

LITERATURE CITED



Adult male Wood Turtle in New England. MIKE JONES

- Abbott, C.C. 1884. *A Naturalist's Rambles About Home*. D. Appleton and Company; New York.
- Adler, K. 1968. Turtles from archeological sites in the Great Lakes region. *Michigan Archeologist* 14: 147–163.
- Agassiz, L. 1840. *Études sur les Glaciers*. Jent and Gassman; Neuchatel.
- Agassiz, L. 1857. *Contributions to the Natural History of the United States of America*. Vol. I and II. Little, Brown, and Co.; London.
- Akre, T.S.B. 2002. Growth, Maturity, and Reproduction of the Wood Turtle, *Clemmys insculpta* (LeConte, 1830) in Virginia. Unpublished Ph.D. dissertation, George Mason University; Fairfax.
- Akre, T.S.B. 2010. Determinants of nest success, hatchling survival, and recruitment for the state-threatened wood turtle (*Glyptemys insculpta*). Report submitted to the Virginia Department of Game and Inland Fisheries; Richmond.
- Akre, T.S.B., and C.H. Ernst. 2006. Population Dynamics, Habitat Use, and Home Range of the Wood Turtle, *Glyptemys* (= *Clemmys*) *insculpta*, in Virginia. Unpublished report prepared for the Virginia Department of Game and Inland Fisheries; Richmond.
- Akre, T.S.B., and E. Ruther. 2015. Determinants of nest success, hatchling survival and recruitment of the state threatened wood turtle (*Glyptemys insculpta*). Final Report submitted to the Virginia Department of Game and Inland Fisheries; Richmond.
- Akre, T.S.B., J. Dragon, E. Ruther, E. Lassiter, and J.D. Kleopfer. 2012. Subsidies and traps: nest site selection and success in an unusual landscape. Abstract, 10th Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles. Joint Annual Meeting of the Turtle Survival Alliance and the IUCN Tortoise and Freshwater Turtle Specialist Group. August 16–19, 2012; Tucson.
- Allard, H.A. 1909. Notes on two common turtles of eastern United States. *Science* 30: 453–454.
- Allen, J.A. 1868. Catalogue of the reptiles and batrachians found in the vicinity of Springfield Massachusetts. *Proceedings of the Boston Society of Natural History* 12: 175–176.
- Allen, J.A. 1870. Notes on Massachusetts reptiles and batrachians. *Proceedings of the Boston Society of Natural History* 13: 260–263.
- Allender, M.C., M. Abd-Eldaim, J. Schumacher, D. McRuer, L.S. Christian, and M. Kennedy. 2011. PCR prevalence of Ranavirus in free-ranging eastern box turtles (*Terrapene carolina carolina*) at rehabilitation centers in three Southeastern US States. *Journal of Wildlife Diseases* 47: 759–764.
- Amato, M.L. 2006. Phylogeography of *Glyptemys insculpta* in relation to general herpetofaunal distribution patterns in eastern North America. Unpublished MS thesis, University of Guelph; Guelph.
- Amato, M.L., R.J. Brooks, and J. Fu. 2008. A phylogeographic analysis of populations of the wood turtle (*Glyptemys insculpta*) throughout its range. *Molecular Ecology* 17: 570–581.
- Anderson, M.G., M. Clark, and A.O. Sheldon. 2014. Estimating climate resilience for conservation across geophysical settings. *Conservation Biology* 28: 959–970.

- Angielczyk, K.D., C.R. Feldman, and G.R. Miller. 2010. Adaptive evolution of plastron shape in Emydine turtles. *Evolution* 65: 377–394.
- Angielczyk, K.D., and C.R. Feldman. 2017. Are diminutive turtles miniaturized? The ontogeny of plastron shape in emydine turtles. *Biology Journal of the Linnean Society* 108: 727–755.
- Arndt, R.G. 1977. Notes on the natural history of the bog turtle, *Clemmys mublenbergii* (Schoepff) in Delaware. *Chesapeake Science* 18: 67–76.
- Arrowwood, C., A. Arrowwood, and Badje, A.F. 2019. *Glyptemys insculpta* (Wood Turtle). Distribution. *Herpetological Review* 50: 324
- Arvais, M., J.-C. Bourgeois, D. Masse, C. Daigle, J. Jutras, S. Paradis, R. Bider, and E. Lévesque. 2001. Ecologie d'une population de tortue des bois (*Clemmys insculpta*) en Mauricie. *Le Naturaliste Canadien* 125: 23–28.
- Arvais, M., J.-C. Bourgeois, E. Levesque, C. Daigle, D. Masse, and J. Jutras. 2002. Home range and movements of a wood turtle (*Clemmys insculpta*) population at the northern limit of its range. *Canadian Journal of Zoology* 80: 402–408.
- Arvais, M., E. Levesque, J.-C. Bourgeois, C. Daigle, D. Masse, and J. Jutras. 2004. Habitat selection by the wood turtle (*Clemmys insculpta*) at the northern limit of its range. *Canadian Journal of Zoology/Revue Canadienne De Zoologie* 82: 391–398.
- Babcock, H.L. 1919. Turtles of New England. *Memoirs of the Boston Society of Natural History* 8: 325–431.
- Badje, A.F. 2019. *Glyptemys insculpta* (Wood Turtle). Distribution. *Herpetological Review* 50: 522–523.
- Bailey, R. M. 1941. The occurrence of the wood turtle in Iowa. *Copeia* 1941: 265.
- Baldwin, R.F., S.C. Trombulak, P.B. Leonard, R.F. Noss, J.A. Hilty, H.P. Possingham, L. Scarlett, and M.G. Anderson. 2018. The future of landscape conservation. *BioScience* 68: 60–63.
- Barnosky, A.D., N. Matzke, S. Tomiya, G.O.U. Wogan, B. Swartz, T.B. Quental, C. Marshall, J.L. McGuire, E.L. Lindsey, K.C. Maguire, B. Mersey, and E.A. Ferrer. 2011. Has the Earth's sixth mass extinction already arrived? *Nature* 471: 51–57.
- Barone, J.A. 2005. Historical presence and distribution of prairies in the Black Belt of Mississippi and Alabama. *Castanea* 70: 170–183.
- Barzilay, S. 1980. Orientation and Homing of the Wood Turtle (*Clemmys insculpta*). Unpublished Ph.D. dissertation, Rutgers University; New Brunswick.
- Barzilay, S. 1980. Aggressive behavior in the wood turtle, *Clemmys insculpta*. *Journal of Herpetology* 14: 89–91.
- Bedell, J. 2002. Historic context: The archaeology of farm and rural dwelling sites in New Castle and Kent Counties, Delaware 1730–1770 and 1770–1830. Delaware Department of Transportation Series No. 162.
- Behrensmeyer, A.K. 1982. Time resolution in fluvial vertebrate assemblages. *Paleobiology* 8: 211–227.

- Bentley, C.C., and J.L. Knight. 1998. Turtles (Reptilia: Testudines) of the Ardis local fauna late Pleistocene (Rancholabrean) of South Carolina. *Brimleyana* 25: 3–33.
- Berg, S.W. 2014. Population structure, size, and the thermal ecology of Iowa wood turtles (*Glyptemys insculpta*): A comparison between suburban and rural populations. Unpublished MS thesis, University of Northern Iowa; Cedar Falls.
- Bickham, J.W. 1975. A cytosystematic study of turtles in the genera *Clemmys*, *Mauremys*, and *Sacalia*. *Herpetologica* 31: 198–204.
- Bickham, J.W. 1981. Two-hundred-million-year-old chromosomes: Deceleration of the rate of karyotypic evolution in turtles. *Science* 212: 1291–1293.
- Bickham, J.W., T. Lamb, P. Minx, and J.C. Patton. 1996. Molecular systematics of the genus *Clemmys* and the intergeneric relationships of emydid turtles. *Herpetologica* 52: 89–97.
- Blankenship, K. 1999. Poaching and the illegal sale of reptiles and amphibians. *Pennsylvania Angler & Boater*. May-June 1999. [
- Bleakney, J.S. 1952. The amphibians and reptiles of Nova Scotia. *Canadian Field-Naturalist* 66: 125–129.
- Bleakney, J.S. 1958a. The significance of turtle bones from archaeological sites in southern Ontario and Quebec. *Canadian Field-Naturalist* 72: 1–5.
- Bleakney, J.S. 1958b. A zoogeographical study of the amphibians and reptiles of eastern Canada. Department of Northern Affairs and National Resources.
- Bleakney, J.D. 1963. Notes on the distribution and life histories of turtles in Nova Scotia. *Canadian Field-Naturalist* 77: 67–76.
- Boardman, S.L. 1903. *The Naturalist of the St. Croix*. C.H. Glass and Co.; Bangor.
- Bond, H.D. 1931. Some amphibians and reptiles of Monongalia County, West Virginia. *Copeia* 1931: 53–54.
- Bouchard, C., N. Tessier, and F.-J. Lapointe. 2018. Paternity analysis of Wood Turtles (*Glyptemys insculpta*) reveals complex mating patterns. *Journal of Heredity* 109: 405–415.
- Bouchard, C., N. Tessier, and F.-J. Lapointe. 2019. Watersheds influence the wood turtle's (*Glyptemys insculpta*) genetic structure. *Conservation Genetics* 20: 653–664.
- Bowen, K.D., and J.C. Gillingham. 2004. R9 Species Conservation Assessment for Wood Turtle—*Glyptemys insculpta* (LeConte 1830). United States Forest Service.
- Brady, M.K. 1937. Natural history of Plummers Island, Maryland. VI-Reptiles and Amphibians. *Proceedings of the Biological Society of Washington* 50: 137–140.
- Bramble, D.M. 1974. Emydid shell kinesis: biomechanics and evolution. *Copeia* 1974: 707–727.
- Breckenridge, W.J. 1958. *Reptiles and Amphibians of Minnesota*. University of Minnesota Press; Minneapolis.

- Breisch, A.N. 2006. The Natural History and Thermal Ecology of a Population of Spotted Turtles (*Clemmys guttata*) and Wood Turtles (*Glyptemys insculpta*) in West Virginia. Unpublished MS thesis, Marshall University; Huntington.
- Breisch, A. 1997. The status and management of turtles in New York. In T.F. Tynning (Ed.), Status and Conservation of Turtles of the Northeastern United States. Serpent's Tale; Lanesboro.
- Brewster, C.M. 1985. Wood turtle, *Clemmys insculpta*, research in northern Wisconsin. Bulletin of the Chicago Herpetological Society 20: 13–20.
- Brewster, K. N., and C. M. Brewster. 1986. *Clemmys insculpta* (Wood Turtle). Ectoparasitism. Herpetological Review 17: 48.
- Brewster, K. N., and C. M. Brewster. 1987. Notes on aggression and courtship in the Wood Turtle, *Clemmys insculpta*. Bulletin of the Chicago Herpetological Society 23: 144.
- Brooks, R.J., M.L. Bobyn, D.A. Galbraith, J.A. Layfield, and E.G. Nancekivell. 1991. Maternal and environmental influences on growth and survival of embryonic and hatchling snapping turtles (*Chelydra serpentina*). Canadian Journal of Zoology 69: 2667–2676.
- Brooks, R.J., and G.P. Brown. 1992. Population biology of the wood turtle, *Clemmys insculpta*, in the Madawaska River drainage. 1991 Progress Report and Proposal to the Ontario Ministry of Natural Resources, Algonquin District (see Foscarini and Brooks 1993).
- Brooks, R.J., C.M. Shilton, G.P. Brown, and N.W.S. Quinn. 1992. Body size, age distribution, and reproduction in a northern population of wood turtles (*Clemmys insculpta*). Canadian Journal of Zoology 70: 462–469.
- Brotherton, D.K., J.L. Behler, and R.P. Cook. 2004. Acadia National Park Amphibian and Reptile Inventory: March–September 2001. Natural Resource Technical Report NPS/NETN/NRTR—2005/007. U.S. Department of the Interior, National Park Service; Woodstock.
- 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: 243–244.
- 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: 868–877.
- Brown, G.P., R.J. Brooks, M.E. Siddall, and S.S. Desser. 1994. Parasites and reproductive output in the snapping turtle, *Chelydra serpentina*. Copeia 1994: 228–231.
- Brown, N.R. 1947. Occurrence of the wood turtle on the Petawawa Reserve, Renfrew County, Ontario. Canadian Field-Naturalist 61: 67–68.
- Brown, R.W. 1956. Composition of scientific words. Smithsonian Institution Press; Washington, D.C.
- Browne, C. L. and S. J. Hecnar. 2007. Species loss and shifting population structure of freshwater turtles despite habitat protection. Biological Conservation 138: 421–429.
- Buech, R.R., L.G. Hanson, and M.D. Nelson. 1997. Identification of Wood turtle nesting areas for protection and management. In J. Van Abbema (Ed.), Proceedings: Conservation, Restoration, and Management of Tortoises and Turtles – an International Conference. New York Turtle and Tortoise Society; New York.

- Buhlmann, K.A., and J.C. Mitchell. 1989. Geographic distribution: *Clemmys insculpta*. *Herpetological Review* 20: 76.
- Buhlmann, K.A., and C.P. Osborn. 2011. Use of an artificial nesting mound by wood turtles (*Glyptemys insculpta*): A tool for turtle conservation. *Northeastern Naturalist* 18: 315–334.
- Bull, J.J., J.M. Legler, and R.C. Vogt. 1985. Non-temperature dependent sex determination in two suborders of turtles. *Copeia* 1985: 784–786.
- Burke, R.L. 1993. Adaptive value of sex determination mode and hatchling sex ratio bias in reptiles. *Copeia* 1993: 854–859.
- Burke, R.L., T.E. Leuteritz, and A.J. Wolf. 1996. Phylogenetic relationships of Emydine turtles. *Herpetologica* 52: 572–584.
- Burt, W. H. 1943. Territoriality and home range concepts as applied to mammals. *Journal of Mammalogy* 24: 346–352.
- Buskirk, J.R., and P. Ponce-Campos. 2011. *Terrapene nelsoni* Stejneger 1925 — Spotted Box Turtle, Tortuga de Chispitas, Tortuga de Monte. In: A.G.J. Rhodin et al. (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: 060.1–060.9.
- Butler, J.W., C.K. Dodd, Jr., M. Aresco, and J.D. Austin. 2011. Morphological and molecular evidence indicates that the Gulf Coast Box Turtle (*Terrapene carolina major*) is not a distinct evolutionary lineage in the Florida Panhandle. *Biological Journal of the Linnean Society* 102: 889–901.
- Cahn, A.R. 1937. *The Turtles of Illinois*. University of Illinois Press; Urbana.
- Carr, A. 1952. *Handbook of the Turtles: Turtles of the United States, Canada, and Baja California*. Cornell University Press; Ithaca.
- Carroll, D.M. 1991. *Year of the Turtle*. Camden House Publishing, Inc.; Rochester.
- Carroll, D.M. 1999. *Swampwalker's Journal: A Wetlands Year*. Harper Collins; New York.
- Carroll, D.M. 2018. The perils of human activity. *Northern Woodlands* 97: 54.
- Carroll, T. E. and D.W. Ehrenfeld. 1978. Intermediate-range homing in the Wood turtle, *Clemmys insculpta*. *Copeia* 1978: 117–126.
- Casper, G. 1996. *Geographic Distributions of the Amphibians and Reptiles of Wisconsin*. Milwaukee Public Museum; Milwaukee.
- Castellano, C.M., J.L. Behler, and G.R. Utsch. 2008. Terrestrial movements of hatchling wood turtles (*Glyptemys insculpta*) in agricultural fields in New Jersey. *Chelonian Conservation and Biology* 7: 113–118.
- Castellano, C.M., J.L. Behler, and G. Amato. 2009. Genetic diversity and population genetic structure of the wood turtle (*Glyptemys insculpta*) at Delaware Water Gap National Recreation Area, USA. *Conservation Genetics* 10: 1783–1788.

- Ceballos, G., P.R. Ehrlich, A.D. Barnosky, A. Garcia, R.M. Pringle, and T.M. Palmer. 2015. Accelerated modern human-induced species losses: Entering the sixth mass extinction. *Science Advances* 1, e1400253 (2015).
- Clausen, R.T. 1943. Amphibians and reptiles of Tioga County, New York. *American Midland Naturalist* 29: 360–364.
- Cherry, M.J., R.J. Warren, and L.M. Conner. 2015. Effects of predation risk and group dynamics on white-tailed deer foraging behavior in a longleaf pine savanna. *Behavioral Ecology* 26: 1091–1099.
- Clark, A.H. 1930. Records of the wood tortoise (*Clemmys insculpta*) in the vicinity of the District of Columbia. *Proc. Biol. Soc. Wash.* 43: 13–15.
- Cochrane, M.M., R.A. Moen, and D.J. Brown. 2015. *Glyptemys insculpta* (Wood Turtle). Nest Predation. *Herpetological Review* 46: 618.
- Cochrane, 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.
- Cochrane, 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: 273–282.
- Colleran, B.P., and K.E. Goodall. 2014. In situ growth and rapid response management of flood-dispersed Japanese Knotweed (*Fallopia japonica*). *Invasive Plant Science and Management* 7: 84–92.
- Colleran, B.P., S.N. Lacy, and M.R. Retamal. 2020. Invasive Japanese knotweed (*Reynoutria japonica* Houtt.) and related knotweeds as catalysts for streambank erosion. *River Research and Applications* 36: 1962–1969.
- Commission for Environmental Cooperation (CEC). 1997. *Ecological Regions of North America: Toward a Common Perspective*. Commission for Environmental Cooperation; Montreal.
- Committee on the Status of Endangered Wildlife in Canada (COSEWIC). 2007. COSEWIC Assessment and Update Status Report on the Wood Turtle, *Glyptemys insculpta* in Canada. COSEWIC; Ottawa.
- Committee on the Status of Endangered Wildlife in Canada (COSEWIC). 2018. COSEWIC Assessment and Status Report on the Wood Turtle *Glyptemys insculpta* in Canada. COSEWIC; Ottawa.
- Compton, B.W. 1999. Ecology and Conservation of the Wood Turtle (*Clemmys insculpta*) in Maine. Unpublished MS thesis, University of Maine; Orono.
- Compton, B.W., J.M. Rhymer and M. McCollough. 2002. Habitat selection by wood turtles (*Clemmys insculpta*): an application of paired logistic regression. *Ecology* 83: 833–843.
- Conant, R. 1938. The reptiles of Ohio. *American Midland Naturalist* 20: 1–200.

- Conant, R. 1942. Amphibians and reptiles from Dutch Mountain (Pennsylvania) and vicinity. *American Midland Naturalist* 27: 154–170.
- Conant, R. 1951. *The Reptiles of Ohio*. University of Notre Dame Press; Notre Dame.
- Conant, R. 1958. Notes on the herpetology of the Delmarva Peninsula. *Copeia* 1958: 50–52.
- Conant, R., and J.T. Collins. 1998. *Reptiles and Amphibians of Eastern and Central North America* (3rd ed). Houghton Mifflin Company; New York.
- Congdon, J.D., and R.C. van Loben Sels. 1991. Growth and body size in Blanding's turtles (*Emydoidea blandingii*): relationships to reproduction. *Canadian Journal of Zoology* 69: 239–245.
- Congdon, J.D., A.E. Dunham, and R.C. van Loben Sels. 1993. Delayed sexual maturity and demographics of Blanding's turtles (*Emydoidea blandingii*): implications for conservation and management of long-lived organisms. *Conservation Biology* 7: 826–833.
- Cook, R.P., D.K. Brotherton, J.L. Behler, and B.C. Ti. 2011. Minute Man National Historic Park Amphibian and Reptile Inventory. Natural Resource Technical Report NPS/NETN/NRTR—2011/505. U.S. Department of the Interior, National Park Service; Fort Collins, CO.
- Cooke, R. S.C., T.C. Gilbert, P. Riordan, and D. Mallon. 2018. Improving generation length estimates for the IUCN Red List. *PloS One* 13:e0191770.
- Cooper, J.E. 1949. Additional records for *Clemmys mublenbergii* from Maryland. *Herpetologica* 5: 75–76.
- Cope, E.D. 1899. Vertebrate remains from Port Kennedy bone deposits. *Journal of the Academy of Natural Sciences of Philadelphia*. Ser. 2. 11: 236–237.
- Crother, B.I. (chair). 2017. *Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in our Understanding*. Committee on Standard English and Scientific Names; Society for the Study of Amphibians and Reptiles.
- Curtis, J., and P. Vila. 2015. The ecology of the Wood Turtle (*Glyptemys insculpta*) in the Eastern Panhandle of West Virginia. *Northeastern Naturalist* 22: 387–402.
- Daigle, C. 1997. Size and characteristics of a wood turtle, *Clemmys insculpta*, population in Southern Québec. *Canadian Field-Naturalist* 111: 440–444.
- Daigle, C., and J. Jutras. 2005. Quantitative evidence of decline in a southern Québec wood turtle (*Glyptemys insculpta*) population. *Journal of Herpetology* 39: 130–132.
- Darwin, C. 1859. *On the Origin of Species by Means of Natural Selection, or the Preservation of Favored Races in the Struggle for Life*. John Murray; London.
- De Kay, J.E. 1842. *Zoology of New York, or the New-York Fauna—Reptiles and Amphibians*. D. Appleton & Co. and Wiley and Putnam; New York.
- De Voe, R., K. Geissler, S. Elmore, D. Rotstein, G. Lewbart, G. and J. Guy. 2004. Ranavirus-associated mortality and morbidity in a group of captive eastern box turtles (*Terrapene carolina carolina*). *Journal of Zoo and Wildlife Medicine* 35: 534–543.

- Deeming, D.C. 2004. Reptilian Incubation: Environment, Evolution, and Behavior. Nottingham University Press; Nottingham.
- Delcourt, P.A., and H.R. Delcourt. 1996. Quaternary paleoecology of the Lower Mississippi River Valley. *Engineering Geology* 45: 219–242.
- Denman, N.S., and I.S. Lapper. 1964. The herpetology of Mont St.-Hilaire, Rouville County, Québec, Canada. *Herpetologica* 20: 25–30.
- DesMeules, M.P. 1997. Historic and current status of turtles in Vermont. In T.F. Tynning (Ed.), *Status and Conservation of Turtles of the Northeastern United States*. Serpent's Tale; Lanesboro.
- Desroches, J.-F. and I. Picard. 2005. Mortalité des tortues sur les routes de l'Outaouais. *Naturaliste Canadien* 129: 35–41.
- Dickerson, D.D., K.J. Reine, and K.L. Herrmann. 1999. Sensitive turtle habitats potentially impacted by USACE reservoir operations. EMRRP Technical Note, EMRRP-SI-01.
- Dinkins, A. 1954. A brief observation on male combat in *Clemmys insculpta*. *Herpetologica* 10: 20.
- Ditmars, R.L. 1907. *The Reptile Book*. Doubleday, Page, & Co.; New York.
- Dobie, J.L., C.J. Leary, and J.A. Holman. 1996. A Pleistocene indigo snake, *Drymarchon corais*, from Bogue Chitto Creek, Dallas County, Alabama. *Journal of the Alabama Academy of Science* 67: 1–5.
- Dodd, Jr., C.K. 2001. *North American Box Turtles: A Natural History*. University of Oklahoma Press; Norman.
- Dolloff, C.A., and M.L. Warren, Jr. 2003. Fish relationships with large wood in small streams. *American Fisheries Society Symposium* 37: 179–193.
- Dowling, Z., T. Hartwig, E. Kiviat, and F. Keesing. 2010. Experimental management of nesting habitat for the Blanding's turtle (*Emydoidea blandingii*). *Ecological Restoration* 28: 154–159.
- Downs, E.F. 1987. Observations of the Graf collection of faunal remains from the Olsen site, Cushing, Maine. Privately published (see Rhodin 1995).
- Dragon, J. 2014. Habitat Selection, Movement, and Survival of Hatchling Wood Turtles (*Glyptemys insculpta*) in an Atypical Habitat. Unpublished MS thesis, George Mason University; Fairfax.
- Dragon, J., T. Akre, W. McShea, and J.D. Kleopfer. 2013. Post emergence behavior, habitat selection, and survival of neonatal wood turtles (*Glyptemys insculpta*) in an unusual landscape. Abstract, Northeast Partners in Amphibian and Reptile Conservation; Branchville.
- Drowne, F.P. 1905. *The reptiles and batrachians of Rhode Island*. Monograph 15, Roger Williams Park Museum; Providence.
- Dubois, Y., G. Blouin-Demers, and D. Thomas. 2008. Temperature selection in wood turtles (*Glyptemys insculpta*) and its implications for energetics. *Ecoscience* 15: 398–406.

- Dubois, Y., G. Blouin-Demers, B. Shipley, and D. Thomas. 2009. Thermoregulation and habitat selection in wood turtles *Glyptemys insculpta*: chasing the sun slowly. *Journal of Animal Ecology* 2009: 1023–1032.
- Duméril, A.M.C. 1806. *Zoologie Analytique, ou Méthode Naturelle de Classification des Animaux, Rendue plus Facile à l'Aide de Tableaux Synoptiques*. Allais; Paris.
- Duméril, A.M.C., and G. Bibron. 1834. *Erpétologie Générale, ou, Histoire Naturelle Complète des Reptiles*. Roret; Paris.
- Dunn, E.R. 1915. Amphibians and reptiles of Delaware County, Pennsylvania. 16: 2–4.
- Dunn, E.R. 1920. Two new Virginia records. *Copeia* 77: 8.
- D'Urban, W.S.M., and R. Bell. 1860. Contributions to Canadian Natural History. Extracted from the Report of the Geological Survey for 1858; Montreal.
- Erb, L., and M.T. Jones. 2011. Can turtle mortality be reduced in managed fields? *Northeastern Naturalist* 18: 489–496.
- Ernst, C.H. 1972. *Clemmys insculpta*. *Catalog of American Amphibians and Reptiles* 125: 1–2.
- Ernst, C.H. 1973. The distribution of the turtles of Minnesota. *Journal of Herpetology* 7: 42–47.
- Ernst, C.H. 1986. Environmental temperatures and activities in the wood turtle, *Clemmys insculpta*. *Journal of Herpetology* 20: 222–229.
- Ernst, C.H. 2001a. An overview of the North American turtle genus *Clemmys* Ritgen, 1828. *Chelonian Conservation and Biology* 4: 211–216.
- Ernst, C.H. 2001b. Some ecological parameters of the Wood turtle, *Clemmys insculpta*, in southeastern Pennsylvania. *Chelonian Conservation and Biology* 4: 94–99.
- Ernst, C.H., and R.W. Barbour. 1972. *Turtles of the United States*. University Press of Kentucky; Lexington.
- Ernst, C.H., and J.E. Lovich. 2009. *Turtles of the United States and Canada*. Johns Hopkins University Press; Baltimore.
- Ernst, C.H. and J.F. McBreen. 1991. Wood turtle. In K. Terwilliger (coordinator), *Virginia's Endangered Species: Proceedings of a Symposium*. The McDonald and Woodward Publishing Company; Blacksburg.
- Ewert, M.A. 1985. Assessment of the Current Distribution and Abundance of the Wood Turtle (*Clemmys insculpta*) in Minnesota and Along the St. Croix National Scenic Waterway in Wisconsin. Unpublished Report to the Nature Conservancy and Minnesota Department of Natural Resources.
- Ewert, M.A. and C.E. Nelson. 1991. Sex determination in turtles: diverse patterns and some possible adaptive values. *Copeia* 1991: 50–69.
- Evermann, B.W. 1918. Notes on some reptiles and amphibians of Pike County, Pennsylvania. *Copeia* 58: 66–67.
- Farrar, J.L. 1995. *Trees in Canada*. Smithsonian Institution Press; Washington, D.C.

- Farrell, R.F. and T.E. Graham. 1991. Ecological notes on the turtle *Clemmys insculpta* in northwestern New Jersey. *Journal of Herpetology* 25: 1–9.
- Feldman, C.R. and J.F. Parham. 2002. Molecular phylogenetics of Emydine turtles: Taxonomic revision and the evolution of shell kinesis. *Molecular Phylogenetics and Evolution* 22: 388–398.
- Fenneman, N.M., and D.W. Johnson. 1946. *Physiographic Divisions of the Conterminous U.S. United States Geological Survey*; Reston.
- Ficheux, S., A. Olivier, R. Fay, A. Crivelli, A. Besnard, and A. Béchet. 2014. Rapid response of a long-lived species to improved water and grazing management: The case of the European pond turtle (*Emys orbicularis*) in the Camargue, France. *Journal for Nature Conservation* 22: 342–348.
- Fischer, S.L., L.L. Jaskiewicz, and C.N. Lapin. 2017. *Glyptemys insculpta* (Wood Turtle). Female-female aggression at nest site. *Herpetological Review* 48: 835.
- Figueras, M., and R.L. Burke. 2017. *Glyptemys insculpta* (Wood Turtle). Long-term sperm storage. *Herpetological Review* 48: 175.
- Finneran, L.C. 1948. Reptiles at Branford, Connecticut. *Herpetologica* 4: 123–126.
- Fisher, J.L. 2018. Archaeology and biogeography of the Western Pond Turtle (*Actinemys marmorata*) in the Puget Sound Region. *Ethnobiology Letters* 9: 180–188.
- Fletcher R., and M.J. Fortin 2018. Introduction to Spatial Ecology and Its Relevance for Conservation. In: *Spatial Ecology and Conservation Modeling: Applications with R*. Springer.
- Floyd, T.A., C. MacInnis, and B.R. Taylor. 2008. Effects of artificial woody structures on Atlantic salmon habitat and populations in a Nova Scotia stream. *River Research and Applications* 25: 272–282.
- Fogg, B.F. 1862. List of reptiles and amphibians found in the state of Maine. *Proceedings of the Portland Society of Natural History* 1: 86.
- Foley, M.M., F.J. Magilligan, C.E. Torgersen, J.J. Major, C.W. Anderson, P.J. Connolly, D. Wiefelich, P.B. Shafroth, J.E. Evans, D. Infante, and L.S. Craig. 2017. Landscape context and the biophysical response of rivers to dam removal in the United States. *PLoS ONE* 12: e0180107.
- Foscarini, D.A. 1994. Demography of the wood turtle (*Clemmys insculpta*) and habitat selection in Maitland River valley. Unpublished MS thesis, University of Guelph; Guelph, Ontario.
- Foscarini, D.A., and R.J. Brooks. 1997. A proposal to standardize data collection and implications for management of the wood turtle, *Clemmys insculpta*, and other freshwater turtles in Ontario, Canada. In *Proceedings: Conservation, Restoration, and Management of Tortoises and Turtles – An International Conference*. New York Turtle and Tortoise Society; New York.
- Foster, D.R. (Ed.). 2014. *Hemlock: A Forest Giant on the Edge*. Yale University Press; New Haven.
- Franek, B.L., and M.R. Ruziecki. 2018. *Glyptemys insculpta* (Wood Turtle) Rail trail nesting challenges. *Herpetological Review* 49: 318.

- Franz, R.L., and R.I. Quitmeyer. 2005. A fossil and zooarchaeological history of the gopher tortoise (*Gopherus*) in the southeastern United States. Florida Museum of Natural History Bulletin 45: 179–200.
- Frazier, M.K. 1985. Paleontology study. In: G. Muto, and J. Gunn (Eds.), A Study of Late Quaternary Environments and Early Man Along the Tombigbee River, Alabama and Mississippi; Volume 4, Appendix C. Benham Blair and Affiliates; Oklahoma City.
- Fridgen, C., L. Finnegan, C. Reaume, J. Cebek, J. Trottier, and P.J. Wilson. 2013. Conservation genetics of wood turtle (*Glyptemys insculpta*) populations in Ontario, Canada. Herpetological Conservation and Biology 8: 351–358.
- Fritz, U., C. Schmidt, and C.H. Ernst. 2011. Competing generic concepts for Blanding's, Pacific and European pond turtles (*Emydoidea*, *Actinemys*, and *Emys*)—Which is best? Zootaxa 2791: 41–53.
- Fritz, U., D. Ayaz, A.K. Hundsdörfer, T. Kotenko, M. Wink, C.V. Tok, and J. Buschbom. 2009. Mitochondrial diversity of European pond turtles (*Emys orbicularis*) in Anatolia and the Ponto-Caspian region: multiple old refuges, hotspot of extant diversification and critically endangered endemics. Organisms Diversity & Evolution 9: 100–114.
- Gaffney, E.S., and P.A. Meylan. 1988. A phylogeny of turtles. In M.J. Benton, M.J. (Ed.), The Phylogeny and Classification of Tetrapods (Vol. 1), Amphibians, Reptiles, and Birds. Systematics Association Special Volume 35A. Clarendon Press; Oxford.
- Galbraith, D.A. 1993. Review: multiple paternity and sperm storage in turtles. Herpetological Journal 3: 117–124.
- Gammons, F. 1871. How the sculpted turtle (*Glyptemys insculpta*) deposits her eggs. American Naturalist 4:53.
- Garber, S.D. 1989a. A comparison of two populations of *Clemmys insculpta*, the North American Wood turtle. Plastron Papers 19: 32–35.
- Garber, S.D. 1989b. Population ecology of the wood turtle (*Clemmys insculpta*) Pages 31–35 in M.J. Rosenberg (Ed.), Proceedings, 12th International Herpetological Symposium; Thurmont.
- Garber, S.D., and J. Burger. 1995. A 20-yr study documenting the relationship between turtle decline and human recreation. Ecological Applications 5: 1151–1162.
- Gephard, S., and J.R. McMenemy. 2004. An overview of the program to restore Atlantic salmon and other diadromous fishes to the Connecticut River with notes on the current status of these species in the river. American Fisheries Society Monograph 9: 287–317.
- Gibbs, J.P. and W.G. Shriver. 2002. Estimating the effects of road mortality on turtle populations. Conservation Biology 16: 1647–1652.
- Gibbs, J.P., A.R. Breisch, P.K. Ducey, G. Johnson, J.L. Behler, and R.A. Bothner. 2007. The Amphibians and Reptiles of New York State: Identification, Life History, and Conservation. Oxford University Press; New York.
- Gilhen, J. and B. Grantmyre. 1973. The wood turtle, *Clemmys insculpta* (Le Conte): An addition to the Herpetofauna of Cape Breton Island, Nova Scotia. Canadian Field- Naturalist 87: 308–310.

- Goldfarb, B. 2018. *Eager: The Surprising, Secret Life of Beavers and Why They Matter*. Chelsea Green Publishing; White River Junction.
- Gräf, A., J. Gilhen, and J. D. Adams. 2003. The wood turtle at River Denys: a second population for Cape Breton Island, Nova Scotia. *Canadian Field-Naturalist* 117: 415–418.
- Gray, J.E. 1831. *Synopsis Reptilium, or Descriptions of the Species of Reptiles*. Treuttel, Wurtz, and Co.; London.
- Graham, T.E., and J.E. Forsberg. 1991. Aquatic oxygen uptake by naturally wintering wood turtles *Clemmys insculpta*. *Copeia* 1991: 836–838.
- Greaves, W.F., and J.D. Litzgus. 2007. Overwintering ecology of wood turtles (*Glyptemys insculpta*) at the species' northern range limit. *Journal of Herpetology* 41: 32–40.
- Greaves, W.F., and J.D. Litzgus. 2008. Chemical, thermal, and physical properties of sites selected for overwintering by northern wood turtles (*Glyptemys insculpta*). *Canadian Journal of Zoology* 86: 659–667.
- Greaves, W.F., and J.D. Litzgus. 2009. Variation in life-history characteristics among populations of North American wood turtles: a view from the north. *Journal of Zoology* 279: 298–309.
- Green, K.C. and C.J. Westbrook. 2009. Changes in riparian area structure, channel hydraulics, and sediment yield following loss of beaver dams. *British Columbia Journal of Ecosystems and Management* 10: 68–79.
- Greer, A.E., Jr., T.S. Doyle, and P. Arnold 1973. An annotated checklist of the amphibians and reptiles of Concord, Carlisle, and Bedford, Massachusetts. Harvard University, Cambridge, Mass., Concord Field Station, Guide to Resources No. 4.
- Gregory, K.J., and R.J. Davis. 1992. Coarse woody debris in stream channels in relation to river channel management in woodland areas. *Regulated Rivers: Research and Management* 7: 117–136.
- Grismer, L.L. 2002. *Amphibians and Reptiles of Baja California, Including its Pacific Islands and the Islands in the Sea of Cortés*. University of California Press; Berkeley.
- Grogan, W.L., R.A. Saumure, J. Maceachern, L. Allen, and M.D. Pulsifer. 2009. *Glyptemys insculpta* (wood turtle). Ectoparasites. *Herpetological Review* 40: 333–334.
- Harding, J.H. 1991. A twenty year wood turtle study in Michigan: implications for conservation. In K.R. Beaman, F. Caporaso, S. McKeownand, and M.D. Graff (Eds), *Proceedings of the First International Symposium on Turtles and Tortoises: Conservation and Captive Husbandry*. Chapman University; Orange.
- Harding, J.H. 1997. *Amphibians and Reptiles of the Great Lakes Region*. University of Michigan Press; Ann Arbor.
- Harding, J.H. 2008. Wood turtles, humans, and raccoons: burning the candle at both ends. *World Chelonian Trust Newsletter* 3: 1–4.
- Harding, J.H., and T.J. Bloomer. 1979. The Wood turtle, *Clemmys insculpta* . . . a natural history. *Bulletin of the New York Herpetological Society* 15: 9–26.

- Harding, J.H. and S.K. Davis. 1999. *Clemmys insculpta* (wood turtle) and *Emydoidea blandingii* (Blanding's turtle). Hybridization. *Herpetological Review* 30: 225–226.
- Harding, J.H. and J.A. Holman. 1990. Michigan Turtles and Lizards: A Field Guide and Pocket Reference. Michigan State University; East Lansing.
- Harless, M.L., A.D. Walde, D.K. Delaney, L.L. Pater, and W.K. Hayes. 2010. Sampling considerations for improving home range estimates of Desert Tortoises: Effects of estimator, sampling regime, and sex. *Herpetological Conservation and Biology* 5: 374–387.
- Harris, H.S. 1975. Distribution survey (Amphibia/Reptilia): Maryland and the District of Columbia. *Bulletin of the Maryland Herpetological Society* 11: 73–170.
- Hartzell, S.M. 2017. *Glyptemys insculpta* (Wood Turtle) and *Graptemys geographica* (Northern Map Turtle). Interspecific basking. *Herpetological Review* 48: 622.
- Hartzell, S. M., and M. B. Hartzell. 2016. *Terrapene carolina carolina* (Woodland Box Turtle) and *Glyptemys insculpta* (Wood Turtle). Interspecific basking. *Herpetological Review* 48: 622.
- Hay, W.P. 1902. A list of the batrachians and reptiles of the District of Columbia and vicinity. *Proceedings of the Biological Society of Washington* 14: 121–145.
- Hay, O.P. 1908. Fossil Turtles of North America. Publications of the Carnegie Institution No. 75; Washington, D.C.
- Hay, O.P. 1923. The Pleistocene of North America and its Vertebrated Animals from the States East of the Mississippi River and from the Canadian Provinces East of Longitude 95°. Publications of the Carnegie Institution No. 322; Washington, D.C.
- Henshaw, H.W. 1907. An extension of the range of the Wood Tortoise. *Proc. Biol. Soc. Washington* 20: 65
- Heward, A.D.B., and D.F. McAlpine. 1994. Wood turtle in New Brunswick. *Chickadee Notes* No. 11. New Brunswick State Museum; Saint John.
- Hill, M.G. 2020. A late Pleistocene wood turtle from Southeastern Iowa. Manuscript in preparation.
- Holbrook, J.E. 1836. North American Herpetology, or, A description of the reptiles inhabiting the United States. 1st Edition, Vol. I. J. Dobson; Philadelphia.
- Holbrook, J.E. 1838a. North American Herpetology, or, A description of the reptiles inhabiting the United States. 1st Edition, Vol. II. J. Dobson; Philadelphia.
- Holbrook, J.E. 1838b. North American Herpetology, or, A description of the reptiles inhabiting the United States. 1st Edition, Vol. III. J. Dobson; Philadelphia.
- Holbrook, J.E. 1840. North American Herpetology, or, A description of the reptiles inhabiting the United States. 1st Edition, Vol. IV. J. Dobson; Philadelphia.
- Holman, J.A. 1967. A Pleistocene herpetofauna from Ladds, Georgia. *Bulletin of the Georgia Academy of Science* 25: 154–166.
- Holman, J. A. 1985a. Herpetofauna of Ladds Quarry. *National Geographic Research* 1(3): 423–436.

- Holman, J. A. 1985b. New evidence on the status of Ladds Quarry. *National Geographic Research* 1(4): 569–570.
- Holman, J.A. 2012. *Amphibians and Reptiles of Michigan. A Quaternary and Recent Faunal Adventure*. Wayne State University Press; Detroit.
- Holman, J.A., and S.G. Clouthier. 1995. Pleistocene herpetofaunal remains from the East Milford mastodon site (ca. 70,000–80,000 BP), Halifax County, Nova Scotia. *Canadian Journal of Earth Sciences* 32: 210–215.
- Holman, J.A., and R.M. Sullivan. 1981. A small herpetofauna from the type section of the Valentine Formation (Miocene: Barstovian), Cherry County, Nebraska. *Journal of Paleontology* 55: 138–144.
- Holman, J.A., and U. Fritz. 2001. A new emydine species from the Medial Miocene (Barstovian) of Nebraska, USA with a new generic arrangement for the species of *Clemmys* sensu McDowell (1964) (Reptilia: Testudines: Emydidae). *Zoologische Abhandlungen Staatliches Museum für Tierkunde* 51: 331–354.
- Howeth, J.G., and W.S. Brown. 2011. *Terrapene coahuila* Schmidt and Owens 1944 — Coahuilan Box Turtle. In: A.G.J. Rhodin et al. (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: 049.1–049.13.
- Howe, D.E. 1988. The Beaver Meadow site: prehistory on the west bank at Sewall's Falls, Concord, New Hampshire. *New Hampshire Archeology* 29: 48–107.
- Huang, H., J.M. Winter, E.C. Osterberg, R.M. Horton, and B. Beckage. 2017. Total and extreme precipitation changes over the Northeastern United States. *Journal of Hydrometeorology* 18: 1783–1798.
- Hughes, G.N., and J.D. Litzgus. 2019. Impact of natural resource extraction on thermal properties of wood turtle (*Glyptemys insculpta*) habitat. *Journal of Thermal Biology* 84: 469–478.
- Hughes, G.N., L. Monck-Whipp, and J.D. Litzgus. 2016. *Glyptemys insculpta* (Wood turtles). Potential anting behavior. *Herpetological Review* 47: 445–446.
- Hulse, A.C., and E.J. Routman. 1982. Leech (*Placobdella parasitica*) infestations on the wood turtle, *Clemmys insculpta*. *Herpetological Review* 13: 116–117.
- Hunter, M. L., A. J. K Calhoun, and M. McCollough. 1999. *Maine Amphibians and Reptiles*. University of Maine Press; Orono.
- Huntington, F.W., and L.C. Shaw. 1982. Turtle remains. In: F.W. Huntington (Ed.), *Preliminary Report on the Excavation of Flagg Swamp Rockshelter*. Institute for Conservation Archaeology Publ. 214; Cambridge.
- Huse, W.H. 1901. The Testudinata of New Hampshire. *Proceedings of the Manchester (NH) Institute of Arts and Sciences* 2: 47–51.
- Iverson, J.B. *A Revised Checklist with Distribution Maps of the Turtles of the World*. Privately printed; Richmond, Indiana.

- Jackson, Jr., C.G., and J.M. Kaye. 1974b. The occurrence of Blanding's turtle, *Emydoidea blandingii*, in the late Pleistocene of Mississippi (Testudines: Testudinidae). *Herpetologica* 30: 417–419.
- Johnson, A.J., A.P. Pessier, J.F.X. Wellehan, A. Childress, T.M. Norton, N.L. Stedman, D.C. Bloom, W. Belzer, V.R. Titus, R. Wagner, J.W. Brooks, J. Spratt, and E.R. Jacobson. 2008. *Ranavirus* infection of free-ranging and captive box turtles and tortoises in the United States. *Journal of Wildlife Diseases* 44: 851–863.
- Johnson, B., A.F. Badje, and R.A. Staffen. 2015. *Glyptemys insculpta* (Wood Turtle). Geographic Distribution. *Herpetological Review* 46: 564
- Jones, M.T. 2009. Spatial Ecology and Conservation of the Wood Turtle (*Glyptemys insculpta*) in Central New England. Unpublished Ph.D. dissertation, University of Massachusetts; Amherst.
- Jones, M.T. 2010. Wood turtles—the old ones yet among us. *Massachusetts Wildlife* 60: 4–13.
- Jones, M.T., and B.W. Compton. 2010. *Glyptemys insculpta* (Wood Turtle). Maximum adult size. *Herpetological Review* 41: 71.
- Jones, M.T., and P.R. Sievert. 2008. Distribution, Status, and Behavioral Ecology of Wood Turtles in Western Massachusetts: A Four-Year Study. 2007 Annual Report prepared for the Massachusetts Natural Heritage and Endangered Species Program; Westborough.
- Jones, M.T., and P.R. Sievert. 2009a. Effects of stochastic flood disturbance on adult wood turtles, *Glyptemys insculpta*, in Massachusetts. *Canadian Field-Naturalist* 123: 313–322.
- Jones, M.T., and P.R. Sievert. 2009b. *Glyptemys insculpta* (Wood Turtle). Diet. *Herpetological Review* 40: 433–434.
- Jones, M.T., and P.R. Sievert. 2009c. *Glyptemys insculpta* (Wood Turtle). Reproduction and Diet. *Herpetological Review* 40: 434.
- Jones, M.T., and P.R. Sievert. 2011. Assessment of Bank Stabilization and Agriculture in Wood Turtle Habitat on the Lower Deerfield River, Massachusetts. Report submitted to the Massachusetts Natural Heritage and Endangered Species Program; Westborough.
- Jones, M.T., and L.L. Willey. 2013a. Quantitative Assessment of Five Wood Turtle Populations in New Hampshire. Report prepared for New Hampshire Fish and Game Department; Concord.
- Jones, M.T., and L.L. Willey. 2013b. Long-term, Quantitative Population Assessment and Priority Site Identification for Wood Turtles in Northern and Western Maine. Report prepared for the Maine Department of Inland Fisheries and Wildlife; Augusta.
- Jones, M.T., and L.L. Willey. 2020. Cross-watershed dispersal and annual movement in adult Wood Turtles (*Glyptemys insculpta*). *Herpetological Review* 51: 208–211.
- Jones, M.T., H.P. Roberts, and L.L. Willey. 2018. Conservation Plan for the Wood Turtle in the Northeastern United States. Report to the Massachusetts Division of Fisheries & Wildlife and the U.S. Fish & Wildlife Service; Westborough.
- Jones, M.T., L.L. Willey, T.S.B. Akre, and P.R. Sievert. 2015. Status and Conservation of the Wood Turtle in the Northeastern United States. Prepared for the Northeast Association of Fish and Wildlife Agencies.

- Jones, M.T., L.L. Willey, P.R. Sievert, and A.M. Richmond. 2019. Reassessment of Agassiz's wood turtle collections reveals significant change in body size and growth rates. *Herpetological Conservation and Biology* 14: 41–50.
- 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: 56–59.
- Kapfer, J.M., and D.J. Brown (Eds.). In press. *Amphibians and Reptiles of Wisconsin*. University of Wisconsin Press; Madison.
- Kaufmann, J.H. 1986. Stomping for earthworms by wood turtles, *Clemmys insculpta*: a newly discovered foraging technique. *Copeia* 1986: 1001–1004.
- Kaufmann, J.H. 1992a. The social behavior of wood turtles, *Clemmys insculpta*, in central Pennsylvania. *Herpetological Monographs* 6: 1–25.
- Kaufmann, J.H. 1992b. Habitat use by wood turtles in central Pennsylvania. *Journal of Herpetology* 26: 315–321.
- Kaufmann, J.H. 1995. Home ranges and movements of wood turtles, *Clemmys insculpta*, in central Pennsylvania. *Copeia* 1995: 22–27.
- Kaufmann, J.H., J.H. Harding, and K.N. Brewster. 1989. Worm stomping by turtles revisited. *Bulletin of the Chicago Herpetological Society* 24: 125–126.
- Kaye, J.M. 1974a. Compositional sorting of topographically high Tennessee River gravels: A glacial hypothesis. *Geology* 2: 45–47.
- Kaye, J.M. 1974b. Pleistocene sediment and vertebrate fossil associations in the Mississippi Black Belt: A genetic approach. Unpublished Ph.D. dissertation, Louisiana State University; Baton Rouge.
- Kie, J.G., J. Matthiopoulos, J. Fieberg, R.A. Powell, F. Cagnacci, M.S. Mitchell, J.-M. Gaillard, and P.R. Moorcroft. 2010. The home-range concept: are traditional estimators still relevant with modern telemetry technology? *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences* 365: 2221–2231.
- Kiester, A.R., and L.L. Willey. 2015. *Terrapene carolina* Linnaeus 1758 — Eastern Box Turtle, Common Box Turtle. In: A.G.J. Rhodin et al. (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: 085.1–25.
- Kipp, R.L., 2003. Nesting ecology of the eastern box turtle (*Terrapene carolina carolina*) in a fragmented landscape. University of Delaware; Newark.
- Kirkpatrick, D.T., and C. Kirkpatrick. 1996. Stomping for earthworms by *Clemmys insculpta* in captivity. *Bulletin of the Chicago Herpetology Society*, 31: 21–22.
- Kiviat, E., and J.G. Barbour. 1996. Wood turtles, *Clemmys insculpta*, in the fresh-tidal Hudson River. *Canadian Field-Naturalist* 110: 341–343.
- Klemens, M.W. 1989. The methodology of conservation. In I.R. Swingland and M.W. Klemens (Eds.), *The Conservation Biology of Tortoises*. Occasional Papers of the IUCN/SSC Vol. 5.

- Klemens, M.W. 1993. Amphibians and Reptiles of Connecticut and Adjacent Regions. State Geological and Natural History Survey of Connecticut - Bulletin No. 112.
- Klemens, M.W. 2000. Turtle Conservation. Smithsonian Institution Press; Washington, D.C.
- Klippel, W. F., P. W. Parmalee, R. Burgess, G. Crites, and W. Dickinson. 1982. The Paleontology of Cheek Bend Cave, Maury County, Tennessee: Phase II report to the Tennessee Valley Authority. Tennessee Valley Authority; Chattanooga.
- Koffler, B.R., R.A. Seigel and M.T. Mendonca. 1978. The seasonal occurrence of leeches on the Wood turtle, *Clemmys insculpta* (Reptilia, Testudines, Emydidae). Journal of Herpetology 12: 571–572.
- Kordiyak, D.J. 1981. Vegetational Analysis of the Floodplain Forests and a Floristic Survey of Van Loon Wildlife Area. Unpublished MS thesis; University of Wisconsin; La Crosse.
- Krinitzky, E.L., and W.J. Turnbull. 1967. Loess deposits of Mississippi. Geological Society of America Special Papers 94: 1–64.
- Lagler, K.F. 1943. Food habits and economic relations of the turtles of Michigan with special reference to game management. American Midland Naturalist 29: 257–312.
- Lapin, C.N., T. Bougie, and J. Woodford. 2015. Upper Midwest Riverine Turtle Habitat Improvement. Final Project Report.
- Lapin, C.N., J.W. Tamplin, M.M. Cochrane, J.E. Woodford, D.J. Brown, and R.A. Moen. 2019. A regional analysis of *Glyptemys insculpta* (Wood Turtle) survival in the Upper Midwest of the USA. Herpetological Conservation and Biology 14: 668–679.
- Latham, R. 1971. Dead wood turtles found on eastern Long Island. Engelhardtia 4: 32.
- Lazell, J.D. 1976. This Broken Archipelago: Cape Cod and the Islands, Amphibians and Reptiles. Quadrangle/New York Times Book Co.
- Le Conte, J. 1830. Description of the Species of North American Tortoises. Annals of the Lyceum of Natural History of New York 3: 91–131.
- Lee, Y. 1999. Special animal abstract for *Glyptemys insculpta* (Wood Turtle). Michigan Natural Features Inventory.
- Legler, J.M., and R.C. Vogt. 2013. The Turtles of Mexico: Land and Freshwater Forms. University of California Press; Berkeley.
- Lenhart, C.F., M.L. Titov, J.S. Ulrich, J.L. Nieber, and B.J. Suppes. 2013. The role of hydrologic alteration and riparian vegetation dynamics in channel evolution along the lower Minnesota River. Transactions of the American Society of Agricultural and Biological Engineers 56: 549–561.
- Lenk, P., U. Fritz, U. Joger, and M. Wink. 1999. Mitochondrial phylogeography of the European pond turtle, *Emys orbicularis* (Linnaeus 1758). Molecular Ecology 1999: 1911–1922.
- Literman, R., S. Radhakrishnan, J.W. Tamplin, R. Burke, C. Dresser, and N Valenzuela. 2017. Development of sexing primers in *Glyptemys insculpta* and *Apalone spinifera* reveals an XX/XY sex-determining system in the critically-endangered bog turtle *Glyptemys mublenbergii*. Conservation Genetics Resources 9: 1–8.

- Lisk, J., B. Windmiller, C. McElroy, E. Wilder, and M. Kamm. 2020. Conservation Management of Wood Turtle (*Glyptemys insculpta*) Populations in Northeastern Massachusetts. 2020 Annual Report to the Massachusetts Division of Fisheries and Wildlife; Westborough.
- Litzgus, J.D., and R.J. Brooks. 1996. Status of the Wood Turtle, *Clemmys insculpta*, in Canada. Unpublished COSEWIC report.
- Liu, Y., C.M. Davy, H.-T. Shi, and R.W. Murphy. 2013. Sex in the half-shell: A review of the functions and evolution of courtship behavior in freshwater turtles. *Chelonian Conservation and Biology* 12: 84–100.
- Logier, E.B.S. 1939. The Reptiles of Ontario. Royal Ontario Museum of Zoology; Toronto.
- Logier, E.B.S., and G.C. Toner. 1961. Check List of the Amphibians and Reptiles of Canada and Alaska. Royal Ontario Museum; Toronto.
- Lovich, J.E., C.H. Ernst, and J.F. McBreen. 1990. Growth, maturity, and sexual dimorphism in the wood turtle, *Clemmys insculpta*. *Canadian Journal of Zoology* 68: 672–677.
- Lovich, J.E., A.F. Laerzahl, C.H. Ernst, and J.F. McBreen. 1991. Relationships among turtles of the genus *Clemmys* (Reptilia, Testudines, Emydidae) as suggested by plastron scute morphology. *Zoologica Scripta* 20: 425–429.
- Lundelius, Jr., E.L. 1989. The implications of disharmonious assemblages for Pleistocene extinctions. *Journal of Archaeological Science* 16: 407–417.
- Lyell, C. 1830. Principles of Geology: being an attempt to explain the former changes of the Earth's surface, by reference to causes now in operation. Vol. I. John Murray; London.
- Marchand, M.N. 2019. *Chrysemys picta* (Painted Turtle). Predation. *Herpetological Review* 50: 770–771.
- Marchand, K.A., G.N. Hughes, and J.D. Litzgus. 2018. Geographic variation in somatic growth rate of Wood Turtles (*Glyptemys insculpta*). *Copeia* 2018: 477–484.
- Marchand, M.N. and J.A. Litvaitis. 2004. Effects of habitat features and landscape composition on the population structure of a common aquatic turtle in a region undergoing rapid development. *Conservation Biology* 18: 758–767.
- Markle, C.E., S.D. Gillingwater, R. Levick, and P. Chow-Fraser. 2017. The true cost of partial fencing: Evaluating strategies to reduce reptile road mortality. *Wildlife Society Bulletin* 41: 342–350.
- Markle, T., K. Larson, C. Hall, and B. Perry. 2019. GPS tracking, nest protection, and headstarting in Minnesota Wood Turtles (*Glyptemys insculpta*). In Spotted, Blanding's and Wood Turtle Working Groups. 2019. Abstracts from the 2019 Spotted, Blanding's, and Wood Turtle Conservation Symposium (November 2019); Berkeley Springs.
- Martin, B.T., N.P. Bernstein, R.D. Birkhead, J.F. Kouk, S.M. Mussman, and J.S. Placyk, Jr. 2013. Sequence-based molecular phylogenetics and phylogeography of the American box turtles (*Terrapene* spp.) with support from DNA barcoding. *Molecular Phylogenetics and Evolution* 68: 119–134.

- Martin, B.T., T.K. Chafin, M.R. Douglas, J.S. Placyk, Jr., R.D. Birkhead, C.A. Phillips, and M.E. Douglas. 2020. Machine learning substantiates biologically meaningful species delimitations in the phylogenetically complex North American box turtle genus *Terrapene*. bioRxiv.
- McAlpine, D.F. and S.H. Gerriets. 1999. Using the internet to establish the status of an easily distinguished, vulnerable species, the wood turtle (*Clemmys insculpta*) in New Brunswick, Canada. *Herpetological Review* 30: 139–140.
- McCauley, R.H. 1945. The reptiles of Maryland and the District of Columbia. Privately published.
- McCoard, K.R.P., N.S. McCoard, P.J. Turk, and J.T. Anderson. 2016. Habitat characteristics that influence the occurrence of Wood Turtles at the southern limits of their range in the central Appalachians. 50: 381–387.
- McCoard, K.R.P., N.S. McCoard, and J.T. Anderson. 2018. Observations of Wood Turtle activity, diet, movements, and morphometrics in the central Appalachians. *Northeastern Naturalist* 25: 513–531.
- McCoy, C.J. 1982. Amphibians and Reptiles in Pennsylvania: Checklist, Bibliography, and Atlas of Distribution. Special Publication of the Carnegie Museum of Natural History 6: 1–91.
- McCullough, M. 1997. Status and conservation of turtles in Maine. In T.F. Tynning (Ed.), *Status and Conservation of Turtles of the Northeastern United States*. Serpent's Tale Natural History Books; Lanesboro.
- McCullum, D. 2016. Wood Turtle Mass Mortalities in New Brunswick, Canada. *In American Turtle Observatory (ATO)*, Abstracts from the 2016 Blanding's & Wood Turtle Conservation Symposium; Westborough.
- McDonald, J.N., C.E. Ray, and F. Grady. 1996. Pleistocene caribou (*Rangifer tarandus*) in the eastern United States: New records and range extensions. In: K.M. Stewart and K.L. Seymour (Eds.), *Palaeoecology and Palaeoenvironments of Late Cenozoic Mammals: Tributes to the Career of C.S. (Rufus) Churcher*. University of Toronto; Buffalo.
- McDowell, S.B. 1961. On the major arterial canals in the ear region of testudinoïd turtles and the classification of the Testudinoidea. *Bulletin of the Museum of Comparative Zoology* 125: 23–39.
- McKinstry, D.M., R. McPherson, and N. McAllister. 1987. Herpetology of Presque Isle State Park, Erie, Pennsylvania. *Bulletin of the Maryland Herpetological Society* 23: 58–64.
- Mearns, E.A. 1898. A study of the vertebrate fauna of the Hudson Highlands, with observations on the Mollusca, Crustacea, Lepidoptera, and Flora of the region. *Bulletin of the American Museum of Natural History* 10: 302–352.
- Mendel, G. 1865. Versuche über pflanzen-hybriden. *Proceedings of the Natural History Society of Brünn (Verhandlungen des naturforschenden Vereines in Brünn) 1865: 3–47.*
- Michell, K., and R.G. Michell. 2015. Use of radio-telemetry and recapture to determine the success of head-started Wood Turtles (*Glyptemys insculpta*) in New York. *Herpetological Conservation and Biology* 10: 525–534.
- Miller, R.W. 1993. Comments on the distribution of *Clemmys insculpta* on the coastal plain of Maryland. *Herpetological Review* 24: 90–93.

- Minnesota Department of Natural Resources. 1979. Cannon River Resource Analysis. Wild and Scenic Rivers Program. At website: <https://www.leg.state.mn.us/docs/pre2003/other/791192.pdf>
- Mitchell, J.C. 1994. The Reptiles of Virginia. Smithsonian Institution Press; Washington, D.C.
- Mitchell, J.C., and R.F. Mueller. 1996. *Clemmys insculpta* (wood turtle): reproductive behavior. Herpetological Review 27: 197.
- Mitchell, J.C., and J. Pilcicki. 2000. The wood turtle (*Clemmys insculpta*) in eastern Fairfax County, Virginia. Catesbeiana 20: 34–38.
- Mitchell, J.C., and K.K. Reay. 1999. Atlas of amphibians and reptiles in Virginia. Special publication no. 1 Virginia Department of Game and Inland Fisheries; Richmond.
- Mitchell, J.C., P.W.C. Paton, and C.J. Raithel. 2008. The importance of vernal pools to reptiles, birds, and mammals. In A.K. Calhoun and P. deMaynadier (Eds.), Science and Conservation of Vernal Pools in Northeastern North America. CRC Press; Boca Raton.
- Mitchell, J. C., A. R. Breisch, and K.A. Buhlmann. 2006. Habitat Management Guidelines for Amphibians and Reptiles in the Northeastern United States. Partners in Amphibian and Reptile Conservation (PARC) Technical Publication HMG-3; Montgomery.
- Mohr, C.O. 1947. Table of equivalent populations of North American small mammals. American Midland Naturalist 37: 223–249.
- Montiel, E.E., D. Badenhorst, J. Tamplin, R.L. Burke, and N. Valenzuela. 2016. Discovery of the youngest sex chromosomes reveals first case of convergent co-option of ancestral autosomes in turtles. Chromosoma 126: 105–113.
- Mothes, C.C., H.J. Howell, and C.A. Searcy. 2020. Habitat suitability models for the imperiled Wood Turtle (*Glyptemys insculpta*) raise concerns for the species' persistence under future climate change. Global Ecology and Conservation 24.
- Mullin, D.I. 2019. Evaluating the Effectiveness of Headstarting for Wood Turtle (*Glyptemys insculpta*) Population Recovery. Unpublished MS thesis, Laurentian University; Sudbury.
- Mullin, D.I., R.C. White, J.L. Mullen, J.K. Walton, and J.D. Litzgus. 2018. *Glyptemys insculpta* (Wood Turtle). Predation. Herpetological Review 49: 106–107.
- Mullin, D.I., R.C. White, A.M. Lentini, R.J. Brooks, K.R. Bériault, and J.D. Litzgus. 2020. Predation and disease limit population recovery following 15 years of headstarting an endangered freshwater turtle. Biological Conservation 245, 108496.
- Murphy, D. 2013. Process for soliciting, selecting, and developing mitigation projects (Part 2). Repeating the process after a disaster. Association of State Floodplain Managers Conference (June 2013); Hartford.
- Murphy, R.C. 1916. Long Island Turtles. Copeia 33: 56–60.
- NatureServe. 2013. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. NatureServe; Arlington.
- NatureServe. 2021. Biotics 5.12.18 / New Jersey database. New Jersey Division of Fish and Wildlife, New Jersey Endangered & Nongame Species Program, Trenton, NJ.

- Nazdrowicz, N.H., J.L. Bowman, and R.R. Roth. 2010. Population ecology of the eastern box turtle in a fragmented landscape. *Journal of Wildlife Management* 72: 745–753.
- Niederberger, A.J. 1993. Aspects of the ecology of the wood turtle, *Clemmys insculpta* LeConte, in West Virginia. Unpublished MS thesis, Marshall University; Huntington.
- Niederberger, A.J. and M.E. Seidel. 1999. Ecology and status of a wood turtle (*Clemmys insculpta*) population in West Virginia. *Chelonian Conservation and Biology* 3: 414–418.
- Norden, A., and J. Zyla. 1989. The wood turtle, *Clemmys insculpta*, on the Maryland Coastal Plain. *The Maryland Naturalist* 33: 37–41.
- Nowak-Kemp, M.B. 2009. 150 years of changing attitudes towards zoological collections in a university museum: the case of the Thomas Bell tortoise collection in the Oxford University Museum. *Archives of Natural History* 36: 299–315.
- Nowak-Kemp, M., and U. Fritz. 2010. Chelonian type specimens at the Oxford University Museum. *Zootaxa* 2604: 1–19.
- O'Connor J.E., J.J. Duda, and G.E. Grant. 2015. 1000 dams down and counting. *Science*. 348: 496–497.
- Oldham, M.J., and W.F. Weller. 1989. Ontario Herpetofaunal Summary 1986. Ontario Field Herpetologists.
- Oliver, J.A. 1955. *The Natural History of North American Amphibians and Reptiles*. D. Van Nostrand Company, Inc.; Princeton.
- Oliver, J.A., and J.R. Bailey. 1939. Amphibians and reptiles of New Hampshire exclusive of marine forms: In H.E. Warfel (Ed.), *Biological Survey of the Connecticut Watershed*. New Hampshire Fish and Game Department; Concord.
- Olivier, A., C. Barbraud, E. Rosecchi, C. Germain, and M. Cheylan. 2010. Assessing spatial and temporal population dynamics of cryptic species: An example with the European pond turtle. *Ecological Applications* 20: 993–1004.
- Olmo, E. 2008. Trends in the evolution of reptilian chromosomes. *Integrative and Comparative Biology* 48: 486–493.
- Omernik, J.M. 1987. Ecoregions of the conterminous United States. Map (scale 1:7,500,000). *Annals of the Association of American Geographers* 77: 118–125.
- Otten, J.G. 2017. Factors influencing Wood Turtle (*Glyptemys insculpta*) home range size in Iowa: a comparison between suburban and rural populations. Unpublished MS thesis, University of Northern Iowa; Cedar Falls.
- Palmer, E.L. 1924. A note on the distribution of the wood turtle *Clemmys insculpta*. *Copeia* 128: 40.
- Parker, G.H. 1901. Correlated abnormalities in the scutes and bony plates of the carapace of the sculptured tortoise. *American Naturalist* 35: 17–24.
- Parmalee, P.W. and W.E. Klippel. 1981. Remains of the Wood turtle *Clemmys insculpta* (Le Conte) from a late Pleistocene deposit in middle Tennessee. *American Midland Naturalist* 105: 413–416.

- Parren, S.G. 2013. A twenty-five year study of the wood turtle (*Glyptemys insculpta*) in Vermont: Movements, behavior, injuries, and death. *Herpetological Conservation and Biology* 8: 176–190.
- Parren, S.G., and M.A. Rice. 2004. Terrestrial overwintering of hatchling turtles in Vermont nests. *Northeastern Naturalist* 11: 229–233.
- Parris, D.C., and E. Daeschler. 1995. Pleistocene turtles of Port Kennedy Cave (Late Irvingtonian), Montgomery County, Pennsylvania. *Journal of Paleontology* 69: 563–568.
- Parsons, T.S. 1960. The structure of the choanae of the Emydinae (Testudines, Testudinidae). *Bulletin of the Museum of Comparative Zoology* 123: 113–127.
- Parsons, T.S. 1968. Variation in the choanal structure of recent turtles. *Canadian Journal of Zoology* 46: 1235–1263.
- Paterson, J.E., B.D. Steinberg, and J.D. Litzgus. 2012. Revealing a cryptic life-history stage: differences in habitat selection and survivorship between hatchlings of two turtle species at risk (*Glyptemys insculpta* and *Emydoidea blandingii*). *Wildlife Research* 39: 408–418.
- Paterson, J.E., J.D. Litzgus, and B.D. Steinberg. 2013. Not just any old pile of dirt: evaluating the use of artificial nesting mounds as conservation tools for freshwater turtles. *Oryx* 47: 607–615.
- Paterson, J.E., B.D. Steinberg, and J.D. Litzgus. 2014. Effects of body size, habitat selection, and exposure on hatchling turtle survival. *Journal of Zoology* 294: 278–285.
- Pennsylvania Amphibian and Reptile Survey (PARS). 2020. Wood Turtle (*Glyptemys insculpta*) occurrence data.
- Pennsylvania Department of Environmental Protection (PDEP). 2004. Pennsylvania Field Guide. Common Invasive Plants in Riparian Areas.
- Peterson, O.A. 1926. The fossils of Frankstown Cave, Blair County, Pennsylvania. *Annals of the Carnegie Museum* 16: 249–315.
- Phillips, G.E. 2006. Paleofaunistics of Nonmammalian Vertebrates from the Late Pleistocene of the Mississippi-Alabama Black Prairie. Unpublished MS thesis, Department of Marine, Earth, and Atmospheric Sciences, North Carolina State University; Raleigh.
- Pianka, E.R. 1974. *Evolutionary Ecology* Harper and Row; New York.
- Pope, C. 1939. *Turtles of the United States and Canada*. Alfred A. Knopf; New York.
- Powell, C.B. 1967. Female sexual cycles of *Chrysemys picta* and *Clemmys insculpta* in Nova Scotia. *Canadian Field Naturalist* 81: 134–140.
- Pulsifer, M. 2012. Presentation to the New Brunswick Wood Turtle Recovery Team, February 15, 2012; Fredericton.
- Pulsifer, M., T. Herman, and S. Bradish. 2006. Wood turtles on the St. Mary's River, Nova Scotia—a cast of thousands? Abstracts, 11th Annual Meeting of the Canadian Amphibian and Reptile Conservation Network; Victoria.
- Quinn, N.W.S. and D.P. Tate. 1991. Seasonal movements and habitat of wood turtles (*Clemmys insculpta*) in Algonquin Park, Canada. *Journal of Herpetology* 25: 217–220.

- Reed, C.F. 1956. Distribution of the wood turtle, *Clemmys insculpta*, in Maryland. *Herpetologica* 12: 80.
- Remsburg, A.J., T.L. Lewis, P.W. Huber, and K.A. Asmus. 2006. Home ranges of wood turtles (*Glyptemys insculpta*) in northern Michigan. *Chelonian Conserv. Biol.* 5: 42–47.
- Rhodin, A.G.J. 1986. Analysis of prehistoric bone remains from Cedar Swamp, Westborough, Worcester County, Massachusetts. *Archaeological Quarterly* 8: 2–9.
- Rhodin, A.G.J. 1992. Chelonian zooarchaeology of eastern New England: turtle bone remains from Cedar Swamp and other prehistoric sites. *Bulletin of the Massachusetts Archaeological Society* 53: 21–30.
- Rhodin, A.G.J. 1995. Archaeological turtle bone remains from Concord Shell Heap. *Bulletin of the Massachusetts Archaeological Society* 56: 71–82.
- Richards, C.D. 1976. Report on Rare and Unusual Plant Species Within the Dickey-Lincoln School Lakes Project Area. U.S. Army Corps of Engineers; New England Division.
- Rickettson, O.G., Jr. 1911. A list of Reptilia collected at Concord, Massachusetts. *Museum of Natural History, Middlesex School, Concord, Mass., Proceedings of the Thoreau Museum of Natural History and Middlesex School* 1: 11–13.
- Ritgen, F.A. 1828. *Versuch einer natürlichen Eintheilung der Vögel. Nova Acta physico-medica Academiae Caesareae Leopoldino-Carolinae Naturae Curiosorum* 14: 245–284.
- Roberts, H.P., J. Meck, L.L. Willey, and M.T. Jones. 2017. Post-Symposium Survey Report. Blanding's and Wood Turtle Conservation Symposium (October 2016); Westborough.
- Robillard, A.J., M. Musnick, and J. Foley. 2016. *Glyptemys insculpta* (Wood Turtle). Basking Habitat. *Herpetological Review* 47: 652.
- Robillard, A.J., S. Robinson, E. Bastiaans, and D. Vogler. 2019. Impacts of a highway on the population genetic structure of a threatened freshwater turtle (*Glyptemys insculpta*). *Amphibian & Reptile Conservation* 13: 267–275.
- Rockwood, L. L. 2015. Introduction to population ecology. 2nd edition. Wiley Blackwell; Hoboken.
- Rödger, D., A.M. Lawing, M. Flecks, F. Ahmadzadeh, J. Dambach, J.O. Engler, J.C. Habel, T. Hartmann, D. Hörnes, F. Ihlow, K. Schidelko, D. Stiels, and P.D. Polly. 2013. Evaluating the significance of paleophylogeographic species distribution models in reconstructing Quaternary range-shifts of Nearctic chelonians. *PLoS One* 8: 1–19.
- Romer, A.S. 1956. *Osteology of the Reptiles*. University of Chicago Press; Chicago.
- Roni, P., and T. Beechie. 2012. *Stream and Watershed Restoration: A Guide to Restoring Riverine Processes and Habitats*. John Wiley & Sons, Ltd.; New York.
- Roni, P., T. Beechie, G. Pess, and K. Hanson. 2014. Wood placement in river restoration: Fact, fiction, and future direction. *Canadian Journal of Fisheries and Aquatic Sciences* 72: 466–478.
- Ross, D.A., K.N. Brewster, R.K. Anderson, N. Ratner and C.M. Brewster. 1991. Aspects of the ecology of wood turtles, *Clemmys insculpta*, in Wisconsin. *Canadian Field Naturalist* 105: 363–367.

- Rossell, C.R., I.M. Rossell, M.M. Orraca, and J.W. Petranka. 2002. Epizootic disease and high mortality in a population of eastern box turtles. *Herpetological Review* 33: 99–101.
- Routman, E. J. 1982. Leech (*Placobdella parasitica*) infestations on the wood turtle, *Clemmys insculpta*. *Herpetological Review* 13: 116–117.
- Rubenstein, D.R., and J. Alcock 2018. *Animal Behavior*. 11th Edition. Sinauer Associates; Sunderland.
- Russell, J.D. 1975. Identification of Pleistocene fossils from McFaddin Beach, Texas. Unpublished MS thesis, Lamar University; Beaumont.
- Ruthven, A.G. and C. Thompson. 1915. On the occurrence of *Clemmys insculpta* (LeConte) in Michigan. *Occasional Papers of the Museum of Zoology of the University of Michigan* 12: 2.
- Sajna, M. 1998. Man is in hot water for buying turtles. *Pittsburgh Post-Gazette*; Pittsburgh, PA. July 3, 1998.
- Say, T. 1825. On the fresh water and land tortoises of the United States. *Journal of the Academy of Natural Sciences of Philadelphia* 4: 203–219.
- Saumure, R.A. 1992. *Clemmys insculpta* (Wood Turtle). Size. *Herpetological Review* 23: 116.
- Saumure, R.A. 2004. Spatial Ecology and Conservation of the North American Wood Turtle (*Glyptemys insculpta*) in a Fragmented Agri-Forested Landscape. Unpublished Ph.D. dissertation, McGill University; Montréal.
- Saumure, R.A., and J.R. Bider. 1996. *Clemmys insculpta* (Wood Turtle): Ectoparasites. *Herpetological Review* 27: 197–198.
- Saumure, R.A., and J.R. Bider. 1998. Impact of agricultural development on a population of wood turtles (*Clemmys insculpta*) in southern Quebec, Canada. *Chelonian Conservation and Biology* 3: 37–45.
- Saumure, R.A., T.B. Herman, and R.D. Titman. 2007. Effects of haying and agricultural practices on a declining species: the North American wood turtle, *Glyptemys insculpta*. *Biological Conservation* 135: 581–591.
- Saumure, R.A., T.B. Herman, and R.D. Titman. 2010. Effects of patch size and habitat structure on the movements of adult male wood turtles, *Glyptemys insculpta*. *Herpetological Conservation and Biology* 5: 403–413.
- Schmidt, K.P. 1953. *A Checklist of North American Amphibians and Reptiles*. 6th Edition. American Society of Ichthyologists and Herpetologists; Chicago.
- Schneider, A.C., T.W. Arnold, P.W. Huber, and T.L. Lewis. 2018. An 18-year mark-recapture study of Wood Turtles (*Glyptemys insculpta*) in Michigan. *Journal of Herpetology* 52: 193–200.
- Schoepff, J.D. 1792. *Historia Testudinum Iconibus Illustrata. Ioannis Iacobi Palm*; Erlangen.
- Schuler, A., and A.F. Badje. 2019. *Glyptemys insculpta* (Wood Turtle). Distribution. *Herpetological Review* 50: 324.

- Schweigger, A.F. 1812. *Prodromus monographiae Cheloniorum. Königsberger Archiv für Naturwissenschaft und Mathematik* 1: 271–368.
- Seburn, D.C., and H. McCurdy-Adams. 2019. Do turtle warning signs reduce roadkill? *The Canadian Field-Naturalist* 133: 216–220.
- Seidel, M.E., and R.M. Wood. 2002. Hemoglobin variation and comments on systematic relationships in the turtle family Emydidae. *Copeia* 2002: 1118–1121.
- Shaw, E.W., 1918. The Pliocene history of northern and central Mississippi. United States Geological Survey Professional Paper 108: 125–163.
- Shufeldt, R.W. 1919. Observations on the Chelonians of North America. IV. Aquatic Life, August 1919: 155–157.
- Siddall, M.E. and S.S. Desser. 2001. Transmission of *Haemogregarina balli* from painted turtles to snapping turtles through the leech *Placobdella ornata*. *Journal of Parasitology* 87: 1217–1218.
- Silsbee, D.G., and G.L. Larson. 1983. Comparison of streams in logged and unlogged areas of Great Smoky Mountains National Park. *Hydrobiologia* 102: 99–111.
- Simpson, R.C., and H. Simpson. 1977. Status of the wood turtle (*Clemmys insculpta*) in Virginia. *Virginia Herpetological Society Bulletin* 83: 1–2.
- Sirois, A.M., Gibbs, J.P., Whitlock, A.L., and L.A. Erb. 2014. Effects of habitat alterations on bog turtles (*Glyptemys muhlenbergii*): A comparison of two populations. *Journal of Herpetology* 48: 455–460.
- Smith, A.L., and C.R. Anderson. 1980. Susceptibility of two turtle species to eastern equine encephalitis. *Journal of Wildlife Diseases* 16: 615–617.
- Smith, D.S. 1833. Reptiles. In E. Hitchcock (Ed.), *Report of the Geology, Mineralogy, Botany, and Zoology of Massachusetts*. J.S. and C. Adams; Amherst.
- Smith, E. 1899. The Turtles and Lizards of the Vicinity of New York City. *Proceedings of the Linnaean Society of New York* 1898–1899: 11–32.
- Smith, K.A. 2002. Demography and spatial ecology of Wood Turtles (*Clemmys insculpta*) in Algonquin Provincial Park. M.Sc. Thesis, University of Guelph.
- Snodgrass, J.W. and G.K. Meffe. 1998. Influence of beavers on stream fish assemblages: effects of pond age and watershed position. *Ecology* 79: 928–942.
- Sobolik, K.D., and R. Will. 2000. Calcined turtle bones from the Little Ossipee North site in southwestern Maine. *Archaeology of Eastern North America* 28: 15–28.
- Sparling, D.W., C. Matson, J. Bickham, and P. Doelling-Brown. 2006. Toxicity of glyphosate as Glypro and L1700 to Red-eared Slider (*Trachemys scripta elegans*) embryos and early hatchlings. *Environmental Toxicology and Chemistry* 25: 2768–2774.
- Spinks, P.Q., R.C. Thompson, E. McCartney-Melstad, H.B. Shaffer. 2016. Phylogeny and temporal diversification of the New World Pond Turtles (Emydidae). *Molecular Phylogenetics and Evolution* 103: 85–97.

- Spradling, T.A., J.W. Tamplin, S.S. Dow, and K.J. Meyer. 2010. Conservation genetics of a peripherally isolated population of the wood turtle (*Glyptemys insculpta*) in Iowa. *Conservation Genetics* 2010: 1667–1677.
- Stearns, S. C. 1976. Life-history tactics: a review of the ideas. *Quarterly Review of Biology* 51: 3–47.
- Steen, D.A., J.P. Gibbs, K.A. Buhlmann, J.L. Carr, B.W. Compton, J.D. Congdon, J.S. Doody, J.C. Godwin, K L. Holcomb, D.R. Jackson, F.J. Janzen, G. Johnson, M.T. Jones, J.T. Lamer, T.A. Langen, M.V. Plummer, J.W. Rowe, R.A. Saumure, J.K. Tucker, and D.S. Wilson. 2012. Terrestrial habitat requirements of nesting freshwater turtles. *Biological Conservation* 150: 121–128.
- Stejneger, L., and T. Barbour. 1923. A Check List of North American Amphibians and Reptiles. 2nd Edition. Harvard University Press; Cambridge.
- Stephens, P.R., and J.J. Wiens. 2004. Convergence, divergence, and homogenization in the ecological structure of emydid turtle communities: the effects of phylogeny and dispersal. *The American Naturalist* 164: 244–254.
- Stone, W. 1906. Notes on reptiles and batrachians of Pennsylvania, New Jersey, and Delaware. *American Naturalist* 40: 159–170.
- Storer, D.H. 1840. A Report on the Reptiles of Massachusetts. *Boston Journal of Natural History* 3: 1–64.
- Storer, D.H. 1839. Reptiles of Massachusetts. In *Reports on the Fishes, Reptiles, and Birds of Massachusetts*. Dutton and Wentworth; Boston.
- Strang, C.A. 1983. Spatial and temporal activity patterns in two terrestrial turtles. *Journal of Herpetology* 17: 43–47.
- Strauch, A. 1865. *Die Vertheilung der Schildkröten über den Erdball. Mémoires de l'Académie impériale des sciences de St.-Petersbourg*. Commissionäre der Kaiserlichen Akademie der Wissenschaften; St. Petersburg.
- Street, J.F. 1914. Amphibians and reptiles observed at Beverly, N.J. *Copeia* 1914: 2.
- Surface, H.A. 1908. First Report on the Economic Features of Turtles of Pennsylvania. Pennsylvania Department of Agriculture; Harrisburg.
- Swanson, P.L. 1952. The reptiles of Venango County, Pennsylvania. *American Midland Naturalist* 47: 161–182.
- Sweeten, S.E. 2008. Home range, hibernacula fidelity, and best management practices for wood turtles (*Glyptemys insculpta*) in Virginia. Unpublished MS thesis, James Madison University.
- Tamplin, J.W. 2006a. Response of hatchling wood turtles to an aquatic thermal gradient. *Journal of Thermal Biology* 2006: 400–405.
- Tamplin, J.W. 2006b. *Glyptemys insculpta* (Wood Turtle). Diet. *Herpetological Review* 37: 456–457.
- Tamplin, J.W. 2019. Iowa State Wildlife Grant: Upper Midwestern Turtle Conservation. Report for Competitive State Wildlife Grant. Prepared for the U.S. Fish and Wildlife Service.

- Tamplin, J.W., J.B. Snodgrass, and D.B. Yeoman. 2009. *Glyptemys insculpta* (Wood Turtle). Diet. Herpetological Review 40: 74–75.
- Taylor, J. 1993. The Amphibians and Reptiles of New Hampshire. Nongame and Endangered Wildlife Program. New Hampshire Fish and Game Department; Concord.
- Taylor, J. 1997. The Status of Turtles in New Hampshire. In T. Tynning (Ed.). Status and Conservation of Turtles of the Northeastern United States. Serpent's Tale Natural History Books; Lanesboro.
- Tessier, N., S.R. Paquette, and F.-J. Lapointe. 2005. Conservation genetics of the wood turtle (*Glyptemys insculpta*) in Québec, Canada. Canadian Journal of Zoology 83: 765–772.
- Tetzlaff, S.J., and M.J. Ravesi 2015. *Glyptemys insculpta* (Wood Turtle). Mortality. Herpetological Review 46: 243.
- Thompson, D.G., T. Swystun, J. Cross, R.L. Cross, D. Chartrand, and C.B. Edge. 2018. Fine- and coarse-scale movements and habitat use by Wood Turtles (*Glyptemys insculpta*) based on probabilistic modeling of radio- and GPS-telemetry data. Canadian Journal of Zoology 96: 1153–1164.
- Thompson, F.G. 1953. Further evidence of the occurrence of the wood turtle, *Clemmys insculpta* (Le Conte) in northeastern Ohio. Herpetologica 9: 74.
- Thompson, Z. 1853. Natural History of Vermont. Originally published at Burlington, Vermont. Reprinted by Charles E. Tuttle Company (1972); Clarendon.
- Thoreau, H.D. 2009. The Journal, 1837–1861. New York Review of Books; New York.
- Thoreau, H.D. 1864. The Maine Woods. Ticknor and Fields; Boston.
- Tingley, R., D.G. McCurdy, M.D. Pulsifer, and T.B. Herman. 2009. Spatio-temporal differences in the use of agricultural fields by male and female wood turtles (*Glyptemys insculpta*) inhabiting an agri-forest mosaic. Herpetological Conservation and Biology 4: 185–190.
- Tinkle, D.W. 1962. Variation in shell morphology of North American turtles. I. The carapacial seam arrangements. Tuane Studies in Zoology and Botany 9: 331–349.
- Tinklepaugh, O.L. 1932. Maze learning of a turtle. Journal of Comparative Physiology 13: 204–206.
- Tobey, F.J. 1985. Virginia's Amphibians and Reptiles, a Distributional Survey. Virginia Herpetological Society; Purcellville.
- Tronzo, R.D. 1993. *Clemmys insculpta* (wood turtle): reproduction. Herpetological Review 24: 149.
- Tuttle, S. 1996. Ecology and natural history of the wood turtle (*Clemmys insculpta*) in southern New Hampshire. Unpublished MS thesis, Antioch University New England; Keene.
- Tuttle, S.E. and D.M. Carroll. 1997. Ecology and natural history of the Wood turtle (*Clemmys insculpta*) in southern New Hampshire. Linnaeus Fund research report. Chelonian Conservation and Biology 2: 447–449.

- Tuttle, S.E., and D.M. Carroll. 2005. Movements and behavior of hatchling wood turtles (*Glyptemys insculpta*). *Northeastern Naturalist* 12: 331–348.
- Tyning, T.F. (Ed.). 1997. Status and Conservation of Turtles of the Northeastern United States. *Serpent's Tale*; Lanesboro, MN.
- Ultsch, G.R. 2006. The ecology of overwintering among turtles: where turtles overwinter and its consequences. *Biological Reviews* 81: 339–367.
- United States Army Corps of Engineers (USACOE). 2018. National Inventory of Dams. Federal Emergency Management Agency; Washington, D.C.
- United States Department of Justice (US DOJ) Environment Crimes Section (ECS). 2011. *United States vs. Albert Roach*.
- United States Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS). 2018. Recovery Plan for the Gulf of Maine Distinct Population Segment of Atlantic Salmon (*Salmo salar*). Final plan for the 2009 ESA listing.
- United States Fish and Wildlife Service (USFWS). 2009. Advisory bulletin August 5, 2009. Pennsylvania Field Office; State College.
- Upton, S.J., C.T. McAllister, and G.M. Garrett. 1995. New species of *Eimeria* (Apicomplexa) from captive wood turtles, *Clemmys insculpta* (Testudines: Emydidae), from the Dallas Zoo. *Acta Protozoologica* 34: 57–60.
- Valdez-Villavicencio, J.H., A. Peralta-García, and J.Á. Guillen-González. 2016. Nueva población de la tortuga de poza del suroeste *Emys pallida* en el Desierto Central de Baja California, México. *Revista mexicana de biodiversidad* 87: 264–266.
- Valenzuela, N., and D.C. Adams. 2011. Chromosome number and sex determination coevolve in turtles. *Evolution* 65: 808–1813.
- van Dijk, P.P., and J. Harding. 2011. *Glyptemys insculpta*. In: IUCN 2012. IUCN Red List of Threatened Species. Version 2012.1.
- Verrill, A.E. 1863. Catalogue of the reptiles and batrachians found in the vicinity of Norway, Oxford County, Maine. *Proceedings of the Boston Society of Natural History* 9: 195–199.
- Vermont Reptile and Amphibian Atlas. 2020. Wood Turtle (*Glyptemys insculpta*) distribution map.
- Vlachos, E. 2018. A review of the fossil record of North American turtles of the clade *Pan-Testudinoidea*. *Bulletin of the Peabody Museum of Natural History* 59: 3–94.
- Vogt, R.C. 1981. *Natural History of Amphibians and Reptiles in Wisconsin*. Milwaukee Public Museum; Milwaukee.
- Vraniak, D.A., and G.A. Geller. 2017. *Apalone spinifera* (Spiny Softshell), *Chelydra serpentina* (Snapping Turtle), and *Glyptemys insculpta* (Wood Turtle). Embryo survival after nest flooding. *Herpetological Review* 48: 419–420.
- Vraniak, D.A., C.N. Lapin, and T. Bougie. 2017. *Glyptemys insculpta* (Wood Turtle) Nest Predation. *Herpetological Review* 48: 424–425.

- Wagner, G. 1922. A wood turtle from Wisconsin. *Copeia* 1922: 43–45.
- Walde, A.D. 1998. Ecology of the Wood Turtle, *Clemmys insculpta*, in Québec, Canada. Unpublished MS thesis, McGill University; Montréal.
- Walde, A. D., J. R. Bider, C. Daigle, D. Masse, J.-C. Bourgeois, J. Jutras and R. D. Titman. 2003. Ecological aspects of a wood turtle, *Glyptemys insculpta*, population at the northern limit of its range in Québec. *Canadian Field-Naturalist* 117: 377–388.
- Walde, A.D., J.R. Bider, D. Masse, R.A. Saumure, and R.D. Titman. 2007. Nesting ecology and hatching success of the wood turtle, *Glyptemys insculpta*, in Québec. *Herpetological Conservation and Biology* 2: 49–60.
- Walde, A. D., P.J. Baker, and R.A. Saumure. 2008. *Glyptemys insculpta* (Wood Turtle). Hatching behavior. *Herpetological Review* 39: 81–82.
- Walde, A.D., and R.A. Saumure. 2008. *Glyptemys insculpta* (Wood Turtle). Maximum clutch size. *Herpetological Review* 39: 82.
- Wallace, S.D., G.J. Forbes, J.J. Nocera. 2020. Experimental assessment of the impact of agricultural machinery on wood turtles (*Glyptemys insculpta*). *Chelonian Conservation and Biology* 19: 78–84.
- Weber, J.A. 1928. Herpetological observations in the Adirondack Mountains, New York. *Copeia* 169: 106–112.
- Weigel, D., and A. Whiteley. 2018. Population genetics. In M.T. Jones, H.P. Roberts, and L.L. Willey (Eds.), *Conservation Plan for the Wood Turtle in the Northeastern United States*. Report to the Massachusetts Division of Fisheries & Wildlife and the U.S. Fish & Wildlife Service; Westborough.
- Wesley, P. A. 2006. Local and regional scale habitat selection by wood turtles (*Glyptemys insculpta*) in Ontario. Unpublished MS thesis, University of Guelph; Guelph.
- White, J.F., and A.W. White. 2002. *Amphibians and Reptiles of Delmarva*. Tidewater Publishers; Centerville.
- White, R. and J. Mullen. 2017. Wood Turtle (*Glyptemys insculpta*) Recovery in Huron County. Report prepared by the Huron Stewardship Council for the Ontario Ministry of Natural Resources and Forestry.
- White, R.C., K. Bériault, and M. Thompson. 2016. Recovery and Habitat Management for Wood Turtles (*Glyptemys insculpta*) in an Agricultural Landscape. In: American Turtle Observatory (ATO), Abstracts from the 2016 Blanding's & Wood Turtle Conservation Symposium; Westborough.
- White, T.B. 2013. In the Cold and Near the Edge: Hypoxia Tolerance, Seasonal Site Fidelity, and Communal Hibernation in a Peripheral Population of Wood Turtles (*Glyptemys insculpta*). Unpublished MS thesis, Acadia University; Wolfville.
- White, T., M.D. Pulsifer, and T.B. Herman. 2010. Habitat selection, site fidelity, and communal behavior of overwintering wood turtles (*Glyptemys insculpta*) in Nova Scotia. Abstract, 20th Annual Meeting, CARCNET/RÉCCAR and CAH. 24th Annual Meeting, Canadian Association of Herpetologists; Wolfville.

- Wiedenfeld, D.A., A.C. Alberts, A. Angulo, E.L. Bennett, O. Byers, T. Contreras-MacBeath, G. Drummond, G.A.B. da Fonseca, C. Gascon, I. Harrison, N. Heard, A. Hochkirch, W. Konstant, P.F. Langhammer, O. Langrand, F. Launay, D.J. Stebbin, S. Lieberman, B. Long, Z. Lu, M. Maunder, R.A. Mittermeier, S. Molur, R.K. al Mubarak, M.J. Parr, J. Ratsimbazafy, A.G.J. Rhodin, A.B. Rylands, J. Sanderson, W. Sechrest, P. Soorae, J. Supriatna, A. Uppgren, J.-C. Vié, and L. Zhang. 2021. Conservation resource allocation, small population resiliency, and the fallacy of conservation triage. *Conservation Biology*, accepted.
- Wiens, J.J., C.A. Kuczynski, and P.R. Stephens. 2010. Discordant mitochondrial and nuclear gene phylogenies in emydid turtles: implications for speciation and conservation. *Biological Journal of the Linnean Society* 99: 445–461.
- Wiley, L.L., M.T. Jones, P.R. Sievert, T.S.B. Akre, M. Marchand, P. deMaynadier, D.T. Yorks, J.D. Mays, J. Dragon, L. Erb, B. Zarate, J.D. Kleopfer, K.D. Gipe, S. Parren, J. Andrews, H.P. Roberts, J.W. Tamplin, C. Raithel, L. Johnson, A.M. Ross, A. Breisch, G. Johnson, S. Angus, J. Drasher, and B. Wicklow. 2022. Distribution models combined with standardized surveys reveal widespread habitat loss in a threatened turtle species. *Biological Conservation* 266: 109437.
- Williams, C.E. 2009. Occurrence of *Glyptemys insculpta* Le Conte in a stream impaired by abandoned mine drainage, Pennsylvania, USA. *Herpetology Notes* 2: 133–136.
- Williams, E. 1950. Variation and selection in the cervical central articulations of living reptiles. *Bulletin of the American Museum of Natural History* 94: 505–561.
- Williams, J. 2013. Habitat usage, movement patterns, and home range size of Wood Turtles (*Glyptemys insculpta*) in a suburban habitat. Unpublished MS thesis, University of Northern Iowa; Cedar Falls.
- Williams, J.W., B.N. Schuman, and T. Webb III. 2001. Dissimilarity analyses of late-Quaternary vegetation and climate in eastern North America. *Ecology* 82: 3346–3362.
- Williamson, W.D. 1832. *The History of the State of Maine [1602–1820]*. Glazier, Masters & Co.; Hallowell.
- Willoughby, J.R., M Sundaram, T.L. Lewis, and B.J. Swanson. 2013. Population decline in a long-lived species: the wood turtle in Michigan. *Herpetologica* 69: 186–198.
- Windmiller, B. 2009. Survey for wood turtles in streams nearby the proposed Bruce Freeman Rail Trail. Concord and Acton, Massachusetts. Final report of field work conducted in 2009, prepared for Town of Concord Natural Resources Commission.
- Windmiller, B., E. Wilder, J. Berkholtz, and C. McElroy. 2017. Brief update on Wood Turtle Tracking Effort During the 2016 & 2017 Field Season: Concord, MA. Report to the Massachusetts Division of Fisheries and Wildlife; Westborough.
- Windmiller, B. and R.K. Walton. 1992. Minute Man National Historical Park: A survey of selected fauna with recommendations for wildlife conservation and habitat management. Minute Man National Historical Park, National Park Service; Concord.
- Wisconsin Department of Natural Resources. 2019. Species profiles for *Terrapene ornata* and *Glyptemys insculpta*.

- Worton B. J. 1989. Kernel methods for estimating the utilization distribution in home-range studies. *Ecology* 70: 164–168.
- Wright, A.H. 1918. Note on *Clemmys*. *Proceedings of the Biological Society of Washington* 31: 51–58.
- Yorks, D.T. 2015. Experimental tests of road passage systems for reducing road mortalities of freshwater turtles. Unpublished MS thesis, University of Massachusetts; Amherst.
- Zangerl, R. 1939. Homology of the shell elements in turtles. *Journal of Morphology* 65: 383–410.
- Zeiller, D. 1969. Turtle sanctuary. *International Turtle and Tortoise Society Journal* 3: 6–9; 30–31.
- Zeveloff, S.I. 2002. *Raccoons: A Natural History*. Smithsonian Institution Press Washington, D.C.
- Zug, G.R. 1966. The penial morphology and the relationships of cryptodiran turtles. *Occasional Papers of the Museum of Zoology, University of Michigan* 647: 1–24.

BIOLOGY & CONSERVATION
of the **WOOD TURTLE**

Michael T. Jones
Lisabeth L. Willey

Editors

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