

*Curriculum vitae of*

**Tracey D. Tuberville**

Assistant Research Scientist

Applied Conservation Research (with emphasis in Herpetology & Genetics)

Savannah River Ecology Lab

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**Education**

- **PhD Ecology.** University of Georgia, School of Ecology, Athens, GA. Dissertation title: Evaluating the utility of translocation for turtle conservation: a case study based on the behavioral and demographic responses of the gopher tortoise (*Gopherus polyphemus*). Advisor: Dr. J. Whitfield Gibbons. Spring 2008.
- **M.S. Conservation Ecology and Sustainable Development.** University of Georgia, Institute of Ecology, Athens, GA. Thesis title: Effects of soil disturbance by gopher tortoises (*Gopherus polyphemus*) on vegetation structure and composition in a pine-oak sandhills community. Advisor: Dr. J. Whitfield Gibbons. December 1998.
- **B.S. Biology.** Furman University, Greenville, SC. Magna cum laude. Spring 1993.

**Research Interests**

- Conservation and management of reptile and amphibian populations
- Translocation and reintroduction as management tools
- Effects of contaminants on reptiles and amphibians at the individual, population and community levels
- Conservation genetics as a tool to understanding individual behavior and population processes in captive and free-ranging wildlife populations

**Professional Experience**

- **Assistant Research Scientist.** July 2008 – present. Savannah River Ecology Lab.
- **Research Professional.** August 2001-present.  
Savannah River Ecology Lab, Herpetology Program  
Supervisor: Dr. J. Whitfield Gibbons
- **Research Professional.** August 2005-December 2007.  
Savannah River Ecology Lab, Applied Ecological Genetics Program  
Supervisors: Dr. Travis C. Glenn, Dr. Olga Tsyusko
- **Natural Areas Conservation Planner.** June 2000-August 2001.  
Virginia Department of Conservation, Division of Natural Heritage  
Supervisor: Larry Smith
- **Research Technician.** September 1993-June 2000.  
Savannah River Ecology Lab, Herpetology Program  
Supervisors: Dr. J. Whitfield Gibbons, Judith L. Greene (lab coordinator)
- **Research Intern.** Summer 1993.  
National Science Foundation-Research Experience for Undergraduates  
Supervisor: Vincent J. Burke (graduate student), Savannah River Ecology Lab

- **Research Intern.** Summer 1992. National Science Foundation-Research Experience for Undergraduates. Furman University.  
Supervisor: Dr. Joseph Pollard
- **Intern Naturalist.** 1991. Roper Mountain Science Center, Greenville, SC. Supervisor: Peter DeBoer
- **Volunteer.** 1998. Raptor Rehabilitation Center, Clinton, TN.  
Supervisor: John Byrd

## Teaching Experience

- **Lecturer.** Spring 2010. University of South Carolina-Aiken, Aiken, SC. General Biology (laboratory portion).
- **General Biology Lab Instructor.** Spring 2007. University of South Carolina-Aiken, Aiken, SC
- **Instructor.** Summers 2006 – 2009. Envirovet Training Program, St. Catherines Island / White Oak Plantation. (Weekend workshop with sessions on Reptile & amphibian capture techniques, gopher tortoise health assessments).
- **General Biology Lab Assistant.** 1992-1993. Furman University, Greenville, SC

## Peer-Reviewed Publications

- **Tuberville, T.D.,** T.M., Norton, B.J. Waffa, C. Hagen, T.C. Glenn. *In Press*. Mating system in a gopher tortoise population established through multiple translocations: Apparent advantage of prior residence. **Biological Conservation** (Impact Factor: 3.907). DOI: 10.1016/j.biocon.2010.08.012
- \*Lance, S.L., \***T.D. Tuberville**, L. Dueck, C. Holz-Schietinger, P.L. Trosclair III, R.M. Elsey, and T.C. Glenn. 2009. Multi-year multiple paternity and mate fidelity in the American alligator, *Alligator mississippiensis*. **Molecular Ecology** 18:4508-4520. (\*Authors contributed equally). (Cover article) (Impact factor: 5.96).
- **Tuberville, T.D.,** T. M. Norton, B.D. Todd, and J. S. Spratt. 2008. Long-term apparent survival of translocated gopher tortoises: a comparison of newly released and previously established animals. **Biological Conservation** 141:2690-2697. (Impact Factor: 3.907).
- Smith, L.L., **T.D. Tuberville**, and R.A. Seigel. 2006. Workshop on the ecology, status, and management of the gopher tortoise (*Gopherus polyphemus*), Joseph W. Jones Ecological Research Center, Newton, GA, 16-17 January 2003: Final results and recommendations. **Chelonian Conservation and Biology** 5: 326-330.
- Gibbons, J.W.,...**T.D. Tuberville** (13<sup>th</sup> of 24 authors). 2006. Remarkable amphibian biomass and abundance in an isolated wetland: implications for wetland conservation. **Conservation Biology** 20:1457-1465. (Impact factor: 4.67).
- **Tuberville, T. D.,** E. E. Clark, K. A. Buhlmann and J. W. Gibbons. 2005. Translocation as a conservation tool: site fidelity and movement of repatriated gopher tortoises (*Gopherus polyphemus*). **Animal Conservation** 8: 349-358, (Cover article) (Impact factor: 2.358).

- **Tuberville, T.D.**, J.D. Willson, M.E. Dorcas, and J.W. Gibbons. 2005. Herpetofaunal diversity of southeastern National Parks. **Southeastern Naturalist** 4:537-569. (Cover article).
- **Tuberville, T. D.**, K. A. Buhlmann, R. H. Kerr, and D. Booher. 2005. Ecology of the Jamaican slider turtle (*Trachemys terrapen*), with implications for conservation and management. **Chelonian Conservation and Biology** 4:908-915.
- Smith, R.B., **T.D. Tuberville**, A.L. Chambers, K.M. Herpich, and J.E. Berish. 2005. Gopher tortoise burrow survey methods: external characteristics classification, burrow cameras, and truth. **Applied Herpetology** 2:161-170.
- **Tuberville, T. D.**, and M. E. Dorcas. 2001. Winter survey of a gopher tortoise population in South Carolina. **Chelonian Conservation and Biology** 4: 182-186.
- **Tuberville, T. D.**, J. R. Bodie, J. B. Jensen, L. LaClaire, and J. W. Gibbons. 2000. Apparent decline of the southern hognose snake, *Heterodon simus*. **Journal of the Elisha Mitchell Scientific Society** 116: 19-40.
- Gibbons, J. W....**T. D. Tuberville** (5<sup>th</sup> of 11 authors). 2000. The global decline of reptiles, déjà vu amphibians. **BioScience** 50:653-666. (Cover article).
- Buhlmann, K. A., and **T. D. Tuberville**. 1998. Use of Passive Integrated Transponders (PIT) tags for marking small freshwater turtles. **Chelonian Conservation and Biology** 3:102-104.
- Gibbons, J. W., ...**T. D. Tuberville** (5th of 29 authors). 1997. Perceptions of species abundance, distribution and diversity: Lessons from four decades of sampling on a government-managed reserve. **Environmental Management** 21:259-268.
- **Tuberville, T. D.**, J. W. Gibbons, and J. L. Greene. 1996. Invasion of new aquatic habitats by male freshwater turtles. **Copeia** 1996: 713-715.
- **Tuberville, T. D.**, P. G. Dudley, and A. J. Pollard. 1996. Responses of invertebrate herbivores to stinging trichomes of *Urtica dioica* and *Laportea canadensis*. **Oikos** 75: 83-88.
- Semlitsch, R. D., J. W. Gibbons, and **T. D. Tuberville**. 1995. Timing of reproduction and metamorphosis in the crawfish frog (*Rana capito*) in South Carolina. **Journal of Herpetology** 29: 612-614.
- **Tuberville, T. D.**, and V. J. Burke. 1994. Do flag markers attract turtle nest predators? **Journal of Herpetology** 28: 514-516.

### Manuscripts in Review

- **Tuberville, T.D.**, K.M. Andrews, J.D. Westervelt, H.E. Balbach, J. Macey, and L. Carlile. Using demographic sensitivity testing to identify management targets for gopher tortoises on Ft. Stewart, Georgia: a comparison of individual-based modeling and population viability analysis approaches. Editor: J. Westervelt. Book title: Ecologist-Developed Spatially-Explicit Dynamic Landscape Models. Publisher: Springer. **Book chapter (invited)**.
- Paller, M., J. Feminella, E. Kosnicki, S. Sefick, M. Jarrell, D. Fletcher, **T. Tuberville**, S.

Sterrett, A. Grosse, B. Prusha. Ecological Reference Models for Blackwater Streams: a Prerequisite for Successful Ecosystem Recovery and Management. **Proceedings of the South Carolina Water Resources Meeting.**

- Grosse, A.M., K.A. Buhlmann, B.B. Harris, B.A. DeGregorio, B.M. Moule, R.V. Horan III, and **T.D. Tuberville**. Nest guarding in the gopher tortoise (*Gopherus polyphemus*). **Chelonian Conservation and Biology.**
- Davis, A.K., R.V. Horan III, A.M. Grosse, B.B. Harris, B.S. Metts, D.E. Scott, and **T.D. Tuberville**. Submitted. Gender differences in haemogregarine infections in American alligators (*Alligator mississippiensis*) at the Savannah River Site, South Carolina. **Journal of Wildlife Diseases.**
- DeGregorio, B.A., K.A. Buhlmann, A.M. Grosse, B.B. Harris, R.V. Horan III, **T.D. Tuberville**, and B.M. Moule. *Gopherus polyphemus* (Gopher Tortoise). Burrow Associate. **Herpetological Review** (Natural History Note).

### Manuscripts in Preparation (Invited)

- **Tuberville, T.D.**, T.M. Norton, K.A. Buhlmann, and V. Greco. Head-starting as a management component for gopher tortoises (*Gopherus polyphemus*). Journal: **Herpetological Conservation and Biology** (Special Issue on Turtle Head-starting to be edited by Dr. Russell Burke). Manuscript due date: 30 November 2010.
- K. A. Buhlmann, **T.D. Tuberville**, S. Koch, B. Butler, V. Palmero, and B. Bastarach. Reintroduction and head-starting as conservation tools for Blanding's turtles (*Emydoidea blandingii*). Journal: **Herpetological Conservation and Biology** (Special Issue on Turtle Head-starting to be edited by Dr. Russell Burke). Manuscript due date: 30 November 2010.

### Books

- *Turtles of the Southeast*. 2008. By Kurt Buhlmann, **Tracey Tuberville**, and Whit Gibbons. University of Georgia Press, Athens, GA.

### Microsatellite Primer Notes

- Kwiatkowski, M.A., C.M. Somers, R.G. Poulin, D.C. Rudolph, J. Martino, **T.D. Tuberville**, C. Hagen, and S.L. Lance. 2010. Development and characterization of 16 microsatellite markers for the Louisiana pine snake, *Pituophis ruthveni*, and two congeners of conservation concern. **Conservation Genetics Resources** 2:163-166.
- Weber, J.N., M.B. Peters, O.V. Tsyusko, C. Hagen, N.A. Schable, **T.D. Tuberville**, A.M. McKee, S.L. Lance, K.L. Jones, H.S. Fisher, M.J. Dewey, H.E. Hoekstra, and T.C. Glenn. **2010**. Five hundred microsatellite loci for *Peromyscus*. **Conservation Genetics**, 11:1243-1246.
- Tsyusko, O.V., **T.D. Tuberville**, M.B. Peters, N. Crawford, C. Hagen, S.G. Weller, A.K.

- Sakai, and T.C. Glenn. 2007. Microsatellite markers isolated from polyploidy wood-sorrel (*Oxalis alpina*). **Molecular Ecology Resources** 7:1284-1286.
- Tsyusko, O.V., M.B. Peters, C. Hagen, **T.D. Tuberville**, T.A. Mousseau, A.P. Moller, and T.C. Glenn. 2007. Microsatellite markers isolated from barn swallows (*Hirundo rustica*). **Molecular Ecology Resources** 7:833-835.
  - Tsyusko, O.V., M.B. Peters, **T.D. Tuberville**, C. Hagen, S.M. Eppley, and T.C. Glenn. 2007. Microsatellite markers isolated from saltgrass (*Distichlis spicata*). **Molecular Ecology Resources** 7:883-885.

### Natural History Notes

- Mitchell, J.C., **T.D. Tuberville**, and K.A. Buhlmann. 2005. *Siebenrockiella crassicollis* (Black marsh turtle) fire scars. *Herpetological Review* 36:169.
- Mitchell, J.C., **T.D. Tuberville**, and K.A. Buhlmann. 2004. *Heosemys grandis* (Giant Asian pond turtle) anophthalmia. *Herpetological Review* 35:55.
- Kean, C.A., and T.D. Tuberville. 1995. *Seminatrix pygaea* (Black swamp snake) size. *Herpetological Review* 26:103.

### Book Chapters & Species Accounts

- Buhlmann, K.A., **T.D. Tuberville**, Y. Leiden, T.J. Ryan, S. Poppy, C.T. Winne, J.L. Greene, T.M. Mills, D.E. Scott, and J.W. Gibbons. 2005. Amphibians and reptiles. *In* J.C. Kilgo and J.I. Blake (eds). *Ecology and Management of a forested landscape: Fifty years of environmental stewardship on the Savannah River Site*. Island Press, Washington, D.C.
- Griffiths, R., K. Buhlmann, J. McKay, and **T. Tuberville**. 2005. Chapter 8: Reintroductions. Pp. 40-42 *In* Gascon, C., J.P. Collins, R.D. Moore, D.R. Church, J.E. McKay, and J.R. Mendelson III (editors). *Amphibian Conservation Action Plan*. IUCN/SSC Amphibian Specialist Group. Gland, Switzerland and Cambridge, UK.
- Birkhead, R., and **T.D. Tuberville**. 2008. Gopher tortoise, *Gopherus polyphemus*. *In* J. Jensen, C. D. Camp, J. W. Gibbons, and M. Elliott, (eds.). *The Amphibians and Reptiles of Georgia*. University of Georgia Press. Athens, GA.
- Mason, P.A., and **T.D. Tuberville**. 2008. Pine snake, *Pituophis melanoleucus*. *In* J. Jensen, C. D. Camp, J. W. Gibbons, and M. Elliott, (eds.). *The Amphibians and Reptiles of Georgia*. University of Georgia Press. Athens, GA.
- **Tuberville, T.D.**, and K.A. Buhlmann. 2008. Eastern hognose snake, *Heterodon platyrhinos*. *In* J. Jensen, C. D. Camp, J. W. Gibbons, and M. Elliott, (eds.). *The Amphibians and Reptiles of Georgia*. University of Georgia Press. Athens, GA.
- **Tuberville, T.D.**, and J.W. Gibbons. 2008. Eastern Coachwhip, *Masticophis flagellum*. *In* J. Jensen, C. D. Camp, J. W. Gibbons, and M. Elliott, (eds.). *The Amphibians and Reptiles of Georgia*. University of Georgia Press. Athens, GA.

- **Tuberville, T.D.**, and J.B. Jensen. 2008. Southern hognose snake, *Heterodon simus*. In J. Jensen, C. D. Camp, J. W. Gibbons, and M. Elliott, (eds.). The Amphibians and Reptiles of Georgia. University of Georgia Press. Athens, GA.

## Technical Reports & Other Literature

- **Tuberville, T.D.**, A. Grosse, and S. Schweitzer. 2010. Indigo snake survey of Kings Bay Naval Submarine Base, Georgia, Cooperative Agreement #401819J641. Final report. 9 August 2010. 29 pp. (including appendices).
- Bennett, S.H., B. Moule, D. Ruth, K. Noel, K. Buhlmann, **T. Tuberville**, M. Martin, A. Grosse. 2009. A conservation strategy for the gopher tortoise (*Gopherus polyphemus*) in South Carolina. South Carolina Department of Natural Resources. 17pp.
- **Tuberville, T.D.**, and K.A. Buhlmann. 2009. Modeling Blanding's turtle population growth at Assabet River National Wildlife Refuge and results of releases to date. Report to USFWS.
- **Tuberville, T.D.**, S. Schweitzer, and L. Bryan. 2009. Gopher tortoise survey of Kings Bay Naval Submarine Base, Georgia, Cooperative Agreement #N69450-08-RP-00012. Final report. 20 May 2009. 33pg (including appendices).
- Buhlmann, K.A., B.M. Moule, A.Grosse, **T.D. Tuberville**, and S.H. Bennett. 2009. Summary report for the Gopher Tortoise Reintroduction Project at the Aiken Gopher Tortoise Heritage Preserve 2009. Report submitted to SC Department of Natural Resources, 9 December 2009. 7pp. (Technical Report)
- **Tuberville, T.D.**, J.W. Gibbons, and H.E. Balbach. 2009. Estimating viability of gopher tortoise populations. Report to U.S. Army Corps of Engineers, Construction Engineering Research Laboratory. ERDC/CERL TR-09-2. (Report can be downloaded from [www.cecer.army.mil](http://www.cecer.army.mil)).
- **Tuberville, T.D.** 2008. Evaluating the utility of translocation for turtle conservation: a case study based on the behavioral and demographic responses of gopher tortoises (*Gopherus polyphemus*). Dissertation, University of Georgia, Athens, GA. 189 pp.
- **Tuberville, T.D.**, K.A. Buhlmann, H.E. Balbach, S.H. Bennett, J.P. Nestor, J.W. Gibbons, and R.R. Sharitz. 2007. Habitat selection by the gopher tortoise (*Gopherus polyphemus*). Report to U.S. Army Corps of Engineers, Construction Engineering Research Laboratory. ERDC/CERL TR-07-01. (Report can be downloaded from [www.cecer.army.mil](http://www.cecer.army.mil))
- Wilson, I.T., and **T. Tuberville**. 2003. Virginia's precious heritage: a report on the status of Virginia's natural communities, plants, and animals, and a plan for preserving Virginia's natural heritage resources. Natural Heritage Technical Report 03-15. Virginia Department of Conservation and Recreation, Division of Natural Heritage, 217 Governor Street, 3<sup>rd</sup> Floor, Richmond, Virginia. 82 pages plus appendices.
- **Tuberville, T.D.** 2001. Conservation plan for the Saint Francis' satyr (*Neonympha mitchelli francisci*) in Virginia. Natural Heritage Technical Report 01-18. Virginia Department of Conservation and Recreation, Division of Natural Heritage, 217 Governor Street, 3<sup>rd</sup> Floor, Richmond, Virginia.
- **Tuberville, T. D.** 1999. The Cave Dweller. The World and I. May 1999. (Magazine

article)

- **Tuberville, T. D.** 1998. Effects of soil disturbance by gopher tortoises (*Gopherus polyphemus*) on vegetation structure and composition in a pine-oak sandhills community. M.S. Thesis, University of Georgia, Athens, GA. 94 p.

### Recent Invited Presentations

- **Tuberville, T.D.**, K.A. Buhlmann, T. Norton, B. Moule, and V. Greco. Head-starting as a management component for gopher tortoises (*Gopherus polyphemus*): results and observations from three study sites. Turtle Head-starting Symposium, Joint Meetings of Ichthyologists and Herpetologists, Providence, RI (Invited). July 2010.
- Buhlmann, K.A., **T.D. Tuberville**, S. Koch, B. Butler, V. Palmero, B. Bastarach. Reintroduction and Head-starting as Conservation Tools for Blanding's Turtles. Turtle Head-starting Symposium, Joint Meetings of Ichthyologists and Herpetologists, Providence, RI (Invited). July 2010.
- **Tuberville, T.D.**, J.W. Gibbons, and H. Balbach. Modeling extinction risk of native and translocated gopher tortoise populations: developing a decision tree for managing "at-risk" populations. Symposium: Wildlife reintroduction: integrating population recovery and wildlife science, The Wildlife Society Annual Conference, Tucson, AZ. 22-26 September 2007. (Invited).

### Recent Contributed Oral Presentations

- **T.D. Tuberville**, B.B. Harris, and I.L. Brisbin, Jr. Long-term fidelity to overwintering sites by eastern box turtles (*Terrapene carolina carolina*) in South Carolina. Turtle Survival Alliance meeting, Orlando, FL. August 2010.
- Paller, M., J. Feminella, E. Kosnicki, S. Sefick, M. Jarrell, D. Fletcher, **T. Tuberville**, S. Sterrett, A. Grosse, B. Prusha. Ecological Reference Models for Blackwater Streams: a Prerequisite for Successful Ecosystem Recovery and Management. South Carolina Water Resources Meeting. November 2010.
- Buhlmann, K.A., **T.D. Tuberville**, S.M. Koch, B. Butler, V. Palmero. 2009. Reintroduction and Head-Starting as Conservation Tools for Blanding's Turtles. Annual Meeting of the Turtle Survival Alliance, St. Louis, Missouri. August 2009.
- Buhlmann, K., **T. Tuberville**, S. Koch, B. Butler, V. Palermo, J. St. Sauver, E. McGourty. Reintroduction as a conservation tool for Blanding's turtle. Joint Meetings of Ichthyologists and Herpetologists, Portland, OR. July 2009.
- **Tuberville, T.**, T. Norton, T. Glenn, B. Waffa. Mating system in a gopher tortoise population established through multiple translocations: apparent advantage of prior residence. Joint Meetings of Ichthyologists and Herpetologists, Portland, OR. July 2009.

### Recent Poster Presentations

- Lance, S., W. Flynn, M. Erickson, G. Mills, **T. Tuberville**, and D. Scott. Effects of copper on gene expression and population genetics of pond-breeding amphibians. Ecological Genomics Symposium, Kansas City, MO. 5-7 November 2010.

- Grosse, A.M., R.V. Horan III, D.E. Scott, B.B. Harris, T.M. Murphy, B.S. Metts, and **T.D. Tuberville**. Reptiles as Long-lived Receptors for Ecological Risk Assessment in Aquatic Ecosystems of the Southeastern U.S. Turtle Survival Alliance meetings, Orlando, FL. August 2010.
- Erickson, M., S. Lance, W. Flynn, G. Mills, T. Murphy, **T. Tuberville**, and D. Scott. Copper effects on pond-breeding amphibians. American Genetic Association (Meeting theme: Conservation Genomics). University of Hawaii, Hilo. 26-28 July 2010.
- Andrews, K.M., **T.D. Tuberville**, J.D. Westervelt, J.N. Macey, L.N. Carlile. Using individual-based modeling to investigate the influence of landscape variables on persistence of gopher tortoise populations. Joint Meeting of Ichthyologists and Herpetologists meeting, Providence, RI. 7-12 July 2010.
- Andrews, K.M., **T.D. Tuberville**, J.D. Westervelt, J.N. Macey, L.N. Carlile. Using individual-based modeling to investigate the influence of landscape variables on persistence of gopher tortoise populations. Landscape Ecology meetings, Athens, GA. 5-9 April 2010.
- Erickson, M.R., G. Mills, **T. Tuberville**, S. Lance, D. Scott. H-02 Wetland Amphibian Studies. Regional SETAC meeting, Athens, GA. March 2010.
- **T.D. Tuberville**, K.M. Andrews, J.D. Westervelt, J.N. Macey, and L.N. Carlile. Using individual behavior-based modeling to predict long-term viability of gopher tortoise populations on Ft. Stewart Military Installation, GA. Southeastern Partners in Amphibian and Reptile Conservation meeting, Ocala, FL. February 2010.
- Paller, M., J. Feminella, E. Kosnicki, S. Sefick, M. Jarrell, D. Fletcher, **T. Tuberville**, S. Sterrett, A. Grosse, B. Prusha. Characterization of minimally disturbed streams on the southeastern Atlantic Coastal Plain (SI-1694). Annual SERDP Conference, Partners in Environmental Technology Technical Symposium & Workshop: Meeting DOD's Environmental Challenges. Washington, DC. December 2009.
- **Tuberville, T.**, K. M. Andrews, J. Westervelt, J. Macey, L. Carlile. 2009. Using Individual Behavior-Based Modeling to Guide Management of Gopher Tortoise Populations on Fort Stewart Military Installation, Georgia. Engineer and Research Development Center (CERL) Conference, Memphis, November 2009
- **Tuberville, T.**, K. M. Andrews, J. Westervelt, J. Macey, L. Carlile. 2009. Using Individual Behavior-Based Modeling to Guide Management of Gopher Tortoise Populations on Fort Stewart Military Installation, Georgia. Cooperative Ecosystems Studies Unit (CESU) Conference, Orange Beach, AL, October 2009.
- **Tuberville, T.**, K. M. Andrews, J. Westervelt, J. Macey, L. Carlile. Using Individual Behavior-Based Modeling to Guide Management of Gopher Tortoise Populations on Fort Stewart Military Installation, Georgia. Joint Meetings of Ichthyologists and Herpetologists, Portland, OR, July 2009
- Lance, S., **T. Tuberville**, R. Elsey, P. Trosclair, and T. Glenn. Multi-year multiple paternity and mate fidelity in the American alligator. Joint Meetings of Ichthyologists and Herpetologists, Portland, OR, July 2009.

- Balbach, H., **T.D. Tuberville**, and J. Whitfield Gibbons. Population viability without population data: creating a virtual population profile. e-Biosphere 09: The International Conference on Biodiversity Informatics. London, UK. June 2009.
- Koch, S., K. Buhlmann, B. Butler, **T. Tuberville**, V. Palermo, J. St. Sauver, and E. McGourty. Repatriation of Blanding's turtles to Assabet River National Wildlife Refuge. Region 5 USFWS Conference, Virginia Beach, VA. February 2009.

### **Current & Pending Grants**

- **Tuberville, T.D.**, Kurt A. Buhlmann, Brian D. Todd. 2010. National Park Service. Desert tortoise juvenile survivorship at Mojave National Preserve. \$450K. (15yr project)
- **Tuberville, T.D.**, K.A. Buhlmann. 2010. California Energy Commission (via subcontract from University of California-Davis for project funded to Lead PI: B.D. Todd). Habitat Suitability Models and Use of Head-Start Techniques as Planning and Mitigation Tools for Ensured Persistence of Mojave Desert Tortoises to Offset Solar Energy Projects. \$86K (of \$313K project total; 4yr project).
- **Tuberville, T.D.**, and D.E. Scott. 2010. ARRA: Reptiles as long-lived receptors for ecological risk assessment on the SRS. SRNS – ACP. \$258K.
- **T.D. Tuberville**, D.E. Scott, S.L. Lance, R.R. Sharitz. 2010. H-O2 Constructed Wetlands Studies: Amphibians and Plants. NNSA. \$413K.
- **Tuberville, T.D.**, D. Fletcher. 2010. Stream Ecological Reference Model Development. Subcontract from SRNL, funded by SERDP grant. \$94K. (Tuberville portion for GIS work is \$60K; 2<sup>nd</sup> year installment of 3 yr project).
- **T.D. Tuberville**. 2010. A survey of NAS Whiting Field & Associated Properties for Gopher Tortoises and Burrow Commensals. Department of Defense. \$21.4K.
- Buhlmann, K.A., and **T.D. Tuberville**. 2010. Research and monitoring of the gopher tortoise reintroduction project at the Aiken Gopher Tortoise Heritage Preserve. South Carolina Department of Natural Resources. \$22.4K.
- Andrews, K.A., J. Waldron, and **T.D. Tuberville**. 2010. Direct and Indirect Effects of Exurbanization on the Eastern Diamondback Rattlesnake. Riverbanks Zoo Conservation Fund. \$9.2K.
- Koch, S., K.A. Buhlmann, **T.D. Tuberville**, and B. Butler. 2009. Habitat enhancement and restoration for Blanding's turtles. National Fish and Wildlife Foundation-Bring Back the Natives. P.I. will be U.S. Fish and Wildlife Service; subcontract to SREL. Total award: \$24.9K

### **Recent Grants Received**

- Buhlmann, K.A., and **T.D. Tuberville**. 2009. Research and monitoring of the gopher tortoise reintroduction project at the Aiken Gopher Tortoise Heritage Preserve. South Carolina Department of Natural Resources. \$18.4K.
- **Tuberville, T.D.**, D. Fletcher. 2009. Stream Ecological Reference Model Development. Subcontract from SRNL, funded by SERDP grant. \$69K. (Tuberville portion for GIS work is \$40K; 1<sup>st</sup> year installment of 3 yr project).

- **Tuberville, T.D.** 2008. Using individual behavior-based modeling to predict population response and long-term viability of “Species at Risk”. U.S. ERDC-CERL. \$124K (over 2 yrs).
- **Tuberville, T.D.** 2008. Reproductive ecology and offspring survival in translocated gopher tortoises (*Gopherus polyphemus*). The Environmental Resources Network, Inc. (Friends group of Georgia DNR). \$4K.
- Gibbons, J.W., and **T.D. Tuberville**. 2008. Genetic mating system of translocated gopher tortoises. Riverbanks Zoo and Garden Conservation Support Fund. \$5K.
- Sharitz, R.R., D.E. Scott, and **T.D. Tuberville**. 2008. H-O2 Constructed Wetlands Studies: Amphibians and Plants. NNSA. \$325K.
- **Tuberville, T.D.**, S.L. Lance, D. Kling. 2008. Support of LoDif facility at Par Pond. Subcontract from SRNL. \$48K.
- **Tuberville, T.D.** 2006. Landscape-scale conservation genetics of *Heterodon platirhinos* and *H. simus*: A comparison of two closely related sympatric species with contrasting spatial ecologies. J. Larry Landers Student Research Award, Gopher Tortoise Council. 2006. \$900
- **Tuberville, T.D.**, and T. M. Norton. 2006. Modeling Extinction Risk of Native and Translocated Gopher Tortoise Populations: Developing a Decision Tree for Managing “At Risk” Populations. Chelonian Research Foundation, Linnaeus Fund. \$1.5K.
- Gibbons, J.W., and **T.D. Tuberville**. 2006. Modeling Extinction Risk of Native and Translocated Gopher Tortoise Populations: Developing a Decision Tree for Managing “At Risk” Populations. U.S. Army Corps of Engineers Research Lab. \$43K.
- U.S. Army Corps of Engineers Research Lab. 2003. Effects of Forestry Practices on the Gopher Tortoise as an Extension to SERDP Project CS 1302 (see below). To J.W. Gibbons and **T.D. Tuberville**. (\$100K for 2003-2004)
- Sharitz, R.R. et al. (**TDT** is 1 of 7 PIs). 2002. Impacts of Military Training and Land Management on Threatened and Endangered Species in the Southeastern Fall Line/Sandhills Community.
- Gibbons, J.W., **T. D. Tuberville**, and K.A. Buhlmann. 2000. Development of a Conservation Strategy for a Small, Isolated Population of Gopher Tortoises on a Public Preserve in South Carolina. Heritage Trust Program, South Carolina Department of Natural Resources. \$9K.
- Gibbons, J.W., and **T. D. Tuberville**. 1999. Activity and Movement Patterns of the Southern Hognose Snake (*Heterodon simus*) in South Carolina. U.S. Fish and Wildlife Service. \$10K.
- **T.D. Tuberville**. 1998. Activity and Movement Patterns of the Southern Hognose Snake (*Heterodon simus*) in South Carolina. Gopher Tortoise Council. \$1K.
- Buhlmann, K.A., R.H. Kerr, and **T.D. Tuberville**. 1998. Distribution, Population Size Structure, and Effects of Harvesting in the Jamaican Slider Turtle (*Trachemys terrapen*). Chelonian Research Foundation. \$800.
- Gibbons, J.W., **T.D. Tuberville**, and M.E. Dorcas. 1997. Population Survey of Gopher Tortoises (*Gopherus polyphemus*) on the Tillman Sand Ridge Heritage Preserve, Jasper Co., SC. Heritage Trust Program, South Carolina Department of Natural Resources. \$5K.

## **Awards and Honors**

2009. *Turtles of the Southeast* (by Buhlmann, Tuberville & Gibbons). Named by Library Journal as one of the best science reference books for 2008. (Announcement in April 2009; see link - <http://www.libraryjournal.com/article/CA6650277.html>)
2008. Eugene P. Odum Award for Best Student Oral Presentation in Ecology, annual meeting of the Association of Southeastern Biologists
2008. Student Research Award, Association of Southeastern Biologists
2004. Student Award Finalist, Society for Conservation Biology.
2004. Student Poster Award, 2<sup>nd</sup> place, Savannah River Ecology Lab Graduate Student Symposium
1997. Student Travel Award, Society for the Study of Amphibians and Reptiles
1996. Student Research Award in Aquatic Biology, Association of Southeastern Biologists
1994. Research Award for Best Undergraduate Paper, Sigma Xi
1993. Induction into Phi Beta Kappa
1993. Distinguished Research in Biology Award, Furman University
- 1992-1993. All American Scholar
- 1990-1993. Phi Eta Sigma Honor Society

## **Meetings / Symposiums Organized**

- Annual meeting of the Gopher Tortoise Council. Meeting theme: Conservation and Management of Snakes of the Xeric Uplands. Savannah River Ecology Lab, Aiken, SC. 20-21 October 2000.