

## VITA

### WILLIAM EDWARD PALMER

#### EDUCATION

Virginia Polytechnic Institute and State University, B. S., Wildlife Ecology. 1987.

Mississippi State University, M. S., Wildlife and Fisheries Sciences. 1990.

North Carolina State University, Ph. D. Department of Zoology. 1995.

#### EMPLOYMENT EXPERIENCE

Senior Scientist and Associate Research Director,  
Tall Timbers Research Station, 2007 – present.

Associate Scientist and Robert C. Balfour Game Bird Management Research Fellow,  
Tall Timbers Research Station, 2001 - 2006t.

Assistant Scientist and Robert C. Balfour Game Bird Management Research Fellow,  
Tall Timbers Research Station, 1997 - 2001.

Extension Associate, Department of Zoology, North Carolina State University, 1995 - 1996.

#### PUBLICATIONS

##### Peer-Reviewed

Terhune, T. M., D. C. Sisson, W. E. Palmer, H. L. Stribling, and J. P. Carroll. 2007. Raptor predation of northern bobwhite nests. *Journal of Raptor Ecology*. *In Review*

Little, I, S. D. Wellendorf, W. E. Palmer, and J. P. Carroll. 2007. Effects of timber volume northern bobwhite autumn abundance. *National Quail Symposium*. *In Press*

Whitelaw, R. E., W. E. Palmer, S. D. Wellendorf, and J. P. Carroll. 2007. Winter use of supplemental feed by northern bobwhite. *National Quail Symposium*. *In Press*

Wellendorf, S. D., and W. E. Palmer. 2007. Effects of two burning scales on northern bobwhite demographic rates and home range size. *National Quail Symposium*. *In Press*

Palmer, W. E., and S. D. Wellendorf. 2007. Effects of radiotransmitters on northern bobwhite survival. *Journal of Wildlife Management*. 71(4):1281–1287.

Folk, T. A., J. B. Grand, W. E. Palmer, J. A. Carroll, , D. C. Sisson, T. M. Terhune, S. D.

- Wellendorf, H. L. Stribling. 2007. Estimates of Survival from Radiotelemetry: a Response to Guthery and Lusk. *Journal of Wildlife Management*. 71(4):1027–1033.
- Faircloth, B.C., G. P. Keller, C. J. Narin, W. E. Palmer, J. P. Carroll, and P. A. Gowaty. Tetranucleotide microsatellite primers from eastern bluebirds (*Sialia sialis*). 2006. *Molecular Ecology* 6:646-649.
- Palmer, W. E., S. D. Wellendorf, J. R. Gillis, and P. T. Bromley. 2005. Effects of field borders and mesomammal reduction on bobwhite abundance on North Carolina farms. *The Wildlife Society Bulletin*. 33(4):1398-1405.
- Wellendorf, S. D., and W. E. Palmer. 2005. Investigating the use of covey call point counts to estimate autumn density of northern bobwhites. *Wildlife Biology in Practice* 1(2):140-145.
- Staller, E. L., W. E. Palmer, J. P. Carroll, R. P. Thornton, and D. C. Sisson. 2005. Identifying predators at northern bobwhite nests and nest predation relative to predator abundance *Journal of Wildlife Management* 69:124-132.
- Faircloth, B. C., Allison Reid, Teresa A. Valentine, Soo Hyung Eo, Theron M. Therhune, Travis C. Glenn, William E. Palmer, Campbell Joseph Nairn, and John P. Carroll. 2005. Tetranucleotide, trinucleotide, and dinucleotide loci from the bobcat (*Lynx rufus*). *Molecular Ecology Notes* 5:387-389.
- Faircloth, B., W. E. Palmer, J. C. Carroll. 2005. Post-hatching brood amalgamation in Northern Bobwhites. *Journal of Field Ornithology* 76:175-182.
- Butler, D. A., W. E. Palmer, and S. D. Dowell. 2004. Passage of arthropod diagnostic fragments in northern bobwhite chicks. *Journal of Field Ornithology* 75:372-375
- Schable, N. A., B. C. Faircloth, W. E. Palmer, J. P. Carroll, L. W. Burger, L. A. Brennan, C. Hagen, and T. C. Glenn. 2004. Tetranucleotide and dinucleotide microsatellite loci from the northern bobwhite. *Molecular Ecology Notes*: 4:415-419.
- Welch, J. R., K. V. Miller, W. E. Palmer, and T. B. Harrington. 2004. Response of understory vegetation important to northern bobwhite following imazapyr and mechanical treatments. *Wildlife Society Bulletin*. 32:1071-1076.
- Wellendorf, S. D., W. E. Palmer, and P. T. Bromley. 2004. Estimating calling rates of northern bobwhite coveys and measuring abundance. *Journal of Wildlife Management* 68:672–682.
- Smith, M. D., A. D. Hammond, L. W. Burger, Jr., W. E. Palmer, A. V. Carver, and S. D. Wellendorf. 2003. A technique for capturing northern bobwhite quail chicks. *Wildlife Society Bulletin* 31:1054-1060.

- Engstrom, R. T. and W. E. Palmer. 2003. Two species in one ecosystem: Management of Northern Bobwhite and Red-cockaded woodpecker in the Red Hills. Forest Service General Technical Report PSW-GTR 191.
- Palmer, W. E., S. D. Wellendorf, L. A. Brennan, W. R. Davidson, and F. E. Kellogg. 2002. Hunting success and northern bobwhite density on Tall Timbers Research Station: 1970 - 2001. National Quail Symposium 5:213-217.
- Staller, E. L., W. E. Palmer, and J. P. Carroll. 2002. Macrohabitat composition surrounding successful and depredated northern bobwhite nests. National Quail Symposium 5:61-65.
- Palmer, W. E., M. W. Lane III, and P. T. Bromley. 2001. Human-imprinted northern bobwhite chicks and arthropod foods in habitat patches. Journal of Wildlife Management. 65: 861-870.
- Carver, A. V., L. W. Burger, Jr., W. E. Palmer, and L. A. Brennan. 2001. Vegetation characteristics in seasonal-disked fields and at bobwhite brood locations. Annual Conference Southeastern Association of Fish and Wildlife Agency Proceedings 55:436-444.
- Marcus, J. F., W. E. Palmer, and P. T. Bromley. 2000. The effects of farm field borders on overwintering sparrow densities. Wilson Bulletin 112:517-523.
- Puckett, K. M., W. E. Palmer, P. T. Bromley, J. R. Anderson, Jr., and T. L. Sharpe. 2000. Effects of filter strips on habitat use and home range of northern bobwhites on Alligator River National Wildlife Refuge. National Quail Symposium Proceedings 4:26-31.
- Palmer, W. E., K. M. Puckett, J. R. Anderson, and P. T. Bromley. 1998. Effects of foliar insecticides on quail chick survival. Journal of Wildlife Management 62:1565-1573.
- Palmer, W. E. and G. A. Hurst. 1998. Prescribed burning effects on wild turkey hens during preincubation. Tall Timbers Fire Ecology Proceedings 20:102-106.
- Warson, B. E., W. E. Palmer, J. R. Anderson, and P. T. Bromley. 1998. Maintaining early-successional habitats using a metal wick herbicide applicator. Annual Conference Southeastern Association Fish Wildlife Agencies Proceedings 52: 265-273.
- Puckett, K. M., W. E. Palmer, P. T. Bromley, and J. R. Anderson, Jr. 1997. Bobwhite nesting ecology and modern agriculture: field examination with manipulation. Annual Conference Southeastern Association Fish Wildlife Agencies Proceedings 49:507-517.
- Palmer, W. E., G. A. Hurst, and R. D. Flynt. 1996. Pre-incubation habitat use of wild turkey hens in central Mississippi. Annual Conference Southeastern Association Fish Wildlife Agencies Proceedings 50:417-427.

- Morris, J. T., P. T. Bromley, J. R. Anderson, Jr., R. C. Abt and W. E. Palmer. 1996. Investments in wildlife enhancement through widespread implementation of sustainable agriculture for social and economic benefits. *North American Wildlife and Natural Resources Conference Proceedings* 61:274-279.
- Palmer, W. E., K. D. Godwin, G. A. Hurst, and D. A. Miller. 1996. Effects of prescribed burning on wild turkeys. *North American Wildlife and Natural Resources Conference Proceedings* 61:228-236.
- Palmer, W. E. and G. A. Hurst. 1994. Creek drainage systems as minimum habitat management units for wild turkey hens. *National Wild Turkey Symposium Proceedings* 7:97-101.
- Palmer, W. E., G. A. Hurst, J. E. Stys, D. R. Smith, and J. D. Burk. 1993. Survival rates of wild turkey hens using loblolly pine plantations in Mississippi. *Journal of Wildlife Management* 57(4) 783-789.
- Palmer, W. E., S. R. Priest, R. S. Seiss, P. S. Phalen, and G. A. Hurst. 1993. Reproductive effort and success in a declining wild turkey population. *Annual Conference Southeastern Association Fish and Wildlife Agencies Proceedings* 47:138-147.
- Palmer, W. E., G. A. Hurst, B. D. Leopold, and D. C. Cotton. 1991. Body weights and sex and age ratios for the swamp rabbit in Mississippi. *Journal of Mammalogy* 72:620-622.
- Palmer, W. E., G. A. Hurst, and J. R. Lint. 1990. Effort, success, and characteristics of spring turkey hunters on Tallahala Wildlife Management Area, Mississippi. *National Wild Turkey Symposium Proceedings* 6:208-213.
- Godwin, K. D, W. E. Palmer, G. A. Hurst, and R. L. Kelly. 1990. Movements, harvest and survival of wild turkey gobblers as related to management area boundaries. *Annual Conference Southeastern Association Fish Wildlife Proceedings* 44:260-267.

#### Peer-Edited

- Masters, R., K. Robertson, W. Palmer, J. Cox, K. McGorty, L. Green, and C. Ambrose. Red Hills Forest Stewardship Guide. Tall Timbers Miscellaneous Publication 12.
- Burger, L. W., M. D. Smith, R. Hamrick, W. E. Palmer, and S. D. Wellendorf. 2004. CP-33- Upland Habitat Buffers Monitoring Protocol. Southeast Quail Study Group.
- Palmer, W. E., K. M. Robertson, R. E. Masters. 2004. The culture of fire in the South. *North American Wildlife Natural Resource Conference*. 69:354 – 368 (Invited Paper).

Palmer, W. E. 2002. Penisular Florida – BCR 31 *in* Dimmick, R.W., M.J. Gudlin, and D.F. McKenzie, eds. The northern bobwhite conservation initiative. Miscellaneous publication of the Southeastern Association of Fish and Wildlife Agencies, South Carolina. 96 pp.

Brennan, L. A., R. T. Engstrom, W. E. Palmer, S. M. Herman, G. A. Hurst, L. W. Burger, and C. L. Hardy. 1998. Whither wildlife without fire? North American Wildlife and Natural Resources Conference Proceedings 63:402-414.

Bromley, P. T., W. E. Palmer, and S. D. Wellendorf. 2001. Effects of mesomammal reduction and field borders on bobwhite and songbird abundance on farms in North Carolina and Virginia. Project Final Report.

#### Book Reviews:

Palmer, W. E. and J. A. Carroll. 2003. Pheasants, Partridges, and Grouse: A Guide to the Pheasants, Partridges, Quails, Grouse, Guineafowl, Buttonquails and Sandgrouse of the World. *Auk* 120:920-921.

#### Edited Proceedings:

Brennan, L. A., W. E. Palmer, L. W. Burger, Jr., and T. L. Pruden (eds.). 2000. Quail IV: Proceedings of the fourth national quail symposium. 2000. Tall Timbers Research Station, Tallahassee, FL.

#### Abstracts

Carroll, J. P., W. E. Palmer, D. C. Sisson, H. L. Stribling, R. P. Thornton, E. L. Staller. 2005. Meso-mammalian predation management and nesting ecology of northern bobwhite (*Colinus virginianus*): Preliminary Results International Union of Game Biologists, Germany, *In Press*.

Faircloth, B. C., W. E. Palmer, J. P. Carroll. 2005. Variation in survival within and among Northern Bobwhite (*Colinus virginianus*) coveys. International Union of Game biologists, Germany. *In Press*.

Palmer, W. E., S. D. Wellendorf, and J. A. Carroll. 2004. Influence of supplemental feeding on northern bobwhites populations. The Wildlife Society 10<sup>th</sup> annual meeting.

Wellendorf, S. D., W. E. Palmer, and P. T. Bromley. 2003. Effects of field borders and mesomammal reduction on bobwhite on farms in North Carolina. The Wildlife Society 9<sup>th</sup> annual meeting.

- Wellendorf, S. D., W. E. Palmer, and P. T. Bromley. 2002. Habitat selection of northern bobwhite coveys on two intensive agricultural landscapes in eastern North Carolina. National Quail Symposium 5:191.
- Welch, J. R., K. V. Miller, and W. E. Palmer. 2002. Response of vegetation important to northern bobwhites following chemical and mechanical treatments. National Quail Symposium 5:156.
- Smith, M. D., A. D. Hammond, L. W. Burger, W. E. Palmer, A. V. Carver, and S. Szukaitis. 2002. Methods for capturing, marking and estimating survival of northern bobwhite chicks. National Quail Symposium 5:220.
- Wellendorf, A. V. Carver, and W. E. Palmer. 2002. Comparison of methods to capture bobwhites during summer. National Quail Symposium 5:219.
- Palmer, W. E., J. R. Anderson, Jr., and P. T. Bromley. 2000. Brain cholinesterase depression and mortality of bobwhite chicks exposed to granular chlorpyrifos or fonofos to peanut vines. National Quail Symposium Proceedings 4:138.
- Palmer, W. E., J. R. Anderson, Jr., and P. T. Bromley. 2000. Exposure of captive bobwhites to an at-planting application of terbufos (Counter 15G) to corn. National Quail Symposium Proceedings 4:139.
- Hurst, G. A. and W. E. Palmer. 1988. Vegetative responses to hexazinone for site prep. Proceedings Southern Weed Science Society 41:210.
- Extension and Popular Publications
- Palmer, W. E. 2006. Tall Timbers Report – Remembering the basics. Quail Unlimited Magazine Volume 136.
- Palmer, W. E. 2003. Habitat management results in record population. Covey Rise 1(6):16
- Palmer, B., L. Burger, and D. C. Sisson. 2001. Part three of a trilogy: the new ground effect. Quail Unlimited Magazine 108.
- Palmer, B., L. Burger, and D. C. Sisson. 2001. Part two of a trilogy: predation and bobwhites: a century later. Quail Unlimited Magazine 106.
- Palmer, B., W. Burger, and D. Clay Sisson. 2000. Part one of a trilogy: predation and bobwhite: a century later. Quail Unlimited Magazine 104.
- Sisson, D. C., W. E. Palmer. Bobwhite quail management in the next millennium. 2000. Red

## Hills Field Trial Handbook.

- Palmer, W. E. 1999. Can new technologies increase wildlife populations? *The Edge* 2:11.
- Moser, W. K. and W. E. Palmer. 1997. Quail habitat and forest management: what are the opportunities? *Forest Land Owner Manual* 31:56-63.
- Anderson, J., B. Palmer, and P. Bromley. 1996. Bringing back the bobwhite quail: a role for no-till. *Partners Conservation Technology Information Center* 14:1-2. Purdue University, Lafayette, Indiana.
- Palmer, W. E. and P. T. Bromley. 1992. Pesticides and wildlife: a review for natural resource managers. N.C. Cooperative Extension Service. Publication AG-475. 27pp.
- Palmer, W. E., Bromley, P. T., and J. R. Anderson, Jr. 1992. Pesticides and wildlife: Soybeans N.C. Cooperative Extension Service. AG-463-1.
- Palmer, W. E., Bromley, P. T., and J. R. Anderson, Jr. 1992. Pesticides and wildlife: Corn: N.C. Cooperative Extension Service. AG-463-2.
- Palmer, W. E., Bromley, P. T., and J. R. Anderson, Jr. 1992. Pesticides and wildlife: Tobacco. N. C. Cooperative Extension Service. AG-463-3.
- Palmer, W. E., Bromley, P. T., and J. R. Anderson, Jr. 1992. Pesticides and wildlife: Cotton. N.C. Cooperative Extension Service. AG-463-4.
- Palmer, W. E., Bromley, P. T., and J. R. Anderson, Jr. 1992. Pesticides and wildlife series: Peanuts. N.C. Cooperative Extension Service. AG-463-5.
- Palmer, W. E., Bromley, P. T., and J. R. Anderson, Jr. 1992. Pesticides and wildlife series: Small Grains. N.C. Cooperative Extension Service. AG-463-6.
- Palmer, W. E., Bromley, P. T., and J. R. Anderson, Jr. 1992. Pesticides and wildlife: Fruit Trees. N.C. Cooperative Extension Service. AG-463-7.
- Palmer, W. E., Bromley, P. T., and J. R. Anderson, Jr. 1992. Pesticides and wildlife: Christmas Trees. N.C. Cooperative Extension Service. AG-463-8.

## Tall Timbers Outreach Publications

Each year I produce a newsletter called the Quail Call. In addition, I provide articles for our Annual Report, Tall Timbers News, Donor Report and 6 editions of the Research Notes.

Palmer, W. E. 2006. Quail Call. Tall Timbers Research Station Volume 10.

- Palmer, W. E. 2005. Quail Call. Tall Timbers Research Station Volume 9.
- Palmer, W. E. 2004. Quail Call. Tall Timbers Research Station Volume 8.
- Palmer, W. E. 2003. Quail Call. Tall Timbers Research Station Volume 7.
- Palmer, W. E. 2002. Quail Call. Tall Timbers Research Station Volume 6.
- Palmer, W. E. 2001. Quail Call. Tall Timbers Research Station Volume 5.
- Palmer, W. E. 2000. Quail Call. Tall Timbers Research Station Volume 4.
- Palmer, W. E. 1999. Quail Call. Tall Timbers Research Station: Volume 3.
- Palmer, W. E. 1998. Quail Call. Tall Timbers Research Station Volume 2.
- Palmer, W. E. 1997. Quail Call. Tall Timbers Research Station Volume 1.

#### Invited Extension Presentations

I have been invited to make presentations at workshops and at universities on topics including (1) effects of pesticides on wildlife, (2) bobwhite ecology and habitat management, (3) pine thinning for wildlife habitat, (4) prescribed burning for improving wildlife habitat and (5) benefits of conservation tillage crop production, and (6) predator management and ecology. These presentations were invited by Florida Fish and Wildlife Conservation Commission, Virginia Department of Game and Inland Fisheries, North Carolina Wildlife Resources Commission, Mississippi Department of Fisheries Wildlife and Parks, Georgia Department of Natural Resources, Joseph Jones Ecological Research Center, Departments of Zoology and Forestry at the University of Florida, Department of Wildlife Sciences at Mississippi State University, University of Florida Cooperative Extension Service, North Carolina Cooperative Extension Service, Quail Unlimited, Monsanto Company and the National Resources Conservation Service.

Recent invited examples include:

*Effects of Predation on Bobwhites in Red Hills.* Joseph Jones Ecological Research Station.  
Newton Georgia, October 2006.

*Quail and snake conservation: Conflict or Cooperation* Partners in Reptile Conservation, Solon  
Dixon Center, Andalusia, Alabama February 2006.

*Managing Predation,* University of Florida Short-course, Arcadia, Florida October 2005

*Timber management and bobwhites* Alabama National Wildlife Federation, Andalusia, Alabama: August, 2005

*Management of northern bobwhite populations and habitats* Forestry Society of America, Jacksonville, Florida: November, 2004

*Bobwhite Quail: Habitat Restoration and the Economic Potential for Private Landowners*, National Symposium on Sustainable Natural Resource-Based Alternative Enterprises. Starkville, Mississippi, May 2003.

*Effects of Field Borders on Early-Successional Birds*. National Resources Conservation Service Buffers Shortcourse. Starkville, Mississippi. May 2001.

*Managing Quail on Agricultural Landscapes*. Mississippi Department of Wildlife, Fisheries and Parks Quail Management Shortcourse. Greenwood, Mississippi. August 2000.

*Effects of herbicides on wildlife: the agricultural experience*. National Council for Air and Stream Improvement Southern Regional Meeting. New Orleans, Louisiana. July 2000.

*Biotechnology and Wildlife*. Wildlife Colloquium, Monsanto Company, St Louis, Missouri. May 2000.

*Predators and Bobwhite*. Predation Workshop. Jones Ecological Research Center, Newton, Georgia. June 2000

*Predators, Farming Practices, and Quail*. Georgia Department of Natural Resources, Newton Georgia. March 2000.

*Demographics of Quail Populations*. Georgia Department of Natural Resources Bobwhite Quail Initiative Training, Newton, Georgia. August 1999.

*Field Borders - Establishment and maintenance - value to quail*. Georgia Department of Natural Resources Bobwhite Quail Initiative Training, Newton, Georgia. August 1999.

#### Scientific Presentations

May, 2006. 12<sup>th</sup> Perdix Conference and 6<sup>th</sup> National Quail Symposium, Athens, Georgia:  
*Effects of radiotransmitters on survival and harvest of northern bobwhites*

August, 2005. Bollenbach Symposium, Oklahoma State University, Stillwater, Oklahoma:  
*Reproduction and bobwhites: the Red Hills Perspective*

August, 2005. University of Florida, Departmental Seminar, Gainesville, Florida:  
*Predation management: a century of misunderstanding*

September, 2004. National Wildlife Society Meeting, Calgary  
*Effects of supplemental feeding on bobwhite populations*

September, 2003. 10<sup>th</sup> International Perdix Conference, Portugal  
*Northern bobwhite reproductive success in relation to mesomammal predator abundance in the Southeastern United States.*

September 2001. 9<sup>th</sup> International Perdix Conference. Cyprus.  
*Using imprinted bobwhite quail chicks to assay insect availability in brood habitats.*

.March, 2001. Tennessee Chapter of the Wildlife Society, Paris Landing, Tennessee.  
*Predation and bobwhite quail*

January, 2001. Game Conservancy Trust, Fordingbridge, United Kingdom.  
*Brood ecology research at Tall Timbers*

September, 1999. Southeast Quail Study Group, Starkville, Mississippi. *Tall Timbers research update* Minimum habitat requirements for northern bobwhite populations on agricultural landscapes. Society of Ecological Restoration. Florida, 1998.

1998. Southeast Association of Fish and Wildlife Agencies, Orlando, Florida.  
*Maintaining early-successional habitats using a metal wick herbicide applicator.*

## **SERVICE**

Coordinator and Editor of the Northern Bobwhite Conservation Initiative Revision, 2006 - present.

Organizing Committee Member, Perdix XII and National Quail Symposium VI, 2005 - present

Member Florida Fish and Wildlife Conservation Commission Northern Bobwhite Task Force  
2004-present

Member Steering Committee, Southeast Quail Study Group, 2003-2005.

Guest Editor, Southeastern Naturalist, 2005

Associate Editor, Journal of Wildlife Management, 2002-2004.

Invited to apply (9/06) Adjunct Faculty Appointment, Department of Wildlife, Texas A&M  
Kingsville

Adjunct Faculty Appointment, Department of Forestry, Auburn University,

2003 – present.

Adjunct Faculty Appointment, Department of Wildlife Sciences, Mississippi State University,  
1998 - present.

Adjunct Faculty Appointment, D. B. Warnell School of Forestry, University of Georgia,  
1998 - present.

Associate Editor, Wildlife Society Bulletin, 1996 - 1997

Chair, Southeast Quail Study Group Research Committee, 1997- 2000.

Invited Member of the Hobart Ames Quail Task Force 1999-2001.

Invited member of the Heritage and Wildlife Council Advisory Committee 2000-present.

Manuscript Referee: *Auk*, *Condor*, *Journal of Field Ornithology*, *Journal of Wildlife Management*, *National Quail Symposium*, *National Wild Turkey Symposium*, *Oecologia*, *Southeastern Association of Fish and Wildlife Agencies*, *Southeastern Naturalist*, *Rangeland Ecology & Management*, *Wildlife Society Bulletin*, *Wilson Bulletin*.

## FUNDING RECORD

Study Topic	Year(s)	Funding Source	Amount
NBCI (Full Proposal Submitted)	2008-2009	NFWF	\$144,500
NBCI Revision	2007-2008	TWRA	\$57,500
Quail Conservation Consortium	2006-2008	Monsanto Company	\$56,250
Upland Ecosystem Restoration Project	2006-2009	FWC	\$291,000
Upland Ecosystem Restoration Project	2006-2007	DEP, DOF, FWC	\$ 49,000
Stable isotopes and snake food webs	2006	FWC	\$ 15,000
Bobwhite and songbird response to NBCI on rangelands	2005-2007	NRCS	\$150,000
Effect of imprinting on reproduction in released northern bobwhite chicks	2005-2007	Private	\$191,000
Scale and season of fire on native dry and wet prairie in central Florida	2005-2009	Private Foundation	\$210,000
Demographic and genetic response of isolated bobwhite population to a release of wild bobwhites	2003-2005	Private	\$ 83,779
Using remote cameras to census turkeys	2004-2005	NWTF	\$ 25,000
Using remote cameras to census	2004-2005	FLNWTF/FWC	\$ 16,950

turkeys			
Private lands quail economics	2004	Southern Company	\$ 10,000
Economic ramifications of altering the farm landscape to benefit bobwhites	2003-2005	FWC	\$ 35,800
Predation management and northern bobwhite population demographics	2000-2006	USDA, In-Kind, UGA	\$702,227 \$452,222
Comparison of predator context and bobwhite demographics in SE U.S.	1999-2002	Quail Unlimited	\$150,000
Quail Research Initiative	1998-present	Tall Timbers Research Station	\$1,503,046
Graduate Research Assistantships	1998-present	University of Georgia	\$148,000
Benefits of conservation tillage cotton production to bobwhites	1998	Monsanto Company	\$ 20,000
Using calling rates of northern bobwhite quail coveys to estimate post-breeding abundance.	1998	Mississippi Dept of Wildlife	\$ 10,500
Estimating post-breeding abundance of bobwhites using covey call counts.	1998	Hobart Ames Foundation	\$ 17,051
Arsenal <sup>R</sup> Herbicide for Managing Northern Bobwhite Quail Habitat in Fire-Maintained Pine Forests (\$40,000 in-kind)	1997	American Cyanamid	\$ 85,000
Effects of field borders and nest predator management bobwhite populations	1996	NCWRC, VDGIF	\$210,737
Small game benefits derived from soybean production	1996	NC Soybean Growers Assoc.	\$ 12,888
<b>Funds Raised during Ph.D. and Post-Doc Program</b>			
Wildlife enhancement & education as catalyst in widespread implementation of sustainable agricultural practices	1995	U.S.D.A.	\$174,000
Effects of sustainable agriculture on farm wildlife	1993	U.S.D.A.	\$130,000
IMP benefits from field borders	1993	NC Sustainable Agriculture Foundation	\$ 3,250
		NC Sustainable	\$ 2,500

Direct effects of pesticides on northern bobwhite	1992	Agriculture Foundation	
Quail habitat on agricultural lands	1991	NC Wildlife Resources Commission	\$ 45,000

## MENTORSHIP

Jeff Marcus, Department of Zoology, North Carolina State University

Graduated 1998.

Thesis Topic: Bird response to field borders on farms.

Authored manuscript for Wilson Bulletin

Biologist, NCWRC

Walter Lane, Department of Zoology, North Carolina State University.

Graduated 1999:

Thesis Topic: Using imprinted quail chicks to assess benefits of no-till agriculture.

Employed by Georgia Department of Natural Resources

Coauthored article in Journal of Wildlife Management

Project Wild Coordinator, GADNR

Jay Welch, D. B. Warnell School of Forestry, University of Georgia.

Graduated 2000:

Thesis Topic: Role of herbicides in quail management in the Red Hills.

Currently a Ph.D. candidate University of Washington

Authored manuscript in The Wildlife Society Bulletin

Veterinary School

Shane Wellendorf, Department of Zoology, North Carolina State University.

Graduated 2000:

Thesis Topic: Estimating calling rates of northern bobwhite coveys.

Coauthored 3 manuscripts, Journal of Wildlife Management, Wildlife Biology, Quail Symposium

Technique adopted by NRCS and Southeast Quail Study Group as population estimation technique for CP33 and NBCI funded projects nationwide

Wildlife Biologist, Tall Timbers

Eric Staller, D. B. Warnell School of Forestry. University of Georgia.

Graduated 2001:

Thesis Topic: Identifying nest predators of bobwhite using IR micro-video cameras.  
Coauthored 2 manuscripts, Journal of Wildlife Management, Quail Symposium  
Resource Manager, Tall Timbers

Adam Hammond, Department of Wildlife Science, Mississippi State University.

Graduated: June 2001  
Thesis Topic: Contrasting brood habitat on intact native ground cover and old field areas.  
Coauthored manuscript for Wildlife Society Bulletin  
Second manuscript in preparation  
Regional Biologist GADNR

Ryan Thorton. D. B. Warnell School of Forestry. University of Georgia.

Graduated: 2003  
Thesis Topic: Density and composition of snake communities on Tall Timbers.  
Coauthored manuscript for Journal of Wildlife Management

Seth Stapleton. D. B. Warnell School of Forestry. University of Georgia.

Graduated: 2005  
Thesis Snake ecology in the Red Hills of Georgia and Florida  
Biologist, NCWRC

Tina Hannon. D. B. Warnell School of Forestry. University of Georgia.

Graduated: 2006  
Thesis Topic: Effects of scale of burning on rodent abundance, survival, and habitat use.  
Oral presentation at TWS  
Research biologist with FWC

Michael Juhan . D. B. Warnell School of Forestry. University of Georgia.

Graduated: 2006  
Thesis Topic: Timber density and turkeys

Kim Sash. D. B. Warnell School of Forestry. University of Georgia.

Projected Graduation: 2006  
Thesis Topic: Density, survival and foraging ecology of rat and corn snakes.  
Oral presentation at TWS

Brant Faircloth, D. B. Warnell School of Forestry. University of Georgia.

Projected Graduation: 2007

Dissertation Topic: Using microsatellite DNA to assess paternity in northern bobwhite.  
Coauthored 5 Manuscripts, Journal of Field Ornithology, IUGB, and Molecular Ecology  
Notes

Theron Terhune, Ph.D. Candidate, D. B. Warnell School of Forestry. University of Georgia.

Projected Graduation 2007

Dissertation Topic: Demographic and genetic effects of translocated bobwhites.

David Butler. Ph. D. Candidate, John Moores University, Liverpool, United Kingdom.

Projected Graduation: 2007

Dissertation Topic: Arthropod selection and availability to bobwhite quail chicks in  
agricultural and native habitats.

Coauthored 1 manuscript, Journal of Field Ornithology

Randy Cass. D. B. Warnell School of Forestry. University of Georgia.

Projected Graduation: 2007

Thesis Topic: Effect of imprinting on future reproduction of released bobwhite chicks

Adam Butler. D. B. Warnell School of Forestry. University of Georgia.

Projected Graduation: 2007

Thesis Topic: Rangeland landscape and micro-variables and songbird abundance.

James Martin. D. B. Warnell School of Forestry. University of Georgia.

Projected Graduation: 2009

Dissertation Topic: Implementing NBCI on South Florida Ranchlands and  
Scale of fire management on native rangelands.

Susan Ellis-Felege. D. B. Warnell School of Forestry. University of Georgia.

Projected Graduation: 2010

Dissertation Topic: Predation and population regulation in bobwhites.

In addition to serving as a co-advisor to graduate students above, I have served on 3 Ph.D. committees and 5 M.S. graduate committees at University of Georgia, Auburn University and as an external reviewer for a Ph.D. at University of Oulu in Finland.

#### Awards

Wildlife Conservationist of the Year, 1997. North Carolina Chapter, National Wildlife Federation.

Graduate Student of the Year, 1994. N.C. State Chapter, The Wildlife Society.

Technical Communications Award of Merit, 1993. North Carolina Chapter of the Society of Technical Communications: Series of Cooperative Extension publications "Pesticides and Wildlife."

Recent Media Recognition:

*PERC Reports*, 24:14-17. September 2006. Hunting for conservation: Barons of Preservation in the Red Hills. Interviewed and Quoted in article.

*Quail News* no. 19. October 2006. Predator Control and Habitat Management Face off in North Carolina. Bollenbach Chair in Wildlife Ecology, Oklahoma State University.

*Covey Rise*, v4(2):3-5 August 2006, "SEQSG begins NBCI revision at 12<sup>th</sup> annual meeting"

*University of Georgia*, June 2006, My collaborative bobwhite research was the lead story on the University's web site, June 24-30.

*Quail Forever Magazine*, Spring 2006. "The Fire Bird: Florida's Tall Timbers Research Station promotes frequent fire to restore bobwhite quail habitat"

*St Petersburg Times*, May 2006, "Quail Population is Hurting: state unsure how to stop negative trend"

*Tallahassee Democrat*, November 27, 2005. "Quail numbers reflect shrinking habitat" This story outlined need for upland restoration projects on public lands.

*Florida Wildlife Magazine*, April, 2005, Ranchland study recognized by FWC's Executive Director as an example of cooperative research the agency is promoting.

*Covey Rise*, v3 number 6 2005, Tall Timbers: "Leadership summit seeks cure for bobwhite quail declines on Florida's public hunting lands."

*Covey Rise*, v3 number 6 2005, Florida officials taking bobwhite decline seriously.

*Covey Rise*, v3 number 6 2005, Tall Timber 2005 Field Day: Managing for bobwhite at Wildfair Plantation.

*Shooting Sportsman*, 2005, Quail Hunting's New Good Old Days: Part 1

*Shooting Sportsman*, 2005, Quail Hunting's New Good Old Days: Part 2

*Get in the Game* Television Show (2005), National Wild Turkey Federation, "Tall Timbers Show

82". Documentary on quail and turkey management at Tall Timbers , Outdoor Life Channel.

*Covey Rise*, V2(6) 2004, Tall Timber's 2004 Field Day – Relationship to timber and bobwhites examined.

*USDA News Release* No. 0355.04. (2004) Tall Timber' award for bobwhite restoration research projects ranked number 1.

*Natural South* Television Show (2004) "On the Trail" Turner Broadcasting Network; show on the ecology of the Red Hills.

*Focus Outdoors* Television Show (2003), Bobwhite Quail Research at Tall Timbers, broadcast on Outdoor Life Channel

*The Life of Mammals: Insect Hunters with David Attenborough* (2003), BBC/ Discovery Co-television production; utilized research on armadillo.

*ESPN2 Outdoor World* -TV (2002). Documentary on bobwhite hunting and management.

*Grays Sporting Journal*-TV (2002). Documentary on bobwhite hunting and management in Red Hills. Outdoor Life Cable Channel

*Guns and Gear* (2002). "Surveillance cameras spy on quail nests"

*Sports Afield Magazine* (2001). Quoted in upcoming article on bobwhite management.

*Progressive Farmer Magazine* (2001). Quoted in two articles in "Managing for Quail: Bringing Back the Bobwhite."

*Associated Press* (2000) Quoted in "Genetically-Modified Crops - Impacts on Biodiversity – Review of Science" article.

*Progressive Farmer Magazine* V115 September 2000. Quoted in article "Bobwhite Quail on Farms."

*Progressive Farmer Magazine* V115 August 2000. Quoted in article "Supplemental feeding."

*Birmingham Post-Herald*. November 28, 2000. Quoted in article “Quail numbers can soar with a little work.”

Web Sites of Interest

<http://www.talltimbers.org/research/gamebird.htm>

<http://gallus.forestry.uga.edu/genetics/index.php>