. Norcross Wildlife Foundation; Wales, MA. \$3000.
- Willey, L.L.** 2010. Eastern box turtle monitoring in Massachusetts. Massachusetts Natural Heritage and Endangered Species Program (MNHESP); Westborough, MA. \$5000
- Willey, L.L.** 2009. An observational database of eastern box turtles in Massachusetts: a compilation of turtles observed throughout the state. Massachusetts Natural Heritage and Endangered Species Program (MNHESP); Westborough, MA. \$2000
- Willey, L.L.** 2009. Eastern box turtle surveys throughout Massachusetts: setting priorities for conservation. Massachusetts Natural Heritage and Endangered Species Program (MNHESP); Westborough, MA. \$3000
- Jones, M.T. and **L.L. Willey**, and W. Kemeza, Beyond Ktaadn. 2009. Building a multi-taxa ecological sampling strategy in eastern alpine areas. Waterman Alpine Fund; East Corinth, VT. \$6000
- Willey, L.L.** Eastern box turtle Ecology in Massachusetts. 2007 David J. Klingener Endowment scholarship. University of Massachusetts Natural History Collections; Amherst, MA. \$4000
- Willey, L.L.** Eastern box turtle conservation in the Connecticut River Valley. 2005 and 2006. Turtle Conservation Project; Old Saybrook, CT. \$1100

## SERVICE ACTIVITIES

- American Turtle Observatory**, Co-founder and Board Member, 2015-present.  
Non-profit organization focused on conservation of freshwater turtles of North America and the critical landscapes upon which they rely. [www.americanturtles.org](http://www.americanturtles.org)
- Beyond Ktaadn**, Co-founder, Clerk, and Treasurer, and Board Member, 2008-present.  
Non-profit organization focused on the conservation of alpine biodiversity in of eastern North America, through research, land protection, management, education, and strong regional partnerships.
- Reed Henderson Memorial Trust**, Board Member, 2015-present.  
Non-profit organization devoted to serving children with special needs and their families  
<http://www.reedhendersonmemorial.org>
- Faculty Senate, Antioch University New England**, Vice President 2018-2019, Senator 2016-2019.
- IUCN Tortoise and Freshwater Turtle Specialist Group**. Member. 2017-present.
- NEPCoP**. New England Plant Conservation Partnership, NH Task Force Member, 2015-present.  
[www.newfs.org/conserve/collaborations/nepcop.htm](http://www.newfs.org/conserve/collaborations/nepcop.htm)
- Northeast Blanding's Turtle Working Group**, At-large steering committee member, 2014-present.  
[www.blandingsturtle.org](http://www.blandingsturtle.org)
- Mount Washington Observatory**, Technology in Education Task Force Member, 2014-2015.
- New Salem, Massachusetts, Planning Board**, Chair 2008-2012, Elected member 2007-2012.

**New Salem, Massachusetts, Comprehensive Planning Committee, Appointed member 2009-2010**  
**MIT Education Counselor, 2003-2011**

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