



The University of Georgia

Daniel B. Warnell School of Forestry and Natural Resources
Forestry, Wildlife, Water and Soil Resources, Fisheries and Aquaculture,
Natural Resource Recreation and Tourism

21 November, 2007

Prof. David E. Shipley, Chair
University Curriculum Committee

Dear Professor Shipley,

The Daniel B. Warnell School of Forestry and Natural Resources wishes to submit the attached proposal for a new non-thesis Master of Natural Resources (MNR) degree. The addition of the MNR degree to our present masters-level degree offerings (Master of Science, Master of Forest Resources) will allow us to serve a growing number of students interested in pursuing a non-thesis degree in natural resource disciplines other than forestry. Our non-thesis Master of Forest Resources (MFR) degree was instituted in 1950 specifically to train graduate-level professional foresters, and our MFR graduates are recognized as such by our employers. However, Warnell's academic programs and students have diversified considerably over the past 57 years, and we find ourselves unable to appropriately serve a growing pool of students and employers in areas outside traditional forestry. The addition on the MNR will allow us offer these constituents a degree that is more appropriate in both name and substance, and we look forward to implementing this new program. The new MNR degree will not require any new personnel or facilities, and we can begin offering it as soon as the proposal reaches the final approval stage.

Thank you for your assistance, and do not hesitate to contact us if we can provide you with any additional information.

Sincerely,

Michael Clutter
Hargreaves Professor and Dean

Ronald Hendrick, Professor
Associate Dean for Academic Affairs

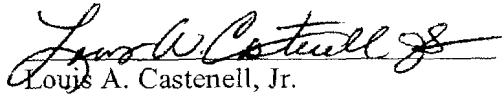


The University of Georgia

Daniel B. Warnell School of Forestry and Natural Resources
Forestry, Wildlife, Water and Soil Resources, Fisheries and Aquaculture,
Natural Resource Recreation and Tourism
Office of the Dean

November 12, 2007

We have read and support the new non-thesis Masters of Natural Resources Degree developed by the Warnell School of Forestry and Natural Resources.



Louis A. Castenell, Jr.
Dean
College of Education
The University of Georgia

11-15-07
Date

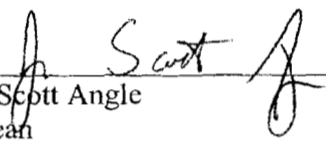


The University of Georgia

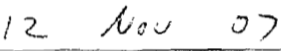
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J. Scott Angle
Dean
College of Agricultural & Environmental Sciences
The University of Georgia



Date



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November 12, 2007

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John Gittleman
Dean
School of Ecology
The University of Georgia

12 Nov. 2007
Date

**The University System of Georgia
New Program Proposal**

Date: 17 October, 2007
Institution: The University of Georgia
School: D.B. Warnell School of Forestry and Natural Resources
Department: N/A
Name of Proposed Program: N/A
Degree: Master of Natural Resources (Non-thesis)
Starting Date: Fall, 2008

Program Description and Objectives

The University of Georgia's Daniel B. Warnell School of Forestry and Natural Resources (Warnell) was founded in 1906, and is the oldest accredited forestry school in the South. Warnell's stated mission is to prepare leaders in the conservation and sustainable management of forests and other natural resources, to discover ways to restore and better use the earth's natural resources, and to put into practice forestry and natural resources knowledge.

Adding the new **Master of Natural Resources (MNR)** program will support Warnell's mission and expand the scope of our graduate program. Students entering the MNR program will have the opportunity to study in subject areas such as fisheries biology and management, wildlife biology and management, natural resources recreation and tourism, and natural resources/conservation interpretation and education. This non-thesis program will meet the educational needs of students pursuing a non-thesis Master's level degree in these areas better than Warnell's existing non-thesis Master of Forest Resources (MFR) degree program, which was implemented in 1950 to serve students studying forest management, economics, policy and forest business.

The MNR degree will provide post-graduate learning experiences for students who desire a career working in the area of natural history interpretation, extension and outreach, development of natural resource instructional materials, natural resources ecology and biology, and other capacities that require skills and abilities in the area of natural resource biology, management and/or education.

Specifically, the objectives of the Master of Natural Resources degree are to:

1. Provide a non-thesis graduate degree option that attracts a diversity of students interested in areas of concentration other than forest management, policy, economics, and forest business;
2. Produce MNR graduates who possess effective communication skills, technical knowledge and understanding of ecological principles, and the capacity to apply critical thinking and problem-solving skills;
3. Enable MNR graduates to critically assess and apply various environmental interpretation and educational skills, tools, and knowledge most pertinent to specific audiences with whom they are working;

4. Utilize existing courses taught within Warnell to provide the foundation of learning for the MNR degree; and
5. By moving non-forestry students to the MNR degree, provide an opportunity to seek professional accreditation for the existing MFR degree to further strengthen it.

Justification and Need for the Program

The intensity and variety of social, economic, and environmental demands that humans place on natural resources have grown along with human population size and diversity. These changes are especially true in the southeastern United States, where there has been dramatic development and population growth in the past 20 years. The wide array of values and needs that people place on natural resources has led to conflicts over resource use and allocation, including water supply, use, and access; the provision and expansion of recreational opportunities on both private and public lands; and the loss of wildlife habitat and “green space” due to urbanization.

One solution to abate conflicts arising from the human/natural resource interaction is to generate a community of resource professionals who can effect change and educate the public through the application and dissemination of sound scientific knowledge using effective communication and management skills. Prepared to work in the private, public, or not-for-profit sectors, these professionals must have the capacity to understand complex biological, social, and/or economic problems; work effectively within the public and private domains for solutions; and educate affected or interested parties. Warnell has long trained forestry professionals to accomplish these tasks in the forestry sector through our MFR program. However, there are unmet needs pertaining to wildlife, fisheries, conservation education, recreation, water resources, etc., for which we have the ability to train students, but for whom we do not offer an appropriate degree.

The demand for such a graduate program within Warnell is growing. For example, during the fall of 2004, five of the fifteen MFR students enrolled in our graduate program studied in areas other than forestry, principally in wildlife biology or conservation education. By the fall of 2006, almost half (nine of twenty) Warnell’s MFR students were studying in areas that the MFR was never intended to serve, including wildlife biology, conservation education, and natural resources recreation and tourism. These students do not fit within, and are not especially well-served by, an MFR program established to produce professionally educated foresters equipped to work primarily in the private forest management and business sectors. Historically, the MFR degree has been understood by our employers and other constituents to be a forestry-specific degree and they expect MFR graduates to be able to sit for the State of Georgia (or other state’s) Registered Forester exam. The expansion of our MFR program to include students from other majors has confused matters, such that employers no longer have any assurance that MFR graduates are competent professional foresters. These non-thesis master’s students from other majors are not academically qualified to sit, nor are they typically interested in sitting, for the State of Georgia Registered Forester exam. The inclusion of non-foresters in the MFR Degree Program also precludes us from seeking accreditation for the degree from the Society of American Foresters (SAF). Once we have established the MNR degree, we will seek accreditation from SAF for the MFR. We expect enrollment to increase to approximately 20-24 students once we are able to advertise the MFR as an accredited program. Almost half of all commercial timberland in the U.S. is now managed by investment firms or real estate investment

trusts, and we believe that our accredited MFR degree will be especially attractive to those students coming from business, real estate, or finance undergraduate programs with an interest in forest business. Indeed, attracting more of these students into our program is part of Warnell's strategic plan and central to the continued growth and success of our Center for Forest Business.

Thus, the addition of the MNR degree serves two critical needs – (1) providing non-forestry students a more suitable and appropriate venue for their educational needs while conferring upon them a degree more reflective of their area of study; and (2) clarifying and strengthening the well-known MFR program that has long served the professional forestry community and earned a distinguished reputation, particularly for its forest business majors. Employers of both our traditional MFR graduates and of the students for whom the MNR is designed strongly support this effort (see Appendix A). Creating the proposed MNR degree will further expand Warnell's capacity to serve the needs of our students and employers, while meeting the present and future needs of Georgia and its citizens.

Procedures Used to Develop the Program

In April of 2006, Warnell's name was changed from the Daniel B. Warnell School of Forest Resources to the Daniel B. Warnell School of Forestry and Natural Resources to more accurately reflect the broad disciplinary areas of our educational, research, and service programs. The name change, along with the rapidly growing number of non-forestry students enrolled in our MFR program, prompted discussions among Warnell administrators and faculty about restructuring our non-thesis graduate degree offerings. Our goals were to 1) better serve the growing population of non-forestry MFR students, 2) offer a degree that was more inclusive of non-forestry areas of study in both substance and name, and 3) preserve a common understanding of the scope of the MFR degree and the qualifications of degree holder among students, faculty, and employers. On May 11, 2007, the Warnell faculty unanimously recommended that a formal proposal for the MNR degree be developed to provide a unique non-thesis degree program for students interested in subject areas not offered under the MFR.

Curriculum

Advisory Committee: All MNR students will be required to form an advisory committee consisting of no fewer than three faculty members before the end of their first enrolled semester. At least one committee member must be from an area outside the student's area of study (either within or external to Warnell) and at least two members of the committee must be members of the University of Georgia Graduate Faculty.

Degree Requirements: The MNR degree will require a minimum of 33 hours of graduate course work. Of the 33 hours required, at least 12 credit hours must be earned in courses offered by Warnell in one of its program areas (denoted by the course prefixes FANR, FISH, FORS, NRRT, WASR or WILD). No more than 3 credit hours of problems courses or 2 credit hours of seminar courses may be counted towards the 12 credit hours required from within Warnell. At least 6 credit hours must be earned in University of Georgia graduate courses offered outside of Warnell. No graduate student will be allowed to earn more than 3 credit hours for problems courses taken under the same professor or instructor. Students may not receive graduate credit

for 4xxx/6xxx or 5xxx/7xxx courses in which they previously earned undergraduate credit. With the exception of problems courses offered within Warnell, students may not earn credit for cross-listed courses previously taken under a different course prefix. Applied Research in Forest Resources (FORS 9210) will be recommended for this degree, but will be optional at the discretion of the Advisory Committee. An approved Program of Study must be submitted to the Warnell Graduate Program Office no later than the end of the student's first enrolled semester.

Subject to the conditions specified above, MNR students will be eligible to take all graduate-level courses offered within Warnell with the exception of courses exclusively open to doctoral (PHD) or Master of Science (MS) students. A list of eligible courses offered within Warnell is attached (see Appendix B). MNR students are also eligible to take graduate-level courses in other departments as approved by their advisory committee. At the discretion of the advisory committee, MNR students may also take non-graduate courses in natural resource ecology or management or other subject matter areas in order to remove deficiencies in pre-MNR coursework, but these course credit hours may not be counted toward any of the 33 credit hours required for the degree. A sample Program of Study is attached in Appendix C.

There is no thesis component to the degree, but all MNR students will be required to pass a final oral exam after completing their coursework. The scope of the exam may include material related to all coursework appearing on the student's Program of Study, other coursework taken at the request of the advisory committee, and any other special projects or formal learning experiences completed during the student's MNR program.

Learning Outcomes: Although students enrolled in the Warnell MNR program will receive specialized training in one of many possible core concentrations (e.g. wildlife biology, fisheries biology, natural resources recreation and tourism, conservation education, soil and water conservation, etc.), we have defined a common set of expected learning outcomes for all students. Graduates from the MNR program will be able to:

- Apply their understanding of biological processes and natural resource management to analyze and quantify problems and think critically to develop solutions to issues associated with sustainable use and management of forests, wildlife, fisheries, soil, and water resources.
- Effectively communicate natural resource management principles and practices in written and oral form to technical and general audiences using appropriate forms of media.
- Select and use appropriate information (e.g., database, listserv, etc.) and instructional technologies (e.g., distance education, presentation software, etc.) to manage data, deliver succinct oral presentations, and prepare technical reports.
- Explain the economic and ecological impacts of human land-use policies and practices on natural resources.

Inventory of Faculty Involved

Numerous Warnell faculty, most of whom do not participate in our MFR program, have expressed a desire to advise MNR students. Curriculum Vitae's of interested faculty are attached in Appendix D. Since there are no new courses required to implement the MNR degree, the

impact on faculty teaching loads (see Table 1) will consist solely of managing additional students in the classroom. There will, of course, be a time commitment associated with advising MNR students, just as there is with students enrolled in any other graduate degree program.

Table 1. Instruction responsibilities of Warnell faculty participating in proposed Master of Natural Resources degree program.

| Instructor | Section Prefix | Course Number | Course Name |
|---------------------|----------------|---|---|
| Beck, Bruce | FORS | 8150 | System Identification for the Environmental Scientist |
| | FORS | 8160 | Environmental Process Control Laboratory |
| | FORS | 8170 | Environmental Systems Analysis and Control |
| | FORS | 9990 | Supervised Professional Practicum in Forest Resources |
| Carroll, John P. | FORS | 2100 | International Issues in Natural Resources and Conservation |
| | FORS | 3000-3000L | Field Orientation, Measurements, and Sampling in Forest Resources |
| | FORS | 4750 | Senior Thesis in Forest Resources |
| | FORS | 5250/7250 | International Issues in Wildlife Conservation |
| | | 5330/7330- | |
| | FORS(CRSS) | 5330L/7330L | Wildlife Management in Agricultural Ecosystems |
| | | 5770/7770- | |
| | FORS | 5770L/7770L | Applied Population Dynamics |
| | FORS | 7984 | Wildlife Ecology and Management Problems |
| | FORS | 8984 | Wildlife Ecology and Management Problems |
| | FORS | 8290 | Wildlife Telemetry |
| FORS | 9990 | Supervised Professional Practicum in Forest Resources | |
| Green, Gary | FRES | 1020 | Freshman Seminar |
| | FORS | 3810-3810D | Society and Natural Resources |
| | RLST | 4000 | Special Problems in Recreation and Leisure Studies |
| | FORS(AAEC) | | |
| | (ANTH)(ECOL) | | |
| | (GEOG)(INTL) | | |
| | (RLST) | 4271/6271 | Field Studies in Natural Resources |

| Instructor | Section Prefix | Course Number | Course Name |
|----------------------|----------------|---------------|---|
| | FORS | 4750 | Senior Thesis in Forest Resources |
| | FORS(RLST) | 5410/7410 | Wilderness Management |
| | RLST | 5700 | Internship in Recreation and Leisure Services |
| | FORS | 5920 | Directed Readings or Projects in Forest Resources |
| | FORS | 5930 | Special Topics in Forest Resources |
| | FORS(RLST) | 5410/7410 | Wilderness Management |
| | FORS | 7982 | Forestry Problems |
| | FORS | 7985 | Natural Resource Recreation and Tourism Problems |
| | FORS | 8300 | Wildlife and Fisheries Seminar |
| | FORS | 9210 | Applied Research in Forest Resources |
| | FORS | 9990 | Supervised Professional Practicum in Forest Resources |
| Hepinstall, J. A. | FORS | 3910-3910L | Spatial Analysis of Natural Resources |
| | FORS(ECOL) | 8330 | Landscape Ecology |
| Markewitz, Daniel | FORS | 3020-3020L | Ecology of Natural Resources |
| | FORS | 7870 | The Science of Sustainability |
| | FORS | 7982 | Forestry Problems |
| Mengak, Michael. | FORS(MARS) | 1100 | Natural Resources Conservation |
| | FORS | 4340/6340 | Nongame and Endangered Species Management |
| | | 4900/6900- | |
| | FORS | 4900L/6900L | Wildlife Damage Management |
| | FORS | 4930/6930 | Wildlife Ecology and Management for Teachers |
| | FORS | 5930 | Special Topics in Forest Resources |
| | FORS | 7984 | Wildlife Ecology and Management Problems |
| | FORS | 8300 | Wildlife and Fisheries Seminar |

| Instructor | Section Prefix | Course Number | Course Name |
|----------------------|----------------|---------------|--|
| | | 4300/6300- | |
| Miller, Karl | FORS | 4300L/6300L | Management of Wildlife Habitat |
| | FORS | 4730 | Senior Project in Forest Resources Management |
| | FORS | 4750 | Senior Thesis in Forest Resources |
| | FORS | 8300 | Wildlife and Fisheries Seminar |
| | FORS | 9990 | Supervised Professional Practicum in Forest Resources |
| Moore, Rebecca | FORS | 3710-3710D | Economics of Renewable Resources |
| | FORS | 5680/7680 | Economic Perspectives on Natural Resource Issues |
| | FORS | 7350 | Social Science Research Methods in Natural Resources |
| | FORS(AAEC) | 7860 | Resource Economics and Management |
| Peterson, Douglas | FORS(ECOL) | 4360/6360 | Fish Ecology |
| | | 5360/7360- | |
| | FORS | 5360L/7360L | Fisheries Management |
| | FORS | 5920 | Directed Readings or Projects in Forest Resources |
| | FORS | 7981 | Fisheries and Aquaculture Problems |
| | FORS | 8984 | Wildlife Ecology and Management Problems |
| | FORS | 9210 | Applied Research in Forest Resources |
| Rasmussen, Todd | CRSS(FORS) | 1020 | Introduction to Water Resources |
| | CRSS(FORS) | 3060-3060L | Soils and Hydrology |
| | FORS | 4120/6120 | Quantitative Methods in Hydrology |
| | FORS | 4130/6130 | Field Methods in Hydrology |
| | FORS | 5920 | Directed Readings or Projects in Forest Resources |
| | FORS | 7983 | Forest Soils, Hydrology and Environmental Systems Problems |

| Instructor | Section Prefix | Course Number | Course Name |
|---------------------|----------------|---------------|---|
| | FORS(GEOL) | 8730 | Aquifer Mechanics |
| | GEOL(FORS) | 8740 | Hydrologic Flow and Transport Modeling |
| Schweitzer, Sara | FORS | 4730 | Senior Project in Forest Resources Management |
| | FORS | 4750 | Senior Thesis in Forest Resources |
| | | 5310/7310- | |
| | FORS | 5310L/7310L | Techniques in Wildlife Population Management |
| | FORS | 5920 | Directed Readings or Projects in Forest Resources |
| | FORS | 8300 | Wildlife and Fisheries Seminar |
| | FORS | 8350-8350L | Waterfowl and Wetland Management |
| Teskey, Robert | FORS | 7982 | Forestry Problems |
| | FORS | 8000 | Forest Resources Seminar |
| | FORS | 8030 | Advanced Tree Physiology |
| | FORS | 8200 | Scientific Research in Forestry and Natural Resources |
| | FORS | 8982 | Forestry Problems |
| Warren, Robert | FORS(MARS) | 1100 | Natural Resources Conservation |
| | FORS | 3300 | Introduction to Fish and Wildlife Management |
| | FORS | 3810-3810D | Society and Natural Resources |
| | FORS | 4320/6320 | Wildlife Physiology and Nutrition |
| | FORS | 4730 | Senior Project in Forest Resource Management |
| | FORS | 4750 | Senior Thesis in Forest Resources |
| | FORS | 4890/6890 | Field Methods in Wildlife Management and Research |

| Instructor | Section Prefix | Course Number | Course Name |
|---------------------|----------------|---------------|---|
| | FORS | 5920 | Directed Readings or Projects in Forest Resources |
| | FORS | 7984 | Wildlife Ecology and Management Problems |
| | FORS | 7990 | Supervised Professional Practicum in Forest Resources |
| Yabsley, Michael | FORS | 5900 | Wildlife Diseases (new course) |
| | FORS | 5930 | Special Topics in Forest Resources |
| | FORS | 7984 | Wildlife Ecology and Management Problems |

Outstanding Programs at Other Institutions

A review of available information revealed nine universities offering a non-thesis Master's degree (see Table 2) in the areas of natural resource ecology, management, or extension education. Eight of the nine programs listed are offered by SAF accredited schools, with the exception of New York University.

Table 2. Schools that offer a non-thesis Master's-level degree with a concentration in the area of natural resources ecology, management, or extension education. This information was compiled by reviewing the list of SAF-accredited forestry schools and content published on each school's website.

| School | Degree | Concentration | Requirements |
|-------------------------|-------------------|--|-------------------------|
| Duke | MEM | Conservation and Policy | 48 credit hours |
| University of Idaho | MNR | Conservation Social Science | 30 credit hours |
| New York University | M.S. | Environmental Conservation Education | |
| Oregon State University | M.S. | Natural Resources Education and Extension | 45 credit hours |
| Virginia Tech | MNR | Natural Resources | 33 credit hours |
| Colorado State | MNRS | Forest Ecology | 30 credit hours |
| Auburn University | MNR | Natural Resource Management (with B.S. in Biology) | 36 credit hours |
| Yale | MEM | Teacher Preparation | A five-semester program |
| Ohio State University | M.S. (non-thesis) | Natural Resources: Education and communication | 55 credit hours |

Among the programs in Table 2, we believe that the following meet the criteria of “outstanding”:

1. Master of Natural Resources, Virginia Tech: Dr. David L. Trauger, Director of Natural Resources Programs, Falls Church, VA 22043, (703) 538-3762

Credit Requirements: 33 total credit hours: 12 core credits, 15-18 credits in area of concentration, and capstone paper replaces the thesis and counts for 3-6 credits.

Outstanding Feature: Capstone paper for credit

2. Master of Environmental Management, Duke University: Cindy Peters, Assistant Dean, Enrollment Services, Durham, NC 27708, (919) 613-8071

Credit Requirements: Structured Program of Study requiring 48 total credit hours: Core (12 credits from combination of one overview course, two natural sciences, and one social sciences); Approaches/Tools (12 credits from combination of statistics, geospatial, community-based participatory, field ecology, and modeling); and Specializing Electives for system-specific expertise or additional tools (9 credits from combination of at least one natural science and one social science, and either a tool or core course that supports the student’s Master’s Project); the remaining 15 hours are earned taking electives, seminar, internship, Symposium Presentation and the Master’s Project.

Outstanding Feature: Guided structure to program of study; allows student and committee the freedom to select from a list of courses approved for Core, Approaches/Tools, and Specializing Electives.

3. Master of Natural Resources Stewardship, Colorado State University: Crystal Lancaster, Department Coordinator, Fort Collins, CO 80523, (970) 491-6911

Credit Requirements: Six core specialties are offered and 30 credits required.

Outstanding Feature: No independent study, research, internship, supervised college teaching, or practicum credits may be credited toward the degree.

Inventory of Library Resources

The University of Georgia libraries contain a large collection of resources necessary to support this new program. Our other graduate degree programs are well served by existing resources. Because the MNR degree will be an additional non-thesis degree option, rather than a degree in a new study area, these resources will similarly serve students in this program. Books, periodicals, journals, and professional publications are available at the Main Library (North Campus) and Science Library (South Campus). Other sources include the University System of Georgia searchable database via GALILEO.

Students

Based on the previous enrollment of non-foresters in our MFR degree, we know that the new MNR program will attract students who are interested in environmental education and interpretation, fisheries or wildlife biology, natural resource recreation and tourism, conservation policy and biology, natural resource extension and natural resource management. Students with a Bachelor's degree in natural resources (forestry, wildlife, fisheries, recreation, soil and water conservation, etc.) will be the primary target audience. They will enter the MNR program with a basic professional-level of technical knowledge, and through their graduate educational experiences they will emerge with new understandings, problem solving strategies, and technical skills that allow them to excel as professionals in their respective fields of study. However, students may enter the program from non-natural resources professions or educational backgrounds, including elementary or secondary education, instructional technology and design, marketing and mass media, political science, agriculture, public policy and law and history. These students will be welcomed and encouraged to apply, but (as is true for all graduate students entering programs for which they have minimal training) they may need to complete coursework beyond the minimum 33 hours to develop a sufficient background in the technical aspects of natural resource management.

Facilities

Warnell has adequate classroom capacity to support graduate students who wish to earn the MNR degree. Field sites for experiential learning activities are also abundant and accessible, as Warnell owns or manages over 25,000 acres of forested lands within the state of Georgia. Warnell has two student computer laboratories with a total of 56 terminals available to both undergraduate and graduate students. There are an additional 8 terminals located in a graduate-only laboratory, and 25 terminals are located in our Geographic Information Systems (GIS) computer laboratory. All computer terminals except those in the GIS laboratory are available for use 24 hours/day.

Administration

The overall administration of the MNR degree will reside in the office of Warnell's Associate Dean for Academic Affairs. The Warnell graduate coordinator and graduate program office staff will oversee the daily functioning of the MNR program, just as they do the MFR, MS, and PhD programs. Every student meeting the suggested minimum acceptance criteria established by the Graduate School will be eligible to enroll in the MNR program, contingent upon their identifying a willing major professor.

Assessment

All Warnell courses and course instructors are evaluated using a standardized set of question accessible to students either electronically or in paper form. In addition, the Warnell Graduate Student Association administers both written questionnaires and oral exit interviews to all graduate students before their final defense or exit exam that solicit student input on all aspects of their Warnell graduate experience (e.g., advising quality; financial support in the form of

stipends, research needs, travel to scientific for professional meetings; opportunities and support for scholarly development; amount and quality of support from the Warnell graduate, clerical, and fiscal offices). Results of these interviews are forwarded to both the Warnell Associate Dean for Academic Affairs and the Warnell Graduate Coordinator. The degree candidate shall demonstrate his or her mastery of relevant MNR learning outcomes to the satisfaction of the advisory committee at the final oral exam.

Affirmative Action Impact

We expect a strong interest in the program by underrepresented populations; four of the nine MFR students currently studying in non-forestry areas are female. The program will be open to all qualified persons regardless of race, color, religion, national origin, gender, age, sexual orientation, or disability status.

Degree Inscription

Upon successful completion of all requirements of the program, the degree inscription on the student's diploma will read "Master of Natural Resources."

Enrollment Impact - Fiscal and Budgetary

Warnell already possesses all of the fiscal, physical, and personnel resources necessary to implement the degree. We have 1.5 staff positions dedicated to the administration of our graduate program, along with a faculty graduate coordinator. The initial entering class is likely to consist primarily of MFR students opting for a change of degree status to MNR once the program is approved, and we anticipate adding a net of six additional students to the current pool by FY 2011 for a total of 15 by that date. Based upon historical trends in our MFR program, we believe that approximately one-fourth of the total population of MNR graduate students will graduate each semester. For purposes of estimating credit hour production and revenues in the following pages, we estimate that MNR students would take an average 8 graduate credit hours per semester (total 24 per year).

Fiscal and Enrollment Impact, and Estimated Budget

| ENROLLMENT PROJECTIONS | FY2009 First Year | FY 2010 Second Year | FY 2011 Third Year |
|--|------------------------------|--------------------------------|-------------------------------|
| A. Student majors | | | |
| 1. Shifted from other programs | 9 | 0 | 0 |
| 2. New to institution (gross) | 3 | 5 | 6 |
| TOTAL MAJORS | 12 | 14 | 15 |
| B. Course sections satisfying program requirements | | | |
| 1. Previously existing | 120+ | 120+ | 120+ |
| 2. New | 0 | 0 | 0 |
| TOTAL PROGRAM COURSE SECTIONS | 120+ | 120+ | 120+ |
| C. Credit hours generated by those courses | | | |
| 1. Existing enrollments | 216 | 216 | 216 |
| 2. New enrollments | 72 | 120 | 144 |
| TOTAL CREDIT HOURS | 288 | 336 | 360 |
| D. Degrees awarded | 3 | 4 | 4 |

| II. COSTS | EFT | Dollars | EFT | Dollars | EFT | Dollars |
|--|------------|----------------|------------|----------------|------------|----------------|
| A. Personnel--reassigned or existing positions | | | | | | |
| 1. Faculty | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Part-time faculty | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Graduate assistant | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Administrators | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Support staff | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Fringe benefits | | 0 | | 0 | | 0 |
| 7. Other personnel costs | | 0 | | 0 | | 0 |
| TOTAL EXISTING PERSONNEL COSTS | | 0 | | 0 | | 0 |
| B. Personnel--new positions | | | | | | |
| 1. Faculty | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Part-time faculty | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. Graduate assistant | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. Administrators | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. Support staff | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. Fringe benefits | | 0 | | 0 | | 0 |
| 7. Other personnel costs | | 0 | | 0 | | 0 |
| TOTAL NEW PERSONNEL COSTS | | 0 | | 0 | | 0 |

| | First Year | Second Year | Third Year |
|---|--------------|-------------|------------|
| C. Start-up costs (one-time expenses) | | | |
| 1. Library/learning resources | 0 | 0 | 0 |
| 2. Equipment | 0 | 0 | 0 |
| 3. Other (information/recruitment materials) | 2000 | 0 | 0 |
| D. Physical facilities: construction or Major renovation | 0 | 0 | 0 |
| TOTAL ONE-TIME COSTS | 0 | 0 | 0 |
| E. Operating costs (recurring costs--base budget) | | | |
| 1. Supplies/expenses (promotional) | 0 | 0 | 0 |
| 2. Travel | 0 | 0 | 0 |
| 3. Equipment | 0 | 0 | 0 |
| 4. Library/learning resources | 0 | 0 | 0 |
| 5. Other (_____) | 0 | 0 | 0 |
| TOTAL RECURRING COSTS | 0 | 0 | 0 |
| GRAND TOTAL COSTS | 2,000 | 0 | 0 |

III. REVENUE SOURCES

A. Source of funds

| | | | |
|-----------------------------------|---------------|---------------|---------------|
| 1. Reallocation of existing funds | 0 | 0 | 0 |
| 2. New student workload | xxxxxxxxxx | xxxxxxxxxx | 0 |
| 3. New tuition` | 6,729 | 17,944 | 26,916 |
| 4. Federal funds | 0 | 0 | 0 |
| 5. Other grants | 0 | 0 | 0 |
| 6. Student fees | 2,680 | 6,968 | 9,648 |
| 7. Other (_____) | 0 | 0 | 0 |
| Subtotal | 9,409 | 24,912 | 36,564 |
| New state allocation requested | 0 | 0 | 0 |
| GRAND TOTAL REVENUES | 9,409, | 24,912 | 36,564 |

B. Nature of funds

| | | | |
|-----------------------------|---------------|---------------|---------------|
| 1. Base budget | | | |
| 2. One-time funds | | | |
| GRAND TOTAL REVENUES | 9,409, | 24,912 | 36,564 |

Appendix A

External Letters of Support



2500 Daniels Bridge Road
Building 200-2
Athens, Georgia 30602

August 25, 2000

Dr. Ronald L. Hendrick, Jr.
Associate Dean for Academic Affairs
Warnell School of Forestry and Natural Resources
University of Georgia
Athens, GA 30602-2152

Dear Dr. Hendrick:

I'm writing to support the creation of a Master of Natural Resources (MNR) degree at the University of Georgia to distinguish masters level natural resources education from the current, well recognized non-thesis Master of Forest Resources (MFR). This degree more correctly reflects the focus of general natural resource degrees and is consistent with the recent name change at the Warnell School.

The Master of Forest Resources degree was instituted at the University of Georgia to serve as a professional degree to distinguish it from the older Master of Science research oriented degree. Since it was first awarded in 1950, the degree has attained a national reputation as an advanced degree in the practical application of forestry.

This professional degree has become the "gold standard" in professional forestry graduate education especially in the area of forest business. It is time to keep this special degree focused on forestry only. The creation of the proposed Master of Natural Resources will allow students who are getting MFRs with a natural resource focus to have a degree more reflective of their area of study. The MFR is well known for its forestry focus, and the creation of the MNR will reinforce this exclusive name "branding" and avoid confusion.

Sincerely,

A handwritten signature in black ink, appearing to read 'Thomas Reed', written over a horizontal line.

Thomas Reed
Vice President, General Manager
Southern Region



United States Department of Agriculture
Forest Service

Science Quality Services
320 Green St.
Athens, GA 30602-2044
706-559-4224

Date: October 9, 2007

Dr. Ronald L. Hendrick, Jr.
Associate Dean for Academic Affairs
Warnell School of Forestry and Natural Resources
University of Georgia
Athens, GA 30602-2152

Dear Dr. Hendrick,

This letter is written in support of the proposed Master of Natural Resource (MNR) Degree at the University of Georgia's Warnell School of Forestry and Natural Resources. For the past six years, the office of Environmental and Science Education, an emphasis area within the Science Quality Services Staff (Washington Office R&D) and remotely located in Athens, has partnered with Warnell faculty and students. During this time, we have worked with students interested in conservation education who have become engaged with Forest Service education projects through independent study, graduate level academics, internships, and volunteer work. Through cooperative agreements, the Forest Service has supported some of these students as they have worked through their graduate programs. The proposed MNR degree fills a growing need for broader-based natural resource-related careers such as conservation education. It is clear that students with such interest, as well as their future employers, would benefit from the proposed MNR degree.

In particular, the ESE emphasis area promotes the application of natural resource science as a tool for conservation education. Recent nationwide attention given to the challenges associated with "nature deficit disorder" in our Nation's youth underscores both need and opportunity. When the Warnell School of Forestry and Natural Resources institutes the proposed MNR Degree program, our opportunity for support and cooperation will increase as we address this national crisis. As students are able to pursue their interest in conservation education academically and experientially, Warnell can build a program in conservation education unrivaled in the United States. The Forest Service's ESE emphasis area supports the creation of the broad natural resources degree program, and offers continuing cooperation with the Warnell School to build a nationally-recognized program that incorporates experiential learning through Forest Service education projects.

I congratulate the Warnell School on this endeavor and look forward to our continued partnership. Please contact me if you have questions or want clarification.

Sincerely,

/s/ Barbara McDonald

BARBARA McDONALD
Social Scientist



SOUTHERN LAND AND TIMBER MANAGEMENT • REGISTERED FORESTERS • LICENSED REAL ESTATE BROKERS

August 24, 2007

Dr. Ronald L. Hendrick, Jr.
Associate Dean for Academic Affairs
Warnell School of Forestry and Natural Resources
University of Georgia
Athens, GA 30602-2152

Dear Dr. Hendrick:

I'm writing to support the creation of a Master of Natural Resources (MNR) degree at the University of Georgia to distinguish masters level natural resources education from the current, well recognized non-thesis Master of Forest Resources (MFR). This degree more correctly reflects the focus of general natural resource degrees and is consistent with the recent name change at the Warnell School.

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Sincerely,

Earl D. Barrs



GEORGIA AQUARIUM

October 9, 2007

Dr. Ronald L. Hendrick, Jr.
Associate Dean for Academic Affairs
Warnell School of Forestry and Natural Resources
University of Georgia
Athens, GA 30602-2152

Dear Dr. Hendrick,

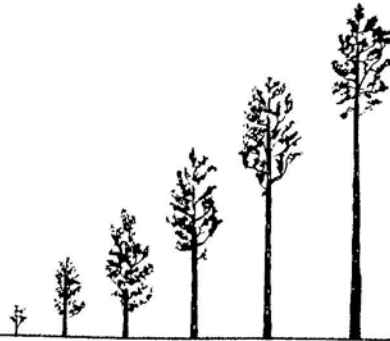
I am writing to support the creation of a Master of Natural Resources (MNR) degree at the University of Georgia, Warnell School of Forestry and Natural Resources. There is a significant need for a MNR to provide students with an opportunity to earn a non-thesis graduate degree with a focus on general natural resources subject areas such as conservation education.

As a graduate of a non-thesis program in Aquarium Sciences at the University of Maryland, I personally understand the need and the practical application of such a program. Maryland's program opened many doors for me and provided numerous experiential learning opportunities that prepared me for a profession in the Aquarium industry. I feel that a like program in natural resources can only benefit the state of Georgia and the industry.

The MNR will produce Masters level graduates with the knowledge, skills, and abilities to work in many different settings such as state and federal agencies, nature centers, and private organizations like the Georgia Aquarium. The MNR will also provide opportunities for the Georgia Aquarium to strengthen our partnership with the University of Georgia.

Sincerely,

Kim Morris-Zarneke
Manager of Education Programs



**SUPERIOR
PINE
PRODUCTS
COMPANY**

OWNERS & OPERATORS OF SUWANNEE FOREST ~ US 441 North . P O Box 278 . Fargo, GA .
912 637-5261 . FAX 912 637-5344

August 25, 2007

Dr. Ronald L. Hendrick, Jr.
Associate Dean for Academic Affairs
Warnell School of Forestry and Natural Resources
University of Georgia
Athens, GA 30602-2152

Dear Dr. Hendrick:

I'm writing to support the creation of a Master of Natural Resources (MNR) degree at the University of Georgia to distinguish masters level natural resources education from the current, well recognized non-thesis Master of Forest Resources (MFR). This degree more correctly reflects the focus of general natural resource degrees and is consistent with the recent name change at the Warnell School.

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Sincerely,
Superior Pine Products Company

Miles A. Stone
President



Georgia Department of Natural

Resources Parks, Recreation and Historic Sites Division

Becky Kelley, Director 2 Martin Luther King, Jr. Drive, Suite 1352 • Atlanta, Georgia 30334 404-656-9448 • Fax: 404-651-5871
• bkelley@dnr.state.ga.us • www.gastateparks.org

October 5, 2007

Dean Mike Clutter University of Georgia Warnell School of Forestry & Natural Resources

Athens, Georgia 30602

Re: Masters of Natural Resources

Dear Dean Clutter;

I'd like to introduce myself and congratulate you on your appointment as Dean of the UGA Warnell School of Forestry and Natural Resources. I'd also like to share my excitement about the news that Warnell will be moving forward with a Masters of Natural Resources program.

As director of the Georgia State Parks, Recreation and Historic Sites Division (PRHSD), I have had the opportunity to work with Dr. Bob Warren and Dr. Gary Green on a variety of projects. I've shared with them my frustration about UGA students' limited knowledge or pursuit of career opportunities with our unit of the Georgia Department of Natural Resources. We've discussed the new Masters of Natural Resources program, and I want you to know that I wholeheartedly support the action and pledge my active participation in any way necessary to see it through.

PRHSD's role is to protect our state's natural beauty and historic integrity while providing opportunities for public education and enjoyment. I believe that a combination of proper stewardship and positive public engagement is critical for the future of our state's natural resources. This connection is incorporated with Georgia's 2008-2013 Statewide Comprehensive Outdoor Recreation Plan (SCORP), recently adopted by the Georgia Board of Natural Resources and endorsed by Governor Perdue. SCORP calls for the state to 'inspire and facilitate the efforts of the university system to create degree programs designed to educated students and produce well-trained professionals in the fields of resource management and recreation.' Warnell's new Masters of Natural Resources will be an important step in fulfilling this recommendation. One that will be supported by not only PRHSD, but also other allied agencies such as the Georgia Recreation and Park Association.

I would be honored to personally meet with you to discuss how we might work together to insure the success of the new Masters in Natural Resources program.

Until then, my regards,

Becky Kelley

Appendix B

List of MNR-Eligible Warnell Graduate Courses

MNR-Eligible Warnell Graduate Courses

FORS 4000/6000-4000L/6000L. Forest Soil Management. 3 hours. Morphological, physical, and chemical soil properties affecting tree growth and forest productivity; evaluation of soils and site quality; preparation of forest sites for planting, diagnosis, and correction of nutrient limitations; use of forest soil systems for waste treatment.

FORS 4030/6030. Regional Silviculture. 3 hours. Identification of the major forest regions of the United States and discussion of their silvicultural management.

FORS(ECOL) 4040/6040-4040L/6040L. Herpetology. 4 hours. Evolution, ecology, behavior, structure, and physiology of amphibians and reptiles.

FORS(BIOL) 4050/6050-4050L/6050L. Mammalogy. 3 hours. Mammalian diversity with emphasis on taxonomic identification, systematics, natural history, and methods of field study.

FORS 4060/6060-4060L/6060L. Field Ornithology. 4 hours. Bird identification, also emphasizing ecology, evolution, behavior, and field techniques.

FORS 4110/6110-4110L/6110L. Forest Hydrology. 4 hours. Multidisciplinary examination of the terrestrial components of the hydrologic cycle focusing on the qualitative analysis of precipitation, snowmelt, runoff generation, routing, infiltration, and subsurface flow and transport. Emphasis is on the definition of hydrologic processes, identification of hydrologic resources, development of environmental monitoring techniques, and application to hydrologic resources management.

FORS 4120/6120. Quantitative Methods in Hydrology. 3 hours. Advanced analysis of hydrologic processes to provide a theoretical understanding of precipitation, evapotranspiration, streamflow, groundwater occurrence and movement, and soil zone flow and transport. Emphasis is upon quantitative methods used in conjunction with field and laboratory data to identify flow and transport dynamics in hydrologic systems.

FORS 4130L/6130L. Field Methods in Hydrology. 3 hours. Field data acquisition methods to hydrologic systems are used to determine precipitation quantity and quality, evapotranspiration, streamflow, groundwater occurrence and movement, and soil zone transport processes. Physical and chemical measurements are coupled to determine flow paths, mass balances, and the environmental fate of solutes.

FORS 4160/6160-4160L/6160L. Environmental Monitoring. 3 hours. Design, implementation, and interpretation of sampling programs for environmental systems (especially aquatic systems) for monitoring, regulatory activities, quality control, scientific study, and impact assessment.

FORS(CRSS)(ECOL)(ENGR)(GEOG)(GEOL) 4170L/6170L. Hydrology, Geology, and Soils of Georgia. 3 hours. This field course focuses on the physical environment of Georgia by examining the diverse geology, soils, and surface and subsurface hydrologic processes within the

state. We will travel to all of Georgia's physiographic areas, visiting mines, farms, forests, wetlands, rivers, lakes, and estuaries to explore the influence of human activities on the physical environment.

FORS 4200/6200-4200L/6200L. International Forest Business. 3 hours. An overview of existing forest resources, their management and utilization throughout the world's major forest regions. Introduction to the issues of globalization, trade, exchange rates, and foreign direct investment.

Offered spring semester every year.

FORS 4210/6210. Forest Health and Protection. 3 hours. Major insect and disease problems of forests, with an emphasis on their recognition and management. Forest fire prevention, detection, suppression and management.

FORS(ECOL)(GEOG) 4250/6250. International Forest Management. 1-6 hours. Repeatable for maximum 10 hours credit. Study-abroad to examine issues pertaining to the management of forested landscapes in the visited country. Introductory lectures on the natural and cultural history of the visited country will be followed by extended field examination of the country's forest resources and their management.

(FORS)(ANTH)RLST 4270/6270. Field Studies in Recreation, Tourism, and Leisure. 1-10 hours. Repeatable for maximum 10 hours credit. Field studies to explore the provision, management and conservation of recreation, tourism, and leisure resources and opportunities.

FORS(AAEC)(ANTH)(ECOL)(GEOG)(INTL)(RLST) 4271/6271. Field Studies in Natural Resources. 1-9 hours. Repeatable for maximum 10 hours credit. Field studies to explore the management and conservation of natural resources with a focus on issues related to forestry, wildlife, ecology, recreation and tourism, geology, and/or coastal/water resources. The impact of humans on these resources will also be emphasized

FORS(MARS) 4272/6272. Antarctica: The Fragile Continent. 3-12 hours. Repeatable for maximum 12 hours credit. The bio-physical context and human history of Antarctica, with a specific focus on their relevance to this unique and fragile continent's conservation and sustainable use.

FORS 4280/6280. Field Studies in Natural History. 4 hours. Repeatable for maximum 8 hours credit. 5 hours lecture and 30 hours lab per week. Field studies to explore the ecology and natural history of plant and vertebrate communities in a variety of biomes and ecosystems. Identification and field study skills will be emphasized.

FORS 4300/6300-4300L/6300L. Management of Wildlife Habitat. 4 hours. Principles and practices related to the management of forested ecosystems for wildlife and biological diversity, with emphasis on habitat management at the stand and landscape level. Habitat management through use of appropriate silvicultural practices, wildlife enhancement techniques, and regulations is evaluated.

(FORS)ECOL 4310/6310-4310L/6310L. Limnology. 4 hours. Aquatic ecosystems (lakes and streams) and their biota. Linkages between terrestrial and aquatic ecosystems.

FORS 4320/6320. Wildlife Physiology and Nutrition. 3 hours. An advanced course relating animal physiology and nutrition to wildlife ecology and management.

FORS 4330/6330-4330L/6330L. Water Quality Management in Fisheries and Aquaculture. 3 hours. Chemical and biological aspects of water quality, with emphasis upon relationships between water quality and fish production. Practical information on water quality management and related fields.

FORS 4340/6340. Nongame and Endangered Species Management. 3 hours. Management of nongame species and backyard (suburban and urban) habitats, including habitat enhancement and species biology. Factors affecting extinctions and declines in biodiversity, including laws, policies, and management activities designed to protect threatened and endangered species and critical habitats.

FORS 4350/6350. Conservation Genetics. 3 hours. The theory of conservation genetics, the methods to sample and analyze genetic diversity and applications for the management of natural plant and animal populations.

FORS(ECOL) 4360/6360. Fish Ecology. 4 hours. Lectures and discussions will be used to provide an interactive exploration of the ecology of fishes. Topics include: foraging, reproduction, habitat selection, niche, competition, and the mechanisms controlling fish biodiversity. Instruction includes both the status of a topic and appropriate research designs. The latter materials will be relevant to most animal taxa.

FORS 4370/6370. Fish Physiology. 3 hours. Basic fish physiology with an emphasis on the effects of environmental stresses on physiological functions of fish.

(FORS)MARS 4380/6380-4380L/6380L. Marine Fisheries Biology. 3 hours. Interaction of oceanographic processes with the life histories and productivity of marine fisheries species, and the human interactions with major marine fisheries.

FORS 4410/6410-4410L/6410L. Techniques in Wildlife Population Management. 3 hours. Field and laboratory methods commonly used by professional wildlife ecologists to analyze and manipulate animal populations.

FORS 4570L/6570L. Practical Wood Identification. 2 hours. Identification of domestic and commercial tropical woods.

FORS 4610/6610-4610L/6610L. Forest Mensuration. 4 hours. Direct measurement and indirect estimation of primary and secondary forest products. Measures of stand productivity, density, and growth.

FORS 4620/6620. Timber Management. 3 hours. Organization and management of forest properties for the production of commercial forest products.

FORS 4640/6640. Forest Inventory. 3 hours. Planning forest inventories and comparison of various equal and unequal probability sampling concepts; permanent and temporary forest sampling procedures; current stand and future growth estimation principles.

(FORS)(BCMB)PBIO 4670/6670. Plant Molecular Responses to the Environment. 4 hours. Molecular and biochemical regulation of plant metabolic pathways activated in response to environmental cues, environmental stress, and interaction with pathogenic and symbiotic organisms. Cell wall formation (primary wall, wood), secondary metabolism (lignin, flavonoids, phenolics), wounding, plant defense (phytoalexins, oxidative burst, hypersensitivity), responses to drought, flooding, salinity, pollutants (heavy metals, ozone).

FORS 4700/6700-4700L/6700L. Forest Economics. 3 hours. An overview of the application of economic analyses to forest resources. Forest resource professionals will be given a better understanding of the economic factors that influence forest management decisions.

FORS 4710/6710-4710L/6710L. Quantitative Decision Methods for Forest Management. 3 hours. Analysis methods applicable to forest management planning and decision making in forestry. Particular emphasis on optimization procedures and financial analysis.

FORS 4800/6800. Renewable Resources Policy. 2 hours. Renewable resource policy as a process, concentrating on analysis of laws and rules affecting the use and production of renewable natural resources. Topics of focus include property rights development with discussion given to private property resources, such as forests, common property resources such as wildlife and fish, and the evaluation of current policy issues.

FORS 4850/6850. Forest Operations Study Tour. 2 hours. On-site examination and analysis of active forestry operations in major wood producing regions of the world, including the southern United States, North America, and other continents. Focus on industrial forestry, including forest management, harvesting, and transportation operations as well as conversion facilities such as pulp/paper mills, sawmills, engineered wood facilities, and other wood-using plants. Non-traditional format: Class involves a week-long field trip before the beginning of fall semester. Students are expected to pay for room and board.

FORS 4890/6890. Field Methods in Wildlife Management and Research. 1 hour. Field course providing personal experience in field methods used by wildlife biologists (prescribed burning, wildlife capture/handling, population assessment, radiotelemetry, habitat surveys, etc.).

FORS 4900/6900-4900L/6900L. Wildlife Damage Management. 3 hours. Theory and practice of assessing and controlling damage done by wild and feral vertebrate animals, especially mammals and birds. Emphasis is on protecting agricultural and forest crops and property.

FORS 4930/6930. Wildlife Ecology and Management for Teachers. 3 hours. The scientific and technical aspects of wildlife management. Students will acquire a basic understanding of

wildlife management that will enable them to teach at the middle and high school level.

FORS 5010/7010. Urban Tree Management. 3 hours. Establishment and maintenance of trees in urban environments. Nature and benefits of trees, planting, and soil management; pruning, repair, and protection; stress management; values of urban trees.

FORS 5250/7250. International Issues in Wildlife Conservation. 2-6 hours. Repeatable for maximum 12 hours credit. An overseas, field-based course that explores wildlife conservation and management topics and issues in the host country. Includes lectures and field projects related to sustainable use of wildlife and human conflicts with wildlife.

FORS(CRSS) 5330/7330-5330L/7330L. Wildlife Management in Agricultural Ecosystems. 3 hours. Impact of agricultural practices on the suitability of farmland for wildlife habitat and wildlife biodiversity. Introduction of management systems that enhance wildlife populations. Focus on agriculture and wildlife in Georgia, but including national and international issues.

FORS 5360/7360. Fisheries Management. 3 hours. Principles, methods, and techniques used in the management of freshwater and marine fisheries resources. Practical, theoretical, and ethical questions are addressed.

FORS 5360L/7360L. Fisheries Management Laboratory. 1 hour. Principles, methods, and techniques used in the identification and sampling of freshwater and marine fisheries. Emphasis is on hands-on experience in both field and laboratory settings.

FORS 5380/7380-5380L/7380L. Fish Culture. 3 hours. Biotic and abiotic aspects of extensive and intensive culture of freshwater fishes. Emphasis is on species and methods utilized in the eastern United States.

(FORS)(ANTH)RLST 5400/7400-5400L/7400L. Parks and Ecotourism Management. 3 hours. An introduction to the sustainable planning, development, and management of parks, protected areas and ecotourism, worldwide. Classroom lectures will be combined with a field trip, guest speakers, and a group case study to examine six key components of sustainable protected areas and ecotourism management.

FORS(RLST) 5410/7410. Wilderness Management. 3 hours. Origins of the wilderness movement; wilderness values; scope of wilderness management as limited by laws and philosophy; principles of wilderness management; and review status and management of non-roaded natural areas.

FORS 5610/7610. Prescribed Fire in the Forest Ecosystem. 2 hours. Applications of fire as a tool for forest management, species conservation, and ecosystem restoration in the southeastern coastal plain. Analysis of fuels, weather, and fire behavior. Fire effects on plants, animals, and soils in the longleaf pine ecosystem. Emphasis on field experience with prescribed burns.

FORS 5650/7650-5650L/7650L. Aerial Photogrammetry in Forestry. 3 hours. The theory, techniques, and tools applicable to the use of aerial photographs in forest resource management

and decision-making.

FORS 5660/7660. Forest Science for Teachers. 3 hours. This course is designed for pre-service Agricultural Education teachers. Students will be prepared to teach the approved Forest Science I curriculum. Students will develop technical skills and increase content knowledge through hands-on activities in the classroom and the field. In addition, students will complete Project Learning Tree Educator training.

FORS 5680/7680. Economic Perspectives on Natural Resource Issues. 3 hours. Applications of economics to natural resource and environmental decision making. Topics include water, wildlife, forests, fisheries, land-use, sustainability, development, and uncertainty. Emphasis is on practical applications and case studies, stressing the value of interdisciplinary research and decision making.

FORS 5720/7720-5720L/7720L. Forest Harvesting and Roads. 3 hours. Techniques and systems for harvesting and roading forests. Production, cost, quality, safety, and environmental protection measures. Field exercises stress planning of harvesting and road construction operations to achieve desired objectives.

FORS 5730/7730. Principles of Forest Management. 3 hours. Practical forestry in the South with emphasis on the management of private forest land. Topics include forest regeneration, tree identification and growth, basic measurements of tree crops. Not open to FRS majors.

FORS 5750/7750. Procurement and Management of Wood Fiber Supply. 3 hours. Management of the wood fiber supply, program management functions, legal aspects and analysis of current issues in raw material management.

FORS 5760/7760. Forest Products Marketing. 3 hours. Planning, organizing, and managing forest products marketing programs, domestically and internationally. Focus on developing marketing strategies and implementation of marketing plans in the context of forest industry structures and distribution channels.

FORS 5770/7770-5770L/7770L. Applied Population Dynamics. 3 hours. Foundations of population dynamics from an applied perspective. Exponential and logistic population growth, life tables, multiple species interactions, and basic population models. Sampling design and analytical methods for estimating abundance and demographic parameters. Application of population models to harvest management and small population management. Integrative student project required.

FORS 5820/7820. Natural Resources Law for Managers and Administrators. 4 hours. Statutory, case law, and regulations concerning resource conservation, allocation, and development. Modern, systems-sensitive regulatory programs affecting natural resources administration analyzed. Examination of the division and nature of the functions of the judicial and executive branches of government.

FORS 5850/7850. Forest Policy Issues. 2 hours. Forestry issues and political processes. A general framework for analyzing current issues is developed and specific issues are analyzed each year.

FORS 5880/7880. Environmental Interpretation for Outdoor Recreation and Nature-Based Tourism. 3 hours. Outdoor recreation and natural resources provide a unique environment for educating people about environmental issues. This environment is conducive to promoting environmental awareness and interpretation techniques. Students will learn about the concepts and techniques of Environmental Interpretation. Emphasis will be placed on environmental interpretation in natural resource recreation.

FORS 5890/7890. Tourism and Sustainable Development. 3 hours. Introduction to tourism and management, environmentalism, sustainable development and planning, the politics and sociology of tourism, economic development, and globalization. Tourism and examples of sustainable development, both in the public and private sectors, will also be examined at the local, national, and international level.

(FORS)(ANTH)ECOL 6140. Principles of Conservation Ecology and Sustainable Development II. 3 hours. Social science dimensions of conservation and sustainable development; social, economic, and political considerations in managing natural resources; policy-level aspects to project implementation.

FORS 6150. Control and Systems Theory for the Environmental Scientist. 3 hours. Development of models of the dynamic behavior of environmental systems from the perspective of process engineering and control. State-space, continuous-time, and discrete-time representations. Introduction to, and tutorials in, the MATLAB-SIMULINK software package.

FORS 6750. Experimental Methods in Forest Resources Research. 3 hours. Statistical procedures and computer software to collect, analyze, and interpret forest resources research data.

FORS 6760-6760L. Quantitative Models for Forest Resources Managers. 3 hours. Model forms used to simulate tree and forest stand development as well as models used to simulate the growth of various wildlife and fish species. Parameter estimation methods and model evaluation included.

FORS 7000. Master's Research. 1-18 hours. Repeatable for maximum 100 hours credit. Research while enrolled for a master's degree under the direction of faculty members. Non-traditional format: Independent research under the direction of a faculty member.

FORS 7070. Forest Resources Consulting and Real Estate Practice. 3 hours. The establishment and management of forestry, wildlife consulting, and rural real estate practices.

FORS 7210-7210L. Spatial Analysis in Natural Resources. 3 hours. Theory and applications of spatial information technology and spatial analysis techniques in natural resources. Focus will be on addressing realistic problems within the field of natural resources, including in student's

own research area.

FORS 7550-7550L. Contemporary Forest Products. 3 hours. Description of traditional forest products and the processes involved in their manufacture; changes in manufacturing technology and the development of new forest products; relationships between wood properties and forest product properties; rapid methods for assessing wood properties. Three full-day field trips to wood processing plants are required.

FORS 7630. Intensive Forest Management. 3 hours. Effects of silvicultural treatments on growth, yield, and product distributions of forest stands. Effects of vegetation management at various points in the life of the stand, fertilization, thinning, pruning, and initial spacing included. Effect magnitude as an objective criterion for management decision making is emphasized.

FORS 7640. Advanced Forest Management. 3 hours. Models for estimating forest yields at different points in time, including models for uneven-aged stands, and thinned stands, and methods for adjusting for effects of cultural treatments. Whole stand and diameter distribution yield models examined.

FORS 7710. Advanced Forest Economics. 3 hours. Microeconomic and production economics theory with forest resources applications, financial analysis of investments, social benefit-cost analysis.

FORS 7780. Timberland Accounting, Finance, and Taxation. 3 hours. Timberland accounting, financial analysis of forest products company operations, financial evaluation of timberland investment and forest management decision alternatives, linkages between financial markets and timberland, timber taxation, and strategies involving forest assets in estate planning.

FORS 7790. Forest Finance Decisions. 3 hours. Analysis of forest asset financing, acquisition, management, and disposition decisions from a financial perspective. Development of financial strategies for a forestry operation, timberland portfolio management, asset pricing models and timberland, the behavior and evolution of forest asset markets, timber access options, and entrepreneurship in forestry.

FORS(AAEC) 7860. Resource Economics and Management. 3 hours. Economic and physical concepts of scarcity, the impact of market and social factors on resource use, and the optimal management of renewable and nonrenewable resources.

FORS 7870. The Science of Sustainability. 2 hours. Sustainability is everywhere. Despite its popularity, however, the concept of sustainability is difficult to define or operationalize. This seminar will investigate definitions of sustainability and the scientific basis for operationalizing the concept. We will focus on quantifiable metrics that might help determine if we are managing our natural resources sustainably.

FORS 7900. Forest Operations Management and Planning. 3 hours. An investigation of issues and techniques in planning, development, and management of forestry business

operations. Content is divided into two components: operations strategy formulation and operations strategy implementation. Special emphasis will be placed on the application of advanced quantitative techniques to forestry operations management problems.

FORS 7981. Fisheries and Aquaculture Problems. 1-12 hours. Repeatable for maximum 24 hours credit. Individual student problems pertaining to fisheries and aquaculture at the masters level.

FORS 7982. Forestry Problems. 1-12 hours. Repeatable for maximum 24 hours credit. Individual student problems pertaining to forestry at the masters level.

FORS 7983. Forest Soils, Hydrology and Environmental Systems Problems. 1-12 hours. Repeatable for maximum 24 hours credit. Individual student problems pertaining to forest soils, hydrology, and environmental systems at the masters level.

FORS 7984. Wildlife Ecology and Management Problems. 1-12 hours. Repeatable for maximum 24 hours credit. Individual student problems pertaining to wildlife ecology and/or management at the masters level.

FORS 7985. Natural Resource Recreation and Tourism Problems. 1-12 hours. Repeatable for maximum 24 hours credit. Individual student problems pertaining to natural resource recreation and tourism at the masters level.

FORS 7990. Supervised Professional Practicum in Forest Resources. 1-10 hours. Repeatable for maximum 40 hours credit. Prerequisite: Permission of school. University-level teaching, including the presentation of lectures and/or laboratory sessions under faculty supervision, at the masters level.

FORS 8000. Forest Resources Seminar. 1-2 hours. Repeatable for maximum 4 hours credit. Fundamental and applied topics relating to multiple-use management of forests and wild land, including literature review and current advances.

FORS 8010. Forest Business Seminar. 1 hour. Current and emerging issues in forest business management, including literature review and case presentations. Students will be expected to give brief presentations on assigned topics.

FORS 8020. Bio-Based Economy Seminar. 1-3 hours. Issues and opportunities associated with generating electric power or producing liquid fuels or other products from biomass. Topics include the economics of bio-based products, potential feedstock sources, alternative conversion processes for energy or fuels, harvesting and handling issues, production cost, and energy balances in alternative systems.

FORS 8030. Advanced Tree Physiology. 3 hours. Recent research in the processes that directly or indirectly affect carbon gain and allocation, including photosynthesis, respiration, nutrient uptake, water relations, and growth of trees.

FORS 8040. Current Topics in Forest Biotechnology. 3 hours. Applications of genetic, biochemical, and physiological principles to forest trees; forest products and organisms affecting forests, including in vitro propagation, genetic engineering, genomic mapping, bioprocessing and biological control of tree pests and pathogens.

FORS 8050. Forest Stand Dynamics. 3 hours. Dynamics of mortality, growth, and biomass allocation in forest stands during the four stages of development (stand initiation, stem exclusion, transition, and old growth) with emphasis on silviculture of southeastern United States forests.

FORS 8100. Advanced Forest Ecology. 3 hours. Factors regulating the structure and function of forest ecosystems, forest energetics, community dynamics, and research methods.

FORS 8120. Hillslope Hydrology Seminar. 3 hours. Current concepts used to describe water and chemical movement on watersheds scales. Conceptual models of flow at watershed scales, saturated/unsaturated flow and transport processes, and techniques for measuring soil moisture, soil potential, and lateral surface and subsurface flow.

FORS 8150. System Identification for the Environmental Scientist. 3 hours. Calibration of models of environmental systems against field data. Methods of parameter estimation, recursive estimation, time-series analysis and filtering theory. Model validation and analysis of uncertainty. Case studies in surface and groundwater quality and aquatic ecosystems.

FORS 8160. Environmental Process Control Laboratory. 2 hours. Instrumentation and systems for real-time remote sensing and control of the behavior of environmental systems and contaminant treatment technologies. Functions of on-line respirometry and intelligent/software sensors. Principles and integration of sample retrieval, preparation, analysis, data storage, communication, and presentation.

FORS 8170. Environmental Systems Analysis and Control. 1-3 hours. Current topics, books and articles in inter-disciplinary studies of the analysis and regulation of environmental systems. Cross-disciplinary thinking through a diverse set of topics (such as choice of wastewater infrastructure for sustainable cities, or protocol for model validation).

FORS 8180. Principles of Forest Land Treatment. 2 hours. Basic principles for designing forested systems for treatment of municipal and industrial biosolids and wastewater. Hydrologic loading and assimilation/degradation pathways for N, P, metals and organics; methods for determining land-limiting constituents.

FORS 8200. Scientific Research in Forest Resources. 3 hours. The scientific method, standards for good scientific conduct, research proposal writing and reviewing skills are emphasized.

FORS 8210-8210L. Scientific Communication in Natural Resources. 3 hours. Preparation of scientific manuscripts for publication and presentation of papers at scientific conferences. Preparation of individual manuscripts, figures, and tables; writing with clarity, brevity, and word economy; dealing with journal editors and reviewers; reviewing and editing manuscripts;

preparing proposals for funding; presentation of oral and poster papers at scientific conferences; and preparation of visual aids.

FORS 8290. Wildlife Telemetry. 3 hours. Radio-telemetry is a widely used and important technique in wildlife management and conservation. Exploration of the various aspects of applications of the technique, analysis of telemetry data, and the numerous pitfalls researchers encounter in the field. Rapid changes in technology and use of wildlife telemetry outside of traditional applications will be covered.

FORS 8300. Wildlife and Fisheries Seminar. 1-2 hours. Repeatable for maximum 6 hours credit. Recent advances in wildlife and fisheries research and management.

(FORS)ECOL(PBIO) 8310. Population Ecology. 4 hours. 3 hours lecture and 2 hours lab per week. Advanced ecological theory to biological populations. Mathematical and evolutionary treatment of population growth and regulation, niche theory, foraging theory, predator-prey theory, habitat selection, and competition.

(FORS)ECOL 8322. Concepts and Approaches in Ecosystem Ecology. 4 hours. Ecosystem biogeochemical processes and the organism-organism, organism-environment interactions that regulate them. The relationship of ecosystem structure and function to foodwebs, global change, scaling, nonlinearity, self-organization, and approaches to study these.

(FORS)ECOL(PBIO) 8325-8325L. Modeling Population Ecology. 4 hours. Review of some commonly used mathematical approaches to modeling ecological populations, including single species approaches (discrete and continuous time), age/stage structure, species interactions, spatial structure, harvesting, and management.

FORS(ECOL) 8330. Landscape Ecology. 3 hours. The emerging field of landscape ecology, emphasizing the study of large land areas and the effects of spatial pattern on ecological processes. Fundamental theories, analysis tools, research methods, and their applications to natural resource management at broad spatial scales.

FORS 8350-8350L. Waterfowl and Wetland Management. 4 hours. Ecology of North American waterbirds (ducks, geese, swans, shorebirds, rails, gallinules, wading birds) and their habitats. Techniques for managing waterfowl populations by harvest regulations and habitat manipulation. Identification and requirements of important wetland plants.

FORS 8360. Quantitative Approaches to Conservation Biology. 4 hours. Course format utilizes lectures, discussions of journal articles, and computer simulation exercises (including model selection/analysis) to explore new quantitative approaches to conservation biology. Topics include habitat selection theory, landscape ecology, and population viability analysis. Students should have previous courses in ecology and statistics.

FORS 8390-8390L. Estimation of Fish and Wildlife Population Parameters. 4 hours. Statistical methods for estimating parameters and testing hypotheses of fish and wildlife populations. Models of population dynamics. Sampling and estimation methods including line-

transect, mark-recapture, removal, catch-effort, tag-recovery, and analysis of failure times. Optimization and decision-theoretic methods for wildlife and fisheries management.

(FORS)(ECOL)PBIO 8410. Community Ecology. 4 hours. The applicability of advanced theory to multi-species communities. Patterns and processes that influence species composition, diversity, and function. Topics include deterministic vs. stochastic regulation, succession, resource partitioning, patch dynamics, island biogeography, and food webs.

FORS 8450. Advanced Forest Planning. 3 hours. This course is designed to provide students with the theory, techniques, and tools associated with the most common, and more recently introduced, operations research techniques used in developing forest plans.

FORS 8470. Self-Referencing Modeling for Environmental Sciences. 3 hours. Repeatable for maximum 6 hours credit. Application of statistical, mathematical, and computational, modeling concepts to the development of advanced self-referencing functions describing the dynamics of multi-dimensional systems affected by unobservable variables. Use of the generalized algebraic difference approach and stochastic parameter estimation to develop theory-based, base-age and path invariant, generalized, unbiased self-referencing models with base-age independent parameter estimates.

FORS 8480. Quantitative Modeling of Forest Stands. 3 hours. Application of statistical and mathematical modeling concepts along with computer technology to develop models of forest tree and stand growth and yield. Formulation of mathematical models with proper biological behavior and estimation of parameters using compatible growth and yield structures and systems fitting methods.

FORS 8490. Sampling Techniques for Biological Populations. 3 hours. Theory of probability sampling procedures for populations of interest to forest resource managers.

FORS(PARA) 8500-8500L. Diseases of Wildlife I. 5 hours. Fundamental causes of disease-induced morbidity and mortality among free-ranging wildlife populations. Etiology, pathogenesis, clinical signs, lesions, epidemiology, diagnosis, and management significance of diseases produced by viral and microbial pathogens.

FORS(IDIS) 8510-8510L. Diseases of Wildlife II. 5 hours. Fundamental causes of disease-induced morbidity and mortality among free-ranging wildlife populations. Emphasis is on the etiology, pathogenesis, clinical signs, lesions, epidemiology, diagnosis, and management significance of diseases of parasitic, toxicologic, or miscellaneous etiologies.

(FORS)(ECOL)EHSC 8610. Aquatic Toxicology. 3 hours. Toxicological effects of aquatic pollution focusing on fate and transport of xenobiotics; xenobiotic accumulation, dynamics, and toxicity in aquatic organisms; the analysis and modeling of the effects of aquatic pollution on organisms; and the determination of related risks to aquatic ecosystems and human populations.

FORS 8630. Animal Biodiversity and Conservation. 3 hours. Topics include formal logic and conservation biology, habitat selection theory, landscapes and biodiversity, island biogeography

and biodiversity, environmental variation, biodiversity, and resource use.

(FORS)(GEOL) 8730. Aquifer Mechanics. 3 hours. Mechanics of flow through subsurface media, including flow in confined, water table, and leaky aquifers, delayed yield, partially penetrating wells, boundaries, multiple wells, dual porosity media, and fractured rock; use of aquifer tests to estimate aquifer hydraulic properties.

(FORS)GEOL 8740. Hydrologic Flow and Transport Modeling. 3 hours. Solutions of surface and subsurface flow and transport problems including finite difference, finite element, and boundary integral methods. Analytic techniques include Laplace-, z-, and Fourier-transform, complex variable, and separation of variables methods. Application to problems commonly found in the environmental field, including capture zones, particle-tracking, advection-dispersion, and non-aqueous phase liquids.

(FORS)(ECOL)PBIO 8770. Communities and Ecosystems. 3 hours. Advanced synthesis of physiological, population, community, and ecosystem studies in the major terrestrial plant associations of the world.

FORS 8780. Issues in Timberland Finance and Management. 3 hours. Current and emerging issues in financing and managing timberland properties. Valuation, risk analysis, and forms of timberland control, at domestic and international levels.

(FORS)(CRSS)(ECOL)PBIO 8850-8850L. Terrestrial Biogeochemical Cycling. 4 hours. Plant processes which mediate biogeochemical cycling on land. Includes survey of global element cycling, functions of essential elements, element acquisition, translocation and loss by plants, litter decomposition, and methods of estimating standing stocks of elements in and transfer rates of elements between ecosystem components.

Appendix C

Sample MNR Program of Study

**Sample Program of Study
Masters of Natural Resources**

Example Student: Undergraduate degree in Geography, pursuing MNR in Forest Biology

Required Graduate Course from within Warnell (12 credit hour minimum):

| Course Prefix | Course Name | Credit Hrs | Grade | Term |
|---------------|---|------------|-------|------|
| FORS 8200 | Scientific Research in Forest Resources | 3 | | |
| FORS 7200 | Master's Research | 3 | | |
| FORS 8100 | Advanced Forest Ecology | 3 | | |
| FORS 9210 | Applied Research in Forest Resources | 3 | | |

Required Courses External to Warnell (6 credit hour minimum):

| Course Prefix | Course Name | Credit Hrs | Grade | Term |
|---------------|--------------------------------------|------------|-------|------|
| GEOG 6370 | Geographic Information Science | 3 | | |
| PBIO 6650/L | Plant Taxonomy w/Lab | 4 | | |
| HORT 6590 | Soil Fertility & Plant Nutrition | 3 | | |
| HORT 6590L | Soil Fertility & Plant Nutrition Lab | 1 | | |

Other Graduate Courses (15 credit hour minimum):

| Course Prefix | Course Name | Credit Hrs | Grade | Term |
|---------------|---|------------|-------|------|
| FORS 7983 | Soils, Hydrology & Environmental Systems Problems | 3 | | |
| FORS 7982 | Forestry Problems | 3 | | |
| FORS 9210 | Applied Research | 1 | | |
| AGED 6010 | Agricultural Education Leadership Seminar | 1 | | |
| HORT 6440 | Environmental Physiology | 3 | | |
| STAT 6210 | Statistical Methods I | | | |

Appendix D

Curriculum Vitae of Warnell Faculty Intending to Advise MNR Graduate Students

CURRICULUM VITAE

Michael Bruce Beck

Date of Birth: 16 September 1948

Address: 785 Riverbend Parkway
Athens, Georgia 30605, USA

Website: www.modeling.uga.edu

EDUCATION AND QUALIFICATIONS

1967-1970 **University of Exeter**
BSc in Chemical Engineering

1970-1973 **King's College, University of Cambridge**
PhD in Control Engineering. Title of Thesis: The Application of Control and Systems Theory to Problems of River Pollution.

AWARDS AND DISTINCTIONS

Enplas Lecturer, Kennesaw State University (2001)
Elected member, Strategic Council, International Water Association (IWA)
(Served 2002-2004 term)
Appointed member, National Research Council (National Academies of Science) Committee on Selection and Use of Models in the Regulatory Decision Process (2003-2007)
2003 Best Theoretical Paper Award, Journal of Water Resources Planning and Management, American Society of Civil Engineers (2004)
Institute Scholar, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria (2006 and 2007)

EXPERIENCE

1993-
present **University of Georgia, Athens, Georgia**
D B Warnell School of Forest Resources

Professor and Eminent Scholar
Wheatley-Georgia Research Alliance Chair of Water Quality and

Environmental Systems

Adjunct Professor

Department of Biological and Agricultural Engineering (1994-2001)

Imperial College, University of London

Department of Civil and Environmental Engineering

Visiting Professor and Senior Research Associate

RESEARCH INTERESTS

Environmental Systems Analysis. Mathematical modeling; analysis of uncertainty in environmental simulation models; protocols for model validation; structural change, environmental foresight, and forecasting environmental change; signal processing, filtering theory, recursive estimation and time-series analysis.

Engineering Process Control. Instrumentation, control and automation of municipal and industrial wastewater treatment facilities; microbial ecosystem control; risk, process reliability, and transient pollution events; high-performance integrated control (H-PIC) of urban wastewater infrastructures; operational watershed management.

Policy and Technology Review. Sustainable cities and their wastewater infrastructures; future trends in technologies of environmental protection; strategic developments in Civil Engineering; adaptive community learning.

OTHER PROFESSIONAL ACTIVITIES

Founder, Secretary, Vice-Chair, and Chair, Specialist Group on Systems Analysis and Integrated Assessment, International Water Association (IWA) (1984-present).

Member, Strategic Council, IWA (Term of office: 2002-2004).

Director, Sustainability Programme, IWA (2001-present).

Founding Member, Executive Board, International Environmental Modelling and Software Society (iEMSs) (2000-present).

Founding Member, Board, The International Integrated Assessment Society (TIAS) (2003-present).

Member, Automation and Information Management Committee, Water Environment Federation (WEF) (1997-2003).

Associate Editor, J Forecasting, Stochastic Hydrology and Hydraulics, Civil Engineering and Environmental Systems, Environmental Modelling and Software, Urban Water, Transactions of the (UK) Institute of Measurement and Control, Ecological Informatics, Engineering Sustainability (Proceedings Institution of Civil Engineers).

Member, Editorial Advisory Board, Integrated Assessment Studies, Book Series, Swets & Zeitlinger, Publishers, The Netherlands.

Specialist Technical Consultant, Unesco, WHO, Government of Portugal, Provincial Government of Emilia-Romagna (Italy), Environmental Protection Agency, State of São Paulo (Brazil), US Environmental Protection Agency, European Union, European Investment Bank, Department of Trade and Industry (UK), Water Research Centre (UK), North West Water, Lancashire, Cleveland, and Middlesbrough Councils, Eagle Star Property Management, and University of California San Francisco Medical School.

Expert Witness, House of Lords Select Committee (Tees Barrage Bill), House of Commons Environment Committee (Pollution of Beaches).

Member, Environmental Modeling Subcommittee, Science Advisory Board, US Environmental Protection Agency (1998-2001).

Technical Advisor, Judge Marvin H Shoob, US Federal District Court, Sierra Club *et al* vs EPA, “Georgia TMDL” lawsuit (2001).

Member, The Mayor’s Clean Water Advisory Panel, City of Atlanta (2002).

RESEARCH SUPPORT

Community Values and the Long-term Integrity of Rapidly Urbanizing Watersheds (US EPA and UGARF: \$934k; 1997-2002)

Water Systems Center, Georgia Environmental Technology Consortium (GRA: \$108k; 1998-1999)

Development of Criteria for Real-time Control of Urban Wastewater Infrastructure (EPSRC: \$154k; 1998-2002)

Investigating the Role of Oxidized Iron in Surface Water Phosphorus Dynamics in the Georgia Piedmont (USGS: \$18k; 2001-2002)

Sensitivity and Uncertainty Analysis Methods for FRAMES-3MRA (HWIR) Multi-media Hazardous Waste Model (US EPA: \$217k; 2002-2006)

Identifying Sediment Phosphorus Release Pathways in Upper Klamath Lake, Oregon (US Fish and Wildlife Service: \$33k; 2003-2005)

Pilot Project for an Offset Banking Program in Georgia (Georgia Research Alliance and Georgia State University: \$80k; 2003-2006)

Implementing and Monitoring Stormwater Best Management Practices (BMPs) in Columbus, Georgia (US EPA: \$1.5M; 2005-2008)

TransAtlantic Uncertainty Colloquium (TAUC), (US NSF: \$100k; 2005-2007)
Characterizing Nutrient Releases from Southeastern Piedmont Lake
Sediments, (USGS: \$54k; 2006-2007)
Grand Challenges of the Future for Environmental Modeling, (US NSF:
\$101k; 2006-2007)

PUBLICATIONS (REFEREED)

(A) Books

Beck M B (Ed), “**Environmental Foresight and Models: A Manifesto**”, (Elsevier, Oxford), p 473, 2002.

Schütze M R, Butler D and Beck M B, “**Modelling, Simulation and Control of Urban Wastewater Systems**”, (Springer, Berlin), p 362, 2002.

Beck M B (Ed), “**Vulnerability of Water Quality in Intensively Developing Urban Watersheds**”, (Environmental Modelling and Software, Special Issue, 20(4)), 379-498, 2005.

Chen J and Beck M B (Eds), “**WATERMATEX 2004: Systems Analysis and Integrated Assessment in Managing the Water Environment**”, (Water Science and Technology, 53(1)), p 308, 2006.

Beck M B and Speers A (Eds), “**2nd Leading-Edge Conference on Sustainability in Water-Limited Environments**”, (Water and Environmental Management Series, Volume 10; IWA Publishing, London), p 226, 2006.

Contributions to Books

Beck M B, “Model Evaluation and Performance”, in **Encyclopedia of Environmetrics**, El-Shaarawi A H and Piegorsch W W eds (Wiley, Chichester), 2002, Volume 3, 1275-1279.

Beck M B, “Introduction”, Ch 1 in **Environmental Foresight and Models: A Manifesto**, Beck M B ed (Elsevier, Oxford), 2002, 3-9.

Beck M B, “We Have a Problem”, Ch 2 in **Environmental Foresight and Models: A Manifesto**, Beck M B ed (Elsevier, Oxford), 2002, 11-33.

Beck M B, “Beginnings of a Change of Perspective”, Ch 3 in **Environmental Foresight and Models: A Manifesto**, Beck M B ed (Elsevier, Oxford), 2002, 35-50.

Beck M B, “Structural Change: A Definition”, Ch 4 in **Environmental Foresight and Models: A Manifesto**, Beck M B ed (Elsevier, Oxford), 2002, 51-60.

Beck M B, “The Manifesto”, Ch 5 in **Environmental Foresight and Models: A**

Manifesto, Beck M B ed (Elsevier, Oxford), 2002, 61-93.

Beck M B, “Epilogue”, Ch 6 in **Environmental Foresight and Models: A Manifesto**, Beck M B ed (Elsevier, Oxford), 2002, 95-102.

Beck M B, Chen J and Osidele O O, “Random Search and the Reachability of Target Futures”, Ch 11 in **Environmental Foresight and Models: A Manifesto**, Beck M B ed (Elsevier, Oxford), 2002, 207-226.

Beck M B, Stigter J D and Lloyd Smith D, “Elasto-plastic Deformation of the Structure”, Ch 15 in **Environmental Foresight and Models: A Manifesto**, Beck M B ed (Elsevier, Oxford), 2002, 323-350.

Chen J and Beck M B, “Detecting and Forecasting Growth in the Seeds of Change”, Ch 16 in **Environmental Foresight and Models: A Manifesto**, Beck M B ed (Elsevier, Oxford), 2002, 351-373.

Kryazhinskii A V and Beck M B, “Identifying the Inclination of a System Towards a Terminal State from Current Observations”, Ch 19 in **Environmental Foresight and Models: A Manifesto**, Beck M B ed (Elsevier, Oxford), 2002, 425-451.

Parker P, Letcher R, Jakeman A J, Beck M B, Harris G P, Argent R M, Hare M P, Pahl-Wostl C, Voinov A, Janssen M, Sullivan P, Scoccimarro M, and others, “The Potential for Integrated Assessment and Modelling to Solve Environmental Problems: Vision, Capacity, and Direction”, in **Understanding and Solving Environmental Problems in the 21st Century**, Costanza R and Jørgensen S E eds (Elsevier, Oxford), 2002, xxx-xxx.

Hare M P, Barreteau O, Beck M B, Letcher R A, Mostert E, Tàbara J D, Ridder D, Cogan V, and Pahl-Wostl C, “Methods for Stakeholder Participation in Water Management”, Ch 8 in **Sustainable Management of Water Resources: An Integrated Approach**, Giupponi C, Jakeman A J, Karssenber D, and Hare M P, eds (Elgar, Chichester), 2006, 177-231.

Journal Articles

Chen J and Beck M B, “Operational Control of Storm Sewage at an Activated Sludge Process”, **Water Science and Technology**, 43(7), (2001), 131-137.

Duchesne S, Beck M B and Reda A L L, “Ranking Stormwater Control Strategies Under Uncertainty: the River Cam Case Study”, **Water Science and Technology**, 43(7), (2001), 311-320.

Osidele O O and Beck M B, “Identification of Model Structure for Aquatic Ecosystems Using Regionalized Sensitivity Analysis”, **Water Science and Technology**, 43(7), (2001), 271-278.

Zeng W and Beck M B, "Development and Evaluation of a Mathematical Model for the Study of Sediment-related Water Quality Issues", **Water Science and Technology**, 43(7), (2001), 47-54.

Schütze M, Butler D and Beck M B, "Parameter Optimisation of Real-time Control Strategies for Urban Wastewater Systems", **Water Science and Technology**, 43(7), (2001), 139-146.

Parker P, Letcher R, Jakeman A J, Beck M B and others, "Progress in Integrated Assessment and Modelling", **Environmental Modelling & Software**, 17(3), (2002), 209-217.

Schütze M, Butler D, Beck M B and Verworn H-R, "Criteria for Assessment of the Operational Potential of the Urban Wastewater System", **Water Science and Technology**, 45(3), (2002), 141-148.

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Beck M B and Lin Z, "Transforming Data Into Information", **Water Science and Technology**, 47(2), (2003), 43-51.

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Beck M B, "Sustainability: Knowing It When We See It", **Water** 21, April, (2003), 49-51.

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Operations Research, 132 (2004), 207-221.

Stigter J D and Beck M B, “On the Development and Application of a Continuous-discrete Recursive Prediction Error Algorithm”, **Mathematical Biosciences**, 191(2) (2004), 143-158.

Zeng W and Beck M B, “Reply to ‘Comments on “STAND, a Dynamic Model for Sediment Transport and Water Quality” by W. Zeng and M. B. Beck, 2003. Journal of Hydrology 277, 125-133””, **J Hydrology**, 297 (2004), 305-307.

Zacharof A I, Butler, D, Schütze, M and Beck M B, “Screening for Real Time Control Potential of Urban Wastewater Systems”, **J Hydrology**, 299 (2004), 349-362.

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Beck M B, “Vulnerability of Water Quality in Intensively Developing Urban Watersheds”, **Environmental Modelling & Software**, 20(4), (2005), 381-400.

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Lin Z, and Beck M B, “Modeling and Detection of Structural Change in the Dynamics of DO in a Southeastern Piedmont Impoundment”, in **Proceedings 2003 Georgia Water Resources Conference** (K J Hatcher, ed), University of Georgia, Athens, Georgia, (2003), p 4.

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Osidele O O, Zeng W, and Beck M B, “Uncertainty Evaluation of Sediment Loading and Transport for the Chattahoochee River at Atlanta, Georgia”, preprint, **TMDL 2003**, Water Environment Federation, (2003), p 14.

Osidele O O, and Beck M B, “An Integrated Regionalized Sensitivity Analysis and Tree-structured Density Estimation Methodology”, in **Proceedings International Workshop on Uncertainty, Sensitivity, and Parameter Estimation for Multimedia Environmental Modeling**, Interagency Steering Committee on Multimedia Environmental Models, Report NUREG/CP-0187, United States Nuclear Regulatory Commission, Rockville, Maryland, (2004), pp 83-85.

Beck M B, “Uncertainty: Foresight, Evaluation, and System Identification”, in **Proceedings International Workshop on Uncertainty, Sensitivity, and Parameter Estimation for Multimedia Environmental Modeling, Interagency Steering Committee on Multimedia Environmental Models**, Report NUREG/CP-0187, United States Nuclear Regulatory Commission, Rockville, Maryland, (2004), pp 95-101

Ciavatta, S, Pastres, R, Badetti, C, Ferrari, G, and Beck, M B, “Estimation of Phytoplankton Production From Data Collected By a Real-time Monitoring Network in the Lagoon of Venice”, in **Proceedings European Conference on Ecological Modelling**, Puschino, Russia, (2005).

Beck M B and Jiang F, “Factor 10 Engineering for Sustainable Cities: Water

Infrastructure”, in **Proceedings International Association of Bridge and Structural Engineers (IABSE) Henderson Colloquium**, Magdalene College, Cambridge, UK, (2006).

Beck M B, Jeffrey P and Speers A, “Taking the Long Term View”, Editorial, **Water Management: Your Guide to Sustainable and Strategic Water Management** (An independent Supplement from Mediaplanet distributed with *The Times* of London), 19 July (2006).

Beck M B, Parker A K, Rasmussen T C, Patten B C, Norton B G and Steinemann A, “Community Values and the Long-term Ecological Integrity of Rapidly Urbanizing Watersheds”, **Final Report, Research Grant # R825758, US Environmental Protection Agency**, Warnell School of Forest Resources, University of Georgia, Athens, Georgia, (2002), p 70.

Cummings R G, Taylor L O and Beck M B, “Developing Offset Banking Systems in Georgia”, **Water Policy Working Paper #2003-002**, Andrew Young School of Policy Studies, Georgia State University, Atlanta, Georgia, (2003), p 25.

Jiang F, Beck M B and Holliday C, “Preliminary Report on Monitoring Campaign, Athens No 2 Wastewater Treatment Plant”, Warnell School of Forest Resources, University of Georgia, Athens, Georgia, (2003), p 30.

Jiang F, Beck M B, Cummings R G, Rowles K and Russell D, “Estimation of Costs of Phosphorus Removal in Wastewater Treatment Facilities: Construction *De Novo*”, **Water Policy Working Paper #2004-010**, Andrew Young School of Policy Studies, Georgia State University, Atlanta, Georgia, (2004), p 28.

Beck, M B, Bayer, J and Thompson, M, “Water at IIASA”, Background document, Scoping Meeting, International Institute for Applied Systems Analysis, Laxenburg, Austria, (2004), p 16.

Jiang F, Beck M B, Cummings R G, Rowles K and Russell D, “Estimation of Costs of Phosphorus Removal in Wastewater Treatment Facilities: Adaptation of Existing Facilities”, **Water Policy Working Paper #2005- 011**, Andrew Young School of Policy Studies, Georgia State University, Atlanta, Georgia, (2005).

John P. Carroll, Ph.D.

Professional Employment

- Professor, Warnell School of Forestry and Natural Resources, University of Georgia, July 2006 – Present
- Visiting Professor, School of Bioresources & Technology, King Mongkut's University of Technology, Thonburi, Bangkok, Thailand, November 2006
- Associate Professor, Warnell School of Forestry and Natural Resources, University of Georgia, March 2001 – June 2006
- Visiting Professor, Department of Wildlife Ecology and Management, University of Freiburg, Freiburg, Germany, December 2004.
- Assistant Professor, Warnell School of Forestry and Natural Resources, University of Georgia, March 1998 – February 2001

Education

Ph.D., University of North Dakota, 1989; M.S., Eastern Kentucky University; 1982; B.S., University of Massachusetts, 1979

Postgraduate Awards and Honors

- African Studies Institute, University of Georgia, Outstanding Service Award, 2007
- African Studies Institute, University of Georgia, Outstanding Service Award, 2005
- University of Georgia Outstanding Teaching Award, 2004

University of Georgia Faculty, Research, and Professional Websites

- WSFNR faculty site - <http://www.warnell.uga.edu/Members/carroll>
- Personal research site - <http://gamebird.forestry.uga.edu/research>
- Bobwhite quail genetics - <http://gallus.forestry.uga.edu/genetics/index.php>
- WSFNR wildlife genetics lab - <http://gallus.forestry.uga.edu/lab/>
- World Pheasant Association Scientists Training Workshop website - http://coopunit.forestry.uga.edu/WPA_STW/index.html
- Tinamou research group – maintained by Jeff Thompson (Ph.D. student in my group) - <http://gallus.forestry.uga.edu/~jft/index.htm>
- Galliformes genetics group – maintained by Brant Faircloth (Ph.D. student in my group) - <http://gallus.forestry.uga.edu/ggg/>
- IUCN-SSC PQF Specialist Group - <http://www.gct.org.uk/pqf/main.html>

University Teaching

University of Georgia – 1998 - Present

FORS 5770-7770 - Applied Population Dynamics (4 credits –going to 3 credits spring 2007), 6 semesters, taught every spring semester, Senior/Graduate - <http://gamebird.forestry.uga.edu/fors5770>

FORS 8290 - Wildlife Telemetry (1 credit—going to 3 credits spring 2007), 3 semesters, taught every spring semester, graduate - <http://gamebird.forestry.uga.edu/fors8290>

FORS 8300 - Fish and Wildlife Seminar, 2 semesters, graduate

FORS 5250-7250 - International Wildlife Conservation (South Africa Study Abroad) (6 credits), 6 semesters, taught every Maymester, senior/graduate - <http://gallus.forestry.uga.edu/SA/>

FORS 5250 - Wildlife Conservation in the Republic of Georgia (Study Abroad) (4 credits), 1 semester, taught spring 2005, undergraduate - <http://gallus.forestry.uga.edu/ROG/>

FORS 5330-7330 - Wildlife Management in Agricultural Ecosystems (3 credits), 1 semester, senior/graduate - <http://gamebird.forestry.uga.edu/fors5330>

FORS 3000 - Field Measurements (4 credits), 5 semesters, taught every spring until 2005, junior

FORS 4730 - Senior Project (4 credits), 2 semesters, senior

FORS 7450 - Senior Thesis (4 credits), 5 students, senior

FORS 2100 - International Issues in Conservation (3 credits), 3 semesters, non-major -

<http://gallus.forestry.uga.edu/fors2100>

This course listing does not include graduate student research courses (FORS 7480), M.S. research or thesis hours (FORS 7000, 7300) or Ph.D. research or dissertation hours (FORS 9000, 9300)

King Mongkut's University of Technology – 2006

Applied Population Ecology, graduate students. Invited to fill need in department for a course in population biology until the position can be filled. About 35 hours of lectures and 25 hours of lab.

University of Freiburg – 2004

Wildlife Management, 2 sections, 2nd and 3rd year students. Co-taught course with Dr. Ilse Storch, presented 16 1-hour lectures.

Supervision of Graduate Students

Completed 22 M.S. students at the University of Georgia, California University of Pennsylvania, and University of Reading-UK. Currently supervising 5 M.S. students. Completed 3 Ph.D. students at the University of Georgia, University of Southampton-UK, and University of Florence-Italy. Currently supervising 6 Ph.D. students

Membership on M.S. and Ph.D. Graduate Committees

In addition to 20+ graduate committees at UGA, Dr. Carroll has served as an external examiner for Ph.D. students at the University of Oulu, Finland, and M.S. students at the University of Capetown and Technicon Pretoria, South Africa. He presently serves on the committees of a large number of both M.S. and Ph.D. students at the University of Georgia and as an external committee member for a student at the King Mongkuts University-Thailand, and Liverpool John Moores University-UK.

Publications (last 2 years)

Books and Monographs:

1. Conroy, M.J., and J.P. Carroll. 2007 (projected). Quantitative approaches for the conservation of vertebrate diversity. (finalizing agreement with Blackwell to publish English version by late-2007). About 500pp.
2. Ding, C.Q, M.J. Conroy, and J.P. Carroll. 2007 (projected). Quantitative approaches for the conservation of vertebrate diversity. (finalizing agreement with Blackwell to publish Chinese language version by mid-2007). About 500pp.
3. Senar, J.C., M.J. Conroy, and J.P. Carroll. 2007 (projected). Quantitative approaches for the conservation of vertebrate diversity. (Spanish language edition likely to be published in Spain). About 500pp.
4. Cederbaum, S., B. Faircloth, T. Terhune, J. Thompson, and J. Carroll (eds). 2006. Proceedings of Gamebird 2006 – A Joint Conference of Quail VI and Perdix XII. University of Georgia, Athens. *In press*.

Chapters in Books and Published Proceedings:

1. Carroll, J.P., S. Felege-Ellis, W.E. Palmer. Impacts of predators on Northern Bobwhites in the Southeast. Pages xx-xx in the Proceedings of the 72nd North American Wildlife and Natural Resources Conference. Wildlife Management Institute, Washington, D.C. *In press*

2. Thompson, J.J. and J. P. Carroll. 2007. Habitat use and survival of the spotted tinamou (*Nothura maculosa*) in Agroecosystems in the Province of Buenos Aires, Argentina. Pages xx-xx in Cederbaum, S., B. Faircloth, T. Terhune, J. Thompson, and J. Carroll (eds), Gamebird 2006 – A Joint Conference of Quail VI and Perdix XII. University of Georgia, Athens. *In press*.
3. Little, I. T., S. D. Wellendorf, W. E. Palmer, T. M. Crowe, and J. P. Carroll. 2007. Effects of Timber Volume on Northern Bobwhite (*Colinus virginianus*) Autumn Abundance. Pages xx-xx in Cederbaum, S., B. Faircloth, T. Terhune, J. Thompson, and J. Carroll (eds), Gamebird 2006 – A Joint Conference of Quail VI and Perdix XII. University of Georgia, Athens. *In press*.
4. Whitelaw, R. E., S. D. Wellendorf, W. E. Palmer, and J. P. Carroll. 2007. Use of Supplemental Feed by Northern Bobwhite (*Colinus virginianus*) in the Red Hills Region of Georgia and Florida. Pages xx-xx in Cederbaum, S., B. Faircloth, T. Terhune, J. Thompson, and J. Carroll (eds), Gamebird 2006 – A Joint Conference of Quail VI and Perdix XII. University of Georgia, Athens. *In press*.
5. Woodburn, M.I.A., J.P. Carroll, P.A. Roberstion, and A.N.Hoodless. 2007. Age determination of pheasants (*Phasianus colchicus*) using discriminant analysis. Pages xx-xx in Cederbaum, S., B. Faircloth, T. Terhune, J. Thompson, and J. Carroll (eds), Gamebird 2006 – A Joint Conference of Quail VI and Perdix XII. University of Georgia, Athens. *In press*.

Peer-reviewed Journal Articles:

1. Doxon, E.D. and J.P. Carroll. Vegetative and Invertebrate Community Characteristics of Conservation Reserve Program Fields Relative to Gamebirds in Western Kansas. American Midland Naturalist *in press*.
2. Folk, T.H., J.B. Grand, W.E. Palmer, J.P. Carroll, H.L. Stribling, D.C. Sisson, T.M. Terhune, and S.D. Wellendorf. 2007. Estimates of survival from radio-telemetry: a response to Guthery and Lusk. Journal of Wildlife Management 70:1027-1033.
3. Morgan, J.J., S. Schweitzer, and J.P. Carroll. Eastern wild turkey use of a landscape dominated by agriculture and pine plantations. Southeastern Naturalist. *In press*.
4. Faircloth, B.C., G.P. Keller, C.J. Nairn, W.E. Palmer, J.P. Carroll, and P.A. Gowaty. 2006. Tetranucleotide microsatellite primers from the eastern bluebirds (*Sialia sialis*). Molecular Ecology Notes. 6:646-649.
5. Terhune, T.M., D.C. Sisson, H.L. Stribling, and J.P. Carroll. 2006. Home range, movement, and site fidelity of translocated northern bobwhite in southwestern Georgia, U.S.A. European Journal of Wildlife Research 51:119-124.

Other Reports

1. Sisson, C., D. Howell, and J.P. Carroll. 2004. Report on the feasibility of northern bobwhite restoration in Pennsylvania. Report submitted to the Pennsylvania Game Commission, West Penn Conservancy, California University Foundation, and U.S. Fish and Wildlife Service. 13 pp.
2. Hamrick, R. and J.P. Carroll. 2003. Feral Donkeys of Cyprus: results and conclusions from line transect data analyses. Report Submitted to the Hunting Association of the Turkish Republic of North Cyprus. 34pp.

Papers at Conferences (last 2 years)

All papers are oral presentations unless noted. Also, invited papers are noted.

1. Ellis-Felege, S.N., J.P. Carroll, M.J. Conroy, W.E. Palmer, and D.C. Sisson. Shifts in nest predation risk of Northern Bobwhites as a result of meso-mammalian predator removal in the Southeastern U.S.A. International Union of Game Biologists XXVIIIth Congress, 13-18 August 2007, Uppsala, Sweden.
2. Eo, S.H., C.J. Nairn, and J.P. Carroll. Subspecies and management units of the Northern Bobwhite in the United States. 125th Meeting of the AOU, 8-11 August 2007. University of Wyoming, Laramie, Wyoming.

3. Carroll, J.P., S. Felege-Ellis, W.E. Palmer. Impacts of predators on Northern Bobwhites in the Southeast. 72nd North American Wildlife and Natural Resources Conference. 20 March 2007, Portland, Oregon.
4. Carroll, J.P. Neotropical quail conservation: A global perspective. Fourth North American Ornithological Conference Worskhop – Neotropical Quail: Status, Conservation, and Research. 8 October 2006, Veracruz, Mexico.
5. Martin, J.A., A.B. W.E. Palmer, Butler, T.C. Hines, G. Hendricks, and J.P. Carroll. Implementing the Northern Bobwhite Conservation Initiative on rangelands in Florida using Farm Bill programs. The Wildlife Society 13th Annual Conference, 27 September 2006, Anchorage, Alaska (Poster)
6. Carroll, J.P. T.M. Terhune, D.C. Sisson, W.E. Palmer, H.L. Stribling, and B.C. Faircloth. Effects of translocation on avian population genetics and demographics with a fragmented landscape. The Wildlife Society 13th Annual Conference, 27 September 2006, Anchorage, Alaska (Poster)
7. Rodriguez, J.A., and J.P. Carroll. Population dynamics of intestinal parasites in reared and wild northern bobwhite quail in the southeastern, U.S.A. The Wildlife Society 13th Annual Conference, 27 September 2006, Anchorage, Alaska (Poster)
8. Faircloth, B.C., T.M. Terhune, M.J. Conroy, D.C. Sisson, W.E. Palmer, H.L. Stribling, and J.P. Carroll. Censor periods in survival analysis. The Wildlife Society 13th Annual Conference, 27 September 2006, Anchorage, Alaska (Poster)
9. Eo, S.H., C. J. Nairn, and J.P. Carroll. Phylogeography and genetic population structure of the northern bobwhite (*Colinus virginianus*). Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
10. Folk, T.H., J.B. Grand, W.E. Palmer, J.P. Carroll, D.C. Sisson, T.M. Terhune, S.D. Wellendorf, and H.L. Stribling. Estimates of survival from radio-telemetry: A response to Guthery and Lusk. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
11. Faircloth, B.C., T.M. Terhune, M.J. Conroy, D.C Sisson, W.E. Palmer, H.L. Stribling, and J.P. Carroll. Censor period in survival analysis. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
12. Smith, M.D., R.G. Hamrick, L.W. Burger, and J.P. Carroll. Estimating sample sizes for distance sampling of autumn northern bobwhite (*Colinus virginianus*) populations. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
13. Doxon, E.D., and J.P. Carroll. Consumption of invertebrate agricultural pest species by human-imprinted northern bobwhite (*Colinus virginianus*) chicks. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
14. Cook, P., J.P. Carroll, R.G. Hamrick. Effects of sex, age, and habitat on northern bobwhite (*Colinus virginianus*) spring dispersal patterns in a South Georgia agricultural landscape. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
15. Martin, J.A., W.E. Palmer, T.C. Hines, and J.P. Carroll. Northern bobwhite (*Colinus virginianus*) breeding season survival on a rotationally grazed South Florida ranch. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
16. Burkhart, J.K. and J.P. Carroll. Vegetation composition of Georgia Department of Natural Resources Bobwhite Quail Initiative field borders. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens. (Poster)
17. Valentine, T.L., B.C. Faircloth, C.J. Nairn, W.E. Palmer, and J.P. Carroll. Assessment of gene flow between and introgression of pen-raised stock into northern bobwhite (*Colinus virginianus*) populations in the Southeast using microsatellite markers. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens. (Poster)
18. Crawford, N, J.A. Martin, and J.P. Carroll. Northern bobwhite (*Colinus virginianus*) brood habitat selection in South Florida. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens. (Poster)

19. Martin, J.A., W.E. Palmer, T.C. Hines, and J.P. Carroll. Habitat use of northern bobwhites (*Colinus virginianus*) on a rotationally grazed cattle ranch in South Florida. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens. (Poster)
20. Martin, J.A., W.E. Palmer, T.C. Hines, and J.P. Carroll. Population response and economic ramifications of habitat management on a working cattle ranch in South Florida. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens. (Poster)
21. Kaiser, W., I. Storch, and J.P. Carroll. Habitat use and survival of gray partridge (*Perdix perdix*) in Bavaria, Germany. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens. (Poster)
22. Carroll, J.P. and R.J. Cooper. Use of recently established Longleaf Pine Conservation Priority Area stands by northern bobwhites (*Colinus virginianus*) in South Georgia, U.S.A. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens. (Poster)
23. Ellis-Felege, S., W.E. Palmer, L.W. Burger, jr., and J.P. Carroll. Assessing measures of northern bobwhite (*Colinus virginianus*) productivity. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens. (Poster)
24. Martin, J.A., W.E. Palmer, A.B. Butler, T.C. Hines, G. Hendricks, and J.P. Carroll. Implementing the Northern Bobwhite Conservation Initiative on rangelands in Florida using Farm Bill Programs. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
25. Rodriguez, J.A. and J.P. Carroll. Parasite ecology of reared and wild northern bobwhites (*Colinus virginianus*) in the Southeastern U.S.A. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
26. Terhune, T.M., D.C. Sisson, W.E. Palmer, H.L. Stribling, B.C. Faircloth, and J.P. Carroll. Effects of translocation on northern bobwhite (*Colinus virginianus*) demographics with a fragmented landscape. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
27. Carroll, J.P., W.E. Palmer, D.C. Sisson, H.L. Stribling, R.P. Thornton, E.L. Staller, and S. Ellis-Felege. Meso-mammalian predation management and nesting ecology of northern bobwhites (*Colinus virginianus*). Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
28. Bliss, T.H. R.A.H. Draycott, B.C. Anderson, and J.P. Carroll. Survival and habitat use of wild pheasant (*Phasianus colchicus*) broods on farmland in Lower Austria. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
29. Carroll, J.P., B.C. Faircloth, and R. Machaidze. 2006. Observations on the Pheasant (*Phasianus colchicus*) in the Alazani River Valley, Republic of Georgia. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens. (Poster)
30. Thompson, J.J. and J. P. Carroll. 2006. Habitat use and survival of the spotted tinamou (*Nothura maculosa*) in Agroecosystems in the Province of Buenos Aires, Argentina. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
31. Little, I. T., S. D. Wellendorf, W. E. Palmer, T. M. Crowe, and J. P. Carroll. 2006. Effects of Timber Volume on Northern Bobwhite (*Colinus virginianus*) Autumn Abundance. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
32. Whitelaw, R. E., S. D. Wellendorf, W. E. Palmer, and J. P. Carroll. 2006. Use of Supplemental Feed by Northern Bobwhite (*Colinus virginianus*) in the Red Hills Region of Georgia and Florida. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.

33. Woodburn, M.I.A., J.P. Carroll, P.A. Roberstion, and A.N.Hoodless. 2006. Age determination of pheasants (*Phasianus colchicus*) using discriminant analysis. Gamebird 2006 - A Joint Conference of Quail VI and Perdix XII. 31 May – 4 June 2006, University of Georgia, Athens.
34. Thompson, J.J. and J.P. Carroll Temperate agroecosystems and agricultural intensification: Global trends and patterns and their implications for avian conservation and management. Conserving Birds in Human Dominated Landscapes 27-28 April 2006, American Museum of Natural History, New York, New York. (Poster)
35. Rodriguez, J., and J. Carroll. Population dynamics of intestinal parasites in reared and wild bobwhite quail in the Southeastern U.S. Georgia Chapter of The Wildlife Society, 13 April 2006, Charlie Elliott Wildlife Center, Georgia.
36. Martin, J.A., A.B. Butler, W.E. Palmer, T.C. Hines, G. Hendricks, and J.P. Carroll. Implementing the Northern Bobwhite Conservation Initiative on rangeland in Florida using farm bill programs. Southeast Partners in Flight Meeting, 1-4 March 2006, Tallahassee, FL. (Poster)
37. Butler, A.B., J.A. Martin, W.E. Palmer, and J.P. Carroll. The effects of landscape context, patch size and micro-site characteristics on the avian community of South Florida dry prairie. Southeast Partners in Flight Meeting, 1-4 March 2006, Tallahassee, FL. (Poster)

Grants Received (last 3 years)

1. Nairn, J.C. and J.P. Carroll. Structure and gene flow in loggerhead turtle populations of the southeastern United States. Georgia Department of Natural Resources. April 2007, \$64,390.
2. Warren, R.J. and J.P. Carroll. A 6-year study of diet, age, and reproductive responses of mesomammals to intensive predator removal. Berryman Institute (Eastern Unit), Mississippi State University. June 2006, \$15,000.
3. Carroll, J.P. and R.J. Warren. Wildlife management and gamebird restoration project-2007. Sub-contract from direct Congressional appropriation to USDA-Wildlife Services and the University of Georgia, July 2006--pending. \$78,690. July 2001-2006 awarded, \$484,165.
4. Fisk, A.T., and J.P. Carroll. Ecology of the snake community of the Red Hills Region relative to management for northern bobwhites: assessing the diet choices of snakes using stable isotopes. Florida Fish and Wildlife Conservation Commission. December 2005. \$9,660.
5. Nairn, J.C., S.A. Castleberry, and J.P. Carroll. Microsatellite markers for analysis of loggerhead sea turtle population structure. Georgia DNR, Nongame Division. May 2005. \$5,000.
6. Carroll, J.P. Gamebird research. Donation from Northeast Georgia Chapter of Quail Unlimited. April 2002, June 2004, May 2005. \$13,400.
7. Carroll, J.P. Genetic investment of individual northern bobwhites. Tall Timbers Research Station. August 2000, December 2001, December 2002, December 2004, May 2007. \$111,704.
8. Carroll, J.P. Population dynamics of intestinal parasites in reared and wild northern bobwhite quail *Colinus virginianus*. Georgia Department of Natural Resources. September 2004. \$11,299.

Professional Service

- Chair, Scientists Workshop - Young Asian Biologist Training Workshop, scheduled for October 2007 in Chengdu, Sichuan, China.. One-week training program for 16 young Asian biologists in field methods for studying Galliformes.
- Chairman, Gamebird 2006: A Joint Conference – Quail VI and Perdix XII to be held May 2006. <http://gallus.forestry.uga.edu/QuailVI/>
- Scientific Committee for the XXVIIth Congress of the International Union of Game Biologists to be held August 2005. http://www.iugb-2005.de/index.php?main=program&sub=scientific_committee
- Georgia Bobwhite Quail Technical Committee, Northern Bobwhite Conservation Initiative, 2004-Present
- Rusch Award Committee of The Wildlife Society. 2003-Present
- Member, Conservation, Policy, and Programs Committee, World Pheasant Association, 1996-Present

CURRICULUM VITA FOR GARY T. GREEN

CONTACT INFORMATION

Work:

Daniel B. Warnell School of Forestry & Natural Resources
Bldg.1- Rm. 301D
University of Georgia
Athens, GA 30602
(706) 542-6556
ggreen@warnell.uga.edu

Home:

320 Crystal Court
Athens, GA 30606
(706) 296-3029

ACADEMIC HISTORY

Degrees:

| | |
|-----------|--|
| 1994-2000 | Doctoral Degree (Ed.D.), Recreation and Leisure Studies (Administration) University of Georgia |
| 1992-1994 | Masters of Education (M.Ed.), Sport Management University of Georgia |
| 1988-1990 | D.M.S., Management Studies, Recreation and Leisure Core University of Northeast London |
| 1986-1987 | C.M.S., Management Studies, Recreation and Leisure Core University of Westminster – Harrow Business School |

Academic Positions:

| | |
|--------------|--|
| 2004-Present | Assistant Professor, Daniel B. Warnell School of Forestry & Natural Resources, University of Georgia |
| 2004-2005 | Part-time Lecturer and Adjunct Assistant Professor, Department of Parks, Tourism, Recreation and Management, University of Clemson |
| 2002-2004 | Assistant Research Scientist, Daniel B. Warnell School of Forestry & Natural Resources, University of Georgia |
| 2003-2004 | Part-time Lecturer, Department of Sports Management, University of Georgia |
| 2002-present | Part-time Lecturer and Adjunct Assistant Professor, Recreation and Leisure Studies Department, University of Georgia |

Other Professional Employment:

| | |
|-----------|---|
| 2000-2002 | Project Research Director, University of Georgia, Recreation and Leisure Studies Department and USDA Forest Service |
| 1986-1992 | Regional Leisure Manager, Basildon Council, Essex |
| 1983-1986 | Leisure Manager, Basildon Sports Complex, Essex |
| 1982-1983 | Assistant Leisure Manager, Basildon Sport Complex, Essex |

ACADEMIC INSTRUCTION

Courses Taught at the University of Georgia:

* Denotes jointly taught course.

Course title: Environmental Interpretation for Recreation (RLST 4840/FORS 5930)
Year: Spring 1996 (4.0), Spring 1997 (4.1), *Spring 1998, *Fall 2006 (4.2), Fall 2007
Contribution: Created content and format.

Course title: Wilderness Management (RLST/FORS 7410/5410)
Year: *Spring 1999, *Spring 2000, Spring 2003 (4.7), Spring 2004 (4.8), Spring 2005 (4.3), Spring 2006 (4.6), Spring 2007 (4.7)
Contribution: Created course content for semester conversion.

Course title: Administration Practices in Leisure Services (RLST 4870)
Year: Spring 2001 (4.9)
Contribution: Created course content and format.

Course title: Sport, Culture, and Society (PEDS 7220)
Year: Fall 2003 (4.6)
Contribution: Created course content and format.

Course title: Society and Natural Resources (FORS 3810)
Year: *Fall 2005 (4.4), *Spring 2006 (4.7), *Fall 2006 (4.9), *Spring 2007 (4.9), Fall 2007
Contribution: Co-Created course content and format.

Course title: Tourism and Sustainable Development (FORS 7930/5930)
Year: Fall 2005 (4.3), Fall 2006 (4.6), Fall 2007
Contribution: Created course content and format.

Course title: Introduction to Outdoor Recreation and Natural Resources (FRES 1020)
Year: Spring 2006
Contribution: Created course content and format.

Course title: Issues in Natural Resources and Conservation (FRES 1020)
Year: Fall 2007
Contribution: Created course content and format.

Course title: Teaching Practicum (FORS 8300)
Year: Spring 2006 (4.5), Spring 2007 (4.8)
Contribution: Created course content and format.

Course title: Internship Program (RLST 5700)
Year: Spring 2006
Contribution: Monitored Students Internship and Grade final reports.

Study Abroad Programs at the University of Georgia:

Course title: Sustaining Human Societies and the Natural Environment (FORS 4271/6271)

Year: Maymester 2005 (May 11- June 4, 2005), New Zealand (35 students)

Contribution: Field Instructor

Course title: Sustaining Human Societies and the Natural Environment (FORS 4271/6271)

Year: Maymester 2006 (May 14- June 6, 2006), New Zealand (32 students)

Contribution: Field Instructor

Courses Taught at Other Universities:

University: Clemson

Course title: Introduction into Sport(s) Management (PRTM 254)

Year: Fall 2004 (4.6)

Contribution: Created course content and format.

Interactive Learning Tools:

Course title: Research and Evaluation in Recreation and Leisure Studies (RLST 4900)

Year: 2001-2

Contribution: Developed an on-line interactive (Web Ct) course and interactive distance learning CD

SCHOLARLY ACTIVITIES

Journal Articles:

*** Denotes abstract/manuscript published after editorial peer refereed review.**

*Green, G. T., Bowker, J. M., Johnson, C. Y., Cordell, H.K., & Wang, X. (2007). An examination of constraints to wilderness visitation. *International Journal of Wilderness*, 13(2), 26-36.

*Johnson, C. Y., Bowker, J. M., Green, G. T., & Cordell, H. K. (In Print). Provide it...but will they come? A look at Black and Hispanic visits to federal recreation areas. *Journal of Forestry*.

*Bowker, J.M., Murphy, D., Cordell, H.K., English, D.B.K., Bergstrom, J.C., Starbuck, C.M., Betz, C.J., & Green G.T. (2006). Wilderness and Primitive Area Recreation Participation and Consumption: An Examination of Demographic and Spatial Factors. *Journal of Agriculture and Applied Economics*, 38(2), 317-326.

*Green, G. T., Cordell, H. K., Distefano, C., & Betz, C. J. (2006). Construction and validation of the national survey on recreation and the environment's leisure lifestyles scale. *Journal of Leisure Research*, 38(4), 513-535.

*Green, G.T., Tarrant, M.A., Raychaudhuri, U., & Zhang, Y. (2005). Wilderness: In whose backyard? *International Journal of Wilderness*, 11(3), 31-38.

*Williams, R., Vogelsong, H., Green, G. T., & Cordell, H. K. (2004). Outdoor recreation participation of people with mobility disabilities: Selected results of the national survey

on recreation and the environment. *Journal of Park and Administration*, 22 (2), 84-100.

*Tarrant, M.A., Cordell, H.K., & Green, G.T. (2003). PVF: A scale to measure public values of forests. *Journal of Forestry*. 101(6), 24-30.

*Cordell, H.K., Tarrant, M.A., & Green, G.T. (2003). Is the public viewpoint of wilderness shifting? *International Journal of Wilderness*. 9(2), 27-32.

*Cordell, H. K., Green, G. T., & Betz, C. (2002). Cultural dimensions of recreation, and the environment. *Leisure Sciences*, 24(1), 13-41.

Electronic Articles:

Cordell, K., Betz, C., Green, G., Fly, M., & Stephens, B. (2006). Participation in outdoor recreation activities by people living in the Sumter National Forest, South Carolina. *Recreation & Tourism Statistics Update*, 12. Retrieved April, 2006, from <http://www.srs.fs.usda.gov/trends/RECUPDATES/SumterNF/rtsu12.html>

Cordell, K., Betz, C., Green, G., Fly, M., & Stephens, B. (2006). Participation in outdoor recreation activities by citizenry living near the National Forest: Chattahoochee National Forest. *Recreation & Tourism Statistics Update*, 11. Retrieved March, 2006, from <http://www.srs.fs.usda.gov/trends/RECUPDATES/ChattNF/rs11.html>

Cordell, K., Betz, C., Green, G., Thompson, F., West, A., Fly, M., & Stephens, B. (2005). Retiree's participation in outdoor activities: Retirees 65 and older remain active in many activities well into their senior years. *Recreation & Tourism Statistics Update*, 10. Retrieved June, 2005, from <http://www.srs.fs.usda.gov/trends/RECUPDATES/recstatupdate10.pdf>

Cordell, K., Betz, C., Green, G., Thompson, F., West, A., Fly, M., & Stephens, B. (2005). Western and mid-western metropolitan residents' participation in nature-based outdoor tourism activities. *Recreation Statistics Update*, 9. Retrieved May, 2005, from <http://www.srs.fs.usda.gov/trends/RecStatUpdate9.pdf>

Cordell, K., Betz, C., Green, G., Thompson, F., West, A., Fly, M., & Stephens, B. (2005). Eastern metropolitan residents' participation in nature-based outdoor tourism activities. *Recreation Statistics Update*, 8. Retrieved April, 2005, from <http://www.srs.fs.usda.gov/trends/RecStatUpdate8.pdf>

Cordell, K., Betz, C., Green, G., Fly, M., & Stephens, B. (2005). Participation in outdoor recreation activities: Asian American, native Hawaiian, and other Pacific Islanders. *Recreation Statistics Update*, 7. Retrieved February, 2005, from <http://www.srs.fs.usda.gov/trends/RecStatUpdate7.pdf>

Cordell, K., Betz, C., Green, G., Fly, M., & Stephens, B. (2005). American Indian and Alaskan native participation in land-based outdoor recreation activities. *Recreation Statistics Update*, 6. Retrieved January, 2005, from

<http://www.srs.fs.usda.gov/trends/RecStatUpdate6.pdf>

Cordell, K., Green, G., Betz, C., Fly, M., & Stephens, B. (2004). Hispanic participation in viewing-learning outdoor recreation activities. *Recreation Statistics Update, 5*. Retrieved November, 2004, from <http://www.srs.fs.usda.gov/trends/RecStatUpdate5.pdf>

Cordell, K., Green, G., Betz, C., Fly, M., & Stephens, B. (2004). Hispanic participation in land-based outdoor recreation activities. *Recreation Statistics Update, 4*. Retrieved November, 2004, from <http://www.srs.fs.usda.gov/trends/RecStatUpdate4.pdf>

Cordell, K., Owens, M., Green, G., Betz, C., Fly, M., & Stephens, B. (2004). Trends and demographics of off-road vehicle users. *Recreation Statistics Update, 3*. Retrieved October, 2004, from <http://www.srs.fs.usda.gov/trends/RecStatUpdate3.pdf>

Cordell, K., Green, G., Betz, C., Fly, M., & Stephens, B. (2004). Trends in activity participation since fall 1999. *Recreation Statistics Update, 2*. Retrieved September, 2004, from <http://www.srs.fs.usda.gov/trends/recupdate0907.pdf>

Cordell, K., Green, G., Betz, C., Fly, M., & Stephens, B. (2004). Participation rates for outdoor activities in 2004. *Recreation Statistics Update, 1*. Retrieved August, 2004, from <http://www.srs.fs.usda.gov/trends/recupdate0804.pdf>

*Green, G. T., Kleiber, D., & Tarrant, M. A. (2001). The effect of an outdoor adventure-based ropes-course program on the development of protective factors in low-income minority youth. *Research Connections, 3 (1)*. Retrieved June 3, 2001, from <http://www.outdoor/v3n1.pdf>

Book(s):

Cordell, H. K., Betz, J., Green, G. T., et al. (2004). *Outdoor recreation in America in the 21st Century* (pp. 293). Pittsburgh, PA: Venture Press.

Book Chapters:

*Thompson, F., Cordell, H., Green, G., Fly, M., Stephens, R., & English, D. (2005). Outlook for public lands. In McClure, M., and Harris, J. (Eds.). *Domestic Outlook for Travel and Tourism*. (pp. 292-299). Washington, D.C. Travel Industry Association of America.

*Cordell, H. K., Green, G. T., Leeworthy, V. R., Stephens, R., Fly, M., & C. Betz. (2005). The United States of America: Outdoor recreation. In: Cushman, G., Veal, A., & Zuzanek, J. (Eds.). *Free time and leisure participation: International perspectives* (pp. 245-264). Wallingford, UK: CAB International.

*Cordell, H. K., Bergstrom, J.C., Betz, C. J., & Green, G. T. (2004). Dominant socioeconomic forces and natural resources. *The 10th international symposium on society and resource management* (pp. 349-361). Keystone Resort, CO.

*Cordell, H. K., & Green, G. T. (2001). Sustaining outdoor recreation in the United States. In:

Palo, M., Uusivuori, J., and Mery, G. (Eds.). *World forests, markets and policies (3rd Edition)* (pp. 395-406). Dordrecht, The Netherlands: Kluwer Academic Publishers.

Book Review(s):

*Green, G. T. (2005). *Wilderness management: Stewardship and protection of resources and values (3rd Edition)* by John C. Hendee and Chad P. Dawson. Golden, CO: International Wilderness Leadership (WILD) Foundation and Fulcrum Publishing, 2002. pp.640.
Journal of Park and Recreation Administration, (22)4, pp.130-33.

Technical Reports (Peer Refereed-Reviewed):

*Leeworthy, V., Cordell, K., Green, G., Zarnoch, S., Fly, M., & Stephens, R. (2007). Survey response rate and bias results from a trial of pre-notification letters: A report to the Office of Management and Budget on the National Survey on Recreation and the Environment (NSRE). Athens, GA: USDA Forest Service, Southern Research Station. p.1-52.

*Bowker, J. M., Lin, S., Green, G. T., Cordell, H. K., Rideout-Hanzak, S., Johnson, C., & Betz, C. (2005). A social assessment of public knowledge, attitudes, and values related to wildland fire, fire risk, and fire recovery. Athens, GA: USDA Forest Service, Southern Research Station, Joint Fire Science Program (#01-1-3-30). *Web Report 2005, p. 1-201.*
Web Site: <http://www.srs.fs.usda.gov/trends/firefinalr.pdf>

*Eubank, T.L., Packer, J. M., Green, G. T., Cordell, H. K., & Betz, C. J. (2005). Outdoor recreation in 21st Century: The Pennsylvania wilds. Austin, TX: Fermata, Inc and Pennsylvania Department of Conservation and Natural Resources. *Web Report 2005, p. 1-60.* *Website: <http://www.fermatainc.com/penn/documents/pawildsrecreport091005.pdf>*

*Cordell, H. K., Betz, C. J., Green, G. T., & Owen, T. M. (2005). Off-highway vehicle recreation in the United States, regions, and states: A national report from the National Survey on Recreation and the Environment (NSRE). USDA Forest Service, Washington Office. *Web Report 2005, p. 1-90.* *Web Site:<http://www.fs.fed.us/recreation/programs/ohv>.*

*Koth, B., & Green, G. (2004). Scenic byways findings from the National Survey on Recreation and the Environment. Duluth, MN: America's Byways Resource Center, *Web Report 2004, p. 1-30.*
http://www.bywaysonline.org/program/topics/2/collections/51794/?display_mode=single&order_no=7&start=11.

Other Publications:

Cordell, H. K., Green, G. T., & Tarrant, M. A. (2006). Can you hear me now? Using the telephone to discover people's opinions about wilderness. *Natural Inquirer, (7) 1, 47-56.*

Green, G. T., Fleming, H., Betz, J., & Cordell, K. (2006). Recreation participation activity levels, projections, and trends for the Tennessee Valley Authority's watershed and reservoir areas. A report for the Tennessee Valley Authority. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit

- and the University of Georgia: Athens, GA (p. 1-375).
- Green, G. T., Betz, C., Owens, M., & Cordell, K. (2006). A report on recreation participation levels and trends in Georgia and Georgia's market regions: A state report for Georgia's Department of Natural Resources. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit and the University of Georgia: Athens, GA (p. 1-497).
- Green, G. T., Cordell, K., Fleming, H., & Betz, J. (2006). Recreation participation activity and trends for Indiana. A report for Indiana's Department of Outdoor Recreation. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit: Athens, GA (p. 1-497).
- Green, G. T., Betz, C., Owens, M., & Cordell, K. (2005). Wisconsin and Wisconsin's market regions: A state report for Wisconsin's Department of Natural Resources. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit: Athens, GA.(p. 1-309).
- Green, G. T., Betz, C., & Cordell, K. (2005). National survey on recreation and the environment: Pennsylvania and the Pennsylvania market region: A state report for Fermata, Inc., and Pennsylvania Department of Conversation and Natural Resources: Harrisburg, PA. (p. 1-196). http://www.fermatainc.com/penn/documents/NSRE_Data_Report1.pdf
- Green, G. T., Cordell, K., Betz, C., & Owens, M. (2004). Vermont and surrounding markets: A state report for the School of Natural Resources: University of Vermont. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit: Athens, GA. (p. 1-96).
- Green, G. T., Cordell, K., Betz, C., & Owens, M. (2003). Tennessee and the Tennessee market region: A state report for the Tennessee Department of Natural Resources. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit: Athens, GA. (p. 1-87)
- Green, G. T., Cordell, K., Betz, C., & Raby, K. (2003). South Dakota and the South Dakota market region: A state report for the South Dakota Department of Games, Fish, and Parks. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit: Athens, GA. (p. 1-110).
- Green, G. T., Cordell, K., Betz, C., & Raby, K. (2003). Delaware and the Delaware market region: A state report for the Delaware State Parks and Wildlife Division. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit: Athens, GA. (p. 1-88).
- Cordell, K., Betz, C., Green, G., Mou, S., Arndt, P., Redmond, C., Stephens, R., & Fly, M. (2002). Public survey report, Southern Appalachian National Forest: Bankhead & Talladega and Tuskegee & Conecuh National Forests. Athens, GA: USDA Forest

Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Research, *Web Series SRS-4901-2002-1*, p. 1-96. Web Site: <http://www.srs.fs.fed.us/trends>

Cordell, K., Betz, C., Green, G., Mou, S., Arndt, P., Redmond, C., Stephens, R., & Fly, M. (2002). Public survey report, Southern Appalachian National Forest: Cherokee, Nantahala, and Pisgah National Forests. Athens, GA: USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Research, *Web Series SRS-4901-2002-2*, p. 1-96. Web Site: <http://www.srs.fs.fed.us/trends>

Cordell, K., Betz, C., Green, G., Mou, S., Arndt, P., Redmond, C., Stephens, R., & Fly, M. (2002). Public survey report, Southern Appalachian National Forest: Chattahoochee & Oconee and Sumter National Forests. Athens, GA: USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Research, *Web Series SRS-4901-2002-3*, p. 1-100. Web Site: <http://www.srs.fs.fed.us/trends>

Cordell, K., Betz, C., Green, G., Mou, S., Arndt, P., Redmond, C., Stephens, R., & Fly, M. (2002). Public survey report, Southern Appalachian National Forest: Daniel Boone National Forest. Athens, GA: USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Research, *Web Series SRS-4901-2002-4*, p. 1-103. Web Site: <http://www.srs.fs.fed.us/trends>

Cordell, K., Betz, C., Green, G., Mou, S., Arndt, P., Redmond, C., Stephens, R., & Fly, M. (2002). Public survey report, Southern Appalachian National Forest: George Washington and Jefferson National Forests. Athens, GA: USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Research, *Web Series SRS-4901-2002-5*, p. 1-103. Web Site: <http://www.srs.fs.fed.us/trends>

Green, G. T., Cordell, K., Betz, C., & Murphy, J. (2002). Nevada and the Nevada market region: A state report for the Nevada State Parks and Wildlife Division. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit: Athens, GA. (p. 1-114).

Green, G. T., Cordell, K., Betz, C., & Zhang, Y. (2002). Texas and the Texas market region: A state report for the Texas State Parks and Wildlife Division. USDA Forest Service, Southern Research Station, Recreation, Wilderness, Urban Forest, & Demographic Trends Unit: Athens, GA. (p. 1-92).

Work Submitted:

*Bowker, J. M., Green, G. T., McCullom, D., Cordell, H. K., & Wang, X. (Submitted). People's opinions about user fees for recreation services on public lands. *Journal of Park and Administration*.

*Green, G. T., Bowker, J. M., Wang, X., Cordell, H.K., & Johnson, C. Y. (Accepted). An

examination of perceived constraints to outdoor recreation. *Journal of Public Affairs and Issues*.

*Bowker, J.M., Murphy, D., Cordell, H.K., English, D.B.K., Bergstrom, J.C., Starbuck, C.M., Betz, C.J., Green G.T. & Reed, P. (In Press). Wilderness Recreation Participation and Consumption: Projections for the Next Half Century. In: Watson, A., Dean, L., & Sproull, J. (eds.) (2006). *Science and stewardship to protect and sustain wilderness values: Eighth World Wilderness Congress, Proceedings (RMRS-P-000)*. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.

*Schuster, R., Cordell, H.K., & Green, G. T. (In Press). Expansion of the wilderness values scale with three sub-scales: Personal maintenance, expression and learning, and societal maintenance. In: Watson, A., Dean, L., & Sproull, J. (eds.) (2006). *Science and stewardship to protect and sustain wilderness values: Eighth World Wilderness Congress, Proceedings (RMRS-P-000)*. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.

*Bowker, J. M., Lim, S. H., Green, G. T. Cordell, H. K., Rideout-Hanzak, S., & Johnson, C. Y. (submitted). Public opinions on wildland fires, fire risk, and fire recovery: Regional and racial perspectives. *Society and Natural Resources*.

*Bowker, J. M., Lim, S. H., Green, G. T. Cordell, H. K., Rideout-Hanzak, S., Johnson, C. Y., & Betz, C. J. (submitted). Relationships between demographic characteristics and attitudes toward forest fire management. *Journal of Forestry*.

*Zhang, Y., Tarrant, M. A., & Green, G. T. (Accepted). The importance of scale in determining unequal distribution of locally desirable land. *Journal of Environmental Management*.

Academic Research Abstracts, Papers, and Presentations in Symposia and Conferences:

*Lim, S. H., Bowker, J. M., Green, G. T., Rideout-Hanzak, S., & Cordell, H. K. public opinion on wildland fire and fire risk: An examination of socio-economic factors. International Symposium on Society & Resource Management. Park City, UT, June 17-21, 2007. [Poster Presentation] [Abstract]

*Green, G. T., & Cordell, K. Implications from a changing society for public land managers. *Northeastern Recreation Research Conference*. Albany, NY, April 14-17, 2007. [Abstract]

*Green, G. T. Parks and protected areas: Research issues and trends. *Southeastern Recreation Research Conference*. Asheville, NC, February 25-27, 2007. [Invited Speaker]

*Green, G. T., Bowker, J. M., Zhu, J. P., Starbuck, C., English, D., Zarnoch, S., & Seymour, L. The value of recreation access to wilderness: An application of the onsite cost model. *Southeastern Recreation Research Conference*. Asheville, NC, February 25-27, 2007. [Abstract]

- *Green, G. T., Bowker, J. M., Cordell, H. K., & Wang, X. Public opinion about user fees for certain recreation services. *Southeastern Recreation Research Conference*. Asheville, NC, February 25-27, 2007. [Abstract]
- *Bowker, J. M., Green, G. T., Cordell, H. K., & Raychaudhuri, U. Pay to play: Attitudes towards recreation user fees. *Southeastern Recreation Research Conference*. Wilmington, NC, February 26-28, 2006. [Abstract]
- *Green, G. T., Bowker, J. M., Johnson, C. Y., & Cordell, H. K. (2005). An examination of perceived wilderness constraints by socio-demographics. *8th World Wilderness Congress: Wilderness Working Sessions*. Anchorage, AK. October 3-5, 2005. [Abstract]
- *Schuster, R.M., Cordell, H.K., & Green, G. T. (2005) Expansion of the wilderness value scale with three sub-scales: Personal maintenance, expression & learning, and societal maintenance. *8th World Wilderness Congress: Wilderness Working Sessions*. Anchorage, AK. October 3-5, 2005. [Poster Presentation] [Abstract]
- *Bowker, J. M., Green, G. T., Murphy, D., Bergstrom, J., Betz, C., & Cordell, K. Wilderness and primitive area recreation participation and consumption: An examination of demographic and spatial factors. *Southeastern Recreation Research Conference*. Savannah, SC, February 8-11, 2005. [Abstract]
- *Bowker, J. M., Lim, S., Green, G. T., Cordell, H. K., Rideout-Hanzak, S., Johnson, & Betz, C. J. Public experience, attitudes and knowledge toward forest fire, risk and recovery. *Southeastern Recreation Research Conference*. Savannah, SC, February 8-11, 2005. [Abstract]
- *Green, G. T., Johnson, C. Y., Bowker, M. J., & Cordell, H. K. An examination of outdoor recreation constraints by race, gender, rural dwelling, and over time. *International Conference on Social Sciences*. Honolulu, HI, June 16-21, 2004. [Abstract]
- *Green, G. T., & Cordell, H. K. Construction and validation of the national survey on recreation and the environment's lifestyle scale. *International Conference on Social Sciences*. Honolulu, HI, June 16-21, 2004. [Abstract]
- *Cordell, H. K., Bergstrom, J.C., Betz, C. J., & Green, G. T. Dominant socioeconomic forces shaping the future of the United States. *Proceedings from the 10th International Symposium on Society and Resource Management*. Keystone Resort, CO, June 2-6, 2004. [Abstract]
- *Green, G. T., Johnson, C. Y., Bowker, J. M., & Cordell, H. K. Outdoor recreation constraints revisited: An examination of race, gender, and rural dwelling. *Southeastern Recreation Research Conference*. Charleston, SC, February 8-11, 2004. [Abstract]
- *Bhattacharya, K., Tarrant, M., Raychaudhuri, U., & Green, G. T. Creating a student-oriented

- learning environment to prepare future recreation managers: A demonstration in active learning with technology integration. *Leisure Research Symposium Abstracts, National Recreation and Parks Association*. St. Louis, MO, October 22-25, 2003. [Abstract]
- *Green, G. T., Johnson, C. Y., Cordell, H. K., & Bowker, J. M. An examination of perceived constraints to outdoor recreation participant across marginalized groups. *Southeastern Recreation Research Conference*. Asheville, NC, February 19-21, 2003. [Abstract]
- *Green, G. T., Johnson, C. Y., Cordell, H. K., & Bowker, J. M. An examination of wilderness constraints across ethnic groups: Perception versus participation. *Southeastern Recreation Research Conference*. Asheville, NC, February 19-21, 2003. [Abstract]
- *Green, G. T., Cordell, H. K., & Stephens, R. National recreation and the environment survey results. *Georgia Recreation and Park Association Conference*. Jekyll Island, GA, November 4-8, 2002. [Abstract]
- *Green, G. T., Cordell, H. K., Distefano, C., & Tarrant, M. T. Construction and validation of the national survey on recreation and the environment's leisure lifestyle scale. *Leisure Research Symposium Abstracts, National Recreation and Park Association*. Tampa, FL, October 16-20, 2002. [Abstract]
- *Williams, R., Vogelsong, H., Green, G., & Cordell, K. (2002). Outdoor recreation patterns of people with physical disabilities: Findings from the National Survey on Recreation and the Environment. *Leisure Research Symposium Abstracts, National Recreation and Park Association*. Tampa, FL, October 16-20, 2002. [Abstract]
- *Tarrant, M. T., H. K. Cordell, H. K., & Green, G. T. Is the Public view of wilderness changing? *Leisure Research Symposium Abstracts, National Recreation and Park Association*. Tampa, FL, October 16-20, 2002. [Abstract]
- *Green, G. T., Johnson, C. Y., Cordell, H. K., & Bowker, J. M. Wilderness perception versus outdoor recreation participation: An Examination of constraints across ethnic groups. *Ninth International Symposium on Society and Resource Management*. Bloomington, Indiana University, ID, June 2-5, 2002. [Abstract]
- *Rideout, S., Bowker, J. M., Cordell, H. K., Johnson, C. J., & Green, G. T. A social assessment of public knowledge, attitudes, and values related to wildland fire, fire risk, and fire recovery. *Ninth International Symposium on Society and Resource Management*. Bloomington, Indiana University, ID, June 2-5, 2002. [Abstract]
- *Cordell, H. K., Green, G. T., & Stephens, R. Recreation and the environment as cultural dimensions in contemporary American society. *Southeastern Recreation Research Conference*. Athens, GA, February 21-23, 2002. [Abstract]
- *Cordell, H. K., Green, G. T., & Stephens, R. Outdoor recreation and the 21st century American

lifestyles: Trends from the nation's 8th national recreation survey (NSRE 2000). *Trends 2001 Conference*. Lansing, MI, September 17-20, 2001. [Abstract]

*Tarrant, M. T., Cordell, H. K., & Green, G. T. Age as a moderator of environmental value – attitude relationships. *World Leisure Asia Conference*. Shanghai, China, April 24-29, 2001. [Abstract]

*Cordell, H. K., Green, G. T., & Stephens, R. Update on the national survey on recreation and the environment, NSRE 2000. *Southeastern Recreation Research Conference*. Asheville, NC, February 20-23, 2001. [Abstract]

Academic Editing and Reviewing:

Guest Reviewer for *Annals of Leisure Research* (Australia) (2006)
Guest Reviewer for USDA FS Washington Office - General Technical Report (2006)
Associate Editor for *Journal of Parks and Recreation Administration* (since 2004)
Associate Editor for *International Journal of Wilderness* (since 2005)
Associate Editor for *Scholarship* (2002-05)
Guest Reviewer for *World Leisure Journal* (since 2003)
Book Reviewer for *Journal of Parks and Recreation Administration* (2004)
Guest Reviewer for *Environmental Management* (2004)
Reviewer for *Journal of Forestry* (since 2005)
Reviewer for South-Eastern Recreation Resource Conference (since 2000)
Reviewer for grant proposals for the National New York Sea Grant Program (2006)
Guest Reviewer for *Journal of Leisure Research* (2006)
Guest Reviewer for *Journal of Engineering Sustainability* (England) (2007)
Guest Reviewer for *Tourism Management* (New Zealand) (2007)
Guest Reviewer for *Landscape & Urban Design* (England) (2007)

Funded Grants and Contracts:

Miller, C. A., & Green, G. T. Established a grant for \$23,646 between the Daniel B. Warnell School of Forest Resources and Georgia's Department of Natural Resources entitled an assessment of Anglo and Hispanic/Latino perceptions of constraints, uses, and opportunities of Georgia State Parks. Submitted 2007.

Green, G. T., & Miller, C. A. Established a grant for \$31,689 between the Daniel B. Warnell School of Forest Resources, University of Georgia and the Georgia Forestry Commission entitled to develop a recreation land planning framework and process for Georgia Forestry Commission's land planners. Funded 2007.

Green, G. T. Established cooperative agreement for \$89,020 between the Daniel B. Warnell School of Forest Resources, University of Georgia and the U.S.D.A. Forest Service entitled to assist in the development of a research plan that would provide valid outdoor recreation participation levels for the Appalachian Trail. Funded 2006/07.

Green, G. T. Established cooperative agreement for \$47,547 between the Daniel B. Warnell

- School of Forest Resources, University of Georgia and the U.S.D.A. Forest Service entitled recreational and environmental interests of the American public: A cooperative research proposal-phase II. To investigate American's outdoor recreation participation and trends, and their environmental attitudes towards public lands. Funded 2006.
- Green, G. T. Submitted a grant for \$22,106 between the Tennessee Valley Authority and the Daniel B. Warnell School of Forestry and Natural Resources to examine outdoor recreation participation and trends for Tennessee and its market region. Funded 2006/2007.
- Green, G. T. Submitted a grant for \$31,620 between the American Canoe Association and the Daniel B. Warnell School of Forestry and Natural Resources to identify gaps in the current system of paddlesport education, instruction and information, and to identify methods to close those gaps. Funded 2006.
- Cordell, H. K., & Green, G.T. Submitted a cooperative agreement for \$125,000 between the United States Coastguard and the U.S.D.A. Forest Service to examine attitudes and preferences of boat operators for navigational informational related to safety. Submitted 2006.
- Cordell, H. K., & Green, G.T. Established a cooperative agreement for \$99,000 between the Environmental Protection Agency and the U.S.D.A. Forest Service to investigate people's trips related to outdoor recreation activities with particular regard to agricultural, farm, and tourist designated sites. Funded 2006.
- Green, G. T. Established a grant for \$5,000 between the Tennessee Valley Authority and the Daniel B. Warnell School of Forest Resources to examine the motivations or drivers behind people's participation in outdoor recreation activities. Funded 2005.
- Green, G. T. Established a grant for \$34,320 between the Daniel B. Warnell School of Forest Resources and Georgia's Department of Natural Resources entitled to examine social, demographic and recreation trends for the state of Georgia based upon data from the National Survey on Recreation and the Environment. Funded 2005.
- Green, G. T. Established cooperative agreement for \$5,000 between the Daniel B. Warnell School of Forest Resources, University of Georgia and the U.S.D.A. Forest Service entitled an examination of the attitudes, preferences, and behaviors of residents of southern municipalities towards urban forests and their use. Funded 2005.
- Cordell, H. K., & Green, G.T. Established cooperative agreement for \$7,500 between Indiana's Department of Natural Resources and the U.S.D.A. Forest Service to conduct research on Indiana's resident's outdoor recreation activities and participation trends. Funded 2005.
- Green, G. T. Established cooperative agreement for \$65,000 between the Daniel B. Warnell School of Forest Resources, University of Georgia and the U.S.D.A. Forest Service entitled a survey of the recreational and environmental interests of the American public:

A cooperative research proposal-phase I. To investigate American's outdoor recreation participation and trends, and their environmental attitudes towards public lands. Funded 2005.

Cordell, H. K., & Green, G.T. Established cooperative agreement for \$5,000 between the Missouri Department of Natural Resources and the U.S.D.A. Forest Service to conduct research on Missouri's resident's outdoor recreation activities and participation trends. Funded 2005.

Green, G. T. Established a grant for \$20,000 between the National Park Service, Fermata Incorporated, the University of Georgia Research Foundation, and the Warnell School of Forest Resources to examine the motivations or drivers behind people's participation in outdoor recreation participation. Funded 2004/2005.

Cordell, H. K., & Green, G.T. Established cooperative agreement for \$50,211.20 between the Wisconsin Department of Natural Resources and the U.S.D.A. Forest Service to conduct research on Wisconsin's resident's outdoor recreation participation, quality of recreation resources, and customer satisfaction on land management practices. Funded 2004/2005.

Cordell, H. K., & Green, G.T. Established cooperative agreement for \$4,000 between Fermata Incorporated, Texas., the State of Pennsylvania, and the U.S.D.A. Forest Service to create and produce a report on outdoor recreation participation trends and related environmental issues in the State of Pennsylvania as part of the state's environmental and tourism plan. Funded 2004.

Cordell, H. K., & Green, G.T. Established cooperative agreements for \$17,100 (total) with the States of California, Connecticut, Missouri, and Vermont the U.S.D.A. Forest Service to create and produce reports on the demand and trends of outdoor recreation participation in each state as part of each state's SCORP plan. Funded 2004.

Cordell, H. K., & Green, G.T. Established cooperative agreement for \$10,000 between the Bureau of Land Management (BLM) and the U.S.D.A. Forest Service to investigate people's outdoor recreation participation in regard to BLM's public lands. Funded 2003/4.

Green, G. T. Established cooperative agreement for \$53,500 between the Daniel B. Warnell School Of Forest Resources, University of Georgia and the U.S.D.A. Forest Service entitled toward an understanding of national recreation participation, and environmental information: A cooperative research proposal. To investigate American's outdoor recreation participation patterns and their environmental attitudes towards public lands. Funded 2003.

Cordell, H. K., & Green, G.T. Established cooperative agreements for \$15,500 (total) with the States of Texas, Nevada, Delaware, South Dakota, Colorado, and Tennessee and the U.S.D.A. Forest Service to create and produce reports on the demand and trends of

outdoor recreation participation in each state as part of each state's SCORP plan. Funded 2003.

Cordell, H.K., Bowker, J. M., Johnson, C. Y., & Green, G. T. Established a proposal for \$103,000 from the U.S.D.A. Forest Service for a social assessment of public knowledge, attitudes, and values related to wildland fire, fire risk, and fire recovery. Funded for 2002/2003.

Cordell, H. K., & Green, G.T. Established cooperative agreement for \$15,000 between the Economic Research Service (ERS) and the U.S.D.A. Forest Service to investigate people's outdoor recreation participation with particular regard to agricultural and farm related activities, and related travel costs. Funded 2002.

Cordell, H. K., & Green, G.T. Established cooperative agreement for \$35,000 between the USDA National Symbols Program and the U.S.D.A. Forest Service for research pertaining to Adult's knowledge and perception of the Woody's Owl environmental Program for children. Funded 2002.

Cordell, H. K., & Green, G.T. Established a proposal for \$30,000 from the U.S.D.A. Forest service for a social assessment of the environmental attitudes, values and opinions of people residing with the Southern Appalachians mountain range. Funded for 2002.

Cordell, H. K., & Green, G.T. Established cooperative agreement for \$28,000 between the National Scenic and Historical Byways Research Center and the U.S.D.A. Forest Service for research pertaining to people's knowledge and experience of scenic byways. Funded 2001.

Cordell, H. K., & Green, G.T. Established cooperative agreement for \$35,000 between the Environmental Protection Agency (EPA) and the U.S.D.A. Forest Service for research pertaining to children's and adult's bicycling safety issues. Funded 2001.

Recognition and Outstanding Achievements:

Recognized as an *Outstanding Teacher* by the Warnell School of Forestry and Natural Resources (April, 2007).

Received award for *Outstanding Research, Scholarship, and Project Management for the National Survey on Recreation and the Environment* from the United States Forest Service (January 2007).

Received *Professor of the Year Award* from Xi Sigma Pi for Outstanding Teaching Amount Award \$1,000 (April 2006).

Received *Certificate of Membership in Recognition of High Scholarship, Outstanding Achievement, or Service* from Gamma Sigma Delta (April 2006).

Received award for *Outstanding Research Management and Liaison on the National Survey on*

Recreation and the Environment from the United States Forest Service (February 2002).

Academic mentor and tutor for the Georgia athletics program, assisting undergraduates in their academic classes and course work.

Represented the University of Georgia's student body on the Academic Dishonesty Panel.
Listened to evidence of students' misconduct and assigned sanctions when appropriate.

Professional and Industry Related Research Abstracts, Papers, and Presentations:

*Green, G. T. Environmental education and interpretation for a growing and diversing population: Trends and Implications. National Association for Interpretation: Regional Conference. Sumatanga Conference Center, AL. February 21-23, 2007. [Keynote Speaker][Abstract]

*Green, G. T., Schuster, R., Bowker, J. M., & Cordell, H. K. Social implications of perceived constraints to wilderness use and visitation. Society of American Foresters 2006 National Convention. Pittsburgh, PA. October 25-29, 2006. [Abstract]

Cordell, H. K., Betz, C. J., Mou, S., Green, G. T., & Bowker, J. M. Changing faces, changing places: Demographic trends of the South. *USDA Forest Service: Chief's Review*. Asheville, NC. July 24-28, 2006.

*Owens, T. M., Green, G. T., Cordell, H. K., Betz, C., Mou, S., Fly, J., Stephens, R., & Leeworthy, V. Management tool for assessing outdoor recreation participation and trends relating to public lands: Using the Chattahooche National Forest as an example. *National Association of Recreation Resource Planners*. Nashville, TN. May 15-19, 2006. [Abstract]

Green, G. T. A changing America: Implications for public land managers. *Joseph W. Jones Ecological Research Center*. Ichauway, Newton, GA, May 4th, 2006. [Invited Speaker]

*Schuster, R.M., & Green, G. T. How people value forested environments for non-commercial uses. *New York State Society of American Foresters*. Liverpool, NY, May 1st, 2006. [Abstract]

*Cordell, H. K., Bowker, J. M., Bergstrom, J., & Green, G. T. The multiple values of wilderness. *USDA Forest Service: 2006 Recreation Short Course*. Golden CO, April 18-19^h, 2006. [Abstract]

*Cordell, H. K., Betz, C. J., Bowker, J. M., & Green, G. T. Recreation and tourism trends research. *USDA Forest Service: Utah State University Short Course*. Logan, UT. March 1-3, 2006.

*Bowker, J.M., S. Rideout-Hanzak, S.H. Lim, H.K. Cordell, G. T. Green C.Y. Johnson, C.J. Betz. A Social Assessment of Public Knowledge, Attitudes, and Values Related to Wildland Fire, Fire Risk and Fire Recovery. *Joint Fire Sciences Program Annual*

- Principal Investigator Workshop*. San Diego, CA, November 1-3, 2005. [Poster]
[Abstract]
- *Rideout-Hanzak, S., J.M. Bowker, H.K. Cordell, C.Y. Johnson, C.J. Betz, S.H. Lim, G. T. Green. Got Trust? Nationwide Survey Results Concerning Public Trust in Government Fuels and Fire Management and Preferences in Fuel Reduction Methods. *23rd Annual Tall Timbers Fire Ecology Conference*. Bartlesville, OK, October 17-20, 2005. [Abstract]
- Green, G.T. Recreation trends for program development. *Fairfax County Park Authority: Ahead of the Curve*. Fairfax County Government Center, Fairfax, VA. April 8, 2005. [Keynote Speaker]
- Green, G.T. Recreation trends: How are changing national trends affecting your park? *State of Missouri: Department of Natural Resources*. Jefferson City, MO. March 21-25, 2005. [Invited Speaker]
- Green, G.T. National recreation and the environment: Keeping pace with a changing society and their recreation needs. *State of Missouri: Department of Natural Resources*. Jefferson City, MO. March 21-25, 2005. [Invited Speaker]
- *Cordell, H. K., Green, G. T., Bergstrom, J., & Betz, C. Population, recreation, and other trends in the United States. *USDA Forest Service: 2005 Recreation Short Course*. Utah State University, Logan, UT. March 1-2, 2005. [Abstract]
- *Green, G. T., & Cordell, H.K. Understanding the Public: Their environmental attitudes, objectives and opinions. *Western Forestry and Conservation Association: Recreation Resource Management Workshop*. Portland, OR. February 7-11, 2005. [Invited Speaker]
[Abstract]
- Green, G. T., Cordell, H. K., & Tarrant, M. A. The impact of people's participation in outdoor recreation activities on nature-based tourism in Georgia. *Georgia Nature-Based Tourism Association*. Madison, GA. January 18-19, 2005. [Invited Speaker]
- Green, G. T., & Cordell, H.K. Implications of socio-demographic and outdoor recreation participation trends for Georgia's Department of Natural Resources and their state parks. *Georgia's Department of Natural Resources, Regional Strategic Meeting*. Atlanta, GA. January 13, 2005. [Invited Speaker]
- Green, G. T., & Cordell, H. K. Outdoor recreation participation trends and environmental implications. *Fermata Incorporated: Sustainable Nature Tourism Strategies Retreat*. Cooksburg, PA, October 18-21, 2004. [Keynote Speaker]
- *Green, G. T., & Cordell, H. K. Data resources for SCORP reports: Update on the National Survey on Recreation and the Environment 2005. *National Association of Recreation Resource Planners*. Omaha, NE. May 17-21, 2004. [Abstract]

- *Green, G. T., & Dillion, P. Survey update on the development of a national plan of action: Addressing incidences of paddlesport accidents and fatalities. *Proceedings from the 2004 International Boating and Water Safety Summit*: Panama City Beach, FL, April 18-21, 2004. [Invited Speaker]
- *Green, G. T., Cordell, H. K., & Stephens, R. Water-based recreation participation trends. *International Boating and Water Safety Summit*. Panama City Beach, FL, April 18-21, 2004. [Abstract] [Keynote Speaker]
- *Bowker, J. M., Green, G. T., Johnson, C. Y., Lim, L.H., & Rideout, S. R. Public experience, attitudes, and knowledge toward forest fire, risk, and recovery. *Bureau of Land Management's: Joint Fire Science Program: PI Workshop*. Phoenix, AZ, April 6-8, 2004. [Abstract]
- Green, G. T., Cordell, H. K., & Stephens, R. Outlooks on watercraft and water sports. *National Association of State Boating Law Administrators 44th Annual Conference and Stakeholders' Forum on the Future of Recreational Boating*. Virginia Beach, VA. October 25-29, 2003. [Keynote Speaker]
- Cordell, H. K., English, D., Betz, C., Bergstrom, J., & Green, G. T. Mega forces shaping the future. *Urban National Forest Forum*. San Antonio, TX, September 16-18, 2003.
- Green, G. T., Cordell, H. K., & Stephens, R. Boating trends and the significance of demographic changes: The national survey on recreation and the environment. *International Boating and Water Safety Summit*. Las Vegas, NV, April 15-17, 2003. [Abstract]
- *Green, G. T., Bowker, J. M., Johnson, C. Y., & Rideout, S. R. A social assessment of public knowledge, attitudes, and values related to wildland fire, fire risk, and fire recovery. *Bureau of Land Management's: Joint Fire Science Program*. Phoenix, AZ, March 11-13, 2003. [Abstract]
- Green, G. T., Cordell, H. K., & Stephens, R. National recreation trends: Water sports and activities. *American Canoe Association National Conference*. Washington, DC, November 2, 2002. [Keynote Speaker]
- *Green, G. T., Cordell, & Stephens, R. Measuring the public's attitudes: The national survey on recreation and the environment. *National Association of State Boating Law Administrators Conference*. Cleveland, OH, September 7-11, 2002. [Abstract] [Keynote Speaker]
- *Green, G. T., Cordell, H. K., & Stephens, R. Recreation planning and the national survey on recreation and the environment. *The National Association of Recreation Resource Planners*. Boise, ID, May 5-May 9, 2002. [Keynote Speaker] [Abstract]
- Cordell, H. K., & Green, G. T. Outdoor Recreation and Region 5's National Forests: Using the

National Survey on Recreation and the Environment to help set recreation priorities. *USDA Forest Resources Conference*. San Diego, CA, December 5-6, 2001.

- *Cordell, H. K., & Green, G. T. A Long-Term Study of Forest Recreation and Forest Values. *Southern Forest Sciences Conference*, Atlanta, GA, November 26-28, 2001. [Abstract]
- *Johnson, C., Cordell, H.K., Bowker, J.M., Betz, C. J., & Green, G.T. Wilderness Constraints by Race and Ethnicity. *Southern Forest Sciences Conference*, Atlanta, GA, November 26-28, 2001. [Abstract]
- *Cordell, H. K., & Green, G. T. Outdoor Recreation Data and Methods for the Integration of Social and Health Sciences. *Special Session sponsored by the Centers for Disease Control, at the Cooper Institute Scientific Conference*, Dallas Texas, October 4-6, 2001. [Abstract]
- *Cordell, H. K., & Green, G. T. Translating Outdoor Participation as Health and Physical Fitness. *Special Centers for Disease Control Panel Session at the International Whistler Conference on Communicating Physical Activity and Health Messages*, September 26-30, 2001, Vancouver, British Columbia, Canada. [Abstract]
- *Cordell, H. K., & Green, G. T. Outdoor Recreation and Constituents of Urban National Forests. *Urban National Forest Forum*, Atlanta, GA, May 8, 2001. [Abstract]
- Cordell, H. K., & Green, G. T. Outdoor Recreation and Our National Forests. *National Meeting of Forest Service Recreation Planners*, May 3, 2001, Baltimore MD
- *Cordell, H. K., Green, G. T., & Stephens, R. The national survey on recreation and the environment (NSRE 2000). *The National Association of Recreation Resource Planners*. Baltimore, MD, April 29-May 2, 2001. [Abstract]
- *Cordell, H. K., & Green, G. T. Trends and the Significance of Demographic Shifts. *Futures Forum on Recreational Boating*. St. Petersburg, FL, April 2, 2001. [Keynote] [Abstract]

PUBLIC AND UNIVERSITY SERVICE

Teaching, Outreach and Public Service Related Abstracts, Papers, and Presentations:

- *Green, G. T. Trends and driving forces. Pennsylvania Governor's Outdoor Conference. State College, PA, March 18-20, 2007. [Keynote Panelists] [Abstract]
- Green, G. T., & Cordell, K. Connecting the passives [Sessions 1]. Pennsylvania Governor's Outdoor Conference. State College, PA, March 18-20, 2007. [Invited Speaker]
- Green, G. T., Cordell, K., & Eubank, T. Connecting the passives [Session 2]. Pennsylvania Governor's Outdoor Conference. State College, PA, March 18-20, 2007. [Invited Speaker]

- Green, G. T. Connecting the passives [Session 3]. Pennsylvania Governor's Outdoor Conference. State College, PA, March 18-20, 2007. [Invited Speaker]
- Green, G. T. Socio-demographic changes and trends in America: Implications for public land managers. *Gwinnet Perimeter College, College of Environmental Science*. Gwinnet, GA, December 7th 2006.
- Green, G. T. Change and trends in America: Implications for public land managers. *Georgia Wildlife Society*. Flinchum's Phoenix, Athens, GA, August 31st September 1st, 2006.
- Green, G. T., & Cordell, H. K. Implications of a changing America on outdoor recreation participation trends and urban sprawl: Data from the national survey on recreation and the environment. *Clemson University, Department of Parks, Recreation, & Tourism Management*. Clemson, SC, February 20, 2005. [Invited Speaker]
- Green, G.T. A changing America: Outdoor recreation trends and their implication for land owners. *Society of American Foresters: Oconee Chapter, GA*. Athens, GA, April 21, 2005. [Invited Speaker]
- Green, G. T. Outdoor recreation participation trends: Resource management and marketing implications for public land managers. *The 36th Annual Executive Development Program for Recreation and Park Professionals*. Athens, GA, February 20-24, 2005. [Abstract]
- Green, G. T., & Cordell, H. K. Implications of outdoor recreation participation trends: Data from the national survey on recreation and the environment. *Clemson University, Department of Parks, Recreation, & Tourism Management*. Clemson, SC, February 20, 2004. [Invited Speaker]
- *Green, G. T., & Cordell, H. K. Segmentation of outdoor recreation participants: Effective outreach and communication. *The 35th Annual Executive Development Program for Recreation and Park Professionals*. Athens, GA, February 16-19, 2004. [Abstract]
- *Green, G. T., & Cordell, H. K. Outdoor recreation participation in America: Trends and implications for recreation and park professionals. *The 34th Annual Executive Development Program for Recreation and Park Professionals*. Athens, GA, February 18-21, 2003. [Abstract]
- Green, G. T., & Cordell, H. K. National survey on recreation and the environment: Trends in outdoor recreation participation, public opinion and environmental values. *Clemson University, Department of Parks, Recreation, & Tourism Management*. Clemson, SC, April 3, 2002.
- *Green, G. T., & Cordell, H. K. Outdoor recreation trends: Implications for public recreation and park programs. *The 33th Annual Executive Development Program for Recreation and Park Professionals*. Athens, GA, February 17-21, 2002. [Abstract]

Green, G. T., & Cordell, H. K. National survey on recreation and the environment: Trends and implications for outdoor recreational professionals. *Clemson University, Department of Parks, Recreation, & Tourism Management*. Clemson, SC, March 15, 2001.

*Green, G. T., & Cordell, H. K. National recreation trends: What these hold for the future of public programs. *The 32th Annual Executive Development Program for Recreation and Park Professionals*. Athens, GA, February 19-23, 2001. [Abstract]

Professional Service:

Adjunct Assistant Professor – RLST Dept, University of Georgia (since 2002)

Adjunct Assistant Professor – PRTM Dept, University of Clemson (since 2003)

Professional Associations:

Gamma Sigma Delta – (Member since 2006)

National Recreation and Parks Association – (Member 2000-05)

Society of American Foresters – (Member since 2005)

World Recreation and Leisure Association – (Member 1999-05)

Faculty Committees:

Ad Hoc Oconee Forest Park Committee – 2006

Art Area Display Proposal – 2004 - present

Curriculum Committee - 2006

Faculty Learning Communities (Visual Thinking) - 2007

Human Dimensions Faculty Search - 2005

Library Committee (University Wide) - 2006

Outreach and Service (Promotion and Tenure) – 2004 - present

Seminar Committee – 2004 - present

Student Recruiter Staff Search - 2005

Warnell School Editorial Advisory & External Relationships Board - 2006

Teaching Service:

Academic Honesty Committee Member – University of Georgia

Academic Panelist – Explore GA Program – University of Georgia

Honors Faculty Mentor – University of Georgia

Minority Recruiting Mentor – University of Georgia

Explore Georgia Program (Academic Panel) – University of Georgia

Student Committees:

*** Denotes Graduated**

Kyle Chapman – Master of Forestry & Natural Resources*

Jennifer Baker – Master of Science (SUNY) *

Brandon Burke - Master of Forestry & Natural Resources

Daniel Van Dijk - Master of Forestry & Natural Resources (Co-chair)

Heather Fleming - Master of Forestry & Natural Resources (Chair)

Allison Ginn - Master of Science – WSFNR (Chair)

Jennifer Guiney - Master of Forestry & Natural Resources (Chair)
William Gosnell - Master of Forestry & Natural Resources*
Siteria Gregory – Master Science - WSFNR
Lincoln Larson – Master of Science – WSFNR (Co-chair)
Charles Maffitt – Master of Science (School of Environmental Design) *
Anne McKee – Doctor of Philosophy – WSFNR (Wildlife)
Lauren Newsome – Master of Forest Resources *
Thomas Matthew Owens – Master of Forestry & Natural Resources (Chair) *
Scott Pfeninger – Master of Forestry & Natural Resources*
Emily Saunders - Master of Forestry & Natural Resources (Chair)
Rachel Small - Master of Science – WSFNR (Chair)
Kate Spear – Master of Science – WSFNR
Tommy Tye - Doctor of Philosophy – WSFNR (Co-chair)
Christine Westburg - Master of Forestry & Natural Resources*
Andrew Zakharenka – Doctor of Philosophy - WSFNR
Jianping Zhu – Master of Science - Statistics*

Outreach and Service Committees:

American Canoeing Association (ACA) – Research and Grant writing Advisor
Forestry Technical Advisory Group (TAG) – Georgia Forestry Commission
Georgia’s Department of Natural Resources (GA DNR) – Recreation Planning
Committee
Tennessee Valley Authority (TVA) – Strategic Recreation Planning Committee
United States Coast Guard (USGC) – Scientific Advisory Committee Member
Society of American Foresters (SAF) – Wilderness Advisory Committee

Jeffrey A. Hepinstall

PERSONAL

Place of Birth: New York City, NY

Citizenship: USA

Addresses: Warnell School of Forestry and Natural Resources

180 Green St.
University of Georgia
Athens, GA 30602-2152
(706) 583-8097 (office)
(206) 293-3237 (cell)
jhepinstall@warnell.uga.edu

STATEMENT OF GOALS

I apply spatial data and modeling techniques to ecological and social systems to measure patterns and processes, and to explore the interactions between coupled natural and human systems. I then apply this knowledge to aid in the planning for and conservation of natural and human resources.

EDUCATION

PhD, Forest Resources 2000: Department of Forest Management, University of Maine, Orono, ME. Dr. Steven A. Sader (advisor). *Creating spatially explicit predictions of land bird presence in Maine: Evaluating input data, model performance, and model output.*

MS, Wildlife Ecology 1992: Department of Fisheries and Wildlife, University of Minnesota, St. Paul, MN. Dr. Peter A. Jordan (advisor). *Evaluation of moose habitat using a geographic information system (GIS) and USFS data according to the Lake Superior moose habitat suitability index (HSI).*

BA, Honors in Biology, Minor in Environmental Studies, 1990: Biology Department, Colgate University, Hamilton, NY. Dr. Randall L. Fuller (advisor). *Limitation of periphyton by light and nutrients and the response of bacteria to these manipulations..*

SKILL SET

I am a spatial modeler with fifteen years experience with GIS and image processing software packages (including extensive experience with ArcINFO/ArcGIS and Erdas Imagine) and programming experience (Python, C++, Pascal, AML). I enjoy teaching and have experience with a wide variety of pedagogical approaches including traditional classroom lectures, field courses, problem-based and case-based approaches. I have extensive experience as a consultant for undergraduate and graduate students, and faculty in application of GIS and remote sensing methods to their research. I have collaborated with local, state, federal governmental and non-

governmental organizations both nationally and internationally in interdisciplinary teaching and research capacities.

PROFESSIONAL EXPERIENCE

Research

Aug '06-Present Assistant Professor, Daniel B. Warnell School of Forestry and Natural Resources, University of Georgia

Sept '05-July '06 Faculty Research Associate, Urban Ecology Research Laboratory, College of Urban Design and Planning, University of Washington
Participating on two grants: 1) NSF Biocomplexity grant on the emergent properties of urban systems and 2) Future scenario development and modeling of nearshore ecosystems without restoration activities. Teaching in the Masters in Strategic Planning for Critical Infrastructures program (GIS Applications, Capstone A and B)

July '02-Sept '05 Faculty Research Associate, Urban Ecology, College of Forest Resources and College of Architecture and Urban Planning, Drs. Marina Alberti and John Marzluff, supervisors, University of Washington
Participated on two NSF grants: 1) Urban Ecology IGERT program: working with PhD students and faculty, teaching interdisciplinary courses, conducting spatial analysis workshops; 2) Biocomplexity – modeling and predicting land cover change and predicting the effects of change on ecosystem processes in the Puget Sound lowlands. Also functioning as lab manager for M. Alberti's Urban Ecology Research Lab supervising and participating on several projects including quantifying spatial patterns of urban development; relating land use and land cover to water quality measures; and measuring impervious surfaces using data at different spatial and spectral resolutions using spectral unmixing and novel object-oriented classification techniques.

June '00-May '02 Postdoctoral Scientist, Department of Wildlife Ecology, University of Maine, Orono, ME, Dr. Daniel Harrison, supervisor
Spatially explicit predictions of American Marten occurrences in Maine and development of a marten habitat-based conservation strategy for use by commercial forest landowners in developing forest management plans. Examined the utility of American marten and Canada lynx as umbrella species for biodiversity conservation in northern Maine.

Teaching

2006, Instructor Spatial Information in Forest Resources. Introductory GIS, GPS, remote sensing undergraduate course required for the School. Warnell School of Forestry and Natural Resources, University of Georgia.

2005-06, Instructor: Capstone and Applied GIS courses for the Strategic Planning for Critical Infrastructures distance learning M.S. program through the Department of Urban Design and Planning at the University of Washington.

2002-05 Co-instructor: Urban Ecology 3-course (3 quarters) core course series. Graduate and upper-level undergraduate courses, team-taught by the Urban Ecology faculty and post-doctoral students.

2002-05, Instructor: Multiple two-day GIS intensive workshops for graduate students in the Urban Ecology and Urban Design and Planning programs at the University of Washington.

GRANTS and CONTRACTS

2005-2009 M. Alberti (PI) and others (including J. Hepinstall, Research Associate), National Science Foundation Biocomplexity Program (\$1.4 million). *Urban landscape patterns: complex dynamics and emergent properties.*

2005-2006 M. Alberti (PI) and J. Hepinstall (Co-PI). Washington Department of Ecology and US Army Corps of Engineers (\$80,000). *Futures without Puget Sound nearshore restoration.*

2005 Contract, Department of Wildlife Ecology, University of Maine. \$4,000, Dr. Daniel Harrison, PI. *Modeling American Marten habitat in Newfoundland.*

2004-2005 M. Alberti (PI) and J. Hepinstall. Washington Department of Ecology and National Oceanic and Atmospheric Administration (\$100,000). *A tiered-scale GIS analysis of land use change and shoreline habitat alteration.*

2004-2005 M. Alberti (PI) and J. Hepinstall, King County – Department of Natural Resources (\$187,000). *Land cover change model for central Puget Sound.*

2004 Contract, Department of Wildlife Ecology, University of Maine. \$10,000, Dr. Daniel Harrison, PI. *Utility of American marten and Canada lynx as umbrella species for biodiversity conservation in northern Maine.*

2004 Contract, Department of Inland Fisheries and Wildlife, State of Maine, \$400. *Habitat modeling and consulting on American Marten Habitat Assessment Plan.*

RECENT REFEREED PUBLICATIONS

Alberti, M., and J.A. Hepinstall. In Review. Incorporating spatial context into land cover change modeling.

Hepinstall, J.A. M. Alberti, S. Coe. In Review. Developing urban landscape trajectories for Puget Sound, Washington using multi-temporal Landsat Thematic Mapper imagery. *Remote Sensing of Environment*

Hepinstall, J.A., J.M. Marzluff, M. Alberti. In Review. Predicting land cover change and avian community responses in rapidly urbanizing environments. *Landscape Ecology*

Hepinstall, J.A. M. Alberti, S. Coe. (In Review). Developing Urban Landscape Trajectories for Puget Sound, Washington using multi-temporal Landsat Thematic Mapper imagery. *Remote Sensing of Environment*.

Hepinstall, J.A., J.M. Marzluff, M. Alberti. Forthcoming. Predicting avian community responses to increasing urbanization. *Studies in Avian Biology*.

Hepinstall, J.A., J.M. Marzluff, M. Alberti.. Forthcoming. Modeling the responses of birds to predicted changes in land cover in an urbanizing region. In J.J. Millspaugh and F.R. Thompson III, eds. *Models For Planning Wildlife Conservation In Large Landscapes*. Elsevier Science.

Hepinstall, J.A., J.M. Marzluff, M. Handcock, and Hurvitz, P. 2005. Incorporating utilization distributions into the study of resource selection: dealing with spatial autocorrelation” in Huzurbazar, S., editor, *Resource Selection Methods and Applications*. Omnipress, Madison, WI.

Hepinstall, J.A., S.A. Sader, and W.B. Krohn. 2002. Effects of niche width on the performance and agreement of avian habitat models. In J.M. Scott, P.J. Heglund, M. Morrison, M. Raphael, J. Haufler, and B. Wall, eds. *Predicting Species Occurrences: Issues of scale and accuracy*. Island Press. Covello, CA.

RECENT TECHNICAL PUBLICATIONS AND REPORTS

Alberti, M., J. Marzluff, J. Hepinstall, P. Waddell, M. Handcock. 2006. NSF Final report for Biocomplexity grant (BE/CNH: Modeling Interactions Among Urban Development, Land-Cover Change, and Bird Diversity)

Fuller, A.K., D.J. Harrison, B.J. Hearn, and J.A. Hepinstall. 2006. Landscape thresholds, occupancy models, and responses to habitat loss and fragmentation by martens in Newfoundland and Maine. Final Contract Report to Cooperators.

Hepinstall, J. A. and D. J. Harrison. 2003. Marten as a tool for landscape-scale habitat planning in northern Maine. Final Contract Report to Cooperators.

RECENT CONTRIBUTED PAPERS, with presentations (sample of over 40 talks given)

- Hepinstall, J.A., M. Alberti, and J. Marzluff. 2007 Predicting land cover change and avian community responses in the rapidly urbanizing area of Central Puget Sound, Washington, USA. International Association of Landscape Ecology World Congress, Wageningen, The Netherlands, July 2007.
- Hepinstall, J.A., and M. Alberti. 2007. Challenges faced when predicting landscape change. Poster presentation at the International Association of Landscape Ecology World Congress, Wageningen, The Netherlands, July 2007.
- Hepinstall, J.A. 2007 Predicting land cover change and its consequences for avian species richness and abundance in the Central Puget Sound, Washington, USA Invited Seminar, Goematics Colloquium, Humboldt University, Berlin.
- Hepinstall, J.A., M. Alberti, and J. Marzluff. 2007. Predicting Landscape Change and its Effects on Biodiversity in the Central Puget Sound, Washington, USA. Framing Land Use Dynamics II. Utrecht, The Netherlands, April 2007.
- Hepinstall, J.A., J. Marzluff, and M. Alberti. 2007 Modeling the responses of birds to predicted changes in land cover and development in an urbanizing region. Urban-Rural Interfaces Conference, Atlanta, GA. April 2007.
- Hepinstall, J.A. 2006 Using Predicted Land Cover Change to Predict Changes in Biodiversity in the Central Puget Sound, Washington, USA. IV North American Ornithological Conference. Veracruz, Mexico. October 2006.
- Hepinstall, J.A., M. Alberti, J. Marzluff, and J. DeLap. 2006. Using Predicted Land Cover Change to Predict Changes in Biodiversity in the Central Puget Sound, Washington, USA. Annual meeting of the Society for Conservation Biology, San Jose, California. June 2006.
- Hepinstall, J.A. 2005. Modeling and predicting land cover change from land use and landscape pattern in an urban environment. Invited seminar on urban modeling at Kobe University, Kobe, Japan. April 2005.
- Hepinstall, J.A., M. Alberti, and S. Coe. 2005. Modeling and predicting land cover change from land use and landscape pattern in an urban environment. *Annual Symposium of the International Association for Landscape Ecology – US Regional Association*, March 2005.

SERVICE

(a) Memberships of Professional Societies

Society for Conservation Biology
 Ecological Society of America
 US-IALE (International Association of Landscape Ecology)
 The Wildlife Society

(b) Reviewer for:

National Science Foundation, Landscape Ecology, Ecological Applications, Journal of Wildlife Management, Wildlife Society Bulletin, Landscape and Urban Planning,

Photogrammetric Engineering and Remote Sensing, International Journal of Remote Sensing, and Remote Sensing of Environment

(c) Graduate Student Committees

Michael Parrish, MS Graduate committee chair; Andrew Grosse, MS Graduate committee member; Daniel Green, MS Graduate committee member; Kate Seader, MFR Graduate committee member; Rai Hayashi, MS Graduate committee member, Clarke Jones, MS Graduate committee member; Yong Steve Carpenedo, PhD Graduate committee member; Michael Bender, PhD Graduate committee member, William Webb, PhD Graduate committee member

CURRICULUM VITA

Daniel Markewitz

Associate Professor of Forest Soils
D.B. Warnell School of Forest Resources
The University of Georgia
Athens, GA 30605
706-542-0133
dmarke@forestry.uga.edu

1. Academic and Professional History

Education

Ph.D., Department of Environment, Duke University, May, 1996.

M.E.M., School of Forestry and Environmental Studies, Duke University, 1991.

B.S., School of Natural Resources, University of Michigan, Ann Arbor, 1986.

Professional Experience (University of Georgia):

Associate Professor of soil/site productivity. D.B. Warnell School of Forest Resource, The University of Georgia, Athens, GA. July 2003 – present (80 % Research/20% teaching)

Assistant Professor of Soil/site productivity. D.B. Warnell School of Forest Resource, The University of Georgia, Athens, GA. March, 1998 – June, 2003

Professional Experience (Other):

Post-Graduate Awards:

Xi Sigma Pi – Forest Resources Honor Society, University of Michigan, admitted May 1986

2. Scholarly Activities:

a. Publications

** denotes invited submission

* denotes peer review

Works Submitted:

Sartori, F, D Markewitz, DB Hall, BE Borders, and BD Shiver. 2007. Soil-site relationships in understory vegetation-free loblolly pine (*Pinus taeda* L.) plantations. *Forest Science*, *in revision*.

Resende, J, D Markewitz, CA Klink, MM Bustamante, and EA Davidson. 2007. Dynamics of Soil P fractions under Prescribed Burning in Cerrado Woodland Savanna of Brazil. *Geoderma*, *in revision*.

Parron, Lucilia Maria, M. Maria Cunha Bustamante, and D. Markewitz. 2006. Fluxes of nitrogen and phosphorus in a gallery forest in the cerrados of central Brazil:

Effects of the topographical gradient. *Forest Ecology and Management, in revision.*

Belk, E, D Markewitz, TC Rasmussen, EJ Maklouf Carvalho, DC Nepstad, and EA Davidson. 2007. Modelling the effects of throughfall reduction on soil water content in a Brazilian Oxisol under a moist tropical forest. *Water Resources Research, in review.*

Markewitz, D. and Rebekah Glazer. 2006. Use of polyacrylamide (PAM) for controlling soil erosion on steep slopes in the piedmont of Georgia. *Journal of Soil and Water Conservation, in review.*

Books Authored:

Richter, D.D. and Markewitz, D. 2001. *Understanding soil change: Soil sustainability over time scales of decades and centuries.* Cambridge University Press, New York, NY. 255 pages.

Books Edited:

None

Chapters in Books:

Davidson, E.A., C. Neill, AV Krusche, M.V.R. Ballester, D. Markewitz, and R.O. Figueiredo. 2004. Loss of Nutrients from Terrestrial Ecosystems to Streams and the Atmosphere following Land Use Change in Amazonia. *In* DeFries, R., Asner, G., and Houghton R. (eds.), *Ecosystems and Land Use Change.* Geophysical Monograph Series. American Geophysical Union. Washington, D.C., p. 147-158. **,*

Nepstad, D.C., Moutinho, P.R., and Markewitz, D. 2001. The recovery of biomass, nutrient stocks, and deep-soil functions in secondary forests. P. 139-164. *In* McClain ME, RL Victoria & JE Richey (eds.), *The biogeochemistry of the Amazon Basin and its role in a changing world.* Oxford University Press. **, *

Journal Articles:

Lincoln, M. Chad, Rodney E. Will, Lawrence A. Morris, Emily A. Carter, Daniel Markewitz, John R. ritt, Ben Cazell, Vic Ford. 2006. Soil change and loblolly pine (*Pinus taeda*) seedling growth following site preparation tillage in the Upper Coastal Plain of the southeastern United States. *Forest Ecology and Management, accepted.*

- Sartori, F, D. Markewitz, and B.E. Borders. 2006. Soil carbon storage and nitrogen and phosphorus availability in loblolly pine plantations over 4 to 16 years of herbicide and fertilizer treatments. *Biogeochemistry*, *accepted*.
- Galang, Marco A., D. Markewitz, L.A. Morris, and P. Bussel. 2006. Land use change and gully erosion in the Piedmont region of South Carolina, USA. *Journal of Soil and Water Conservation*, *accepted*.
- Markewitz, D. 2006. Fossil fuel carbon emissions from silviculture: Impacts on net carbon sequestration in forests. *Forest Ecology and Management*, 236:153-161.
- Markewitz, D., Julio C.F. Resende, Lucilia Parron, Mercedes Bustamante, Carlos A. Klink, Ricardo de O. Figueiredo, and EA Davidson. 2006. Dissolved rainfall inputs and streamwater outputs in an undisturbed watershed on highly weathered soils in the Brazilian cerrado. *Hydrological Processes* 20 (12): 2615-2639.
- Neill, C., Helmut Elsenbeer, Alex V. Krusche, Johannes Lehmann, Daniel Markewitz, and Ricardo de O. Figueiredo 2006. Hydrological and biogeochemical processes in a changing Amazon: results from small watershed studies and the large-scale biosphere-atmosphere experiment. *Hydrological Processes* 20 (12): 2467-2476.
- Markewitz, D, R.O. Figueiredo, and E.A. Davidson. 2006. CO₂ driven cation leaching after tropical forest clearing. *Journal of Geochemical Explorations*, 88:214-219.
- Richter, DD, H. Lee Allen, Jianwei Li, D Markewitz, and Jane Raikes. 2006. Bioavailability of slowly cycling soil phosphorus: major restructuring of soil P fractions over four decades in an aggrading forest. *Oecologia* 150 (2): 259-271.
- Will, RE, D Markewitz, RL Hendrick, DF Meason, TR Crocker, and BE Borders. 2006. Nitrogen and phosphorus dynamics for 13-year-old loblolly pine stands receiving complete competition control and annual N fertilizer. *Forest Ecology and Management* 227 (1-2): 155-168.
- Meason, D, D Markewitz, and RE Will. 2004. Annual fertilisation and interspecific competition control: Effects on in situ forest floor nitrogen fluxes of different aged *Pinus taeda* stands in southeast Georgia, USA. *Canadian Journal of Forest Research*, 34:1802-1818.
- Markewitz, D, EA Davidson, P. Moutinho, and D. Nepstad. 2004. Nutrient loss and redistribution after forest clearing on a highly weathered soil in Amazonia. *Ecological Applications*, 14:S177-S199.*
- Keller, M.; Ane Alencar, A.; Asner, G.P.; Braswell, B.; Bustamante, M.; Davidson, E.; Feldpausch, T.; Fernandes, E.; Goulden, M.; Kabat, P.; Kruijt, B.; Luizão, F.; Miller, S.; Markewitz, D.; Nobre, A.; Nobre, C.; Priante-Filho, N.; Rocha, H.; Silva-Dias, P.; Randow, C. & Vourlitis, G.L. 2004. Ecological Research in the Large Scale Biosphere Atmosphere Experiment in Amazonia (LBA): A Discussion of Early Results. *Ecological Application*, 14:S3-S16.
- Echeverria, M.E., D. Markewitz, L. Morris, and R.E. Hendrick. 2004. Changes in soil organic matter fractions resulting from complete control of competition in pine plantations of the Southeastern USA. *Soil Science Society of America Journal*, 68:950-958
- Borders, BD, R.E. Will, D. Markewitz, A. Clark, R. Hendrick, R.O. Teskey, and Y. Zhang. 2004. Effect of complete competition control and annual fertilization on stem growth and canopy relations for a chronosequence of loblolly pine

plantations in the lower coastal plain of Georgia. *Forest Ecology and Management*, 192:21-37.**, *

- Markewitz, D, C. Craft, and F. Sartori. 2002. Soil change and carbon storage in longleaf pine stands planted on marginal agricultural lands. *Ecological Applications* 12:1276-1285. *
- Nepstad, D.C., P. Moutinho, M.B. Dias-Filho, E.A. Davidson, G. Cardinot, D. Markewitz, R. Figueiredo, N. Viana, J. Chambers, D. Ray, J.B. Guerreiros, P. Lefebvre, L. Sternberg, M. Moreira, L. Barros, F.Y. Ishida, I. Tohlover, E. Belk, K. Kaliff, and K. Schwalbe. 2002. The effects of partial throughfall exclusion on canopy processes, aboveground production, and biogeochemistry of an Amazon forest. *Journal of Geophysical Research*. 107, D20, 8085. **, *
- Will, R.E., M.J. Wheeler, D. Markewitz, M.A. Jacobson, and A.M. Shirley. 2002. II. Early loblolly pine stand response to tillage on the Piedmont and Upper Coastal Plain of Georgia: Tree allometry, foliar nitrogen concentration, soil bulk density, soil moisture, and soil nitrogen status. *Southern Journal of Applied Forestry*. 26(4):190-196.*
- Wheeler, M.J., R.E. Will, D. Markewitz, M.A. Jacobson, and A.M. Shirley. 2002. I. Early loblolly pine stand response to tillage on the Piedmont and Upper Coastal Plain of Georgia: Mortality, stand uniformity, and second and third year growth. *Southern Journal of Applied Forestry*. 26(4):181-189.*
- Markewitz, D., E.A. Davidson, R. de O. Figueiredo, R.L. Victoria, & A.V. Krusche. 2001. Control of cation concentrations in stream waters by surface soil processes in an Amazonian watershed. *Nature* 410:802-805. *
- Gaudinski, J.B., S.E. Trumbore, E.A. Davidson, A.C. Cook, D. Markewitz, and D.D. Richter. 2001. The age of fine-root carbon in three forests of the eastern United States measured by radiocarbon. *Oecologia* 129:420-429. *
- Johnson, K.H., D. Wear, R. Oren, R.O. Teskey, F. Sanchez, R.E. Will, J. Butnor, D. Markewitz, D.D. Richter, T. Rials, H.L. Allen, J. Seiler, D. Ellsworth, C. Maier, G. Katul, and P.M. Dougherty. 2001. Meeting global policy commitments: Carbon sequestration and southern pine forests. *J. Forestry* 99:14-21. *

Proceedings:

- Galang, M.A., C.R. Jackson, L.A. Morris, D. Markewitz, and E.A. Carter. 2007. Hydrological behavior of gullies in the South Carolina Piedmont, *In Proceedings of the 2007 Georgia Water Resources Conference, Athens, GA., accepted.*
- Venturieri, A., R.O. Figueiredo, O.S. Watrin, and D. Markewitz. 2005. Utilização de imagens Landsat e CBERS na avaliação da mudança do uso e cobertura da terra e seus reflexos na qualidade da água em microbacia hidrográfica do município de Paragominas, Pará. *In Anais XII Simpósio Brasileiro de Sensoriamento Remoto, Goiânia, Brasil. 16-21 Abril, INPE, p. 1127-1134.*
- Bradshaw, J Kenneth, D Radcliffe, K Lichtenstein, M Risse, M Bakker, R Jackson and D Markewitz. 2005. Land use effects on water quality in six small Georgia watersheds. In Hatcher, J (ed.) *Proceedings of the 2005 Georgia Water Resources Conference.* *
- Glazer, R. and D. Markewitz. 2001. A field trial using low application rates of polyacrylamide (PAM) to reduce soil erosion from disturbed piedmont soils. Pp

736-739. *In Proceedings of the 2001 Georgia Water Resources Conference, Athens, GA.* *

Bulletins:

Borders, B.E., R. Will, R.L. Hendrick, D. Markewitz, T.B. Harrington, R.O. Teskey, and A. Clark. 2002. Consortium for accelerated pine production studies (CAPPS): Long-term trends in loblolly pine stand productivity and characteristics in Georgia. General Technical Report SRS-48. Asheville, NC. Pp. 591-592.

Other:

Dangerfield, CW, RL Izlar, RO Teskey, CJ Cieszewski, D Markewitz, RL Hendrick. 2004 Carbon Sequestration – A Georgia Fact Sheet. Center for Forest Business Technical Bulletin #13

Abstracts:

(Invited)

Richter, D.D., D. Markewitz, and K.H. Johnson. 2001. The importance of observing soil through time: The case of the Calhoun Experimental Forest. *In* 2001 Agronomy Abstracts. Soil Science Society of America, Madison, WI.

(Volunteered)

Adams, Brian and D. Markewitz. 2006. 3D Soil electrical resistivity for indexing soil rooting volume of loblolly pine under upland tillage. *In* Agronomy Abstracts. Soil Science Society of America, Madison, WI.

Joslin, Aaron, D. Markewitz, and L Morris. 2006. Mixed-species agroforestry systems in the Humid Tropics of Brazil: Soil Impacts and First-year growth. *In* Agronomy Abstracts. Soil Science Society of America, Madison, WI.

Richter, DD, H.L. Allen, J. Li, D. Markewitz, and J. Raikes. 2006. Bioavailability of slowly cycling soil phosphorus: Major restructuring of soil-P fractions over four decades in an aggrading forest. *In* Agronomy Abstracts. Soil Science Society of America, Madison, WI.

Bradshaw, James, D Radcliffe, Mark Risse, Mark Bakker, CR Jackson, D Markewitz, and Karen P Lichtenstein. 2006. Developing maximum contaminant loads for Georgia: Monitoring and Modelling single land use watersheds. *In* Agronomy Abstracts. Soil Science Society of America, Madison, WI.

Madson, SL. and D Markewitz. 2006. Rapid assessment of ecosystem condition within southeastern and northwestern forest stands using the Ecosystem Services Scorecard. *In* Ecological Abstracts. Ecological Society of America.

Markewitz, D. and Joshua Price. 2005. Soil C and nutrient decreases under herbicide treated pine stands persist during five-year resampling. *In* Agronomy Abstracts. Soil Science Society of America, Madison, WI.

- Madson, S L and D. Markewitz. 2004. A new scorecard method for rapid assessment of sustainability of forest ecosystem function. *In Ecological Abstracts*. Ecological Society of America.
- Sartori, F., and D Markewitz. 2004. Modeling growth in simplified loblolly pine (*Pinus taeda* L.) ecosystems based on N availability indexes. *In Ecological Abstracts*. Ecological Society of America, Madison, WI.
- Markewitz, D, R de O Figueiredo, EA Davidson, MMC Bustamante, L Parron, JF Resende, The chemistry of two streams draining kaolinitic soils. In: III Conferência Científica do LBA, 2004, Brasília. III Conferência Científica do LBA - ANAIS, 2004. p. 95-95
- Figueiredo, R de O, D Markewitz, EA Davidson, ES da Cunha, A Schuler, and P de S Silva. Stream water chemistry in three meso-scale hydrologic basins in eastern Amazonian.. In: III Conferência Científica do LBA, 2004, Brasília. III Conferência Científica do LBA - ANAIS, 2004. p. 95-95.
- Schuler, M, JM Moraes, T Dunne, R de O Figueiredo, D Markewitz, EA Davidson, RL Victoria. Hydrological Processes in Small Forest and Pasture Catchments of the Eastern Amazonia. In: III Conferência Científica do LBA, 2004, Brasília. III Conferência Científica do LBA - ANAIS, 2004. p. 94-94.
- Markewitz, D., L. Lucia, B.L. Adams, M. E. Echeverria, D. F. Meason, L.A. Morris, R.L. Hendrick, T. L. Crocker. 2003. Changes in soil organic matter density fractions and C¹³ NMR composition in managed pine plantations of the Southeastern USA. *In Agronomy Abstracts*. Soil Science Society of America, Madison, WI.
- Sartori, F., and D. Markewitz. 2003. Site productivity indices for predicting and modeling growth in loblolly pine (*Pinus taeda* L.) plantations. *In Agronomy Abstracts*. Soil Science Society of America, Madison, WI.
- Davidson, EA, C Neill, AV Krusche, MV Ballester, R de O Figueiredo, and D Markewitz. Loss of Nutrients from Terrestrial Ecosystems to Streams and the Atmosphere following Land Use Change in Amazonia - An Integrated Review. VII LBA-ECO Science Team Meeting, 2003, Fortaleza, Brazil. Abstract Book, 2003
- Figueiredo, R.O., K.A. Sousa, D. Markewitz, and EA Davidson. 2003. Alterações nas concentrações de ortofosfato em amostras de chuva, throughfall e litter leachate armazenadas em coletores instalados em área experimental na Floresta Nacional do Tapajós.. In: VI Congresso de Ecologia da Brasil, 2003, Fortaleza. VI Congresso de Ecologia da Brasil - Anais de Trabalhos Completos. Fortaleza : Editora da Universidade Federal do Ceará, 2003. p. 676-678.
- Markewitz' D., R.O. Figueiredo, A. Schuler, J .Moraes, T. Dunne, and E.A. Davidson. 2003. Pathways of nutrient loss in solution from a deforested Amazonian watershed. *In Ecological Abstracts*. Ecological Society of America, Madison, WI.
- Markewitz, D., C.J.R. Carvalho, R.O. Figueiredo, and E.A. Davidson. 2001. Tree growth and soil responses to P fertilization in a 22-year-old secondary forest on an Amazonian Haplustox. *In 2001 Agronomy Abstracts*. Soil Science Society of America, Madison, WI.

Echeverria, M.E., D. Markewitz, L. Morris, R. Hendrick, L. Lucia, and A. Raguaskis. 2001. Fractionation of soil carbon under pine stands on varying soil textures with herbicide treatments. *In* 2001 Agronomy Abstracts. Soil Science Society of America, Madison, WI.

Meason, D.F., R.E. Will, and D. Markewitz. 2001. Litter layer nitrogen release in fertilized and unfertilized *Pinus taeda* L. stands in southeastern Georgia. p. 156. *In* Ecological Abstracts. Ecological Society of America, Madison, WI.

b. Other creative contributions:

Website

Carbon Trading <http://carbon.sref.info>

Forest Assessment Tool

Forest Ecosystem Rapid Assessment Scorecard D. Markewitz, S. Madson, T. Hinckley. 50 p manual, training DVD, and flash media scorecard.

(Model development)

Co-developing {w/L. Morris(UGA-WSFR), D. Nute, and N. Ruston (UGA-Artificial Intelligence), and J. Vose (USDA-Forest Service)} a nitrogen based forest growth model to be used by landowners to help manage long-term forest productivity.

(Invited keynote speaker)

CO₂ driven cation leaching after tropical forest clearing. August 2005. 7th International Symposium on Surface Geochemistry, Aix-en-Provence, France

(Invited Seminars)

Legacies of land use change in soils from the southeastern USA and the eastern Amazon. 2001. Warnell School of Forest Resources Seminar Series, The University of Georgia, Athens, GA.

c. Research Grants Received

(Competitive)

Effect of tillage on soil physical properties and their relationship to early loblolly pine growth. 2004-2007. \$280,000. Traditional Industries Program for Pulp and Paper. {R. Will, D. Markewitz, and L. Morris}

Functional Indicators for Sustainable Forest Management: Synthesis and Experimental Evaluation. 2003-2007. \$240,000. National Commission on Science for Sustainable Forestry. {D Markewitz}

Nutrient Cycling in Secondary Vegetation of Amazonia: Synthesis. 2006-2008. \$300,000. NASA – Largescale Biosphere Atmosphere Project in Brazil. {E.A. Davidson with 7 other co-investigators}

- Carbon Trading: A primer for landowners. 2006-2007. \$50,000. National Commission on Science for Sustainable Forestry. {D Markewitz}
- Initiating a Partnership Among University, Business and Non-Profit Organizations to Develop Working Forests in the Amazon. 2004. \$5,000. University of Georgia. Office of the Vice President for Public Service and Outreach, International Development Education Awards (IDEAS) Program {D Markewitz and L Morris}
- Dynamics of Biogeochemical Cycles in Secondary Vegetation of Amazonia. 2002-2005. \$300,000. NASA – Largescale Biosphere Atmosphere Project in Brazil. {E.A. Davidson with 7 other co-investigators}
- Effects of Land Use Changes on the Functioning of Soils and Watersheds of Central Brazil Savannas: impacts on nutrient and carbon cycles and trace gas exchange. 2002-2005. \$241,000. NASA – Largescale Biosphere Atmosphere Project in Brazil. {R. Zepp with five other co-investigators}
- Collaborative research: Drought effects on moist tropical forests: A throughfall reduction experiment in Amazonia. 2002-2007. \$1,184,000. National Science Foundation. {D.C. Nepstad, E.A. Davidson, and D Markewitz}
- Management of Soil Carbon Quantity and Quality in High Productivity Forest Plantations. 2000-2003. \$160,000. Traditional Industries Program for Pulp and Paper. {D Markewitz, L. Morris, R. Hendrick, L.Lucia, and A. Ragaskus}.
- Quantifying relations of foliar chemistry and spectral reflectance: A future plan for improving fertilization efficiency of plantation forests from space. 2000-2002. \$18,444. Georgia Space Program {D. Markewitz and R.E. Will}.
- The effects of rainfall exclusion on an Amazon forest. 2000-2002. \$430,000 National Science Foundation Ecosystem Studies. {D.C. Nepstad with five other co-investigators}
- Collaborative research on biogeochemical transfers among terrestrial and aquatic biospheres and the atmosphere in forests and pastures of eastern Amazonia. 1998-2001. \$280,000. NSF Program in Environmental Geochemistry and Biogeochemistry. {E.A. Davidson, D Markewitz, and T. Dunne}.
- The effects of fertilization and competition control on carbon and nutrient allocation and physiology in loblolly pine plantations. 1998-2001. \$268,000. (w/R. Hendrick (PI), R.O. Teskey, R.E. Will, T. Harrington, B. Borders {UGA}). *{I did not participate in the writing of this grant but took over responsibilities for the soil component of this research}*

(Non-competitive)

- Carbon sequestration in managed loblolly pine forests in the Southeastern United States. 1999-2003. Cooperative agreement with USDA Forest Service \$84,000. (w/R.O. Teskey (PI), R. Will, D. Daniels, L. Morris{UGA}).
- An investigation of the effectiveness of silvicultural best management practices in protecting aquatic habitat in the state of Georgia. 2000-2002. \$450,000. US Congressional appropriation (w/R. Jackson (PI), L. Morris, D. Greene, D. Batzer, and T. Rasmussen{UGA}).
- Integrated modeling of soil C, N, and P cycles under intensive forest management: Relations to long-term soil productivity. 2000-2001. \$15,000. USDA Forest Service Challenge Cost-share.

Polyacrylamide (PAM) as an effective treatment for minimizing erosion from disturbed piedmont soils. 2000-2001. \$9,000. SE Erosion Control Inc., Atlanta, GA.

Polyacrylamide (PAM) as an effective treatment for minimizing erosion from disturbed piedmont soils. \$19,988. Georgia Power.

(Industry cooperative)

Consortium for Accelerated Pine Productivity Studies. ~\$100,000 annual budget. UGA-Warnell School of Forest Resources. (serve as co-PI)

(Formula funding)

The sustainability of soil productivity in intensively managed forest plantations. 1998-2004. \$54,000 USDA McIntire-Stennis.

3. Resident Instruction and Continuing Education:

Undergraduate Courses Taught:

Forest Ecology (FORS 3020/3020L)

| <u>Year</u> | <u>Term</u> | <u>Credit hours</u> | <u>Enrollment</u> | <u>Paticipation</u> |
|-------------|-------------|---------------------|-------------------|---------------------|
| 2001 | Fall | 4 | 15 | 90% |
| 2002 | Fall | 4 | 28 | 90% |
| 2003 | Fall | 4 | 22 | 100% |
| 2006 | Spr | 4 | 35 | 90% |
| 2007 | Spr | 4 | 23 | 80% |

Sustainable systems in Brazil (AESC 3150)

| <u>Year</u> | <u>Term</u> | <u>Credit hours</u> | <u>Enrollment</u> | <u>Paticipation</u> |
|-------------|-------------|---------------------|-------------------|---------------------|
| 2003 | Sum | 3 | 10 | 50% |
| 2005 | Sum | 3-6 | 10 | 50% |

Special problems (FORS 5920)

| <u>Year</u> | <u>Term</u> | <u>Credit hours</u> | <u>Enrollment</u> | <u>Paticipation</u> |
|-------------|-------------|---------------------|-------------------|---------------------|
| 2003 | Spr | 5 | 1 | 100% |

Graduate Courses Taught:

Science of Sustainability (FORS 7870)

| <u>Year</u> | <u>Term</u> | <u>Credit hours</u> | <u>Enrollment</u> | <u>Paticipation</u> |
|-------------|-------------|---------------------|-------------------|---------------------|
| 2006 | Spring | 2 | 7 | 100% |

Directed research (FORS 8983)

| <u>Year</u> | <u>Term</u> | <u>Credit hours</u> | <u>Enrollment</u> | <u>Paticipation</u> |
|-------------|-------------|---------------------|-------------------|---------------------|
| 2001 | Spring | 3 | 1 | 100% |

4. Recognition and Outstanding Achievements:

Co-authored book was recently favorably reviewed in Nature, February 2002.

6. Nature paper from 2001 received press coverage in leading Brazilian popular scientific journal *Ciencia Hoje*.

7. Areas of Research

1. Forest productivity and nutrient cycling.
2. Long-term sustainability of soil productivity.
3. The effects of land use change on biogeochemical cycles.

8. Supervision of Student Research:

Theses Directed:

(Completed)

Fabio Sartori (PhD) 2004
Joshua Paul Price (MS), 2001
Rebekah Lillian Glazer (MS), 2001
Elizabeth Belk (MS), 2002

(Current)

Marco Galang (PhD)
Brian Adams (MS)
Aaron Joslin (MS)
Scott Devine (MS)
Sami Rifai (MS)
Luke Worsham (MS)

Graduate Committees Service:

(Completed)

Noah Fraser (MS), Forestry and Natural Resources, 2006
Audrey Owens (MS), Wildlife, UGA, 2006
Marion Lincoln (MS), Forest Resources, UGA, 2005
Lucilia Parron (PhD), Ecology, Universidade Federal de Brasilia, 2004.
Gary Rachael (PhD), Forest Resources, UGA, 2004.

Tracy Crocker (MS), Forest Resources, UGA, 2002.
Rick Hamrick (MS), Wildlife, UGA, 2002.
Nurul Winarni (MS), Wildlife, UGA, 2002.
Steve Panfil (PhD), Botany, UGA, 2001.
Julio Carlos Franca Resende (PhD), Ecology, Universidade Federal de Brasilia, 2001
Dean Francis Meason (MS), Forest Resources, 2001.

(Current)

Jason Austin (PhD) Geology, UGA
Rick Rietz (PhD) Forestry and Natural Resources, UGA
Jose Salamao (PhD) Ecology, Universidade Federal de Brasilia
Bruno Furtado (MS) Forestry and Natural Resources, UGA

Postdoctoral Scholars Advised or Hosted

Dr. Gary Rachel, School of Forest Resources, University of Georgia, advised Oct 2005 to June 2006.

Dr. Stephanie Madson, Institute of Ecology, University of Georgia, advised August 2003 to August 2005

Dr. Ricardo de O. Figueiredo, Instituto de Pesquisa Ambiental da Amazônia. Hosted visiting scientist February 5 –22, 2002

9. Journal Editorship

Associate Editor for Soil Science Society of America Journal, January 2005-present.
Assistant Editor for Hydrological Processes Special Issue Nov. 2004 to Present
Guest editor Southern Naturalist, Oct 2003 to Oct. 2004.

(Ad hoc Reviewer)

Biogeochemistry 2005

Forest Ecology and Management, Soil Science Society of America Journal 2004.

Ecology, Forest Ecology and Management, Global Change Biology, Soil Science Society of America Journal (2), Southern Journal of Applied Forestry, Water, Air, and Soil Pollution, 2003.

Applied Soil Ecology, Canadian Journal of Forest Research, Soil Science Society of America Journal, Water Resources Research, 2002.

Journal of Ecology, Soil Science Society of America Journal (2), Water Resources Research, 2001.

h. Convention Papers

(Invited)

- Markewitz, D., R.O. Figueiredo, E.A. Davidson, A.V. Krusche, R. Victoria, J.M. Moraes, A.E. Schuler, and T. Dunne. 2002. Control of stream water cations by surface soil processes and land use effects on the exchange of nutrients between terrestrial and aquatic ecosystems in the Eastern Amazonia. Largescale Biosphere Atmosphere II Scientific Conference, Manaus, Brazil. §
- Richter, D.D., D. Markewitz, and K.H. Johnson. 2001. The importance of observing soil through time: The case of the Calhoun Experimental Forest. Soil Science Society of America, Charlotte, NC. #

(Volunteered)

- Markewitz, D., L. Lucia, B.L. Adams, M. E. Echeverria, D. F. Meason, L.A. Morris, R.L. Hendrick, T. L. Crocker. 2003. Changes in soil organic matter density fractions and C¹³ NMR composition in managed pine plantations of the Southeastern USA. Soil Science Society of America, Denver, CO. #
- Sartori, F., and D. Markewitz. 2003. Site productivity indices for predicting and modeling growth in loblolly pine (*Pinus taeda* L.) plantations. Soil Science Society of America, Denver, CO. #
- Markewitz D., R.O. Figueiredo, A. Schuler, J. Moraes, T. Dunne, and E.A. Davidson. 2003. Pathways of nutrient loss in solution from a deforested Amazonian watershed. Ecological Society of America, Savannah, GA.
- Figueiredo, R.O., K.A. Sousa, D. Markewitz, and EA Davidson. 2003. Alterações nas concentrações de ortofosfato em amostras de chuva, throughfall e litter leachate armazenadas em coletores instalados em área experimental na Floresta Nacional do Tapajós.. In: VI Congresso de Ecologia da Brasil, 2003, Fortaleza. VI Congresso de Ecologia da Brasil - Anais de Trabalhos Completos. Fortaleza : Editora da Universidade Federal do Ceará, 2003. p. 676-678.
- Davidson, EA, C Neill, AV Krusche, MV Ballester, R de O Figueiredo, and D Markewitz. Loss of Nutrients from Terrestrial Ecosystems to Streams and the Atmosphere following Land Use Change in Amazonia - An Integrated Review. VII LBA-ECO Science Team Meeting, 2003, Fortaleza, Brazil. Abstract Book, 2003
- Figueiredo, RO, D Markewitz, AE Schuler, EA Davidson, and ES da Cunha. 2003. Effects of land use change on stream water chemistry in Eastern Amazonian watersheds Effects of land use change on stream water chemistry in Eastern Amazonian watersheds. VII LBA-ECO Science Team Meeting, 2003, Fortaleza, Brazil. 2003
- Markewitz, D, R de O Figueiredo; EA Davidson, AV Krusche, RL Victoria, JM Moraes, A Schuler, and T Dunne. Control of stream water cations by surface soil processes and land use effects on the exchange of nutrients between terrestrial and aquatic ecosystems in the Eastern Amazonia. In: Second LBA Scientific Conference, 2002, Manaus. Online Abstracts Book of the II LBA Scientific Conference, 2002

- Schuler, A, JM Moraes, R de O Figueiredo, D Markewitz, T Dunne, EA Davidson, and RL Victoria. The forest/pasture conversion effects on small catchments hydrological processes in the eastern Amazonia. In: Second LBA Scientific Conference, 2002, Manaus. Online Abstract Book of the II LBA Scientific Conference, 2002.
- Figueiredo, RO, D Markewitz, E Belk, EA Davidson, DC Nepstad, A Krusche, LP Silva, and WR SILVA. Throughfall exclusion in a moist tropical forest: impacts on solution nutrient fluxes. In: Second LBA Scientific Conference, 2002, Manaus. Online Abstract Book of the II LBA Scientific Conference, 2002
- Markewitz, D., C.J.R. Carvalho, R.O. Figueiredo, and E.A. Davidson. 2001. Tree growth and soil responses to P fertilization in a 22-year-old secondary forest on an Amazonian Haplustox. Soil Science Society of America, Charlotte, NC.[#]
- Echeverria, M.E., D. Markewitz, L. Morris, R. Hendrick, L. Lucia, and A. Raguaskis. 2001. Fractionation of soil carbon under pine stands on varying soil textures with herbicide treatments. Soil Science Society of America, Charlotte, NC.^{§,#}
- Meason, D.F., R.E. Will, and D. Markewitz. 2001. Litter layer nitrogen release in fertilized and unfertilized *Pinus taeda* L. stands in southeastern Georgia. Ecological Society of America, Madison, WI.^{§,#}
- B.E. Borders, R.E. Will, R. Hendrick, and D. Markewitz. 2001. Long-term trends in loblolly pine stand productivity and stand characteristics in Georgia. Eleventh Biennial Southern Silviculture Research Conference, Knoxville, TN.[§]
- Will, R.E., R.L. Hendrick, R.O. Teskey, D. Markewitz, T.B. Harrington, Y. Zhang, B.E. Borders. 2001. The effects of fertilization and the mechanisms controlling age related decline in stem wood production of loblolly pine stands. Southern Forest Science Conference, Atlanta, GA.
- Resende, J., C. Klink, M. Bustamante, D. Markewitz, and E.A. Davidson. 2001. The Biogeochemical Cycles of a Cerrado Ecosystem with an Emphasis on Soil Phosphorus. In: LBA-Ecology Open Meeting, 2001, Atlanta, 2001
- Trumbore, SE, Camargo, PB, Costa, ES, DC Nepstad, D Markewitz, R de O Figueiredo, and FY Ishida. Age of Fine Roots in Terra Firme Forests of Eastern Amazonia and the Influence of Roots on the 14C of Soil Respiration. In: LBA-Ecology Open Meeting, 2001, Atlanta, 2001
- Moraes, JM, A Schuler, T Dunne, RL Victoria, R de O Figueiredo, D Markewitz, and EA Davidson. Hydrological Processes in Forest and Pasture of the Eastern Amazon Basin. In: LBA-Ecology Open Meeting, 2001, Atlanta, 2001
- Glazer, R. and D. Markewitz. 2001. A Field Trial Using Low Application Rates of Polyacrylamide to Reduce Soil Erosion From Disturbed Piedmont Soils Georgia Water Resources Conference, Athens, GA.[§]

Service Presentations

Grow Green Coalition

Development of the Georgia Carbon Sequestration Registry. Athens, GA January 2007

Fertilizer retention of soils of differing textural classes. Athens, GA March 2001.

Soil responses to CAPPS treatments. Guyton, GA May 2002.

Management of soil carbon quantity and quality in high productivity forest plantations. Athens, GA. July, 2001.

Fractionation of soil carbon under pine stands of varying soil textures under herbicide treatments. Athens, GA December, 2001.

American Fiber and Paper Association

The effects of fertilizer and competition control on carbon and nutrient allocation and physiology in loblolly pine plantations. Atlanta, GA, March 2001.

Service for Regional, National, and International Scientific Meetings

Organizer Special Session on “Soil Control on Stream Biogeochemistry” III Largescale Biosphere Atmosphere Scientific Conference, 26-28 July 2004, Brasilia

Moderator for oral session “Biogeochemical dynamics” Ecological Society of America, Savannah, GA. August, 2003.

Judge for poster session “Soil carbon” Soil Science Society of America annual meeting, Denver, CO. Nov. 2003.

Moderator for poster session “Soil carbon dynamics in forest, range, and grassland soils”, Soil Science Society of America annual meeting, Indianapolis, IN Nov. 2002.

Co-organizer for portion of Forest Soils field tour. Nov. 2001. Soil Science Society of America annual meeting, Charlotte, NC.

Continuing Education

Forestry Advanced Specialty Area Training (FASAT IV), Athens, GA, April 8-11, 2002.

4. Other Services

D.B. Warnell School of Forest Resources Committees:

(Standing)

Lands Committee (2002-present)

Seminar Committee (2002-present)

Research Coordination and Review (2001-present)

(Ad-hoc)

Long-term research subcommittee (2004)

University of Georgia Committees:

Proxy for University Council meetings (1998,1999, 2001).

Ecosystem Ecologist search committee, Institute of Ecology 2004

Service to Other Universities and Organizations:

Duke University, Nicholas School of the Environment and Earth Sciences, Alumni Council (2001-2005)

Membership in Professional Societies:

Ecological Society of America
International Union of Soil Scientists
Society of American Foresters
Soil Science Society of America

1. ACADEMIC HISTORY

- **Name:** Michael T. Mengak
- **Present Rank:** Associate Professor
- **Recommended Rank:** N/A
- **Proportion Time Assignments:** 50% Teaching; 50% Service
- **Tenure Status:** Tenured (2006)
- **Administrative Title:** None
- **Graduate Faculty Status:** Member since 2001
- **Highest Degree:** Doctor of Philosophy, Clemson University, 1987
- **List of Academic Positions:**
 - Associate Professor-Wildlife Specialist. Warnell School of Forest Resources, University of Georgia, Athens, GA. July 2005 to present.
 - Assistant Professor-Wildlife Specialist. Warnell School of Forest Resources, University of Georgia, Athens, GA. August 2001 to July 2005.
 - Professor of Forestry and Wildlife. Division of Life Sciences, Ferrum College, Ferrum, VA. August 1999 to August 2001.
- **Post-graduate Awards**
 - Southern Regional Extension Forestry – Award for Excellence in Programming – Mixed Media – General Audience (2006)
 - UGA Collegiate FFA – Distinguished Service Award (2003).
 - Professional Development Certificate, The Wildlife Society (2001).

2. RESIDENT INSTRUCTION and CONTINUING EDUCATION

- **University of Georgia**

| | | |
|-----------------|--|-----------|
| FORS 1100 | Natural Resource Conservation | 3 credits |
| FORS 4340/6340 | Nongame & Endangered Species Management | 3 credits |
| FORS 4900/4900L | Wildlife Damage Management | 3 credits |
| FORS 4930/6930 | Wildlife Ecology and Management For Teachers | 3 credits |
| FORS 5930/7984 | Special Topics: Wildlife Ecology and Management for Teachers | 3 credits |
| FORS 6900/6900L | Wildlife Damage Management | 3 credits |
| FORS 8300 | Fish and Wildlife Seminar (Ecotourism) | 1 credit |
- **Academic Advising**
 - Advising load averages 10 undergraduate students in the professional curriculum per semester.
 - Graduate student advising: Major Professor to 4 M. S. candidates and 3 M.F. R. candidates; Committee Member for 2 M. S. candidates and 1 Ph.D. candidate.

3. SCHOLARLY ACTIVITIES

a. Publications

1. Books authored or co-authored None

2. Books edited or co-edited None

3. Chapters in books

- ** Mengak, M. T., C. Butchkoski, D. Feller, and S. Johnson. (In review). Lessons from long-term monitoring of woodrat. Chapter 8. Section III: Conservation and management of the Allegheny woodrat. J. Peles and J. Wright (editors).
- ** Mengak, M. T. and J. Laerm. (In Press). American Beaver, *Castor canadensis*. Pages xx-xx in Trani, M. K., and B. R. Chapman, Editors. 2004. The land manager's guide to the mammals of the south. USDA Forest Service and The Nature Conservancy. Atlanta, GA.
- ** Mengak, M. T. and J. Laerm. (In press). Eastern Woodrat, *Neotoma floridana*. Pages xx-xx in Trani, M. K., and B. R. Chapman, Editors. 2004. The land manager's guide to the mammals of the south. USDA Forest Service and The Nature Conservancy. Atlanta, GA.
- ** Mengak, M. T. and J. Laerm. (In press). Eastern Chipmunk, *Tamias striatus*. Pages xx-xx in Trani, M. K., and B. R. Chapman, Editors. 2004. The land manager's guide to the mammals of the south. USDA Forest Service and The Nature Conservancy. Atlanta, GA.
- ** Mengak, M. T. and J. Laerm. (In press). Woodchuck, *Marmota monax*. Pages xx-xx in Trani, M. K., and B. R. Chapman, Editors. 2004. The land manager's guide to the mammals of the south. USDA Forest Service and The Nature Conservancy. Atlanta, GA.
- ** Mengak, M. T. and J. Laerm. (In press). Hispid Cotton Rat, *Sigmodon hispidus*. Pages xx-xx in Trani, M. K., and B. R. Chapman, Editors. 2004. The land manager's guide to the mammals of the south. USDA Forest Service and The Nature Conservancy. Atlanta, GA.
- ** Mengak, M. T. and J. Laerm. (In press). Eastern Harvest Mouse, *Reithrodontomys humulis*. Pages xx-xx in Trani, M. K., and B. R. Chapman, Editors. 2004. The land manager's guide to the mammals of the south. USDA Forest Service and The Nature Conservancy. Atlanta, GA.
- ** J. Laerm and Mengak, M. T. (In press). Plains Harvest Mouse, *Reithrodontomys montanus*. Pages xx-xx in Trani, M. K., and B. R. Chapman, Editors. 2004. The land manager's guide to the mammals of the south. USDA Forest Service and The Nature Conservancy. Atlanta, GA.
- ** J. Laerm and Mengak, M. T. (In press). Western Harvest Mouse, *Reithrodontomys megalotis*. Pages xx-xx in Trani, M. K., and B. R. Chapman, Editors. 2004. The land manager's guide to the mammals of the south. USDA Forest Service and The Nature Conservancy. Atlanta, GA.
- ** J. Laerm and Mengak, M. T. (In press). Fulvous Harvest Mouse, *Reithrodontomys fulvescens*. Pages xx-xx in Trani, M. K., and B. R. Chapman, Editors. 2004. The land manager's guide to the mammals of the south. USDA Forest Service and The Nature Conservancy. Atlanta, GA.

** Publications which were invited and which carry prestige and recognition and have gone through stringent editorial review.

4. Monographs

Castleberry, S. B., **M. T. Mengak**, W. M. Ford. 2006. *Neotoma magister*. Mammalian Species No. 789, pp. 1-5, 3 figs.

5a. Journal Articles

- * Ford, W. M., S. B. Castleberry, **M. T. Mengak**, J. L. Rodrigue, D. Feller, and K. R. Russell. 2006. Persistence of Allegheny Woodrats (*Neotoma magister*) Across the Appalachian Highlands Landscape of the Mid-Atlantic, USA. *Ecography* 29(5): 745-754.
- * Stephens, O. L., **M. T. Mengak**, K. Kammermeyer, D. Osborn, and K. V. Miller. 2006. An evaluation of forage production, utilization by white-tailed deer (*Odocoileus virginianus*), and seasonal crude protein levels in three cool season forages in Georgia. *Proceedings of the Annual Conferences Southeastern Association of Fish and Wildlife Agencies* 59: 66-78.
 - * **Mengak, M. T.** and A. K. Zadnik. 2005. Behavior of captive Allegheny woodrats (*Neotoma magister*) in Virginia. *Banisteria* 26: 11-14.
- * **Mengak, M. T.** 2004. Response of small mammal populations to fescue hayfield conversion to native warm season grasses in Bath County, Virginia. *Virginia Journal of Science* 55(4):169-176.
- * **Mengak, M. T.**, and D. C. Guynn, Jr. 2003. Small mammal microhabitat use on young loblolly pine regeneration areas. *Forest Ecology and Management*. 173(1-2): 309-317.
- * Castleberry, S. B., N. L. Castleberry, P. B. Wood, W. M. Ford, and **M. T. Mengak**. 2003. Fleas (Siphonaptera) of the Allegheny woodrat (*Neotoma magister*) in West Virginia with comments on host specificity. *American Midland Naturalist* 149: 209-212.
- * **Mengak, M. T.** 2002. Home range and movements of the Allegheny woodrat (*Neotoma magister*) in Virginia. *Banisteria* 20: 3-8.
- * **Mengak, M. T.**, S. B. Castleberry, W. M. Ford, N. L. Castleberry, and J. Rodrigue. 2002. Longevity record for a wild Allegheny woodrat (*Neotoma magister*) in West Virginia. *Virginia Journal of Science* 53:167-170.
- * **Mengak, M. T.** 2002. Reproduction and juvenile growth rates of Allegheny woodrats (*Neotoma magister*) in Virginia. *American Midland Naturalist* 148:155-162.
- * Castleberry, N. L., S. B. Castleberry, W. M. Ford, P. B. Wood, and **M. T. Mengak**. 2002. Allegheny woodrat (*Neotoma magister*) food habits in the central Appalachians. *American Midland Naturalist* 147:80-92.
- * Castleberry, S. B., P. B. Wood, W. M. Ford, N. L. Castleberry, and **M. T. Mengak**. 2002. Summer microhabitat selection by foraging Allegheny woodrats (*Neotoma magister*) in a managed forest. *American Midland Naturalist* 147:93-101.
- * Castleberry, S. B., W. M. Ford, P. B. Wood, N. L. Castleberry, and **M. T. Mengak**. 2001. Movements of Allegheny woodrats in relation to timber harvesting. *Journal of Wildlife Management* 65:148-156.

- * Keyser, P. D., D. J. Sausville, W. M. Ford, **M. T. Mengak**, P. Brose, and D. H. van Lear. 2001. Fire impacts to small mammals in Piedmont oak-shelterbelts. Proceedings of the Annual Conference Southeastern Association of Fish and Wildlife Agencies 55:375-381.
- * Publications which have gone through stringent peer-refereed process.

5b. Conference Proceedings

- * Stephens, L. R., **M. T. Mengak**, D. I. Hall. (In Press). Evaluation of resident Canada Goose relocation in Georgia. Pages xxx-xxx in D. L. Nolte (editor). Proceedings of the 12th Wildlife Damage Management Conference, Corpus Christi, TX.
- * Stephens, O. L., **M. T. Mengak**, G. R. Gallagher, D. Osborn, and K. V. Miller. 2005. Efficacy of Milorganite® as a repellent to protect ornamental and agronomic plants from deer over-browsing. Pages 163-170 in D. L. Nolte and K. A. Fagerstone, editors. Proceedings of the 11th Wildlife Damage Management Conference, Traverse City, MI.
- ** **Mengak, M. T.**, and S. B. Castleberry. 2004. Wildlife Management Issues and Opportunities. Pages 79-83 in E. D. Dickens, J. P. Barnett, W. G. Hubbard, and E. J. Jokela, editors. 2004. Slash pine: still growing and growing! Proceedings of the slash pine symposium. Gen. Tech. Rep. SRS-76 Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 148 p.
- * **Mengak, M.T.** 2003. Wildlife damage management education needs: Survey of Georgia county FASAT agents. Pages 7-15 in K. A. Fagerstone and G. Witmer, editors. Proceedings of the 10th Wildlife Damage Management Conference, Hot Springs, AR.
- * **Mengak, M. T.**, and D. I. Hall. 2003. Wildlife damage management class and curriculum at the University of Georgia. Pages 174-180 in K. A. Fagerstone and G. Witmer, editors. Proceedings of the 10th Wildlife Damage Management Conference, Hot Springs, AR.

** Invited paper.

* Publications which have gone through stringent editorial review.

6. Bulletins or reports

- Linehan, J. M. and **M. T. Mengak**. 2006. Inventory of the mammalian species at Vicksburg National Military Park, Vicksburg, MS. Final Report for Gulf Coast Inventory and Monitoring Network National Park Service, Baton Rouge, LA. 118 pages.
- Mengak, M. T.** and K. V. Miller. 2002. Effectiveness of Eucalyptus mulch as a deer repellent for protecting suburban plantings. Final Report for Corbitt Manufacturing, Lake City, FL. 13 October 2002. 6 pages.
- Mengak, M. T.** 2002. Analysis and summary of eleven years of Allegheny woodrat trapping data in Southwest Virginia, 1990-2000. Final Report for Virginia Department of Game and Inland Fisheries, Richmond, VA. 11 December 2002. 52 pages.

Mengak, M. T. 2002. Results of 11-year of Allegheny woodrat trapping in Southwest Virginia. Final Report for USDA Forest Service, Roanoke, VA. 15 February 2002. 58 pages.

7. Abstracts – published in conference proceedings

- Winchester, C. P., S. B. Castleberry, and **M. T. Mengak**. 2006. Population estimates and macro-habitat study for the endangered Key Largo woodrat. The Wildlife Society 13th Annual Conference, Anchorage, Alaska.
- Gammons, D. J., **M. T. Mengak**, and L. M. Conner. 2006. Home range and habitat use of nine-banded armadillos in southwest Georgia. The Wildlife Society 13th Annual Conference, Anchorage, Alaska.
- Linehan, J. **M. T. Mengak**, S. B. Castleberry, D. E. Miller. 2006. Mammals of Vicksburg National Military Park: Preliminary Results. 16th Annual Colloquium on Conservation of Mammals in the Southeastern United States. Colloquium, Chattanooga, TN
- Winchester, C., S. B. Castleberry, and **M. T. Mengak**. 2006. Methods for estimating abundance and macro-habitat associations of Key Largo woodrat (*neotoma floridana smalli*). 16th Annual Colloquium on Conservation of Mammals in the Southeastern United States. Colloquium, Chattanooga, TN
- Mengak, M. T.** 2005. Wildlife damage management program in Georgia. Proceedings of the Jack H. Berryman 1st Annual Conference. Logan, Utah.
- Ford, W. M. S. B. Castleberry, **M. T. Mengak**, J. L. Rodrigue, K. R. Russell, and D. Feller. 2005. Persistence of Allegheny woodrats across the mid-Atlantic Appalachian highlands of Maryland, Virginia and West Virginia. 15th Annual Colloquium on Conservation of Mammals in the Southeastern United States. Paris Landing, TN.
- Castleberry, S. B., N. L. Castleberry, P. B. Wood, W. M. Ford, and **M. T. Mengak**. 2003. Activity patterns and behavior at Allegheny woodrat (*Neotoma magister*) latrines. 83rd Annual Meeting of the American Society of Mammalogists. Lubbock, TX.
- Campbell, J., **M. T. Mengak**, and S. B. Castleberry. 2003. Distributions of uncommon, non-charismatic mammalian microfauna of the southern Appalachians. 13th Annual Colloquium on Conservation of Mammals in the Southeastern United States. Starkville, MS.
- Fischer, S., S. B. Castleberry, **M. T. Mengak**, and W. M. Ford. 2003. Landscape characteristics of Allegheny woodrats (*Neotoma magister*) sites in Virginia and West Virginia. 13th Annual Colloquium on Conservation of Mammals in the Southeastern United States. Starkville, MS.
- Castleberry, N. L., S. B. Castleberry, W. M. Ford, P.B. Wood, and **M. T. Mengak**. 2001. Summer microhabitat selection by foraging Allegheny woodrats in a managed forest. 11th Annual Colloquium on Conservation of Mammals in the Southeastern United States. Memphis, TN.
- Mengak, M. T.** 2000. Status and distribution of the Allegheny Woodrat (*Neotoma magister*) in Virginia. 56th Annual Northeast Fish and Wildlife Conference. Charleston, WV.
- Castleberry, N. L., P.B. Wood, W. M. Ford, **M. T. Mengak**, and S. B. Castleberry. 2000. Food habits of the Allegheny woodrat in West Virginia and Virginia. 56th Annual Northeast Fish and Wildlife Conference. Charleston, WV.

8. Book reviews

- Chiras, D. D., J. P. Reganold, and O. S. Owen. 2003. *Natural Resource Conservation*, 8th edition. Prentice Hall, Upper Saddle River, NJ.
- Enger, E. D., and B. F. Smith. 2002. *Environmental Science: A Study of Interrelationships*. McGraw-Hill, New York, NY.
- Linzey, D. 2001. *Vertebrate Biology*. McGraw-Hill, New York, NY.

9. Works Submitted

- * Gammons, D. J., **M. T. Mengak**, and L. M. Conner. (In Review). Home range and habitat selection of nine-banded armadillos in a longleaf pine ecosystem. Submitted to *Journal of Wildlife Management*.
- * Gammons, D. J., **M. T. Mengak**, and L. M. Conner. (In Review). From the Field: Translocation of nine-banded armadillos. Submitted to *Journal of Wildlife Management*.
- * Rutledge, H. E., B. McDonald, and **M. T. Mengak**. (In Review). Ecological principles – a unifying theme in environmental education. Submitted to *Journal of Environmental Education*.
- * **Mengak, M. T.**, C. Butchkoski, D. Feller, and S. Johnson. (In review). Lessons from long-term monitoring of woodrat. Chapter 8. Section III: Conservation and management of the Allegheny woodrat. J. Peles and J. Wright (editors).
- * **Mengak, M. T.** and S. B. Castleberry. (In review). Influence of acorn mast on Allegheny woodrat population trends in Virginia. Submitted to *Southeastern Naturalist*.
- * Winchester, C., **M. T. Mengak**, and S. B. Castleberry. (In review). An evaluation of factors restricting the distribution of the Key Largo woodrat. Submitted to *Journal of Wildlife Management*.
- * Winchester, C., **M. T. Mengak**, and S. B. Castleberry. (In review). Key Largo woodrat abundance estimate using equal probability and adaptive sampling. Submitted to *Journal of Wildlife Management*.
- * Linehan, J. M., and **M. T. Mengak**. (In review). Inventory of the mammalian species at Vicksburg National Military Park, Vicksburg, Mississippi. Submitted to *Southeastern Naturalist*.
- * Winchester, C., S. B. Castleberry, and **M. T. Mengak**. (In review). Foraging microhabitat and nest site selection by the endangered Key Largo woodrat. Submitted to *Journal of Mammalogy*.

* Peer-refereed

10. Any Other – Technical Journals, Trade Journals, Mass Media, Newspaper

- Linehan, J. M., K. A. Foote, and **M. T. Mengak**. 2005. Mammal inventory surprises managers to Vicksburg National Military Park. *Natural Resource Year in Review*, NPS, Baton Rouge, LA

- Stephens, O. L., **M. T. Mengak**, and K. V. Miller. 2005. Using Milorganite to temporarily repel deer from food plots. *Quality Whitetails* 12(2): 76-78. June 2005.
- * **Mengak, M. T.** 2005. What a Nuisance. *American Nurseryman*. 15 March 2005, pages 31-34.
- * **Mengak, M. T.** 2005. Snakes: What you need to know about copperheads. *Forest Landowners Magazine* May/June 2005, pages 34-36.
- Mengak, M. T.** 2004. Oh Rats! The Allegheny woodrat in Virginia. *Virginia Wildlife*. November 2004. 65(11): 14-18.

* Invited Article

b. Grants Received – all grants are to M. T. Mengak as Principal Investigator unless otherwise noted.

1. Service/Research – University of Georgia - (\$367,810)

2006

US Fish and Wildlife Service – “A Protocol for Monitoring Key Largo Cotton Mouse (*Peromyscus gossypinus allapaticola*) Population Status” (\$75,000) (Co-P.I. S. B. Castleberry)

Berryman Institute – Eastern Unit – “Movements, intraspecific competition, and natural history of the armadillo in Southwest Georgia” (\$5,500)

2005

Georgia Forestry Commission – “Forestry and Wildlife Education Programs for Private Landowners in Georgia.” (\$11,444)

US Forest Service – “Ecological Understanding as a Guideline for Evaluation of Nonformal education (EUGENE): A Proposal to Build Capacity in Nonformal Environmental Education Evaluation.” (\$162,300; 3-year project)

2004

US Fish and Wildlife Service – “Habitat characterization in hurricane impacted areas of hardwood hammock of the Florida Keys.” (\$93,556) (Co-P.I. S. B. Castleberry (50%), WSFR – UGA)

National Park Service, Gulf States Cooperative Ecosystem Study Unit (CESU) – “Mammal Community Survey at Vicksburg National Military Park (VICK-NMP), Vicksburg, MS (\$69,079)

UGARF – Office of Vice President for Research - “Effectiveness of chemical repellants to deter deer browsing on forage crops and landscape plants.” (\$4,525)

Berryman Institute - Eastern Unit - “Food habits, bait acceptance, and natural history of the nine-banded armadillo in southwest Georgia.” (\$15,100)

Berryman Institute – Eastern Unit – “Wildlife Damage Management Training Program.” (\$8,250)

2002

Corbitt Manufacturing, Lake City, FL – “Effectiveness of eucalyptus mulch as a deer repellent for protecting suburban plantings.” (\$2,000)
The Nature Conservancy - Mammal Survey in West Virginia. (Co-P.I. S. B. Castleberry (50%), WSFR – UGA)
Virginia Department of Game and Inland Fisheries - “Summary, analysis and recommendations of 11-years trapping and monitoring data on the Allegheny woodrat in Southwest Virginia.” (\$4, 000)

2001

USDA Forest Service - Challenge Cost Share Grant from George Washington and Jefferson National Forests for the project “Results of Ten Years of Allegheny Woodrat Trapping in Southwest Virginia.” (\$2,500)

2. Teaching – University of Georgia – (\$36,763)

2005

Berryman Institute – East, Mississippi State University Undergraduate or Post-graduate Internship. (\$10,100)

2004

USDA Forest Service – “Developing the Theoretical and Practical Basis for Using Ecological Principles in Nonformal Environmental Education Evaluation.” (\$9,000)

Berryman Institute – East, Mississippi State University Undergraduate or Post-graduate Internship. (\$9,413)

2003

Berryman Institute – East, Mississippi State University Undergraduate or Post-graduate Internship. (\$8,250)

d. Recognitions and Outstanding Achievements

Awards – University of Georgia

2006 Southern Regional Extension Forestry – Award for Excellence – Mixed Media – General Audience for the publication “Dealing with Nuisance Wildlife” publication and PowerPoint presentation.

2003 UGA Chapter – FFA – Distinguished Service Award

e. Areas in which research is done

- Ecology and natural history of the nine-banded armadillo
- Efficacy of chemical repellents to deter deer browsing
- Ecology and natural history of the Allegheny woodrat and Key Largo woodrat
- Small mammal ecology and forest management

f. Supervision of student research

- Doctor of Philosophy - Committee Member
 - Gino D'Angelo (2004-2007) – University of Georgia
 - Steven Castleberry (1997-2000) – West Virginia University
- Master of Science
 - Major Professor
 - Jennifer Linehan, M. S. (May 2007) – University of Georgia
 - Employed by Jones Ecological Research Center, Newton, GA – Coordinator
 - Janet Forest, MFR (May 2007) – University of Georgia
 - Employed by Valdosta State University – Biology Instructor
 - Katherine Mordecai (In progress) – University of Georgia
 - Employed by US Forest Service, Athens, GA
 - Chris Winchester, M. S. (August 2007) – University of Georgia
 - Employed by Yulista Management Co. (consultants) on Sonoran Pronghorn Antelope Recovery Project, AZ – Research Technician
 - Danny Gammons, M.S. (December 2006) – University of Georgia
 - Recipient of UGA University-Wide Assistantship
 - Ph.D. student, University of Tennessee, Knoxville
 - Stacey Vigil, MFR (August 2006) – University of Georgia
 - Recipient of UGA University-Wide Assistantship
 - Leif Stephens, MFR (May 2006) – University of Georgia
 - Employed by USDA Wildlife Services – Wildlife Biologist
 - Holly Rutledge, M.S. (August 2005) – University of Georgia
 - Employed by Gwinnett County School – Advanced Biology Teacher
 - Ph.D. student, UGA, College of Education
 - Odin Stephens, M.S. (May 2005) – University of Georgia
 - Co-advisor: Dr. K. V. Miller
 - Recipient of WSFR School-Wide Assistantship
 - Employed by USDA Wildlife Service – Wildlife Biologist
 - Daniel Green, M. S. (In progress) – University of Georgia
 - Co-advisor: Dr. S. B. Castleberry
 - Talmedge Robinson, MFR (In progress) – University of Georgia
 - Parker Barnett (In progress) – University of Georgia
 - Committee Member
 - Charles Killmaster, completed December 2005 – University of Georgia
 - Liberty Moore, completed May 2004 – University of Georgia

g. Editorship or editorial board member of journals or other learned publications

- Associate Editor – Wildlife, Southern Regional Extension Forest Resources Publication Series. Peer-reviewed online publication system of Cooperative Extension Service-Southern Region – 2004 to present

- Moderator, TWS Annual Conference, Burlington, VT - 2003
- Reviewer for TWS Annual Conference – 1999, 2003
- Guest Editor for the regional journal *Southeastern Naturalist* – 2003
- Reviewer for the international journal *Animal Biodiversity and Conservation* (Spain) – 2002
- Reviewer for the international journal *Journal of Forest Research* (Japan) - 2005
- Reviewer for the national journal *American Midland Naturalist* – 2003, 2004, 2006
- Reviewer for the national journal *Human-Wildlife Conflicts* – 2005, 2006
- Reviewer for the regional journal *Southern Journal of Applied Forestry* - 2006
- Reviewer for the regional journal *Southeastern Naturalist* – 2001, 2005, 2006
- Reviewer for the regional journal *Northeastern Naturalist* - 2004
- Reviewer for the regional journal *Banisteria* – 1998, 1999, 2003, 2004, 2006
- Reviewer for the regional journal *Estuaries* – 1989
- Reviewer for *Proceedings of the Southeastern Association Fish and Wildlife Agencies* - 1990-1994, 1998, 1999, 2001, 2002, 2005, 2006
- Reviewer for Southeastern Association Fish and Wildlife Agencies Best Paper Award Committee – 2004, 2005, 2006
- Reviewer for Technical Publication of Georgia DNR, Wildlife Resources Division – 2004

h. Convention Papers (Conference Presentations)

- Gammons, D. J., **M. T. Mengak**, and L. M. Conner. 2006. Home range and habitat use of nine-banded armadillos in southwest Georgia. Semi-Annual Meeting, Georgia Chapter – TWS, Flinchum’s Phoenix, Athens, GA.
- Winchester, C., S. B. Castleberry, and **M. T. Mengak**. 2006. Preliminary population estimates and macro-habitat study for the endangered Key Largo Woodrat (*Neotoma floridana smalli*). Semi-Annual Meeting, Georgia Chapter – TWS, Charlie Elliott Wildlife Center, Mansfield, GA.
- Gammons, D. J., **M. T. Mengak**, and L. M. Conner. 2006. Home range and habitat use of nine-banded armadillos in southwest Georgia. The Wildlife Society 13th Annual Conference, Anchorage, Alaska.
- Rutledge, H. E. B. McDonald, **M. T. Mengak**, and K. Beshears. 2006. EUGENE: An evaluation tool for nonformal environmental education. Presented at 2006 Georgia EEA conference, Macon, GA 17-18 March 2006.
- Winchester, C., S. B. Castleberry, and **M. T. Mengak**. 2006. Preliminary population estimates and macro-habitat study for the endangered Key Largo Woodrat (*Neotoma floridana smalli*). Colloquium on the Conservation of Mammals in the Southeastern United States, Chattanooga, TN.
- Linehan, J. M., **M. T. Mengak**, S. B. Castleberry, and D. A. Miller. 2005. Vicksburg National Military Park Bat Survey-Preliminary Results. 2nd Annual Mississippi Bat Working Group Summer Mist Net Event, Morton, MS 20-22 June 2005.
- * **M. T. Mengak**. 2005. An evaluation of forage production, utilization by white-tailed deer (*Odocoileus virginianus*), and seasonal crude protein levels in three cool season forages in Georgia. Proceedings of the Annual Conferences Southeastern Association of Fish and Wildlife Agencies. St. Louis, MO. November 2005.

- * **Mengak, M. T.** 2005. Georgia Master Naturalist Survey Results. 1st National Master Naturalist Annual Conference, Estes Park, CO. September 2005.
- * **Mengak, M. T.** 2005. Wildlife damage management training program in Georgia. 1st Annual Symposium, Jack H. Berryman Institute, Logan, UT.
- * Stephens, O. L., **M. T. Mengak**, G. R. Gallagher, D. Osborn, and K. V. Miller. 2005. Efficacy of Milorganite® as a repellent to protect ornamental and agronomic plants from deer over-browsing. 11th Wildlife Damage Management Conference, Traverse City, MI.
- Mengak, M. T.** 2003. The Warnell School's international wildlife conservation course in South Africa. Annual Meeting Georgia Chapter, The Wildlife Society, Toccoa Falls State Park, Toccoa, GA. May 2003.
- * **Mengak, M. T.** 2003. Wildlife damage management education needs: Survey of Georgia county FASAT agents. 10th Wildlife Damage Management Conference, Hot Springs, AR. April 2003
- * **Mengak, M. T.** and D. I. Hall. 2003. Wildlife damage management class and curriculum at the University of Georgia. 10th Wildlife Damage Management Conference, Hot Springs, AR. April 2003
- * **Mengak, M. T.** and S. B. Castleberry. 2002. Wildlife issues and opportunities. 2002 Slash Pine Symposium, Jekyll Island, GA.
- Sausville, D., P. D. Keyser, **M. T. Mengak**, W. M. Ford, D. J. Schwab. 2001. Impacts of seasonal prescribed fire in an oak-shelterwood system on small mammals. Annual Winter Meeting, Virginia Chapter-TWS. Richmond, VA.
- Annual Colloquium on Conservation of Mammals in the Southeastern United States. Guntersville State Park, AL.

* Presentations marked with asterisk had abstract published in conference proceedings.

i. Posters

- Mengak, M. T.** and S. Vigil. 2006. The past 25 years of SEAFWA Proceedings: A retrospective look at the wildlife sessions. Poster presented at the Annual Conference SE Association of Fish and Wildlife Agencies. Norfolk, VA.
- Winchester, C. P., S. B. Castleberry, and **M. T. Mengak**. 2006. Population estimates and macro-habitat study for the endangered Key Largo woodrat. Poster presented at The Wildlife Society 13th Annual Conference, Anchorage, Alaska.
- Linehan, J. M. and **M. T. Mengak**. 2006. Mammals of Vicksburg National Military Park: Preliminary Results. Poster presented at Annual Meeting of South Atlantic Cooperative Ecosystem Study Unit (CESU), Clemson University, Clemson. March 2006.
- Gammons, D. J., **M. T. Mengak**, and L. M. Conner. 2005. Evaluation of attractants for live-trapping nine-banded armadillos. Poster presented at 11th Wildlife Damage Conference, Traverse City, Michigan.
- Stephens, O. L., **M. T. Mengak**, G. R. Gallagher, D. A. Osborn, and K. V. Miller. 2004. Efficacy of Milorganite® as a repellent to protect ornamental and agronomic plants from deer over-browsing. Poster presented at 2004 Annual Conference of The Wildlife Society, Calgary, British Columbia, Canada.

Castleberry, S. B., N. L. Castleberry, W. M. Ford, P. B. Wood, T. L. King, and **M. T. Mengak**. 2002. Allegheny woodrat research on the Westvaco Ecosystem Research Forest: A summary of investigations on a candidate species (1997-2002). Poster presented at 2002 Westvaco Wildlife Research Cooperators Symposium, Charleston, WV.

* Posters are peer reviewed before acceptance at Conference.

4. PUBLIC SERVICE

a. Publications and Reports Public Service and Outreach Publications

1. Extension Book Chapters (peer reviewed)

- Mengak, M. T.** 2007. Vertebrate Pest Control. Pages 19 and 686-689 *in* 2007 Georgia Pest Control Handbook - Commercial Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA. Special Bulletin 28.
- Mengak, M. T.** 2007. Vertebrate Pest Control. Pages 143-146 *in* 2007 Georgia Pest Control Handbook – Homeowner Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA. Special Bulletin 39.
- Mengak, M. T.** 2006. Vertebrate Pest Control. Pages 667-674 *in* 2006 Georgia Pest Control Handbook - Commercial Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA. Special Bulletin 28.
- Mengak, M. T.** 2006. Vertebrate Pest Control. Pages 199-206 *in* 2006 Georgia Pest Control Handbook – Homeowner Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA. Special Bulletin 39.
- Mengak, M. T.** 2005. Vertebrate Pest Control. Pages 607-613 *in* 2005 Georgia Pest Control Handbook - Commercial Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA. Special Bulletin 28.
- Mengak, M. T.** 2005. Vertebrate Pest Control. Pages 184-190 *in* 2005 Georgia Pest Control Handbook - Homeowner Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA. Special Bulletin 39.
- Mengak, M. T.** 2004. Nuisance Wildlife. Pages 387-416 *in* Georgia Master Gardeners Handbook, Georgia Cooperative Extension Service, CES Handbook 2.
- Mengak, M. T.** 2004. Vertebrate Pest Control. Pages 191-197 *in* 2004 Georgia Pest Control Handbook - Homeowner Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA.
- Mengak, M. T.** 2004. Vertebrate Pest Control. Pages 661-667 *in* 2004 Georgia Pest Control Handbook - Commercial Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA.
- Mengak, M. T.** 2003. Vertebrate Pest Control. Pages 179-185 *in* 2003 Georgia Pest Control Handbook - Homeowner Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA.
- Mengak, M. T.** 2003. Vertebrate Pest Control. Pages 603-609 *in* 2003 Georgia Pest Control Handbook - Commercial Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA.

Mengak, M. T. 2002. Vertebrate Pest Control. Pp.179-185 in 2003 Georgia Pest Control Handbook - Homeowner Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA.

Mengak, M. T. 2002. Vertebrate Pest Control. Pp.603-609 in 2003 Georgia Pest Control Handbook - Commercial Edition. P. Guillebeau, editor. University of Georgia Coop. Ext. Service, Athens, GA.

2. Extension Bulletins (peer refereed)

Mengak, M. T. 2004. Dealing with Nuisance Wildlife. Extension Bulletin Number 1248. Georgia Cooperative Extension Service, Athens, GA. 12 pages.

3. Extension Circular (peer refereed)

Mengak, M. T. 2006. Chipmunk Control. Georgia Cooperative Extension Service, Circular 910. 2 pages.

Gammons, D. J., **M. T. Mengak**, and L. M. Conner. 2005. Evaluation of attractants for live-trapping nine-banded armadillos. Cooperative Extension Service, College of Agricultural and Environmental Sciences Circular 889-3. 4 pages.

Stephens, O. L., **M. T. Mengak**, D. Osborn, and K. V. Miller. 2005. Using Milorganite® to temporarily repel white-tailed deer from food plots. Cooperative Extension Service, College of Agricultural and Environmental Sciences Circular 889-2. 4 pages.

Stephens, O. L., **M. T. Mengak**, G. Gallagher, and K. V. Miller. 2005. Using Milorganite® to repel white-tailed deer from flowering perennials. Cooperative Extension Service, College of Agricultural and Environmental Sciences Circular 889-1. 5 pages.

Mengak, M. T. 2005. Nine-banded armadillo (*Dasyurus novemcinctus*). Cooperative Extension Service, College of Agricultural and Environmental Sciences Circular 866-2. 7 pages.

Mengak, M. T. 2003. Copperhead (*Agkistrodon contortrix*). University of Georgia Cooperative Extension Service, College of Agricultural and Environmental Sciences Circular 866-1. 5 pages.

Mengak, M. T. 2002. Snakes and Their Control. Georgia Cooperative Extension Service, Circular 909. 3 pages.

4. Extension Leaflets (peer refereed)

Mengak, M. T. 2002. Rats and Mice: Get Them Out of Your House and Yard. Georgia Cooperative Extension Service, Leaflet No. 384. 6 pages.

5. Extension Programs and Continuing Education – AV Presentations

- Home Depot Nursery Certification Program and Training CD. Developed jointly with UGA Extension Horticulture Department for nationwide distribution to Home Depot employees.

- Nuisance Wildlife Management
- Make Your Land Pay
- Introduction to Wildlife Management
- Mammals of Georgia
- Backyard Wildlife Management
- Attracting Deer and Turkey to Forest Land
- Selected Snakes of North America (with Erin Ervin)

6. WSNR - Natural History Series (peer reviewed)

6a. Author

- Vigil, S. and **M. T. Mengak**. 2006. American Toad (*Bufo americanus*). WSNR Natural History Series No. 7. 6 pages.
- Mengak, M. T.** 2005. Nine-banded armadillo (*Dasypus novemcinctus*). WSNR Natural History Series No. 4. 8 pages.
- Mengak, M. T.** 2005. Georgia Master Naturalist Program – 2004 Satisfaction Survey. WSNR Natural History Series No. 3. 7 pages.
- Mengak, M. T.** 2002. Key to the adult terrestrial mammals of the Southeastern United States. WSNR Natural History Series No. 2. 12 pages.
- Mengak, M. T.** 2001. Copperhead. WSNR Natural History Series No. 1. 5 pages.

6b. Editor

- Vigil, S. 2006. Brown Watersnake (*Nerodia taxispilota*). WSNR Natural History Series No. 5. 5 pages.
- Vigil, S. 2006. Brown Anole (*Anolis sagrei, Norops sagrei*). WSNR Natural History Series No. 6. 5 pages.

7. WSNR - Wildlife Management Series (peer reviewed)

7a. Author

- Mengak, M. T.** 2006. Food plots for deer on CRP pine and other sites. WSNR Wildlife Management Series No. 10. 7 pages.
- Mengak, M. T., O. L. Stephens, and K. V. Miller.** 2006. Forage production, deer use, and seasonal crude protein of three cool season forages in the Georgia Piedmont. WSNR Wildlife Management Series No. 9. 6 pages.
- Mengak, M. T., O. L. Stephens, and K. V. Miller.** 2006. Forage production, deer use, and seasonal crude protein of three cool season forages in the Georgia coastal plain. WSNR Wildlife Management Series No. 8. 6 pages.
- Mengak, M. T., O. L. Stephens, K. V. Miller, and K. E. Kammermeyer.** 2006. Forage production, deer use, and seasonal crude protein off three cool season forages in the Georgia mountains. WSNR Wildlife Management Series No. 7. 6 pages.

- Gammons, D. J., **M. T. Mengak**, and L. M. Conner. 2005. Evaluation of attractants for live-trapping nine-banded armadillos. WSFR Wildlife Management Series No. 4. 4 pages.
- Stephens, O. L., **M. T. Mengak**, G. Gallagher, and K. V. Miller. 2005. Using Milorganite® to repel white-tailed deer from ornamental plantings. WSFR Wildlife Management Series No. 3. 7 pages.
- Stephens, O. L., **M. T. Mengak**, D. Osborn, and K. V. Miller. 2005. Using Milorganite® to temporarily repel white-tailed deer from food plots. WSFR Wildlife Management Series No. 2. 6 pages.
- Mengak, M. T.** 2002. Food Plots – Common Plants. WSFR Wildlife Management Series No. 1. 4 pages.

7b. Editor

- McMellen, A. B., and S. H. Schweitzer. 2007. Comparisons of winter bird used in restored native grasslands and exotic pastures in the southeastern United States. WSFNR Wildlife Management Series No. 11. 7 pages.
- Cook, M. P., J. P. Carroll, D. A. Butler, R. G. Hamrick. 2006. Effects of habitat conservation efforts on northern bobwhite brood ecology. WSFNR Wildlife Management Series No. 6. 8 pages.
- Staller, E. L., J. P. Carroll, W. E. Palmer. 2006. Identifying predators and nest fates of northern bobwhites using near infrared 24-hr surveillance cameras. WSFNR Wildlife Management Series No. 5. 4 pages.

8. WSFNR – Web Publication Series (peer edited)

- Mengak, M. T.**, E. D. Dickens, C. W. Dangerfield, Jr., and D. J. Moorhead. 2005. Financial analysis of growing loblolly pine in a 33-year rotation, with wildlife food plot and hunting lease assumptions. WSFR Service and Outreach Publication Series No. 7. 12 pp.
<http://warnell.forestry.uga.edu/warnell/service/library/index.php3?docID=9>

9. UGA Georgia Center for Urban Agriculture – Fact sheets (peer reviewed) Copperhead -

<http://apps.caes.uga.edu/urbanag/Home&Garden/indexFS.cfm?storyid=2681>
Using Milorganite Ornamentals -

<http://apps.caes.uga.edu/urbanag/Home&Garden/indexFS.cfm?storyid=2682>
Using Milorganite Food Plots –

<http://apps.caes.uga.edu/urbanag/Home&Garden/indexFS.cfm?storyid=2689>
Armadillo - <http://apps.caes.uga.edu/urbanag/index.cfm?storyid=2685>

10. WSFNR – Wildlife Fact Sheets

Black Bear in Georgia – WSFNR Wildlife Fact Sheet No. 1 (March 2007)

Ruffed Grouse in Georgia – WSFNR Wildlife Fact Sheet No. 2 (March 2007)

b. Public Service and Outreach Activities

b1. National or Regional Presentations

| Month | Audience & Location | Role | Presentation | Attendance |
|--------------|---|-------------|---|-------------------|
| 2005 | | | | |
| September | National Master Naturalist Conference – Estes Park, CO | Speaker | Master Naturalist Program Summaries & Panel Discussion on Training & Curriculum | 120 |
| September | National Master Naturalist Conference – Estes Park, CO | Speaker | Georgia Master Naturalist Program | 120 |
| August | Berryman Institute 1 st Annual Symposium – Logan, UT | Speaker | Georgia’s Wildlife Damage Management Program | 70 |

b2. Landowner Meetings – State or Local

| Month | Audience & Location | Role | Presentation | Attendance |
|--------------|---|--------------------|-------------------------------|-------------------|
| 2006 | | | | |
| May | State FFA Teachers – State Arboretum, Braselton, GA | Invited Speaker | Mammals of Georgia | 25 |
| March | Master Gardener – Rome, Floyd Co. Ga | Invited Speaker | Nuisance Wildlife | 30 |
| February | Master Gardener – Cumming, Forsyth Co | Invited Speaker | Nuisance Wildlife | 34 |
| January | Master Gardener – Athens, Clark Co. | Invited Speaker | Nuisance Wildlife | 28 |
| 2005 | | | | |
| March | Piedmont Horticulture Association – Spartanburg, SC | Invited Speaker | Nuisance Wildlife Management | 42 |
| February | Master Gardeners - Athens, GA | Invited Instructor | Nuisance Wildlife and Gardens | 35 |
| January | Georgia Green Industry Council – Winter School - Athens, GA | Invited Speaker | Nuisance Wildlife Management | 40 |

| | | | | |
|-------------|--|---------------------|--|-----|
| 2004 | | | | |
| October | Peachtree Elementary Science Night -Decatur, GA | Invited Speaker | Mammals of Georgia | 40 |
| October | NE Georgia Cattlemen's Association - Clarksville, GA | Invited Speaker | Nuisance Wildlife | 75 |
| May | Georgia Master Naturalist Program - Athens, GA | Co-host and speaker | Wildlife Identification and Management | 25 |
| April | Georgia Master Naturalist Program - Athens, GA | Co-host and speaker | Ecology | 25 |
| March | Georgia Native Plant Symposium -Covington, GA | Keynote Speaker | Non-native and invasive plants and backyard wildlife | 30 |
| April | County Meeting – McDuffie County | Invited Speaker | Backyard and Nuisance Wildlife | 34 |
| 2003 | | | | |
| September | Georgia Agroforestry Field Day – Griffin, GA | Invited Speaker | Timber and Wildlife Management | 150 |
| April | Georgia Master Naturalist Program - Ludiwici, GA | Co-host and speaker | Wildlife Identification and Management | 18 |
| March | Georgia Master Gardener Course – Macon, GA | Invited Speaker | Nuisance Wildlife | 45 |
| February | Master Wildlife Video Program – Winder, GA | Panelist | | 44 |
| 2002 | | | | |
| September | County Meeting - Winterville, GA | Invited Speaker | Nuisance Wildlife Trapping | 15 |
| May | East District County Agent Training Warnell Forest Education Center - Guyton, GA | Invited Speaker | Pine Plantation Management for Wildlife | 24 |
| April | Georgia Master Naturalist Program - Effingham Co., GA | Co-host and Speaker | Wildlife Identification and Management | 31 |
| March | County Meeting –Washington, GA | Invited Speaker | Making Your Land Pay | 30 |
| March | County Meeting –Georgetown, GA | Invited Speaker | Deer and Turkey Management | 25 |

c. County Agent Training

- o 2006
 - Winter Conference - Program: *Wildlife Management* 44 agents
- o 2005

| | |
|--|-----------|
| SE District, ANR Training – S. Georgia College, Douglas, GA | 45 agents |
| Program: <i>Wildlife Damage Control</i> | |
| SE District, ANR Training – S. Georgia College, Douglas, GA | 45 agents |
| Program: <i>Wildlife Income Opportunities</i> | |
| Winter School - Training cancelled by University | |
| ○ 2004 | |
| Winter School - Program: <i>Backyard Wildlife</i> | 19 agents |
| Winter School - Program: <i>Nuisance Wildlife</i> | 21 agents |
| ○ 2003 | |
| Winter School - Program: <i>Mammals of Georgia</i> | 11 agents |
| Winter School - Program: <i>Backyard Wildlife</i> | 27 agents |
| Winter School - Program: <i>Introduction to Wildlife Management</i> | 24 agents |
| ○ 2002 | |
| Winter School - Program: <i>Mammals of Georgia.</i> | 14 agents |
| July, 2002 - National Association of County Agriculture Agents (NACAA) Forestry/Wildlife Tour, Savannah, GA | 50 agents |

5. OTHER SERVICE

a. Membership in Professional Organizations

The Wildlife Society, since 1977
Jim McDonough Awards Committee, 2003-2004
Wildlife Damage Working Group since 2001
- nominated for Secretary/Treasurer, 2005
Southeastern Section, since 1978
Best Wildlife Paper Awards Committee, 2004- 2005
Nongame and Endangered Species Committee, 1989-1999
Editor, Southeastern Section Newsletter, 1991-1993
Georgia Chapter, since 2001
Member-at-Large, 2003-2004
- nominated for President, 2005
Virginia Chapter, 1987-2001
Past President, 1999; President, 1998;
President-elect, 1997; Vice-President, 1996
Conservation Affairs Committee, 1990-1993;
Awards Committee, 1990-1991
Membership Committee, 1989
Clemson Student Chapter, 1979-1982
Vice-President, 1980; Conclave Quiz Bowl Team, 1981
Virginia Tech Student Chapter
Member 1977-1979
American Society of Mammalogists, since 1979
Association of Natural Resource Extension Professionals, since 2001
Virginia Academy of Science, since 1989

Chair, Biology Section, 1998; Vice-Chair, Biology Section, 1997; Secretary, Biology Section, 1996

b. Membership in Honor Societies

Gamma Sigma Delta

- Clemson University Chapter - Inducted 1984
- University of Georgia Chapter – President (2005-2006), Vice-President (2004-2005), Secretary (2003-2004), Treasurer (2002-2003)

Xi Sigma Pi

Clemson University Chapter - Inducted 1980

c. State, Regional and National Service

National

4-H Wildlife Stewards/Master Science Educators Board Oregon State 4-H
Southeastern Representative (2002-2004)

Regional

Master Tree Farmer/Master Wildlifer Committee- GA Representative
(2003-2005)

State

Georgia Master Naturalist, State Program Committee, Chair (2002-2003)
Georgia Forestry/Wildlife Education Committee (2003-2005)
– Outreach for Traditionally Underserved Audiences
Billy Lancaster Forestry Youth Camp – Advisory Board (2004-2006)

d. Meetings Attended

National

The Wildlife Society Conference - 1996, 2001-2006
Biennial Wildlife Damage Management Conference – 2003, 2005
Jack H. Berryman Institute – 1st Annual Symposium - 2005
The National Master Naturalist Annual Conference – 2005

Regional

Annual Conference, Southeastern Association of Fish and Wildlife Agencies -
1980, 1982, 1983, 1985, 1988-1993, 1998, 1999, 2001, 2002, 2005
Deer Study Group Meeting, Southeastern Section, TWS - 1982, 1983, 2002-2004
Colloquium on the Conservation of Southeastern Mammals - 1995, 1999, 2002,
2003

State

Georgia Chapter-The Wildlife Society
Annual Winter Meeting, 2001, 2003, 2005, 2006
Annual Summer Meeting, 2001-2005

e. Meetings Hosted

- 14th Colloquium on the Conservation of Mammals in the Southeastern United States, Helen, GA. 2-day meeting, February 2004.
9th Annual Meeting of the Southeastern Bat Diversity Network, Helen, GA. 2004.

f. Workshops Conducted

University of Georgia

- Pond Management – Landowners and Consultants – Flinchum’s Phoenix, Athens, GA. August 16, 2006; Attendance 42.
FASAT V – Wildlife Issues and Opportunities.
Attended by 66 GA County A&NR Agents, Flinchum’s Phoenix, Athens, GA. April 1-3, 2003.
Wildlife Ecology and Management for Agriculture Education Teachers – Warnell Forest Education Center, Guyton, GA. Attended by 18 GA High School Agricultural Education Teachers, June 16-19, 2002.

g. Workshops Attended

- GIS and Remote Sensing for Wildlife Managers. April 16-20, 2001.
Sponsored by the Smithsonian Institute, Conservation and Research Center, Front Royal, VA.

h. College and University Service

1. University of Georgia

- University Committee
Facilities Committee – 2004-2006.
School of Forestry and Natural Resources Committees
Curriculum Committee – 2005, 2006
Administrative Committee - 2006
Ad-hoc Committee for Service and Outreach – 2004-2006 (member); Chair (2006-2007).
Search Committee
- Wildlife Disease Faculty (2006).
- Service and Outreach Faculty (2006).
Seminar Committee – 2001-2004.
FASAT – V Training Program – 2003 (chair).
Student Activities
Warnell School of Forest Resources Graduate Student Seminar (judge) – 2003; 2005
UGA Freshman Summer Orientation Fair – 2003, 2004
UGA Student Chapter – The Wildlife Society, co-advisor – 2002-2006

i. Community Service

1. University of Georgia

Gamma Sigma Delta – Honor Society of Agriculture–Executive Board-2002-2006.
The Wildlife Society – UGA Student Chapter-Co-Advisor-2002-2006

Graduate Student Theses

Winchester, Christopher

August 2007 - Master of Science, Wildlife Ecology and Management

Thesis: “Ecology and management of the endangered Key Largo woodrat (*Neotoma floridana smalli*)”

Linehan, Jennifer M.

May 2007 – Master of Science, Wildlife Ecology and Management

Thesis: “Mammal inventory of Vicksburg National Military Park, Vicksburg, MS”

Gammons, Daniel J.

December 2006 – Master of Science, Wildlife Ecology and Management

Thesis: “Radio-telemetry studies of armadillos in southwest Georgia”

Rutledge, Holly Eve

August 2005 – Master of Science, Wildlife Ecology and Management

Thesis: “The use of ecological principles as the basis of a nonformal Environmental education evaluation tool”

Stephens, Odin Lee

May 2005 – Master of Science, Wildlife Ecology and Management

Thesis: “An evaluation of three cool-season perennial forages for white-tailed deer and efficacy of Milorganite to protect agronomic and ornamental plants from deer damage”

CURRICULUM VITAE

2007

Academic History

Name: Karl V. Miller
Present Rank: Professor
Address: Warnell School of Forest Resources
The University of Georgia
Athens, GA 30602
Appointment: 40% Teaching; 60% Research
Tenure Status: tenured
Graduate Faculty Status: Member since December 1990
Adjunct appointments: Adjunct Associate Professor, Department of Forestry,
Clemson University
Areas of Specialization: Physiology, behavioral ecology, and habitat requirements
of cervids with emphasis
on white-tailed deer.
Wildlife habitat and population responses to forest management
practices

Educational History

Doctor of Philosophy in Forest Resources; University of Georgia; December 1985
Dissertation Title: 'Social and biological aspects of signpost communication in
white-tailed deer.'
Master of Science in Entomology; The Ohio State University; May 1981
Thesis Title: 'The biology, host preference, and functional response of Atheta
coriaria (Kraatz) (Coleoptera: Staphylinidae).'

Bachelor of Science in Entomology; The Pennsylvania State University; May 1979

Resident Instruction

Resident Undergraduate Instruction

Dr. Miller was employed at the School of Forest Resources specifically to teach a course entitled Managing Forests for Wildlife and Diversity (currently Management of Wildlife Habitats - FORS 4300). This course requires an instructor possessing broad training and experience in vertebrate natural history, wildlife habitat requirements, and forest management practices, along with expertise in agronomy, wetland management, forest policy, and landscape ecology. Dr. Miller also is a lead instructor in Senior Project in Forest Resources Management (FORS

4730), a co-taught, advanced problems course in integrative forest management, which likewise requires extensive interdisciplinary skills.

Other Contributions to Resident Undergraduate Instruction

Dr. Miller regularly serves as an advisor or committee member for students enrolled in FORS 4730 (Senior Project) and FORS 4750 (Senior Thesis) during semesters when he is not serving as a lead instructor. In addition, he has provided invited lectures in FRS 170, FRS 401, FRS 491, and FRS 531. Dr. Miller also provides numerous undergraduate students with non-classroom educational opportunities including volunteer experience on research projects, non-course field trips, and paid internships/technician positions.

Academic Advising of Undergraduate Students

Each year, Dr. Miller serves as an academic advisor to 12-18 undergraduate students in the Wildlife Management Major in the School of Forest Resources.

Resident Graduate Instruction

Dr. Miller serves as coordinator of FORS 8300 (Fisheries and Wildlife Seminar) and has taught the course on several occasions. One course taught by Dr. Miller (Management of Wildlife Habitats) has both graduate and undergraduate sections.

Supervision of Student Research

Dr. Miller has served as a thesis advisor for >30 Master of Science students, and currently serves as advisor for an additional 7 students. Dr. Miller has served as dissertation advisor for 8 Ph.D. students, and currently serves as advisor for 5 additional students.

Graduate Advisor, Master of Science Students since 2000

| <u>Student</u> | <u>Date matriculated</u> | <u>Co-advisor</u> |
|----------------------|--------------------------|-------------------|
| Lee, James | 2000 | |
| Dasher, Karen | 2000 | |
| Welch, Jay | 2000 | |
| Owen, Sheldon | 2000 | B. R. Chapman |
| Senecal, Guinn | 2001 | |
| Constantine, Niki | 2001 | |
| D'Angelo, Gino | 2003 | |
| Mihalco, Rebecca | 2004 | S. Castleberry |
| Schirmacher, Michael | current | S. Castleberry |
| Kilmaster, Charles | 2005 | R. J. Warren |
| Meares, Jeremy | 2005 | R. J. Warren |
| Stephens, Odin | 2005 | M. Mengak |
| Morse, Brian | current | |
| Kolodzinski, Jeffrey | current | |

| | | |
|----------------------|---------|--------------|
| Schrecengost, Joshua | current | |
| Perry, Kevin | current | |
| Valitzski, Sharon | current | R. J. Warren |
| Vanguilder, Cory | current | |

Dr. Miller has served on an additional >30 Master of Science committees

Graduate Advisor, Ph.D. Students since 2000

| <u>Student</u> | <u>Date matriculated</u> | <u>Co-advisor</u> |
|--------------------|--------------------------|-------------------|
| Hellickson, Mickey | 2002 | |
| Campbell, Tyler | 2003 | |
| Laseter, Benjamin | 2004 | |
| Simmons, Robert | current | R. Daniels |
| Comer, Christopher | 2004 | |
| Miller, Brad | current | |
| Hein, Cris | current | S. Castleberry |
| Hohman, Doug | current | S. Castleberry |
| D'Angelo, Gino | current | R. J. Warren |

Dr. Miller has served on an additional >10 Ph. D. committees (2 PhD at Clemson Univ. - adjunct status)

Scholarly Activites (since 2001)

Publications (listed in chronological order by category)

Authored or Co-authored Books since 2001

Miller, J. J. and K. V. Miller. 2005. Forest Plants of the Southeast and their wildlife uses. Revised Edition. University of Georgia Press, Athens, GA 454 pp.

McDonald, J.S. and K. V. Miller. 2004. A history of white-tailed deer restocking in the United States. 1878-2004. Quality Deer Management Association, Watkinsville, GA. 111 pp.

Miller, J. J. and K. V. Miller. 2001. CD VERSION OF: Forest Plants of the Southeast and their wildlife uses. Southern Weed Science Society.

Edited or Co-edited Books since 2001

Kammermeyer, K. E., K. V. Miller, and L. Thomas. 2006. Quality Food Plots: Your guide to better deer and better deer hunting. Quality Deer Management Association, Athens, GA.

Chapters in Books and Book Contributions (all invited chapters) since 2001

Miller, K. V. 2006. White-tailed deer nutrition. Pages 12-27 in: K. E. Kammermeyer, K. V. Miller and L. Thomas (eds.). Quality Food Plots. Quality Deer Management Association, Athens, GA.

Kammermeyer, K. E. and K. V. Miller. 2006. Special considerations. Pages 136-149 in: K. E. Kammermeyer, K. V. Miller and L. Thomas (eds.). Quality Food Plots. Quality Deer Management Association, Athens, GA.

Kammermeyer, K. E., and K. V. Miller. 2006. Selecting the appropriate planting. Pages 110-121 in: K. E. Kammermeyer, K. V. Miller and L. Thomas (eds.). Quality Food Plots. Quality Deer Management Association, Athens, GA.

Miller, K. V., L. Muller, and S. Demarais. 2003. White-tailed Deer. Pages 906-930 in: G. A. Feldhamer, B. C. Thompson, and J. A. Chapman (eds.). Wild Mammals of North America, 2nd ed., John Hopkins University Press, Baltimore, MD

Miller, K. V. 2002. Deer talk with their noses! Pgs. 14-17 in: R. R. Wenning (ed.). Pennsylvania Deer and Their Horns. Wennawoods Publishing, Lewisburg, PA.

Miller, K. V. 2001. White-tailed Deer. Pages 95-107 in: J. G Dickson (ed.). Wildlife of Southern Forests: Habitat and Management, Hancock House Publishing, Blaine, WA.

Journal Articles (peer reviewed) since 2001

Miller, D. L., J. Schrecengost, and K. V. Miller. Ruptured aortic aneurysm associated with canine heartworm (*Dirofilaria immitis*) infection in a coyote (*Canis latrans*) from South Carolina. Journal of Wildlife Diseases (in press)

Muller, L. I., D. A. Osborn, E. C. Ramsay, T. Doherty, B. F. Miller, R. J. Warren, and K. V. Miller. Comparison of xylazine/ketamine to medetomidine combined with either ketamine, ketamine/butorphanol, or ketamine/telazol for immobilization of white-tailed deer. Journal of Zoo and Wildlife Medicine (in press)

Hellickson, M. W., T. A. Campbell, K. V. Miller, R. L. Marchinton, and C. A. DeYoung. Seasonal ranges and fidelity of adult male white-tailed deer in southern Texas. Southwestern Naturalist (in press).

Killmaster, C. H., R. J. Warren, K. V. Miller, and D. A. Osborn. Deer and understory plant responses to a large-scale herd reduction on a Georgia state park. Natural Areas Journal (in press).

D'Angelo, G. J., A. R. De Chicchis, D. A. Osborn, G. R. Gallagher, R. J. Warren, and K. V. Miller. 2007. Hearing range of white-tailed deer as determined by auditory brainstem response. *Journal of Wildlife Management* (in press)

Killmaster, C. H., R. J. Warren, D. A. Osborn, and K. V. Miller. Spatial and temporal responses of deer to traffic on a Georgia state park. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* (in press).

Meares, J., B. P. Murphy, C. Ruth, R. J. Warren, K. V. Miller, and D. A. Osborn. An objective, quantitative evaluation of the Severinghaus method for estimating age of white-tailed deer. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* (in press).

Mathiason, C. K., J. G. Powers, S. J. Dahmes, D. A. Osborn, K. V. Miller, R. J. Warren, G. L. Mason, S. A. Hays, J. Hayes-Klug, D. M. Seeling, M. A. Wild, L. L. Solfe, T. R. Spraker, M. W. Miller, C. J. Sigurdson, G. C. Telling, and E. A. Hoover. 2006. Infectious prions in the saliva and blood of deer with chronic wasting disease. *Science* 314:133-136.

Storms, T. N., J. Schumacher, N. Zagaya, D. A. Osborn, K. V. Miller, and E. C. Ramsay. 2006. Effects of ketamine on an optimal dosage of carfentanil and zylazine for immobilization of white-tailed deer (*Odocoileus virginianus*). *Journal of Zoo and Wildlife Medicine*.37(3):347-353

Campbell, T. A., C. A. Langdon, B. R. Laseter, W. M. Ford, J. W. Edwards, and K. V. Miller. 2006. Movement of female white-tailed deer to bait sites in the central Appalachians. *Wildlife Research* 33:1-4.

D'Angelo, G. J., J. G. D'Angelo, G. R. Gallagher, D. A. Osborn, K. V. Miller, and R. J. Warren. 2006. Ineffectiveness of wildlife warning reflectors for altering white-tailed deer roadside behavior. *Wildlife Society Bulletin* (accepted)

Constantine, N. L., T. A. Campbell, W. M. Baughman, T. B. Harrington, B. R. Chapman, and K. V. Miller. 2005. Small mammal distribution relative to corridor edges within intensively managed southern pine plantations. *Southern Journal of Applied Forestry* 29(3):148-151.

Storms, T. N., J. Schumacher, N. Zagaya, D. A. Osborn, K. V. Miller, and E. C. Ramsay. 2005. Determination and evaluation of an optimal dosage of carfentanil and zylazine for the immobilization of white-tailed deer (*Odocoileus virginianus*). *J. Wildl. Dis.* 41:559-568.

Stephens, O. L., M. T. Mengak, K. E. Kammermeyer, and K. V. Miller. 2005. Forage production, use by white-tailed deer (*Odocoileus virginianus*), and seasonal crude protein level of three cool-season forages in Georgia. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 59:66-78 (published in 2006).

Bubenik, G. A., K. V. Miller, A. L. Lister, D. A. Osborn, L. Bartos, and G. J. Van Der Kraak. 2005. Testosterone and estradiol concentrations in serum, velvet skin and growing antler bone of male white-tailed deer. *J. Exp. Zool.* 303A: 186-192.

Hein, C. D., S. B. Castleberry, and K. V. Miller. 2005. Winter roost -site selection by Seminole bats in the lower Coastal Plain of South Carolina. *Southeastern Naturalist* 4(3):473-478.

Campbell, T. A., B. R. Laseter, W. M. Ford, and K. V. Miller. 2006. Abiotic factors influencing white-tailed deer browsing in West Virginia. *Northern Journal of Applied Forestry* 22(4): in press.

D'Angelo, G. J., C. E. Comer, J. C. Kilgo, C. Drennan, D. A. Osborn, and K. V. Miller. 2004. Daily movements of female white-tailed deer relative to parturition and breeding. *Proceedings of the Southeastern Association of Fish and Wildlife Agencies.* 58:292-301 (published in 2005).

Comer, C. E., J. C. Kilgo, G. J. D'Angelo, T. C. Glenn, and K. V. Miller. 2005. Fine-scale genetic structure and social organization in female white-tailed deer. *Journal of Wildlife Management* (69(1):332-344.

Constantine, N. L., T. A. Campbell, W. M. Baughman, T. B. Harrington, B. R. Chapman, and K. V. Miller. 2004. Effects of clearcutting with corridor retention on abundance, richness, and diversity of small mammals in the Coastal Plain of South Carolina. *Forest Ecology and Management* 202: 293-300.

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Campbell, T. A., B. R. Laseter, W. M. Ford, and K. V. Miller. 2005. Population characteristics of a central Appalachian white-tailed deer herd. *Wildlife Society Bulletin* 33(1):212-221.

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Campbell, T. A., B. R. Laseter, W. M. Ford, and K. V. Miller. 2004. Unusual white-tailed deer movements to a gas well in the central Appalachians. *Wildlife Society Bulletin* 32(3):983-986.

Welch, J. R., K. V. Miller, W. E. Palmer, and T. B. Harrington. 2004. Response of understory vegetation important to Northern Bobwhite following herbicide and mechanical treatments. *Wildlife Society Bulletin* 32(4): 1071-1076.

Miller, B. F., L. I. Muller, T. Doherty, D. A. Osborn, K. V. Miller, and R. J. Warren. 2004. Effectiveness of antagonists for tiletamine-zolazepam/xylazine immobilization in female white-tailed deer. *J. Wildl. Dis.* 40(8): 147-151.

Miller, K. V. and J. H. Miller. 2004. Forestry herbicide influences on biodiversity and wildlife habitat in southern forests. *Wildlife Society Bulletin* 32(4):1049-1060. (invited journal paper).

Bartos, L., K. V. Miller, and D. A. Osborn. 2004. Relationship between dominance and antler cycle in white-tailed deer (*Odocoileus virginianus*). *Acta Theriologica.* 49:517-525.

Owen, S. F., M. A. Menzel, W. M. Ford, J. E. Edwards, J. M. Menzel, B. R. Chapman, P. B. Wood, and K. V. Miller. 2004. Bat activity in harvested and intact forest stands in the Allegheny Mountains. *Northern J. Appl. For.* 21(3):154-159.

Owen, S. F., M. A. Menzel, W. M. Ford, B. R. Chapman, K. V. Miller, J. E. Edwards, and P. B. Wood. 2003. Home range size and habitat use of the Northern Myotis (*Myotis septentrionalis*). *Am. Midl. Nat.* 150(2):352-359.

Miller, B. F., K. A. Adams, L. I. Muller, T. N. Storm, E. C. Ramsay, D. A. Osborn, R. J. Warren, and K. V. Miller. 2003. A comparison of carfentanil/xylazine and telazol/xylazine for immobilization of white-tailed deer. *J. Wildl. Dis.* 39(4):851-858.

D'Angelo, G., J. C. Kilgo, C. E. Comer, C. D. Drennan, D. A. Osborn, and K. V. Miller. 2003. Effects of controlled dog hunting on the movements of white-tailed deer. *Proceedings of the Ann. Mtg. Southeast. Assoc. Fish and Wildl. Agencies* 57: 317-325 (published in 2004).

Carter, T. C., M. A. Menzel, B. R. Chapman, and K. V. Miller. 2003. Partitioning of food resources by syntopic Eastern red (*Lasiurus borealis*), Seminole (*L. seminolus*), and Evening (*Nycticeius humeralis*) bats. *Amer. Midl. Nat.* 151:186-191.

Alexy, K. J., K. J. Brunjes, J. W. Gassett, and K. V. Miller. 2003. Continuous remote monitoring of gopher tortoise (*Gopherus polyphemus*) burrow use. *Wildl. Soc. Bull.* 31(4): 1240-1243.

Sargent, R. A., J. C. Kilgo, B. R. Chapman, and K. V. Miller. 2003. Nesting ecology of Wood Thrush in hardwood forests of South Carolina. *Southeastern Naturalist* 2(2): 217-212.

Brunjes, K. J., K. V. Miller, W. M. Ford, and T. B. Harrington. 2003. Effects of thinning and herbicide application on vertebrate communities in longleaf pine plantations.

Proceedings of the Ann. Mtg. Southeast. Assoc. Fish and Wildl. Agencies 57: 252-267 (published in 2004).

Alexy, K. J., J. W. Gasset, S. M. Russell, D. A. Osborn, and K. V. Miller. 2003. Bacterial fauna of the tarsal tufts of white-tailed deer. *Amer. Midl. Nat.* 149(1):237-240.

Bartos, L., D. Vankova, K.V. Miller, and J. Siler. 2002. Interspecific competition between white-tailed, fallow, red, and roe deer. *J. Wildl. Manage.* 66(2):522-527.

Campbell, T. C., W. M. Ford, P. E. Hale, J. M. Wentworth, A. S. Johnson, and K. V. Miller. 2002. Nutritional value of yellow poplar flowers to deer in the Southern Appalachians. *Southeastern Naturalist* 1(4):425-432.

Kilgo, J. C., D. L. Gartner, B. R. Chapman, J. B. Dunning, K. E. Franzrab, S. A. Gauthreaux, C. H. Greenberg, D. J. Levey, K. V. Miller, and S. Pearson. 2002. Validation of a bird habitat-relationship model in South Carolina. *Wildl. Soc. Bull.* 30(3):783-793.

Menzel, M. A., S. F. Owen, W. M. Ford, J. W. Edwards, P. B. Wood, B. R. Chapman, and K. V. Miller. 2002. Roost tree selection of northern long-eared bat (*Myotis septentrionalis*) maternity colonies in an industrial forest of the central Appalachian Mountains. *For. Ecol. Manage.* 155: 107-114.

Owen, S. F., M. A. Menzel, W. M. Ford, J. W. Edwards, B. R. Chapman, K. V. Miller, and P. B. Wood. 2002. Roost tree selection by maternal colonies of long-eared myotis in an intensively-managed forest. U.S. Dept. Agric., Forest Service, General Technical Report NE-292, 6pp.

Owen, S. F., M. A. Menzel, W. M. Ford, B. R. Chapman, J. Edwards, P. Wood, and K. V. Miller. 2001. First summer record of female Indiana myotis, *Myotis sodalis*, in West Virginia. *J. Elisha Mitchell Sci. Soc.* 117(2): 132-134.

Cochran, K. W., B. R. Chapman, K. V. Miller, and S. H. Schweitzer. 1999. Avian and small mammal communities on different successional stages of reclaimed kaolin mines in Georgia. *Proc. Ann. Conf., Southeast. Assoc. Fish and Wildl. Agencies.* 53: 464-475 (published in 2001).

Miller, K. V., B. R. Chapman, and K. K. Ellington. 2001. Amphibians in pine stands managed with growing-season and dormant-season prescribed fire. *J. Elisha Mitchell Sci Soc.* 117(1): 75-78.

Strickland, B. K., S. Demarais, L. E. Castle, J. W. Lipe, W. H. Lunceford, H. A. Jacobson, D. Frels, and K. V. Miller. 2001. Effects of selective-harvest strategies on white-tailed deer antler development. *Wildl. Soc. Bull.* 29(2): 509-520.

Alexy, K. J., J. W. Gasset, D. A. Osborn, and K. V. Miller. 2001. Remote monitoring of scraping behaviors of a wild population of white-tailed deer. *Wildl. Soc. Bull.* 29(3): 873-878.

Published Proceedings and Symposia since 2001
(* Indicates Peer Reviewed Publications)

Stephens, O. L., M. T. Mengak, G. R. Gallagher, D. Osborn, and K. V. Miller. 2005. Effectiveness of Milorganite® as a repellent to protect ornamental and agronomic plants from deer over-browsing. Pages 163-170 in D. L. Nolte and K. A. Fagerstone (eds). *Proceedings of the 11th Wildlife Damage Management Conference*, Traverse City, MI. (published in 2006)

D'Angelo, G. J., S. A. Valitzski, K. V. Miller, R. J. Warren, G. R. Gallagher, A. R. DeChicchis, and D. M. Jared. (2006). Thinking outside the marketplace: a biologically based approach to reducing deer-vehicle collisions. Pages 662-665. In *Proceedings of the 2005 International Conference on Ecology and Transportation*, C. L. Irwin, P. Garrett, and K.P. McDermott (eds.) . Center for Transportation and the Environment, North Carolina State University, Raleigh, N.C.

*Castleberry, S. B., W. P. Smith, W. M. Ford, and K. V. Miller. 2005. Herbivory and gap regeneration in southern bottomland hardwood forests. Pages 143-154 In: L. H. Fredrickson, S. L. King, and R. M. Kaminski (eds.). *Ecology and management of bottomland hardwood systems: the state of our understanding*. University of Missouri Press, Columbia, MO.

Miller, K. V. 2005. Forestry herbicides and wildlife habitat in southern forests. Pages 32-40. In: *Proceedings of the 25th Forest Vegetation Management Conference*, Redding, California (invited paper).

Simmons, R. P., T. B. Harrington, K. V. Miller, R. F. Daniels, M. B. Edwards, and K. L. Johannsen. 2003. Herbaceous vegetation and vertebrate species composition and change relative to spatial heterogeneity and crown closure in young longleaf pine stands. In: *Longleaf pine: a southern legacy rising from the ashes*. 4th Longleaf Alliance Conference, Southern Pines, NC.

Wigley, T. B., K. V. Miller, D. S. DeCalesta, and M. W. Thomas. 2002. Herbicides as an alternative to prescribed burning for achieving wildlife habitat objectives. Pgs. 124-138 in: W. M. Ford, K. R. Russell, and C. E. Moorman (eds.). *The Role of Fire in Nongame Wildlife Management and Community Restoration: Traditional uses and New Directions*. USDA Forest Service, Gen Tech. Rep. NE-288. (Invited Paper)

Welch, J. R., K. V. Miller, and W. E. Palmer. 2002. Response of vegetation important to Northern Bobwhites following chemical and mechanical treatments. Pg. 156 in S. J.

DeMaso, W. P. Kuvlesky, Jr., F. Hernandez, and M. E. Berger (eds.). Quail V, Proceedings of the 5th National Quail Symposium, Austin, TX.

Wigley, T. B., D. C. Guynn, Jr., K. V. Miller, and C. N. Owen. 2001. Wildlife in managed forests: the evolution of research in the South. Pgs. 1-11 in K. Johnsen, H. M. Rauscher, and W. G. Hubbard (eds.). Southern Forest Science Conference, U. S. Department of Agriculture, Forest Service, Atlanta, GA.

Technical Publications (non-refereed) since 2001:

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Osborn, D. A., K. V. Miller, and R. J. Warren. 2006. Topo maps for jawbones? Can topographical maps of teeth reveal a deer's true age? *Quality Whitetails* 13(4):40-46.

Mengak, M. T., O. L. Stephens, K. V. Miller, and K. E. Kammermeyer. 2006. Forage production, deer use, and seasonal crude protein of three cool season forages in the Georgia mountains. University of Georgia, School of Forest Resources, Wildlife Management Series No. 7. 6 pp.

Hein, C., S. B. Castleberry, and K. V. Miller. 2005. Seeking answers on bat habitat. *Forest Focus* 28:10-13 (winter 2005).

Stephens, O. L., M. T. Mengak, G. Gallagher, and K. V. Miller. 2005. Using Milorganite to repel white-tailed deer from ornamental plantings. University of Georgia, School of Forest Resources, Wildlife Management Series No. 3. 7 pp.

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Harrison, W. M., I. A. Moore, M. Draisma, G. I. Moore, and K. V. Miller. 2005. Observations on the reproductive behaviour of sambar deer (*Cervus unicolor unicolor*) in a brush enclosure in Victoria, Australia. *Australian Deer* 30(1): 35-38.

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Murphy, B., D. Stewart, S. Demarais, D. Bales, J. Hamilton, R. L. Marchinton, D. Wood, and K. V. Miller. 2002. Developing Successful Quality Deer Management Cooperatives. Quality Deer Management Association, Technical Publication. 10pp.

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Miller, K. V. 2003. Forward. In: C. A. Alderman, Habitat management with ATVs and compact equipment: a how to guide. LaSalle Group, Inc.

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Miller, K. V. 2003. Life of the White-tailed deer: Antler-casting Time. Ga. Outdoor News. Feb: 126-127.

Miller, K. V. 2003. Life of the White-tailed deer: How well do deer hear?. Ga. Outdoor News. Jan.. 120-121.

Miller, K. V. 2002. Life of the White-tailed deer: Georgia's varying rut peaks. Ga. Outdoor News. Dec., 120-121.

Miller, K. V. 2002. Life of the White-tailed deer: Day one...birth of a fawn. Ga. Outdoor News. June, 120-121.

Miller, K. V. 2002. Life of the White-tailed deer: The first months. Ga. Outdoor News July, 150-151.

Miller, K. V. 2002. Life of the White-tailed deer: The Magic of Antlers. Ga. Outdoor News. Aug., 164-165.

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Miller, K. V. 2002. Life of the White-tailed deer: The role of scrapes. Ga. Outdoor News. Oct., 134-135.

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Grants Received since 2001

Source: USDA Forest Service

Title: Seasonal changes in activity and roosting ecology of bats in relation to forested corridors

P.I.s: S. B. Castleberry and K. V. Miller

Amount: \$18,640 Duration: 2006-2007

Source: National Council for Air and Stream Improvement

Title: Evaluation of the effects of intensive pine plantation management on wildlife habitat quality 6 to 8 years post-establishment

P.I.s: S. B. Castleberry and K. V. Miller

Amount: \$169,020 Duration: 2007-2010

Source: Smith Newspapers

Title: Donation for "Coyote Research Program"

P.I.s: K. V. Miller

Title: Continued evaluation of the effects of intensive pine plantation management on wildlife habitat quality

P.I.s: S. B. Castleberry and K. V. Miller

Amount: \$159,480 Duration: 2004-2007

Source: USDA National Research Initiative

Title: Persistence of reduced herbivory in forest regeneration following localized management.

P.I.s: K. V. Miller, W. M. Ford, and T. A. Campbell

Amount: \$199,000 Duration: 2003-2005

Source: Georgia Department of Natural Resources, Div. Parks, Recreation, and Historic Sites

Title: Population Ecology of White-tailed Deer on Red Top Mountain and Hard Labor Creek State Parks, Georgia.

P.I.s: R. J. Warren and K. V. Miller

Amount: \$62,195 Duration: 2003-2005

Source: Bat Conservation International

Title: Relationship between bats and remnant forest corridors.

P.I.s: S. B. Castleberry and K. V. Miller

Amount: \$1,000 Duration: 2003-2004

Source: U.S. Department of Interior, National Park Service

Title: Survey of bat community composition, relative abundances, and distribution at the New, Gauley, and

Bluestone River National Park Areas.

P.I.s: S. B. Castleberry, W. M. Ford, M. A. Menzel, J. M. Menzel, and K. V. Miller

Amount: \$106,433 Duration: 2003-2005

Source: Westvaco Company

Title: Bat activity, habitat use, and roosting ecology on an intensively managed forest with remnant corridors.

P.I.s: S. B. Castleberry and K. V. Miller

Amount: \$84,800 Duration: 2002-2004

Source: USDA Forest Service

Title: Spatial heterogeneity and crown closure in young stands of longleaf pine and hardwoods: Effects on plant and small-vertebrate community turnover.

P.I.s: T. B. Harrington, K. V. Miller and R. F. Daniels

Amount: \$45,174 Duration: 2001-2003

Source: Quality Deer Management Association

Title: Donation in support of white-tailed deer research.

P.I.s: K. V. Miller and R. J. Warren

Amount: \$26,000 Duration: 2001

Source: USDA National Research Initiative
Title: Minimizing the impacts of herbivory in forest regeneration: a test of localized management.

P.I.s: K. V. Miller and W M. Ford

Amount: \$225,000 Duration: 2000-2004

Source: National Council for Air and Stream Improvement

Title: Effects of intensive pine plantation management on wildlife habitat quality.

P.I.s: K. V. Miller and T. Harrington

Amount: \$148,440 Duration: 2001-2004

Source: USDA, Forest Service

Title: Minimizing deer-vehicle collisions: a test of localized management.

P.I.s: K. V. Miller and J. C. Kilgo

Amount: \$199,560 Duration: 2000-2004

Source: USDA, Forest Service

Title: Evaluation of microsatellite loci in Central Appalachian oaks.

P.I.s: S. B. Castleberry, W. M. Ford, and K. V. Miller

Amount: \$5,000 Duration: 2000-2001

Convention Papers/invited seminar since 2001

D'Angelo, G. J., M. A. Pardue, G. L. Williams, G. R. Gallagher, D. A. Osborn, R. J. Warren, and K. V. Miller. 2007. An examination of the visual system of white-tailed deer. Annual Meeting of the Southeast Deer Study Group, Ocean City, MD 30: (abstract).

Hellickson, M. W., K. V. Miller, R. L. Marchinton, C. A. DeYoung, and C. Zabransky. 2007. Weather effects on activity rates of male white-tailed deer in Texas. Annual Meeting of the Southeast Deer Study Group, Ocean City, MD 30: (abstract).

Miller, B. F., R. W. De Young, T. A. Campbell, B. R. Laseter, W. M. Ford, and K. V. Miller. 2007. Social structuring of a central Appalachian deer herd and a test of localized management. Annual Meeting of the Southeast Deer Study Group, Ocean City, MD 30: (abstract).

Valitzski, S. A., G. J. D'Angelo, G. R. Gallagher, D. A. Osborn, K. V. Miller, and R. J. Warren. 2007. Behavioral responses of white-tailed deer to vehicle-mounted sound-producing devices. Annual Meeting of the Southeast Deer Study Group, Ocean City, MD 30: (abstract).

Schrecengost, J. D., J. C. kilgo, S. Ray, and K. V. Miller. 2007. Coyote food habits at the Savannah River Site, SC: the importance of white-tailed deer. Annual Meeting of the Southeast Deer Study Group, Ocean City, MD 30: (abstract).

Kilgo, J. C., H. S. Ray, J. D. Schrecengost, G. R. Woods, T. Hughes, and K. V. Miller. 2007. Coyotes and deer: an emerging management issue in the Southeast? Annual Meeting of the Southeast Deer Study Group, Ocean City, MD 30: (abstract).

Valitzski, S. A., G. J. D'Angelo, G. R. Gallagher, D. A. Osborn, K. V. Miller, and R. J. Warren. 2007. Evaluation of sound as a deterrent for reducing deer-vehicle collisions. International Conference on Ecology & Transportation Little Rock, Arkansas (abstract).

Hein, C. D., S. B. Castleberry and K. V. Miller. 2006. Modeling roost-site selection of Seminole bats (*Lasiurus seminolus*) at multiple spatial scales on an intensively-managed forest in the Lower Coastal Plain of South Carolina. 36th Annual North American Symposium on Bat Research, Wilmington, NC (oral presentation; abstract)

Castleberry, S. B. and K. V. Miller. 2006. Bat habitat use on a landscape managed using an ecosystem-based approach. American Forest and Paper Association, Dean's Tour, Charleston, SC (abstract).

Schirmacher, M. R., S. B. Castleberry, K. V. Miller, and W. M. Ford. 2006. Predicting spatial and temporal patterns of bat communities in the central Appalachians. 16th Colloquium on Conservation of Mammals in the Southeastern United States, Chattanooga, TN (abstract).

Miller, K. V. 2006. Initial considerations for small properties @ Successful Management Strategies for Small Properties. 6th Annual Quality Deer Management Association National Convention and Whitetail Expo. Valley Forge, PA (invited paper).

Kotrba R., Bartoš L., Bartošová-Víchová J., Panamá J., Kšáda V., Šustr P., Pluháček J., Dušek A., Vaňková-Formanová D., Illmann G., Šmídová E. and Miller K. V. 2006. Cooperative anti-predatory behaviour in sympatric white-tailed, fallow, roe and red deer: Experimental confirmation using a dummy. 6th International Deer Biology Congress, Institute of Animal Production, Prague, Czech Republic (abstract).

Killmaster, C. H., R. J. Warren, D. A. Osborn, and K. V. Miller. 2006. Spatial and temporal responses of deer to traffic on a Georgia state park. 60th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, Norfolk, VA.

Meares, J., B. P. Murphy, C. Ruth, R. J. Warren, K. V. Miller, and D. A. Osborn. 2006. An objective, quantitative evaluation of the Severinghaus method for estimating age of white-tailed deer. 60th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, Norfolk, VA.

Sustr, P., L. Bartos, D. Vankova, J. Vichova, and K. V. Miller. 2006. Home range size and quality in white-tailed deer (*Odocoileus virginianus*) and fallow deer (*Dama dama*) in Dobris Forest, Czech Republic. 6th International Deer Biology Congress, Institute of Animal Production, Prague, Czech Republic (abstract).

Miller, B. F., R. W. DeYoung, T. A. Campbell, B. R. Laseter, W. M. Ford, and K. V. Miller. 2006. The impacts of herbivory in forest regeneration: a test of localized management @ Research Sessions: Whitetail movements and dispersal. 6th Annual Quality Deer Management Association National Convention and Whitetail Expo. Valley Forge, PA

D'Angelo, G. J., J. G. D'Angelo, G. R. Gallagher, D. A. Osborn, K. V. Miller, and R. J. Warren. 2006. Do wildlife-warning reflectors alter white-tailed deer behavior along roadways? 6th International Deer Biology Congress, Institute of Animal Production, Prague, Czech Republic (abstract).

Miller, B. F., R. W. DeYoung, T. A. Campbell, B. R. Laseter, W. M. Ford, and K. V. Miller. 2006. Genetic analysis of white-tailed deer before and after a localized removal. 13th Annual Conference, The Wildlife Society, Anchorage, AK (abstract).

Miller, B. F., R. W. DeYoung, T. A. Campbell, B. R. Laseter, W. M. Ford, and K. V. Miller. 2006. A test of localized management in a white-tailed deer herd. 6th International Deer Biology Congress, Institute of Animal Production, Prague, Czech Republic.

Tomberlin, J., L. I. Muller, D. A. Osborn, R. J. Warren, and K. V. Miller. 2006. Comparison of xylazine/telazol to medetomidine/ketamine/telazol for immobilization of white-tailed deer. Annual Mtg., Southeast Deer Study Group, Baton Rouge, LA. (29:15)

D'Angelo, G. J., J. G. D'Angelo, G. R. Gallagher, D. A. Osborn, K. V. Miller, and R. J. Warren. 2006. Ineffectiveness of wildlife warning reflectors for altering white-tailed deer behaviors along roadways. Annual Mtg., Southeast Deer Study Group, Baton Rouge, LA. (29: 14)

Hohman, D. S., R. L. Mihalco, S. B. Castleberry, and K. V. Miller. 2006. Effects of intensive pine management on deer forage in the Coastal Plain of North Carolina. Annual Mtg., Southeast Deer Study Group, Baton Rouge, LA. (29:1)

Osborn, D. A., K. V. Miller, R. J. Warren, B. P. Murphy, P. S. Ungar, J. M. Bunn, and C. R. Ruth. 2006. Promising new technique for estimating deer ages. Annual Mtg., Southeast Deer Study Group, Baton Rouge, LA. (29: 10)

Hellickson, M. W., T. A. Campbell, K. V. Miller, R. L. Marchinton, and C. A. DeYoung. 2006. Seasonal ranges and fidelity of adult male white-tailed deer in southern Texas. Annual Mtg., Southeast Deer Study Group., Baton Rouge, LA (29:35)

Miller, B. F., T. A. Campbell, B. R. Laseter, W. M. Ford, and K. V. Miller. 2006. Efficacy of localized management for reducing deer herbivory of forest regeneration areas. Annual Meeting, M-W Environmental Research Forest, Charleston, WV (abstract).

Schirmacher, M. R., S. B. Castleberry, K. V. Miller, and W. M. Ford. 2005. Landscape-level habitat modeling of bat communities in the New River Gorge, Gauley River, and

Bluestone River National Park Areas in the Central Appalachians. 35th Annual North American Symposium on Bat Research, Sacramento, CA (abstract).

D'Angelo, G. J., D. A. Osborn, A. DeChicchis, G. R. Gallagher, R. J. Warren, and K. V. Miller. 2005. Development and evaluation of devices designed to minimize deer-vehicle collisions. 12th Annual Conference of The Wildlife Society, Madison, Wisconsin. (abstract).

Hein, C. D., S. B. Castleberry and K. V. Miller. 2005. Winter bat activity and roost-site selection in managed forests in the Lower Coastal Plain, South Carolina. 35th Annual North American Symposium on Bat Research (oral presentation; abstract)

D'Angelo, G. J., K. V. Miller, R. J. Warren, G. R. Gallagher, D. O. Osborn, and D. M. Jared. 2005. Thinking outside the marketplace: A biologically based approach to reducing deer-vehicle collisions. Special Meeting, Deer-Vehicle Crash Reduction: Setting a Strategic Agenda, Madison, WI (abstract)

Stephens, O. L., M. T. Mengak, G. R. Gallagher, D. Osborn, and K. V. Miller. 2005. Efficacy of Milorganite® as a repellent to protect ornamental and agronomic plants from deer over-browsing. 11th Wildlife Damage Management Conference, Traverse City, MI.

Stephens, O. L., M. T. Mengak, K. E. Kammermeyer, and K. V. Miller. 2005. Forage production, use by white-tailed deer (*Odocoileus virginianus*), and seasonal crude protein level of three cool-season forages in Georgia. 59th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. (abstract)

D'Angelo, G. J., K. V. Miller, R. J. Warren, G. R. Gallagher, D. O. Osborn, and D. M. Jared. 2005. Thinking outside the marketplace: a biologically based approach to reducing deer-vehicle collisions. Georgia Chapter, The Wildlife Society Mtg., Berry College, GA (poster)

Miller, K. V. 2005. The world through the eyes, ears, and nose of a deer: making sense of the whitetail's senses. 1st Annual Killam Deer Lecture, Caesar Kleberg Wildlife Research Institute and Texas A&M University-Kingsville. (invited lecture).

Miller, B. F., T. A. Campbell, B. R. Laseter, D. A. Osborn, W. M. Ford, and K. V. Miller. 2005. Efficacy of localized management for reducing deer herbivory of forest regeneration areas. Annual Mtg., Southeast Deer Study Group, Shepardstown, WV. (abstract).

Mearns, J. M., B. P. Murphy, L. R. Schimleck, S. H. Schweitzer, C. R. Ruth, R. J. Warren, and K. V. Miller. 2005. Evaluating new technologies for aging white-tailed deer by tooth characteristics. Annual Mtg., Southeast Deer Study Group, Shepardstown, WV. (abstract).

Comer, C. E., B. R. Laseter, G. J. D'Angelo, T. A. Campbell, B. F. Miller, J. C. Kilgo, W. M. Ford, and K. V. Miller. 2005. Differences in harvest management elicit plasticity in social behavior of female white-tailed deer. Annual Mtg., Southeast Deer Study Group, Shepardstown, WV. (abstract).

D'Angelo, G. J., K. V. Miller, R. J. Warren, G. R. Gallagher, D. O. Osborn, and D. M. Jared. 2005. Thinking outside the marketplace: a biologically based approach to reducing deer-vehicle collisions. International Conference on Ecology and Transportation, San Diego, CA (poster; abstract)

Miller, B. F., T. A. Campbell, W. M. Ford, and K. V. Miller. 2005. Deer population characteristics on the MeadWestvaco Wildlife and Ecosystem Research Forest. MWERF Annual Meeting, Charleston, WV (poster presentation)

Storms, T. N., J. Schumacher, N. Zagaya, D. A. Osborn, K. V. Miller, and E. C. Ramsay. 2004. Determination and evaluation of an optimal dosage of carfentanil and zylazine for the immobilization of white-tailed deer (*Odocoileus virginianus*). American Assoc. Zoo Veterinarians and Am. Assoc. of Wildl. Veterinarians. Wildlife Disease Association, San Diego, California (oral presentation; abstract)

Mihalco, R. L., S. B. Castleberry, and K. V. Miller. 2004. Effects of intensive pine plantation management on wildlife habitat quality in the North Carolina Coastal Plain. @ Environmental aspects of silvicultural chemicals in intensive forestry systems. Southern Regional Meeting, NCASI, New Orleans, LA (oral presentation; abstract)

Campbell, T. A., B. R. Laseter, B. F. Miller, W. M. Ford, and K. V. Miller. 2004. Deer population characteristics on the MeadWestvaco Wildlife and Ecosystem Research Forest. MeadWestvaco Wildl. and Ecosystem Res. Forest, Annual Meeting, Elkins, WV (poster presentation; abstract)

Schirmacher, M. R., S. B. Castleberry, K. V. Miller, and W. M. Ford. 2004. Bat habitat models for the New River Gorge, Gauley River, and Bluestone River National Park Areas in the central Appalachians of West Virginia. 34th Annual North American Symposium on Bat Research (oral presentation; abstract)

Killmaster, C. H., R. J. Warren, K. V. Miller, and D. A. Osborn. 2004. A status report on deer in Red Top Mountain Park, GA. Ann. Mtg., Ga. Chapt., The Wildlife Society. (oral presentation)

Hein, C. D., S. B. Castleberry and K. V. Miller. 2004. Roost-site selection of Rafinesque's big-eared bats and Southeastern *Myotis* on a managed forest in the Lower Coastal Plain, South Carolina. 34th Annual North American Symposium on Bat Research (oral presentation; abstract)

Miller, K. V. 2004 White-tailed deer vision: the latest research. Ann. Conv., Quality Deer Management Association, Grand Rapids, MI (invited presentation).

Miller, R. A. and K. V. Miller. 2004. From the field to the table - venison preparation. Ann. Conv., Quality Deer Management Association, Grand Rapids, MI (invited presentation).

Miller, K. V. 2004. Impacts of forest vegetation management on wildlife and habitat. 25th Ann. Forest Vegetation Management Conf., Redding, California (invited presentation)

Comer, C. E., G. J. D'Angelo, J. C. Kilgo, and K. V. Miller. 2004. Localized management of white-tailed deer near roadways: effects on population density and distribution. 11th Ann. Conf., The Wildlife Society, Calgary, Alberta. (poster presentation; abstract)

Miller, K. V. 2004. Food habits of White-tailed deer. Annual Convention, Georgia Chapter, Quality Deer Management Association, Atlanta, GA (invited presentation).

Comer, C. E., J. C. Kilgo, G. J. D'Angelo, T. C. Glenn, and K. V. Miller. 2004. An analysis of genetic structure in white-tailed deer and potential significance for management. Ann. Conf., American Society of Mammalogists, Humboldt State University, Humboldt, California. (poster presentation; abstract)

Stephens, O. L., M. T. Mengak, G. R. Gallagher, and K. V. Miller. 2004. Efficacy of Milorganite as a repellent to protect ornamental and agronomic plants from deer over-browsing. 11th Ann. Conf., The Wildlife Society, Calgary, Alberta. (poster presentation; abstract)

Campbell, T. A., B. R. Laseter, W. M. Ford, and K. V. Miller. 2004. Population characteristics of a central Appalachian white-tailed deer herd. 11th Ann. Conf., The Wildlife Society, Calgary, Alberta. (poster presentation; abstract)

Campbell, T. A., B. R. Laseter, W. M. Ford, B. F. Miller, and K. V. Miller. 2004. Using incidental deer sightings to index sex and age ratios. 27th Ann. Mtg., Southeast Deer Study Group, Lexington, KY (oral presentation; abstract).

D'Angelo, G. J., C. E. Comer, J. C. Kilgo, C. D. Drennan, D. A. Osborn and K. V. Miller. 2004. Daily movements of female white-tailed deer relative to parturition and breeding. 27th Ann. Mtg., Southeast Deer Study Group, Lexington, KY (oral presentation; abstract).

Comer, C. E., T. C. Glenn, G. J. D'Angelo, J. C. Kilgo, and K. V. Miller. 2004. Spatial and genetic structuring in female deer: does harvest history affect social and spatial dynamics? 27th Ann. Mtg., Southeast Deer Study Group, Lexington, KY (oral presentation; abstract).

Laseter, B. R., T. A. Campbell, D. A. Osborn, K. V. Miller, and W. M. Ford. 2004. White-tailed deer in the central Appalachians: How social are West Virginia does? 27th Mtg., Southeast Deer Study Group, Lexington, KY (oral presentation; abstract).

Warren, R. J., K. V. Miller, C. H. Killmaster, and D. A. Osborn. 2004. Increasing deer numbers and conflicts in the United States. Sp. Mtg., Alabama and Georgia Chapters of The Wildlife Society, Eufaula, Alabama.

Hein, C. D., S. B. Castleberry, and K. V. Miller. 2004. Observations on winter bat activity and roost-site selection in managed forests in the Lower Coastal Plain, South Carolina. Colloquium on the Conservation of Mammals in the Southeastern United States, Helen, GA.

Mihalco, R., S. B. Castleberry, and K. V. Miller. 2004. The effects of regeneration management in pine plantations on the vegetation, small mammal, and avifauna communities on the Lower Coastal Plain of North Carolina. @ Managing the Forests for Wildlife, Ann. Conf., Southeastern Society of American Foresters, Jacksonville, FL (poster presentation; abstract)

Mihalco, R., S. B. Castleberry, and K. V. Miller. 2004. Small mammal communities following intensive site preparation in the Lower Coastal Plain of North Carolina. Colloquium on the Conservation of Mammals in the Southeastern United States, Helen, GA.

Miller, K. V. 2003. White-tailed deer research at The University of Georgia. Quality Deer Management Association, Spring Banquet, The Classic Center, Athens Georgia. (invited presentation)

D'Angelo, G., J. C. Kilgo, C. E. Comer, C. D. Drennan, D. A. Osborn, and K. V. Miller. 2003. Effects of controlled dog hunting on the movements of white-tailed deer. Proceedings of the Annual Meeting of the Southeastern Association of Fish and Wildlife Agencies, Alabama. (oral presentation).

Brunjes, K. J., K. V. Miller, W. M. Ford, T. B. Harrington, and M. B. Edwards. 2003. Effects of thinning and herbicide application on vertebrate communities in longleaf pine plantations. Proceedings of the Annual Meeting of the Southeastern Association of Fish and Wildlife Agencies, Alabama. (oral presentation).

Miller, K. V. and J. H. Miller. 2003. Herbicides and biodiversity in Southern forests. 10th Ann. Conf., The Wildl. Soc., Burlington, VT (invited presentation)

Hein, C. D., S. B. Castleberry, and K. V. Miller. 2003. Preliminary analysis of the importance of forested corridors in roost-site selection of evening (*Nycticeius humeralis*) and Seminole (*Lasiurus seminolus*) bats in managed forests. 33rd Annual Mtg., North American Symposium on Bat Research, Lincoln, NE (poster presentation)

Harrison, W. M., I. A. Moore, M. Draisma, G. I. Moore, and K. V. Miller. 2003. Observations on the behavior of sambar deer in a bush enclosure in Victoria, Australia. 3rd. International Wildlife Management Congress, Christchurch, NZ. (poster presentation; abstract 3:433)

Moore, G. I., R. J. Mayze, I. A. Moore and K. V. Miller. 2003. Reproductive performance of female hog deer (*Axis porcinus*) in a study enclosure on Sunday Island, Australia. 3rd. International Wildlife Management Congress, Christchurch, NZ. (poster presentation; abstract 3: 438)

Moore, G. I., and K. V. Miller. 2003. Conservation of hog deer on Sunday Island, Victoria, Australia. 3rd. International Wildlife Management Congress, Christchurch, NZ. (poster presentation; abstract 3:438)

Miller, K. V. 2003. Considerations for managing foodplots on rights-of-way. Georgia Vegetation Management Association, Annual Mtg., Brasstown Valley, Ga (invited presentation)

Bartos, L., K. Miller, and D. Osborn. 2003. Vztah mezi dominanci a casovanim parozniho cyklu u jelence virzinskeho a jaka je cena za vysoke socialni postaveni. Czech and Slovak Ethological Conference (abstract)

Campbell, T. A., B. R. Laseter, D. A. Osborn, W. M. Ford, and K. V. Miller. 2003. Can restricting hunter access reduce the harvest of yearling male white-tailed deer. Southeast Deer Study Group Meeting, Chattanooga, TN (abstract 26:13-14).

Miller, B. F., L. I. Muller, T. Dougherty, D. O. Osborn, K. V. Miller, and R. J. Warren. 2003. Effectiveness of antagonists for reversal of telazol/xylazine immobilization in female white-tailed deer. Southeast Deer Study Group Meeting, Chattanooga, TN (abstract 26:28).

Hellickson, M., K. V. Miller, R. L. Marchinton, and C. A. DeYoung. 2003. Age specific activity rates of male white-tailed deer in southern Texas. Southeast Deer Study Group Meeting, Chattanooga, TN (abstract).

Laseter, B. R., T. A. Campbell, D. A. Osborn, K. V. Miller, and W. M. Ford. 2003. White-tailed deer browse preferences in clearcuts in the central Appalachians of West Virginia. Southeast Deer Study Group Meeting, Chattanooga, TN (abstract 26:23-24).

Comer, C. E., G. J. D'Angelo, C. D. Drennan, J. C. Kilgo, and K. V. Miller. 2003. Effectiveness of targeted deer population control along roadways to reduce deer vehicle collisions. Southeast Deer Study Group Meeting, Chattanooga, TN (abstract 26:29).

D'Angelo, G., J. C. Kilgo, C. E. Comer, C. D. Drennan, D. A. Osborn, and K. V. Miller. 2003. Effects of controlled dog hunting on the movements of white-tailed deer. Southeast Deer Study Group Meeting, Chattanooga, TN (abstract 26:14-15).

Bartos, L., D. Formanova-Vankova, K. Miller, and J. Siler. 2003. The potential for interference competition between white-tailed, fallow, red, and roe deer: appearance on an open pasture. European Mammalogy 2003. 4th European Congress of Mammalogy, Brno, Czech Republic (abstract).

Laseter, B. R., T. A. Campbell, D. A. Osborn, K. V. Miller, and W. M. Ford. 2003. Social groups of female white-tailed deer: how much seasonal movement occurs in the central Appalachians? MeadWestvaco Wildl. and Ecosystem Res. Forest, Annual Meeting, Charleston, WV (abstract)

Campbell, T. A., B. R. Laseter, D. A. Osborn, W. M. Ford, and K. V. Miller. 2003. Localized management of white-tailed deer within forest regeneration areas of the central Appalachians. MeadWestvaco Wildl. and Ecosystem Res. Forest, Annual Meeting, Charleston, WV (abstract)

Miller, B. F., T. A. Campbell, B. R. Laseter, D. A. Osborn, W. M. Ford, and K. V. Miller. 2003. Efficacy of localized management for reducing deer herbivory of forest regeneration areas. MeadWestvaco Wildl. and Ecosystem Res. Forest, Annual Meeting, Charleston, WV (abstract)

Comer, C. E., G. D'Angelo, J. C. Kilgo, and K. V. Miller. 2003. Recent research on deer behavior and response to roadside hunts. 2003 Deer Management Workshop, Savannah River Ecology Lab, Savannah River Site, SC.

D'Angelo, G., C. E. Comer, J. C. Kilgo, and K. V. Miller. 2003. Effects of controlled dog hunting on the movements of white-tailed deer. 2003 Deer Management Workshop, Savannah River Ecology Lab, Savannah River Site, SC.

Bubenik, G. A., K. V. Miller, A. L. Lister, D. A. Osborn, L. Bartos, and G. J. Van Der Kraak. 2002. Seasonal concentrations of testosterone in plasma, velvet skin, and growing antler bone of white-tailed deer. @ 5th International Deer Biology Congress (abstract 5:94)

Alexy, K., J. R. Davis, W. R. Davidson, C. Logsdon, J. L. Larkin, D. Bolin, J. Corn, K. V. Miller, D. Maehr, and D. C. Guynn. 2002. Disease and parasite issues associated with restoration efforts: Kentucky elk restoration as a case study. 9th Ann. Conf., The Wildlife Society, Bismark, ND (abstract).

Bartos, L., J. Vichova, V. Ksada, P. Sustr, K. V. Miller, D. Vankova, R. McQuillan, and G. Illmann. 2002. White-tailed and fallow deer increase the time spent on a pasture if joined by another deer: Experimental evidence using a model "grazing deer" @ 5th International Deer Biology Congress, Quebec, Canada (abstract 5:13).

Bartos, L., P. Sustr, J. Panama, V. Ksada, P. Janovsky, J. Vichova, and K. V. Miller. 2002. Dominance during the period of antler growth and fluctuating asymmetry in fallow deer (*Dama dama*) bucks. @ 5th International Deer Biology Congress, Quebec, Canada (abstract 5:13).

Laseter, B. R., T. A. Campbell, D. A. Osborn, K. V. Miller, and W. M. Ford. 2002. Social groups of female white-tailed deer: how much seasonal movement occurs in the central Appalachians? @ 5th International Deer Biology Congress, Quebec, Canada (abstract 5:94)

Campbell, T. A., B. R. Laseter., D. A. Osborn, W. M. Ford, and K. V. Miller. 2002. Localized management of white-tailed deer within forest regeneration areas of the central Appalachians. @ 5th International Deer Biology Congress, Quebec, Canada (abstract 5:25)

Moore, G. I., R. J. Mayze, I. A. Moore and K. V. Miller. 2002. Reproductive performance of female hog deer (*Axis porcinus*) in a study enclosure on Sunday Island, Australia. @ 5th International Deer Biology Congress, Quebec, Canada (abstract 5:94).

Miller, K. V. 2002. Deer management and Quality Deer Management: a Southern Perspective. Pennsylvania Deer Forum and the Pennsylvania Game Commission, State College, PA (Invited Presentation).

Miller, K. V. 2002. Habitat management for White-tailed Deer – panel discussant. @ Deer Think Tank, Annual Conv., Quality Deer Management Association, Athens, GA (Invited presenter).

Castleberry, S. B., K. V. Miller, and S. Demarais. 2002. Biodiversity responses to intensive stand regeneration practices. @ The Science and Practice of Sustainable Forestry. NCASI Southern Regional Mtg., Savannah, GA (abstract) (invited presentation).

Alexy, K. J., J. W. Gasset, K. J. Brunjes, and K. V. Miller. 2002. Remote monitoring of Gopher Tortoise commensals in the Florida Panhandle. @ Ann. Mtg., S. C. Chap., The Wildlife Society, Clemson, SC.

Miller, K. V. and S. B. Castleberry. 2002. Intensive pine plantation management and wildlife habitat: the North Carolina Study Sites. NCASI Regional Meeting, Wilmington, NC.

Miller, K. V. 2002. Analyzing Animal Behavior: Wildlife Education Seminar. 17th Annual Convention, Texas Wildlife Association. (Invited presentation).

Miller, B. F., K. A. Adams, L. I. Muller, T. N. Storm, E. C. Ramsay, D. A. Osborn, R. J. Warren, and K. V. Miller. 2002. Efficacy of carfentanil-xylazine for immobilization of white-tailed deer. Southeast Deer Study Group Meeting, Mobile, AL (abstract 25:28).

Comer, C. E., G. J. D'Angelo, K. V. Miller, C. Drennan, D. A. Osborn, and J. C. Kilgo. 2002. Evaluation of infrared-triggered camera techniques without the use of bait. Southeast Deer Study Group Meeting, Mobile, AL (abstract 25:32-3).

Laseter, B. R., T. A. Campbell, D. A. Osborn, K. V. Miller, and W. M. Ford. 2002. Spatiotemporal characteristics of female white-tailed deer in the Central Appalachians of West Virginia. Southeast Deer Study Group Meeting, Mobile, AL (abstract 25:34).

Campbell, T. A., B. R. Laseter, D. A. Osborn, W. M. Ford, P. B. Bush, and K. V. Miller. 2002. Unusual white-tailed deer movements to artificial mineral sources. Westvaco Wildl. And Ecosystem Res. Forest, Annual Meeting, Charleston, WV (abstract)

Laseter, B. R., T. A. Campbell, D. A. Osborn, K. V. Miller, and W. M. Ford. 2002. Spatio-temporal characteristics of female white-tailed deer in the central Appalachians of West Virginia. Westvaco Wildl. And Ecosystem Res. Forest, Annual Meeting, Charleston, WV (abstract)

Owen, S. F., M. A. Menzel, W. M. Ford, J. W. Edwards, K. V. Miller, B. R. Chapman, P. B. Wood, T. C. Carter, and J. B. Johnson. 2002. Cooperative investigations of bat biology on the Westvaco Ecosystem Research Forest, Fernow Experimental Forest and Monongahela National Forest: Current findings and future directions. Westvaco Wildl. And Ecosystem Res. Forest, Annual Meeting, Charleston, WV (abstract).

Miller, K. V. 2002. Wildlife and forest vegetation management in the South: hitting a moving target. Sierra Cascade Intensive Forest Management Research Cooperative Conference, Redding, Calif. (invited presentation).

Miller, K. V. 2002. Communication by a silent animal: towards an understanding of pheromonal communication by white-tailed deer. University of Guelph, Department of Physiology, Guelph, Ontario, Canada (invited seminar).

Castleberry, S. B., W. P. Smith, W. M. Ford, and K. V. Miller. 2001. White-tailed deer herbivory and plant regeneration in bottomland forest of the Southeastern United States. Inter. Conf. on Forest Dynamics and Ungulate Herbivory. Davos Congress Center, Davos, Switzerland. (abstract).

Welch, J. R., K. V. Miller, and W. E. Palmer. 2002. Response of vegetation important to Northern Bobwhites following chemical and mechanical treatments. Quail V, Meeting of the 5th National Quail Symposium, Austin, TX.

Miller, K. V. 2002. Forestry herbicides and wildlife habitat conditions @ Oconee Chapter, Society of American Foresters, Athens, GA.

Constantine, N. L., W. M. Baughman, B. R. Chapman, and K. V. Miller. 2001. Influence of remnant corridors on small mammal communities in intensively-managed forests of the Coastal Plain. Ann. Mtg., The Wildlife Soc., Reno, NV. (Abstract).

Campbell, T. A., B. R. Laseter, D. A. Osborn, W. M. Ford, P. B. Bush, and K. V. Miller. 2001. Unusual white-tailed deer movements to artificial mineral sources. Ann. Mtg., The Wildlife Soc., Reno, NV. (Abstract).

Senecal, J. R., D. A. Osborn, and K. V. Miller. 2001. Restoration of the Southern Fox Squirrel to Hall and St. Phillips Islands, South Carolina. Ann. Colloquium Conserv. Mammals in the Southeastern U. S., Memphis, TN (Abstract)

Miller, K. V. 2001. Herd demographics and social communication influences on white-tailed deer breeding chronology. Georgia Southern University, Statesboro, GA (Invited seminar).

Miller, K. V. 2001. Hunting, wildlife management, and a little philosophy. Invited Expert Panel Member @ White-tailed Deer Think Tank. 1st National Convention, Quality Deer Management Association, Athens, GA

Owen, S. F., M. A. Menzel, W. M. Ford, B. R. Chapman, K. V. Miller, J. Edwards, and P. B. Wood. 2001. Home-range size and habitat use of the Northern Long-eared myotis in an industrial forest landscape in the Central Appalachians. *Ann. Colloquium Conserv. Mammals in the Southeastern U. S.*, Memphis, TN (Abstract 11:)

Senecal, J. R., D. A. Osborn, and K. V. Miller. 2001. Translocation of Southern Fox Squirrels to 2 South Carolina coastal islands. *Ann. Mtg., The Wildlife Society, Reno, NV.* (Abstract)

Wigley, T. B., D. C. Guynn, K. V. Miller, and C. N. Owen. 2001. Wildlife in managed forests: the evolution of research in the South. @ Southern Forest Science Conference, Atlanta, GA. (invited paper)

Senecal, J. R., D. A. Osborn, and K. V. Miller. 2001. Post-release survival and movement of Southern Fox Squirrels translocated to Hall and St. Phillips Island, SC. *Ga. Chapter, The Wildlife Society, Athens, GA.*

Constantine, N. L., K. V. Miller, and B. R. Chapman. 2001. Influence of remnant corridors on small mammal communities in an intensively-managed pine ecosystem. *Ga. Chapter, The Wildlife Society Mtg., Athens, GA.*

Miller, K. V. 2001. Integrating forest management and wildlife: views from the stand and the landscape. @ Vegetation management and the effect on wildlife habitat. *Ann. Mtg., Southern Weed Science Society, Biloxi, MS.* (Invited Paper; abstract)

Campbell, T. A. B. R. Laseter, K. V. Miller, W. M. Ford, and D. A. Osborn. 2001. Summer movements of female white-tailed deer on the WERF. *Westvaco Wildl. And Ecosystem Res. Forest, Annual Meeting, Cooper's Rock State Forest, WV* (abstract)

Laseter, B. R., T. A. Campbell, K. V. Miller, W. M. Ford, and D. A. Osborn. 2001. Social and genetic structure of female groups of white-tailed deer: implications for localized management. *Westvaco Wildl. And Ecosystem Res. Forest, Annual Meeting, Cooper's Rock State Forest, WV* (abstract)

Constantine, N. L., K. V. Miller, and B. R. Chapman. 2001. Ecological value of corridors for small mammal communities in coastal plains pine plantations. *Ann. Colloquium Conserv. Mammals in the Southeastern U. S.* Memphis, TN. (poster; abstract 11:)

Osborn, D. A., K. V. Miller, R. J. Warren, J. J. Ozoga, H. A. Jacobson, L. P. Hansen, J. Beringer, C. R. Ruth, R. J. Hamilton, E. L. Young, M. Traweck, G. Lavigne, and M. Lenarz. 2001. Does moon phase chronology determine white-tailed deer breeding dates? *Southeast Deer Study Group Meeting, St. Louis, MO* (abstract).

Campbell, T. C., B. Laseter, W. M. Ford, D. A. Osborn, and K. V. Miller. 2001. Unusual summer movements of white-tailed deer in the Central Appalachians...is it in the water? *Southeast Deer Study Group Meeting, St. Louis, MO* (abstract).

Continuing Education Service Courses since 2000

- 2006. Wildlife Management. Georgia Center for Continuing Education, University of Georgia, Athens, GA. Talks presented included: Overview of wildlife management, historical context and preliminary concepts; Management of Southern pines; Management of hardwood stands; Deer Management, the basics; Deer Food Habits; and Supplemental Plantings for Deer.
- 2006. Understanding the senses of the whitetail. Alabama Chapter of the Quality Deer Management Association, Birmingham, AL
- 2006. Latest research on white-tailed deer vision. @ Quality Deer Management Association and The King Ranch Foundation, Kingsville, TX.
- 2006. Managing native habitats. @ Habitat Management Field Day, Quality Deer Management Association, Bogart, GA
- 2006. Integrating wildlife and intensive forest management. Georgia Center for Continuing Education, Macon, GA. Talks presented included: A wildlife management primer; Considerations for within stand management; Some considerations for among stand management; Forestry herbicides and wildlife; Considerations for management hardwoods for maximal wildlife benefit; and Managing food plots for deer and other wildlife.
- 2006. The senses of the whitetail. Educational Seminar sponsored by the Quality Deer Management Association and Briarwood Baptist Church, Colbert, GA
- 2006. Latest Research on Whitetail Senses and Communication. @ Delaware 2006 QDMA Deer School. Delaware Dept. of Agric. and Quality Deer Management Assoc., Milford, DE.
- 2006. Whitetail food habits and impacts on natural vegetation. @ Delaware Deer School. Delaware Division of Fish and Wildlife and Quality Deer Management Assoc., Dover, DE.
- 2006. How deer communicate. Educational Seminar sponsored by the Quality Deer Management Association and Hull Baptist Church, Colbert, GA
- 2005. Habitat management for white-tailed deer. @ Master Timber Harvester Continuing Education Program, Hitichiti Experimental Forest, Oconee National Forest, Georgia.
- 2005. The Fundamentals of white-tailed deer nutrition @ Quality Deer Management Association and The King Ranch Foundation, Kingsville, TX.

2005. The world through the eyes, ears, and nose of the white-tailed deer. Educational Seminar sponsored by the Quality Deer Management Association and Riverside Baptist Church, Colbert, GA.
2005. Wildlife Management. Georgia Center for Continuing Education, University of Georgia, Athens, GA. Talks presented included: Overview of wildlife management, historical context and preliminary concepts; Management of Southern pines; Management of hardwood stands; Deer Management, the basics; Deer Food Habits; and Supplemental Plantings for Deer.
2005. Nutrition, food habits, and habitat management for white-tailed deer @ Habitat Management for Wildlife - Plants, Plantings, & Forest Management for deer turkey, quail, and more. Georgia Center for Continuing Education, Athens, GA
2005. Seeing the world the way a deer sees it. @ Chesapeake Farms Field Day, DuPont Corporation, Baltimore, MD.
2005. Integrating wildlife and intensive forest management. Georgia Center for Continuing Education, Macon, GA. Talks presented included: A wildlife management primer; Considerations for within stand management; Some considerations for among stand management; Forestry herbicides and wildlife; Considerations for management hardwoods for maximal wildlife benefit; and Managing food plots for deer and other wildlife.
2005. Basics of Whitetail Nutrition. Quality Deer Management Shortcourse, QDMA and Roy O. Martin Timber Co., Alexandria, LA.
2005. Forest Management and Wildlife Habitat. 10th Georgia Pacific FMAP Landowner's Field Day., Greensboro, GA.
2005. Overview of Habitat Management Practices. @ Wildlife Management Workshop for Ag-Ed Teachers, University of Georgia, School of Forest Resources, Athens, GA.
2005. Deer Communication. @ Winter Mtg., North-central Pennsylvania Branch, Quality Deer Management Association, Williamsport, PA.
2005. Generating Wildlife Management Recommendations for Land Managers Based on Science @ Blending Wildlife Considerations in Forest Stewardship Program Plans. Georgia Department of Natural Resources and Warnell School of Forest Resources, University of Georgia, Athens, GA.
2004. Integrating wildlife and intensive forest management. Cooperative Extension Service, Louisiana State University, Alexandria, LA. Talks presented included: A wildlife management primer; Considerations for within stand management; Some considerations for among stand management; Forestry herbicides and wildlife;

- Considerations for management hardwoods for maximal wildlife benefit; and Managing food plots for deer and other wildlife.
2004. Deer vision - breaking research and how it affects your hunting. Quality Deer Management Short Course, QDMA and MeadWestvaco, Columbus, GA.
2004. Herbicides for wildlife habitat improvement @ Forest Herbicides: back to the basics. Warnell School of Forest Resources and Georgia Center for Continuing Education, University of Georgia, Tifton, GA.
2004. Generating Wildlife Management Recommendations for Land Managers Based on Science @ Blending Wildlife Considerations in Forest Stewardship Program Plans. Georgia Department of Natural Resources and Warnell School of Forest Resources, University of Georgia, Tifton, GA.
2004. Wildlife Management. Georgia Center for Continuing Education, University of Georgia, Athens, GA. Talks presented included: Overview of wildlife management, historical context and preliminary concepts; Management of Southern pines; Management of hardwood stands; Deer Management, the basics; Deer Food Habits; and Supplemental Plantings for Deer.
2004. The changing nature of game management @ 2004 Alumni Symposium. Warnell School of Forest Resources, University of Georgia, Athens, GA.
2004. Forestry and deer management in Georgia @ Managing your forestland investment, Regional Meeting, Georgia Forestry Association, Warnell School of Forest Resources, University of Georgia, Athens, GA.
2004. Planting for wildlife @ Master Forester and Wildlife Program Series, Quitman County Extension Office, Georgetown, GA.
2004. Integration of timber and wildlife management. Georgia Center for Continuing Education, University of Georgia, Athens, GA. Talks presented included: A wildlife management primer; Considerations for within stand management; Some considerations for among stand management; Forestry herbicides and wildlife; Considerations for management hardwoods for maximal wildlife benefit; and Managing food plots for deer and other wildlife.
2003. Food Plot Management @ Annual Forestry: Area Specialty Advanced Training for County Extension Agents. Warnell School of Forestry, The University of Georgia, Athens, GA.
2003. Looking through a Deer's Eyes (including up to date research on deer vision) @ Atlanta Metro Branch, Quality Deer Management Association, Smyrna, GA.

- 2003. Forest herbicide influences on wildlife habitat in southern forests @ 5th DuPont Forest Technology Transfer Forum, Tifton, GA.
- 2003. Biology and communication @ Delaware DNR & QDMA Deer School, Dover, DE.
- 2003. Natural vegetation identification, value and management @ Delaware DNR & QDMA Deer School, Dover, DE.
- 2003. The Latest Research on Whitetail Vision @ Quality Deer Management Shortcourse, King Ranch Museum, Kingsville, TX.
- 2003. Biodiversity responses to forest management practices @ MeadWestvaco Forestry Training Program, Phenix City, AL.
- 2003. How deer communicate @ Spring Island environmental education seminars, Spring Island SC.
- 2003. Using chemicals to enhance wildlife habitat @ Habitat management field day, Nemours Wildlife Foundation, Seabrook, SC (w/ L. Nelson).
- 2003. A new look at white-tailed deer vision @ Quality Deer Management Short Course, The King Ranch and Quality Deer Management Assoc., Kingsville, TX.
- 2003. Integrating wildlife and intensive forest management: a primer for forestry professionals and landowners. Center for Continuing Education, University of Georgia, Athens, GA. Talks presented included: A wildlife management primer; Considerations for within stand management; Some considerations for among stand management; Forestry herbicides and wildlife; Considerations for management hardwoods for maximal wildlife benefit; and Managing food plots for deer and other wildlife.
- 2003. The world through the eyes, ears, and nose of a deer. @ Quality Deer Management Short Course, Mountaineer Branch, Quality Deer Management Association, Summersville, WV
- 2003. Deer see the world a little different than you do! @ Quality Deer Management Shortcourse, Atlanta Branch, Quality Deer Management Assoc., Atlanta, GA.
- 2002. Scent communication in White-tailed deer & How deer hear and see. @ Quality Deer Management Shortcourse, Williamsport, PA.
- 2002. How deer communicate. @ Quality Deer Management Seminar. St. Joe Timberland Company and Quality Deer Management Assoc., Panama City, FL.
- 2002. Making sense of deer senses. @ Quality Deer Management Shortcourse, The King Ranch and Quality Deer Management Assoc., Kingsville, TX.

- 2002. Considerations for planting food plots for white-tailed deer. Athens Area Civitan Club, Athens, GA.
- 2002. Scent communication in White-tailed deer & How deer hear and see. @ Snyder County Quality Deer Management Shortcourse, PA.
- 2002. How deer talk and see. Athens Area Civitan Club, Athens, GA.
- 2001. Enhancing native and planted foods for wildlife @ Forest management for Wildlife: A Shortcourse for Natural Resource Managers. Clemson University, Clemson, SC
- 2001. Integrating wildlife and intensive forest management: a primer for forestry professionals and landowners. Center for Continuing Education, University of Georgia, Athens, GA. Talks presented included: A wildlife management primer; Considerations for within stand management; Some considerations for among stand management; Forestry herbicides and wildlife; Considerations for management hardwoods for maximal wildlife benefit; and Managing food plots for deer and other wildlife.
- 2001. Food plots and supplemental feeding for white-tailed deer. @ Quality Deer Management Association, Atlanta Branch Mtg., Marietta, GA
- 2001. The idea behind Quality Deer Management. Radio interview; Capital Ideas – Live! - Alabama Forest Owners Association News Conference.
- 2001. Scent communication in White-tailed deer. @ Quality Deer Management Shortcourse, Shillington, PA.
- 2001. Wildlife habitat improvement with herbicides. @ Forest management for Wildlife: A Shortcourse for Natural Resource Managers. Clemson University, Clemson, SC
- 2001. Using herbicides to improve wildlife habitat. @ Herbicides and Forestry. Center for Continuing Education, University of Georgia, Macon, GA
- 2001. Integrating wildlife and intensive forest management: a primer for forestry professionals and landowners. Ft. Walton Beach FL. Talks presented included: A wildlife management primer; Considerations for within stand management; Some considerations for among stand management; Forestry herbicides and wildlife; Considerations for management hardwoods for maximal wildlife benefit; and Managing food plots for deer and other wildlife.
- 2001. Establishing successful food plots for white-tailed deer. @ Quality Deer Management Shortcourse, Shillington, PA.
- 2001. How deer communicate: Scent, Sounds and Postures. @ King Ranch Deer Management Shortcourse, Kingsville, TX.

2001. Scent communication in white-tailed deer @ Quality Deer Management Shortcourse, St. Joe Timberlands, Tallahassee, FL.
2001. Integrating wildlife and intensive forest management: a primer for forestry professionals and landowners. Charleston, SC. Talks presented included: A wildlife management primer; Considerations for within stand management; Some considerations for among stand management; Forestry herbicides and wildlife; Considerations for management hardwoods for maximal wildlife benefit; and Managing food plots for deer and other wildlife.

Public and Professional Service

Professional Memberships

The Wildlife Society, Certified Wildlife Biologist
 Southeast Section
 Georgia Chapter
 University of Georgia Student Chapter
 American Society of Mammalogists
 Institute of Ecology, University of Georgia
 Environmental Ethics Certificate Program, Friend
 Southern Weed Science Society
 Georgia Academy of Science
 Georgia Wildlife Federation
 Quality Deer Management Association

Offices Held in Professional Societies since 2001

Forest Wildlife Committee, Southeastern Association of Fish and Wildlife Agencies (1991-present)
 Wildlife Publication Award, The Wildlife Society (2000-2006; chair 2005-2006)
 Reaccreditation Review Committee, Southeast Section of The Wildlife Society (1998-present)
 Publications Awards Committee, Southeastern Section, The Wildlife Society, (1994-2005)
 Advisory Board, Quality Deer Management Association (1991-present)
 Forest Plant ID Subcommittee, Southern Weed Science Society (1995-2001)

Honor Societies

Sigma Xi
 Phi Kappa Phi
 Xi Sigma Pi
 Gamma Sigma Delta

Editorship or Editorial Board Member of Journals

European Journal of Wildlife Research (Editorial Board Member 2001- present)

Meetings and conferences organized or chaired

- Scientific Steering Committee, Biology of Deer Conference, Prague, Czech Republic (2005-2006)
- Coordinator - Deer Management Workshop, Biology of Deer Conference, Prague, Czech Republic (2006)
- Session Moderator; 27th Annual Meeting Southeast Deer Study Group, Lexington, KY (2004)
- Session Moderator; 26th Annual Meeting Southeast Deer Study Group, Chattanooga, TN (2003)
- Session Moderator, 3rd Annual Convention, Quality Deer Management Association, Lafayette, LA (2003)
- Session Moderator; 8th Annual Meeting, The Wildlife Society, Reno, NV (2001)
- Abstract Reviewer; 8th Annual Meeting, The Wildlife Society, Reno, NV (2001)

Manuscript Referee since 2000

European Journal of Wildlife Research: 2006(2), 2005(6), 2004(4), 2003(3), 2002(4)
Castanea: 2002(1)
Southeastern Naturalist: 2005(1), 2003(1), 2002(1)
Ecological Applications: 2002(1)
Journal of Mammalogy: 2000(2)
Journal of the Elisha Mitchell Scientific Society: 2001(1)
Acta Theriologica: 2002(1), 2001(1)
Proceedings of the Southeastern Association of Fish and Wildlife Agencies: 2006(1), 2004(1), 2003(1), 2002(1), 2001(1), 2000(1),
Wildlife Society Bulletin: 2003(2), 2000(1),
Canadian Journal of Forest Research: 2005(1), 2003(1),
Southern Journal of Applied Forestry: 2006(1), 2005(1), 2004(1),
Journal of Wildlife Management: 2006(1), 2003(1), 2002(3), 2001(1), 2000(2),
Ethology: 2005(1), 2003(1)
Forest Ecology and Management: 2005(1), 2004(1)
Acta Ethologica: 2004(1)
Southwestern Naturalist: 2005(1)
Integrated Environmental Assessment and Management: 2005(1)
New Forests: 2005(1)

Proposal Reviews since 2001

SCI Foundation, Small Grants Program, Scientific Review Panel (2005-present)
CRIS, McIntire-Stennis. Avian communities in managed Southeastern Forests. Mississippi State Univ. (2003)

National Research Initiative Comp. Grants Program (NRICGP): Managed Ecosystems. Review Panelist (2002)

National Institutes of Health, Small Business Innovation Research, Infectious Diseases and Microbiology Study Section, (2001)

Sustainable Forest Management Network and Forestry Canada, University of Alberta, Canada (2001)

U. S. Department of Agriculture, National Research Initiative: 2006

Professional Service

Invited presenter: Evaluation of Strategies designed to reduce deer-vehicle collisions @ Congressional Sportsman's Caucus Breakfast, Capitol Hill, Washington, D.C. (2005)

Participant: White-tailed deer management think-tank. Hosted by Quality Deer Management Association, Athens, GA (2005)

Steering Committee: Center for Research Excellence, Sand County Foundation Bradley Fund for the Environment (2000-present)

Advisor: Evaluation of harvest data from Kinqua Quality Deer Management Cooperative for Sand County Foundation (2005)

Peer Reviewer: Georgia Pacific Group Certification Scheme. Scientific Certification Systems – Forest Conservation Program (2001)

Invited Panel Discussant. Alternative deer management strategies for Pennsylvania. Pennsylvania Game Commission, State College, PA (2002)

Peer Reviewer: Southern Forest Resources Assessment "What are the likely effects of expanding human populations, urbanization, and infrastructure development on wildlife and their habitats?" (2001)

Advisor, White-tailed deer Management Plan, Great Swamp National Wildlife Refuge, U.S. Fish and Wildlife Service (2001-2003)

Scientific Advisory Board: Texas Deer Association (1999-present)

Advisor: Low Country Institute – Land management activities on Spring Island, SC (1998-present)

Advisor: Georgia Forestry for Wildlife Partnership Program, Georgia Department of Natural Resources and corporate forest landowners

Other reviews

Provided review of 'Population Analysis of Delmarva Fox Squirrel Populations' PVA analysis model for US Fish and Wild. Serv., Chesapeake Bay Field Office (2003)

Provided review of ESH (early successional habitat) Project for the Tallulah Ranger District, Chattahoochee- Oconee National Forests (2002)

Provided review of 'Quality Deer Management: Guidelines for Implementation' for Tenn. Coop. Ext. Serv. (2002).

Provided reviews of Thurmond Project: Catfish Bay Peninsula Management Plan, U. S. Department of Army, Corps of Engineers, Clarks Hill, SC. (2002)

Provided review of 'Final Draft Report – Herbicides and Wildlife Habitat' for the National Council of the Paper Industry for Air and Stream Improvement, Inc.

University of Georgia Service since 2001

University Administrative Service

Member, Search Committee - Asst. Vice President for Research and Director of Research Compliance - 2004

Member, Institutional Animal Care and Use Committee (Appointed by President Adams, September 1997)

Member, University Review Committee - Professional & Applied Studies - A,
(Appointed by Provost Mace,
August 2003 - through 2006)

School of Forest Resources Committee Service

Member, Search Committee, Dean Warnell School of Forestry and Natural Resources (2006-7)

Member, Search Committee, Fisheries Management (2006-7)

Chair, Search Committee, Wildlife Disease Specialist (2005-2006)

Chair, Search Committee, Wildlife Ecologist/Herpetologist (2004-2005)

Member, Promotion and Tenure Committee (2004-2005)

Chair, Post-tenure Review Committee (2003)

Member, Search Committee, Silviculture and Applied Forest Ecologist (2002)

Member, Lands Committee (2000-2006)

Member, Graduate Affairs Committee (2000-2006)

Chair, Search Committee, Extension Wildlife Ecologist (2000-2001)

Member, Search Committee, Wildlife Ecologist (2000 - 2001)

Member, Promotion and Tenure Committee (2000-2001)

Chair, Research Review and Coordination Committee (1997-2006)

Member, E. L. Cheatum Award Committee (1996-2007)

Rebecca Moore
mail: RMoore@warnell.uga.edu
Phone: (706)583-8932
Warnell School of Forestry and Natural Resources
University of Georgia, Athens, GA 30602

Research Interests

- Natural Resource and Environmental Economics, with an emphasis on water resource management, non-market valuation, and dynamic programming
- Applied econometrics, including spatial analysis
- Integrated economic-ecological modeling

Education

Ph.D., University of Wisconsin- Madison, Agricultural and Applied Economics, August 2006
Dissertation Committee: Richard Bishop (chair), Bill Provencher, David Lewis
Dissertation Title: *Essays on Non-Market Valuation: Innovations in Theory and Methods*

B.A., University of Colorado- Boulder, Geology, December 2000

Appointments

Assistant Professor, Natural Resource Economics, Daniel B. Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA (July 2006 – present)

Publications

Provencher, Bill, and Rebecca Moore (2006) “A Discussion of ‘Using Angler Characteristics and Attitudinal Data to Identify Environmental Preference Classes: A Latent-Class Model’” *Environmental and Resource Economics* **34**: 117-124.

Macpherson, Alexander, Rebecca Moore, and Bill Provencher (2006) “A Dynamic Principle-Agent Model of Human Mediated Aquatic Species Invasions.” *Agricultural and Resource Economics Review* **35(1)**: 144-154.

Champ, Patricia A., Richard C. Bishop and Rebecca Moore. (2005). “Approaches to Mitigating Hypothetical Bias.” Proceedings from 2005 Western Regional Research Project W-1133: Benefits and Costs in Natural Resource Planning, Salt Lake City, UT.

In prep

Moore, Rebecca, Rich Bishop, Patty Champ, and Bill Provencher, “Uncertain respondents, hypothetical bias, and contingent valuation: The consequences of modeling the wrong decision”.

Moore, Rebecca, Rich Bishop, and Bill Provencher, "Valuation of a Spatially Complex Non-Market Good: The Benefits of Reduced Non-point Source Pollution in Green Bay, WI".

Moore, Rebecca and Bill Provencher, "Using Attitudes to Characterize Heterogeneous Preferences".

Moore, Rebecca, "Making Heads or Tails of the Exotic Pet Market: A Conservation Solution or an Invasive Species Pathway?"

Other Activities

Weather and Society * Integrated Studies, panel member (2005 – 2006)

- Awarded selection in competitive 2-week workshop funded by NCAR (National Center for Atmospheric Research) and USWRP (United States Weather Research Program).
- Aims to empower practitioners, researchers, and stakeholders to forge new relationships and use new tools to better integrate weather and social science for more effective socio-economic applications and evaluations of weather products.

Delta Program, member (2004 – 2006)

- NSF sponsored community for faculty, academic staff, post-docs, and graduate students to help current and future faculty think and learn about higher education.
- Activities include semester long discussion groups and monthly seminars on various aspects of university teaching.

CV FOR DR. DOUGLAS L. PETERSON

1. ACADEMIC HISTORY

Name: Dr. Douglas L. Peterson
Present Rank: Associate Professor
Recommended Rank: Associate Professor
Proportion Time Assignment: 50% Teaching, 50% Research
Tenure Status: Tenure-track
Graduate Faculty Status: Full Member
Highest Degree: Ph.D. The Pennsylvania State University, 1997

Academic Positions:

Associate Professor, University of Georgia, Athens, GA, Mar 2007 to present.
Assistant Professor, University of Georgia, Athens, GA, Aug 2001 to Mar 2007.
Assistant Professor, Central Michigan University, Mt. Pleasant, Michigan, August 1998 to Aug 2001.
Post Doctoral Research Assistant, Cornell University, Ithaca, NY, Feb 1997 to Aug 1998.

Post-Graduate Awards

State of Michigan Research Excellence Award, Central Michigan University, Mt. Pleasant Michigan 1999

2. RESIDENT INSTRUCTION AND CONTINUING EDUCATION NARRATIVE

Courses of Instruction:

University of Georgia

| | | |
|---|--|-----------|
| FRES 1010 Spring 2004 | Freshman Seminar – Go Fish! | 1 credit |
| FORS 1100 Spring 2003, & Spring 2007 | Natural Resource Conservation | 3 credits |
| FORS 4360 Spring 2005 | Fish Ecology | 4 credits |
| FORS 5250/7250 Summer 2004 | International Studies – Biology and Mgmt of Salmon in [B.C. Canada] | 4 credits |
| FORS 5360/5360L Annually from Fall 2001 - 2006 | Fisheries Management | 4 credits |
| FORS 5930 Spring 2002 | Special Topics – Ichthyology | 4 credits |
| FORS 5930 Spring 2006 | Independent Study – Fish Ecology | 4 credits |
| FORS 8300 Spring 2003, Spring 2004 | Fisheries Seminar | 2 credits |

Central Michigan University

| | | |
|---------------------------|-----------------------------------|-----------|
| BIO 240 | Conservation of Natural Resources | 3 credits |
| Fall & Spring 1998 - 2001 | | |
| BIO 363 | Fisheries Conservation | 1 credit |
| Fall & Spring 1998 - 2001 | | |
| BIO 509 | Ichthyology | 4 credits |
| Spring 1999-2001 | | |
| SCI 197 | Scientific Communications | 3 credits |
| Fall 1998 - 2001 | | |

Academic Advising

Undergraduate advising: average load of 2-6 undergraduate majors per semester
(total of 14 since Aug 2001).

Graduate advising: major advisor to 10 M.S. candidates and 1 Ph. D. candidate. Served
on graduate committees of 3 other M.S. students.

3. SCHOLARLY ACTIVITIES

a. Publications

(1) Books authored or co-authored:

- 1) Kynard, B. and D. Peterson: Behavior and life history of Connecticut River Shortnose Sturgeon. American Fisheries Society, Bethesda, MD. (book proposal accepted, manuscript in review)

(2) Books edited or co-edited

(3) Chapters in books

* Publications which have gone through stringent peer-review process.

Senior author was graduate student of D. Peterson

@ Invited publications

- 1) *@ Peterson, D., B. Gunderman, and P. Vecsei. 2002. Lake Sturgeon of the Manistee River: a current assessment of Spawning stock size, age, and growth. *In: Biology, Management, and Protection of North American Sturgeon. American Fisheries Society Symposium 28:175-183.*
- 2) *#@ Vecsei, P. and **D. Peterson**. 2004. Sturgeon Ecomorphology: a descriptive approach. *In: Sturgeons and Paddlefish of North America. (Eds) R. S. McKinley, F.W.H. Beamish, and G.T.O. Lebreton. Kluwer Academic Press. Pp 103-133.*

(4) Monographs

None

(5) Journal Articles

* Publications which have been peer-refereed.

Senior author was graduate student of D. Peterson

@ Invited publications

- 1) * Zeigeweid, J., C. Jennings, **D. Peterson**, and M. Black. 2007. Critical thermal maximum of juvenile shortnose sturgeon. *Environmental Biology of Fishes*. (in press)
- 2) Wrona, A., D Wear, J. Ward, R Sharitz, J. Rosenzweig, J. P. Richardson, **D. Peterson**, S. Leach, L. Lee, R. Jackson, J. Gordon, M. Freeman, O. Flite, G. Eidson, M. Davis, and D. Batzer. 2007. Restoring Ecological Flows to the Lower Savannah River: A Collaborative Scientific Approach to Adaptive Management, in Rasmussen TC, GD Carroll, AP Georgakakos (eds.), *Proceedings of the 2007 Georgia Water Resources Conference*, held March 27–29, 2007, at the University of Georgia, p. 538-549.
- 3) ***Peterson, D.**, P. Schueller, R. Devries, J. Fleming, I. Wirgin, and C. Grunwald. 2007. Annual Run Size and Genetic Characteristics of Atlantic Sturgeon in the Altamaha River, Georgia. *Transactions of the American Fisheries Society*. (Accepted)
- 4) *Bezold, J. and **D. Peterson**. 2007. Lake sturgeon reintroduction in the Coosa River system, Georgia. M.S. Allen, S.M. Sammons, and M.J. Maceina, editors. *Balancing fisheries management and water uses for impounded river systems*. American Fisheries Society Symposium X. (Accepted).
- 5) *Bain, M.B., N. Haley, **D. Peterson**, K. Arend, K. Mills, and P.J. Sullivan. 2006. Recovery of a US endangered fish. *PLoS One*. 2(1): e168. doi:10.1371/9 pp.
- 6) ***Peterson, D.**, P. Vecsei, and C. Jennings. 2006. Ecology and biology of lake sturgeon: a synthesis of knowledge of a threatened North American Acipenseridae. *Reviews in Fish Biology and Fisheries*. 17:59-76.
- 7) *Artyukhin, E., P. Vecsei, and **D. Peterson**. 2006. Morphology and ecology of Pacific sturgeons. *Environmental Biology of Fishes*. 10.1007/s10641-006-9157-6. 13 pp.
- 8) *# Vecsei, P. and **D. Peterson**. 2006. Threatened fishes of the world: *Acipenser stellatus* (Acipenseridae). *Environmental Biology of Fishes*. 78:211-212
- 9) *# Vecsei, P. and **D. Peterson**. 2006. Threatened Fishes of the World: *Acipenser ruthenus* (Acipenseridae). *Environmental Biology of Fishes*. 10.1007/s10641-006-6659-1. 2 pp.
- 10) ***Peterson, D.**, J. Peterson, and R. Carline. 2005. Effects of zooplankton abundance on survival of stocked walleye fry in five Pennsylvania reservoirs. *Journal of Freshwater Ecology* 21:121-129.
- 11) *Wirgin, I., C. Grunwald, E. Carlson, J. Stabile, **D. Peterson**, and J. Waldman. 2005. Range-wide population structure of shortnose sturgeon *Acipenser brevirostrum* based on sequence analysis of the mitochondrial DNA control region. *Estuaries* 28: 406 – 421.
- 12) * **Peterson, D.**, P. Vecsei, and D. Noakes. 2003. Threatened fishes of the world: *Acipenser fulvescens* Rafinesque, 1817 (Acipenseridae). *Environmental Biology of Fishes*. 68:174
- 13) *# Vecsei, P. and **D. Peterson**. 2002. Threatened fishes of the world: *Huso huso* (Linnaeus, 1758) (Acipenseridae). *Environmental Biology of Fishes* 65 (3):363-365.
- 14) *# Vecsei, P. and **D. Peterson**. 2002. Threatened fishes of the world: *Acipenser nudiiventris* Lovetsky, 1828 (Acipenseridae). *Environmental Biology of Fishes* 65: 455-456.

- 15) *# Caswell, N, **D. Peterson**, B. Manny, and G. Kennedy. 2002. Spawning by lake sturgeon (*Acipenser fulvescens*) in the Detroit River. *Journal of Applied Ichthyology* 20:1-6.

(6) Bulletins or Reports

- 1) Caswell, Nathan, **D. Peterson**, B. Manny, and G. Kennedy. 2002. Lake sturgeon spawning in the Detroit River. Technical Report to the Environmental Protection Agency, Great Lakes Grant Number: GL97505001. 22 pp.
- 2) **Peterson, D.** 2003. Review of biological information regarding potential risks from the intensive aquaculture of Siberian Sturgeon in Georgia. Technical Report to the Georgia Department of Natural Resources. 11 pp.
- 3) Seider, M. and **D. Peterson**. 2003. Population dynamics of smallmouth bass in the Beaver Archipelago of northern Lake Michigan. Technical Report to the Michigan Department of Natural Resources. 96 pp.
- 4) **Peterson, D.**, P. Vecsei. 2004. Lake Sturgeon of the Muskegon River: population dynamics & life history. Technical Report to the Great Lakes Fishery Trust. 33 pp.
- 5) Kornberg, J., and **D. Peterson**. 2004. New methods for intensive culture of lake sturgeon in Georgia. Technical report to the Georgia Department of Natural Resources, Project F-75. 13 pp.
- 6) **Peterson, D.** Schueller P., and R. Devries. 2006. Life history and essential habitats of Atlantic sturgeon in the Altamaha River. Technical Report to the National Marine Fisheries Service.
- 7) **Peterson, D.**, R. Devries, and M. Harris. 2006. Population dynamics and critical habitats of Atlantic sturgeon in the Altamaha River. Technical Report to the National Fish and Wildlife Federation.
- 8) **Peterson, D.** 2006. Establishing a recirculating aquaculture system for the intensive culture of Siberian sturgeon. Business plan submitted to the UGA Biobusiness Center.

(7) Abstracts – published in conference proceedings

- Peterson, D.**, and R. Devris. 2006. Population dynamics and critical habitats of shortnose sturgeon in the Altamaha River, Georgia. The 136nd American Fishery Society Annual Meeting. Lake Placid, NY.
- Schueller, P., and **D. Peterson**. 2006. Spawning Stock Composition and Migratory Characteristics of Adult Atlantic Sturgeon in the Altamaha River, Georgia. The 136nd American Fishery Society Annual Meeting. Lake Placid, NY.
- Bezold, J., and D. Peterson. 2006. Reintroduction of lake sturgeon in the Coosa River system of northwest Georgia. Annual Meeting of the Southern Division of the American Fisheries Society. Lake Placid, NY.
- Vecsei, P., and **D. Peterson**. 2005. Biology, management, and status of lake sturgeon in the Great Lakes. Annual Canadian Conference of Fish & Fisheries Research. Windsor, Canada.
- Vecsei, P., and **D. Peterson**. 2004. Lake sturgeon of the Muskegon River: population dynamics and life history. National Meeting of the American Fisheries Society. Madison, WI.

- DeVries, R., D. Higginbotham, and **D. Peterson**. 2004. Status and life history of the shortnose sturgeon in the Altamaha River, Georgia. Annual Meeting of the American Fisheries Society. Madison, WI.
- Marion, C., and **D. Peterson**. 2004. Restoration of lake sturgeon in the Coosa River, GA. Annual Meeting of the American Fisheries Society. Madison, WI.
- Kornberg, J., and **D. Peterson**. 2004. New methods for intensive culture of lake Sturgeon using natural and artificial diets. Annual Meeting of the American Fisheries Society. Madison, WI.
- Marion, C., **D. Peterson**. 2004. Reintroduction of lake sturgeon in the Coosa River system of northwest Georgia. Annual Meeting of the Southern Division of the American Fisheries Society. Oklahoma City, Ok.
- Kornberg, J. and **D. Peterson**. 2004. Techniques for converting juvenile lake sturgeon, *Acipenser fulvescens*, to a commercial diet. Annual Meeting of the Southern Division of the American Fisheries Society. Oklahoma City, Ok.
- Vecsei, P., and **D. Peterson**. 2004. Population Dynamics & Life History of Lake Sturgeon in the Muskegon River, Michigan: Primary Steps Toward rehabilitation of a remnant stock. Annual Meeting of the Southern Division of the American Fisheries Society. Oklahoma City, Ok.
- Peterson, D.** and M. Bain. 2002. Sturgeon of the Hudson River: current status and recent trends of Atlantic & shortnose sturgeon. The 132nd American Fishery Society Annual Meeting. Baltimore, Maryland.

(8) Book Reviews

- Chiras, D. D., and J.P. Reganold. 2005. Natural Resource Conservation, 9th edition. Prentice Hall, Upper Saddle River, NJ.

(9) Works Submitted

- * submitted to peer-refereed journals
- * Zeigeweid, J., C. Jennings, **D. Peterson**, and M. Black. 2007. Temperature and salinity tolerances of shortnose sturgeon. Transactions of the American Fisheries Society. (In Review, submitted Feb 2007)
- * **Peterson, D.**, Artyukhin, E. and P. Vecsei. Biology and management of stellate sturgeon, *Acipenser stellatus*, in the Ponto Caspian Region. Reviews in Fish Biology and Fisheries.
- * **Peterson, D.**, Artyukhin, E. and P. Vecsei. (in review). Ecology and biology of the beluga sturgeon, *Huso huso*, Acipenseridae. Reviews in Fish Biology and Fisheries.

(10) Any other:

Creative Contributions other than formal publications

Federal Endangered Species Permit

Peterson, D. 2002. National Marine Fisheries Service (NMFS) Application for Endangered Species Permit for Collection of shortnose sturgeon on the Altamaha River. National Marine Fisheries Service. Granted 2004.

Regional and National Television Appearances

Georgia Outdoors Episode #1512: *Myths and Legends*. Georgia Public Television.

Georgia Outdoors Episode #1502: *Sea Creatures*. Georgia Public Television.

Special Nature Presentation: *Sturgeon: eggs to die for*. Nature special to air on National Public Television in 2007 on Dr. Peterson's ongoing studies of Atlantic sturgeon on the Altamaha River in southeast Georgia.

b. Grants Received

1. Research – University of Georgia (\$2,086,642)

2006-07

Population Viability Analysis of the Endangered Shortnose Sturgeon (*Acipenser brevirostrum*). Strategic Environmental Research and Development Program (SERDP). 2007-2009, \$161,000

PISCES – Petrossian Institute for the Science and Conservation of Endangered Sturgeons. A proposal to the Georgia Research Alliance for the commercial aquaculture of Russian sturgeon in Georgia. 2007. \$50,000.

2005

Population dynamics, critical habitats, and factors affecting abundance of Atlantic Sturgeon in the Altamaha River. National Marine Fisheries Service. 2006-2009. \$276,000. PI.

Population dynamics and essential habitats of shortnose sturgeon in the Ogeechee River, GA. National Marine Fisheries Service. 2006-2009. \$225,900. PI.

*A risk assessment for tilapia culture in Georgia: potential impacts on sport fisheries. GDNR. 2006-2008. \$53,500. Co-PI.

2004

Status Assessment of Remnant Lake Sturgeon Populations in the Lake Michigan Basin – Muskegon River Subproject. Great Lakes Fishery Trust. 2004-2006 \$48,645. PI

Intensive Culture of Walleye Fingerlings in Georgia. Faculty Research Grant, UGA. 2004. \$4,525. PI.

2003

Population dynamics and essential habitats of Atlantic sturgeon in the Altamaha River. National Marine Fisheries Service. 2003-2007. \$200,478. PI.

Population dynamics and critical habitats of shortnose sturgeon in the Altamaha River. National Marine Fisheries Service. 2003-2006. \$210,000. PI.

Population dynamics and critical habitats of Atlantic sturgeon in the Altamaha River. National Fish & Wildlife Foundation. 2003. \$40,000. PI

Reintroduction of lake sturgeon in the Coosa River, Georgia. GDNR. 2002-2007. \$299,912. PI.

2002

Fish community response to commercial operation of the Richard B. Russell Pump-Storage Hydropower Facility on the Savannah River, GA-SC. U.S. Department of the Interior. 2002-2007. \$512,182. Co-PI.

Feasibility of Siberian sturgeon aquaculture in Georgia. Warnell School of Forest Resources. \$55,000. PI.

2001

Population dynamics of lake sturgeon in the Muskegon River, Michigan. Great Lakes Fishery Trust. 2001-2003. \$99,900. PI.

c. Recognitions and Outstanding Achievements

1. 2006. Selected as one of 6 nationally recognized scientists to review the 2006 status review report which will evaluate the need to list the Atlantic sturgeon under the Endangered Species Act.
2. 2005-2006. Three awards for “best paper” given to presentations co-authored by Dr. Peterson and his graduate students at various scientific meetings.
3. 2003-2006. At the request of GDNR, Dr Peterson served as the official state representative to the Atlantic Sturgeon Technical Committee meeting of the National Marine Fisheries Service.
4. Spring 2005. Invitation to visit and study the scientific collections of Russian sturgeon at the St. Petersburg National Museum, St. Petersburg, Russia. Dr. Peterson funded his PhD student to attend and collect morphological data from the restricted access collections in the museum. Data collected was used in several recently published papers.
5. Summer 2005. Invitation to present a paper on sturgeon research at the 5th World Sturgeon Symposium, Iran. Because of security concerns, Dr. Peterson did not attend.
6. Fall 2005. Invitation to participate in international expedition to study resource polymorphisms in lake char of the arctic region. Great Bear Lake, Canada. Dr. Peterson participated in study along with Canadian researchers from Dalhousie University. A manuscript is now in preparation.
7. Summer 2004. Hosted US Secretary of the Interior, Gale Norton, on a field trip to the Altamaha River to see shortnose sturgeon.

d. Areas in which research is done

- Fisheries management
- Life history and ecology of sturgeon
- Sturgeon aquaculture
- Population dynamics of exploited fishes

e. Supervision of student research

Academic Advising: () degree in progress, date of anticipated graduation
 * will enroll Fall 2007 or Jan 2008

| <u>Student:</u> | <u>Degree:</u> | <u>Institution</u> | <u>Role:</u> |
|------------------|----------------|--------------------|------------------------|
| Kregg Smith | M.S. 2001 | CMU | Committee chair Lauren |
| Yoemans | M.S. 2001 | CMU | Committee chair |
| Josh Lallaman | M.S. 2001 | CMU | Committee chair |
| David Wooten | M.S. 2001 | CMU | Committee member |
| Catherine Peters | M.S. 2002 | CMU | Committee member |
| Michael Seider | M.S. 2003 | UGA | Committee chair |
| Cathy Marion | B.S. 2004 | UGA | Senior thesis advisor |
| Rob DeVries | M.S. 2006 | UGA | Committee chair |
| Jeff Zeigeweid | M.S. 2007 | UGA | Committee member |
| Michael Rosa | B.S. 2007 | UGA | Senior thesis advisor |
| Paul Vecsei | Ph.D.(2007) | UGA | Committee chair |
| Paul Schueller | M.S. (2008) | UGA | Committee chair |
| Justin Bezold | M.S. (2007) | UGA | Committee chair |
| Shane Kornberg | M.S. (2007) | UGA | Committee chair |
| Julie Wilson | M.S. (2008) | UGA | Committee member |
| *Daniel Farrae | M.S. (2009) | UGA | Committee chair |
| *Mike Bednarski | Ph.D. (2010) | UGA | Committee chair |

f. Editorship or editorial board member of journals or other learned publications

- Editor, AFS Special Publication, Biology and Management of Shortnose Sturgeon
- Associate Editor, North American Journal of Fisheries Management, 2004-2006

h. Convention Papers (Conference Presentations)

* Invited

National or International Meeting

^ Senior author was graduate student of D. Peterson

^Bezold, J. and D. Peterson. 2007. Lake sturgeon restoration in the Coosa River, Georgia. Annual Meeting of the Southern Division of the American Fisheries Society. Memphis, TN.

(2nd Place – Best Paper)

^Schueller, P., and D. Peterson. 2007. Gonadal Maturity of Atlantic Sturgeon in the Altamaha River, Georgia. National Meeting of the American Fisheries Society. Lake Placid, New York. **(2nd Place – Best Paper)**

*Peterson, D. 2007. Feasibility of commercial sturgeon aquaculture in Georgia. Presentation for the GA Biobusiness Center. Athens, GA.

*Peterson, D. R. Martin, and J. Isely. 2006. Gulf Sturgeon of the Apalachicola River: dammed if you do... Dammed if you don't. 2006 Water Resources Conference. Albany, GA.

#Peterson, D. 2006. Population dynamics and seasonal habitat use of shortnose sturgeon in the Altamaha River, GA. Georgia. National Meeting of the American Fisheries Society. Lake Placid, New York.

- #^Bezold, J. and D. Peterson. 2006. Reintroduction of lake sturgeon in the Coosa River, Georgia. National Meeting of the American Fisheries Society. Lake Placid, New York.
- #^Schueller, P., and D. Peterson. 2006. Population dynamics and critical habitat of Atlantic sturgeon in the Altamaha River, GA. National Meeting of the American Fisheries Society. Lake Placid, New York.
- *#Peterson, D. 2006. The Atlantic Sturgeon in the Altamaha River, Georgia: a brief summary of recent and future research efforts. Presentation to the Atlantic Sturgeon Technical Committee of the National Marine Fisheries Service. Washington, DC.
- *D. Peterson, and J. Bezold. 2006. Reintroduction of lake sturgeon in the Coosa River, Georgia. Presentation to the Cooperators of the Georgia Cooperative Fish and Wildlife Research Unit. Athens, Georgia.
- ^Bezold, J., and D. Peterson. 2006. Reintroduction of lake sturgeon in the Coosa River, Georgia. Annual Meeting of the Southern Division of the American Fisheries Society. San Antonio, Texas.
- ^Schueller, P., and D. Peterson. 2006. Population dynamics and critical habitat of Atlantic sturgeon in the Altamaha River, GA. Annual Meeting of the Southern Division of the American Fisheries Society. San Antonio, Texas.
- ^DeVries, R., and D. Peterson. 2006. Population dynamics shortnose sturgeon in the Altamaha River, GA. Georgia. Annual Meeting of the Southern Division of the American Fisheries Society. San Antonio, Texas.
- ^Bezold, J., and D. Peterson. 2006. Reintroduction of lake sturgeon in the Coosa River, Georgia. Annual Meeting of the Georgia Chapter of the American Fisheries Society. Gainesville, GA. **(best paper)**.
- ^Schueller, P., and D. Peterson. 2006. Population dynamics and critical habitat of Atlantic sturgeon in the Altamaha River, GA. Annual Meeting of the Georgia Chapter of the American Fisheries Society. Gainesville, Georgia.
- ^Schueller, P., and D. Peterson. 2006. Population dynamics and critical habitat of Atlantic sturgeon in the Altamaha River, Georgia. Annual WSNR Graduate Student Symposium. Athens, Georgia. **(best paper)**.
- ^Bezold, J., and D. Peterson. 2006. Reintroduction of lake sturgeon in the Coosa River, Georgia. Annual WSNR Graduate Student Symposium. Athens, Georgia.
- ^DeVries, R., and D. Peterson. 2005. Status of shortnose sturgeon in the Altamaha River, GA. Georgia. Annual Meeting of the Georgia Chapter of the American Fisheries Society. G.T. Bagby State Park, Georgia. **(best paper)**.
- ^Kornberg, J., and D. Peterson. 2005. Advances in culture methods of juvenile lake sturgeon, *Acipenser fulvescens*, using natural and artificial diets. Annual Meeting of the Georgia Chapter of the American Fisheries Society. G.T. Bagby State Park, Georgia.
- *#^Vecsei, P., and D. Peterson. 2005. Biology, management, and status of lake sturgeon in the Great Lakes. Annual Canadian Conference of Fish & Fisheries Research. Windsor, Canada.
- *D. Peterson, and J. Bezold. 2005. Reintroduction of lake sturgeon in the Coosa River, Georgia. Presentation to the Cooperators of the Georgia Cooperative Fish and Wildlife Research Unit. Athens, Georgia.
- *#Peterson, D. 2004. The Atlantic sturgeon in Georgia: status and bycatch. Annual Meeting of the Atlantic States Marine Fisheries Commission. Chapel Hill, NC.

- #^Vecsei, P., and D. Peterson. 2004. Lake sturgeon of the Muskegon River: population dynamics and life history. National Meeting of the American Fisheries Society. Madison, Wisconsin.
- #^DeVries, R., D. Higginbotham, and D. Peterson. 2004. Status and life history of the shortnose sturgeon in the Altamaha River, Georgia. Annual Meeting of the American Fisheries Society. Madison, Wisconsin.
- #^Marion, C., and D. Peterson. 2004. Restoration of lake sturgeon in the Coosa River, GA. Annual Meeting of the American Fisheries Society. Madison, WI.
- #^Kornberg, J., and D. Peterson. 2004. New methods for intensive culture of lake Sturgeon using natural and artificial diets. Annual Meeting of the American Fisheries Society. Madison, Wisconsin.
- *Peterson, D. 2004. Assessment of fisheries reintroductions. Technical meeting of the GDNR Fisheries Division. Lake Blackshear, Georgia.
- *#Peterson, D. 2004. Shortnose sturgeon of the Altamaha River. Technical meeting of the National Marine Fisheries Service. Silver Springs, Maryland.
- *#Peterson, D. 2004. Methods of sampling shortnose sturgeon in coastal rivers. Technical meeting of the National Marine Fisheries Service. Silver Spring, Maryland.
- ^Marion, C., D. Peterson. 2004. Reintroduction of lake sturgeon in the Coosa River system of northwest Georgia. Annual Meeting of the Southern Division of the American Fisheries Society. Oklahoma City, Oklahoma.
- ^Kornberg, J. and D. Peterson. 2004. Techniques for converting juvenile lake sturgeon, *Acipenser fulvescens*, to a commercial diet. Spring Meeting of the Southern Division of the American Fisheries Society. Oklahoma City, Oklahoma.
- ^Vecsei, P., and D. Peterson. 2004. The Muskegon lake sturgeon: population dynamics & life history. Annual WSFNR Graduate Student Symposium. Athens, Georgia. (**best paper, runner up**)
- ^Vecsei, P., and D. Peterson. 2004. Population dynamics & life history of lake sturgeon in the Muskegon River, Michigan: preliminary steps toward rehabilitation of a remnant stock. Southern Division of the American Fisheries Society. Oklahoma City, Oklahoma.
- ^Marion, C. and D. Peterson. 2004. Reintroduction of lake sturgeon in the Coosa River system of northwest Georgia. Georgia Chapter of the American Fisheries Society. Athens, Georgia.
- ^Vecsei, P., and D. Peterson. 2004. The Muskegon lake sturgeon: population dynamics & life history. Georgia Chapter of the American Fisheries Society. Athens, GA.
- ^Kornberg, J. and D. Peterson. 2004. Techniques for converting juvenile lake sturgeon, *Acipenser fulvescens*, to a commercial diet. Georgia Chapter of the American Fisheries Society. Athens, Georgia.
- ^Peterson, D. 2003. Reintroduction of lake sturgeon in the Coosa River, Georgia. Georgia Chapter of the American Fisheries Society. Barry College, Georgia.
- *#Peterson, D. 2003. The Atlantic sturgeon in Georgia: status and bycatch. Presentation to the Atlantic States Marine Fisheries Commission as official representative to the State of Georgia. Raleigh, North Carolina.
- ^Seider, M. and D. Peterson. 2003. Population dynamics of smallmouth bass in the Beaver Islands, Michigan. Georgia Chapter of the American Fisheries Society. Barry College, Georgia. (**best paper, runner up**)
- Peterson, D., and P. Vecsei. Lake sturgeon of the Muskegon River. Presentation to the Lake Michigan Lake Sturgeon Task Group. Menominee, Wisconsin.

*# Peterson, D. and M. Bain. 2002. Sturgeon of the Hudson River: current status and recent trends of Atlantic & shortnose sturgeon. The 132nd American Fishery Society Annual Meeting – Baltimore, Maryland.

Peterson, Douglas L. and B. Gunderman. 2001. Population Dynamics of lake sturgeon in the Manistee River. The 4th International Sturgeon Symposium. Oshkosh, Wisconsin.

#^ Caswell, Nathan and D.L. Peterson. 2001. Lake Sturgeon spawning in the Detroit River. The 4th International Sturgeon Symposium. Oshkosh, Wisconsin.

#^ Smith, Kregg, and D.L. Peterson. 2001. Recruitment dynamics of lake sturgeon in Black Lake, Michigan. The 4th International Sturgeon Symposium, Oshkosh, WI.

4. Public Service

- Scientific advisor, Environmental Protection Division, Georgia Department of Natural Resources. Gulf Sturgeon Recovery Team for the Apalachicola-Chatahoochee-Flint River Basin. 2006.
- Peer reviewer of the NMFS Status Review Report on Atlantic sturgeon for potential listing under the Endangered Species Act
- Moderator, Technical Session titled “Freshwater Ecology”. 2006 Annual Meeting of the American Fisheries Society. Lake Placid, NY.
- Proposal Reviewer for Hudson River Foundation, 2002.
- Proposal reviewer, Great Lakes Fishery Trust, 2003.
- Reviewer for numerous journals: Transactions of the American Fisheries Society, North American Journal of Fisheries Management, Environmental Biology of Fishes, Southeastern Association of Fisheries Management, Progressive Fish Culturist,

5. Other Services

a. Membership in Professional Organizations

- The American Fisheries Society, since 1991
- Georgia Chapter, since 2001
- Ogeechee River Shortnose Sturgeon Working Group, 2002 to present
- Red Drum Stock Enhancement Subcommittee, since 2003
- Michigan Chapter, 1991-1993, 1998-2001

b. Community Service

- Director, Cohutta Fisheries Research and Extension Station. 2001 to present. The facility houses a public aquarium and several ongoing research projects. The number of public visitors, including those from local public schools, scout troops, etc. typically exceeds more than 1000 annually. As Director, Dr. Peterson also ensure that the facility regularly produces and donates catfish for numerous public service events including the Annual UGA fish fry, the Catoosa County Fishing Rodeo, and many other similar events
- Director, Warnell School of Forestry and Natural Resources (WSFNR) Whitehall Fisheries Lab, 2001- 2005.
- Faculty Advisor to the UGA student subunit of the American Fisheries Society

- Member, ad-hoc committee for instruction and oversight of FORS 1100 (Natural Resources Conservation)
- Member, WSFNR undergraduate affairs committee, 2003 - present.
- Member, WSFNR appeals subcommittee of undergraduate affairs committee, 2003-present.
- Member, College of Veterinary Medicine aquatic pathologist faculty search committee, 2006.
- Member, WSFNR GIS and remote sensing faculty search committee, 2005.
- Member, WSFNR Administrative Committee, 2006-2007.
- Member, WSFNR Fisheries search committee, 2006 -2007.
- Member, WSFNR Dean's Search Committee, 2006-2007.

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EDUCATION

Ph.D., December 1994. Oklahoma State University, Department of Zoology, Wildlife and Fisheries Ecology (Dissertation: Abundance and conservation of endangered interior least terns nesting on salt flat habitat)

M.S., August 1988. Texas Tech University, Department of Range and Wildlife Management, Wildlife Science (Thesis: Evaluation of forage species for improving deer habitat in the rolling plains)

B.S., May 1985. University of North Carolina, Chapel Hill, Biology

PROFESSIONAL EXPERIENCE

Professor of Wildlife Ecology and Management, D. B. Warnell School of Forest Resources, University of Georgia. (Assistant Professor, 1995-2000; Associate Professor, 2000-2006)

Adjunct Associate Professor, Department of Forest and Natural Resources, College of Agriculture, Forestry, and Life Sciences, Clemson University, 2002-present

AREAS OF RESEARCH

1. Ecology, management, and conservation of waterfowl, waterbirds, seabirds, and shorebirds, especially relative to human activities;
2. Response of avian communities to enhancement and restoration of upland and wetland habitats;
3. Responses of game- and nongame wildlife populations to land use practices and resource conservation programs.

PUBLICATIONS

Technical, Peer-refereed Publications

Spear, K.A., S.H. Schweitzer, R. Goodloe, and D.C. Harris. 2007. Effects of management strategies on the nesting success of least terns on dredge spoil in Georgia. *Southeastern Naturalist* 6:27-34.

Morgan, J.J., S.H. Schweitzer, and J.P. Carroll. 2006. Summer *Meleagris gallopavo silvestris* use of a landscape dominated by agriculture and *Pinus* spp. plantations. *Southeastern Naturalist* 5:637-648.

- Sabine, J.B., S.H. Schweitzer, and J.M. Meyers. 2006. Nest fate and productivity of American Oystercatchers, Cumberland Island National Seashore, Georgia. *Waterbirds* 29:308-314.
- Parnell, I.B., L.A. Lewis-Weis, S.H. Schweitzer, C.G. White, and J.P. Carroll. 2005. Northern bobwhite habitat use, survival, and nest success in a forest- and agriculture-dominated landscape. 2005 Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies 59:17-29.
- Sabine, J.B., J.M. Meyers, and S.H. Schweitzer. 2005. A simple, inexpensive video camera setup for the study of avian nest activity. *Journal of Field Ornithology* 76:293-297.
- White, C.G., S.H. Schweitzer, C.T. Moore, I.B. Parnell III, and L.A. Lewis. 2005. Evaluation of the landscape surrounding northern bobwhite nest sites: a multiscale approach. *Journal of Wildlife Management* 69:1528-1537.
- George, R.C., S.H. Schweitzer, and B. Winn. 2004. Reproductive success of American Oystercatchers at managed sites in Georgia. *The Oriole* 69:51-67.
- Moseley, K.R., S.B. Castleberry, and S.H. Schweitzer. 2003. Effects of prescribed fire on herpetofauna in bottomland hardwood forests. *Southeastern Naturalist* 2:475-486.
- Schweitzer, S.H., J.T. Ayers, and P.E. Hale. 2003. Response of plant and invertebrate communities to pothole blasting in a giant cutgrass marsh. *Proceedings of the Southeastern Association of Fish and Wildlife Agencies* 57:172-180.
- Whitehead, M.A., S.H. Schweitzer, and W. Post. 2002. Cowbird/host interactions in a southeastern old field: a recent contact area? *Journal of Field Ornithology* 73:379-386.
- Morgan, J.J., and S.H. Schweitzer. 2001. Eastern wild turkey hatching two clutches during the same breeding season. *Wilson Bulletin* 113:335-337.
- Parnell, I.B., III, L.A. Lewis, S.H. Schweitzer, and C.G. White. 2001. Response of a northern bobwhite, *Colinus virginianus*, population to thinning of pine plantations in southeastern USA. Pages 67-74 in J.C. Carroll, A. Musavi, and Z. Zheng-wang, eds. Proc. 2nd International Galliformes Symp., Kathmandu, Nepal.
- Schweitzer, S.H., C.F. Quist, G.L. Grimes, and D.L. Forster. 2001. Aflatoxin levels in corn available as wild turkey feed in Georgia. *Journal of Wildlife Diseases* 37:657-659.
- White, C.G., S.H. Schweitzer, P.E. Hale, L.A. Lewis, J.J. Morgan, and M.K. Schaeffbauer. 2001. Managing pine plantations within an agricultural landscape to enhance habitat for northern bobwhites, songbirds, and eastern wild turkeys. Pages 136-138 in R. Field, R.J. Warren, H. Okarma, and P.R. Sievert, eds. *Wildlife, Land, and People: Priorities for the 21st Century*. Proc. 2nd International Wildl. Manage. Congress, Gödöllo, Hungary.

Peer-edited Publications

Read, A.S., and S.H. Schweitzer. 2007. Experimental restoration of wiregrass communities: a preliminary comparison of herbicide treatments (Georgia). *Ecological Restoration* 25:60-61.

Lanham, J.D., J.E. Ellenberger, and S.H. Schweitzer. 2002. Improving Conservation Reserve Program pine plantations for songbirds. *Forest Landowner* 61:16-19.

Reports (* = *stringent review*)

Read, A.S., and S.H. Schweitzer. 2007. Experimental restoration of wiregrass (*Aristida stricta*) communities. Final Report to Georgia Department of Natural Resources, Wildlife Resources Division, Forsyth, GA. 18pp.

* Schweitzer, S.H., and A.B. McMellen. 2007. Establishment of native warm-season grasses within the southern Piedmont: responses of early successional birds; private landowners key to grassland habitat in the Southeast. Technical Report, USDA, NRCS, Wildlife Habitat Management Institute.

Schweitzer, S.H., and J.K. Reap. 2005. IDEAS Project Final Report: International Service Learning – Natural and Cultural Resources’ Conservation and Tourism in Bulgaria. Office of the Vice President for Public Service and Outreach, University of Georgia, Athens.

Schweitzer, S.H., E.P. Wiggers, and S.P. McGregor. 2005. Responses of rails to coastal marsh management. Annual Project Programmatic Report, National Fish and Wildlife Foundation. 7 pp.

Weng, G-J., and S.H. Schweitzer. 2005. Conservation genetics of an introduced mottled duck (*Anas fulvigula*) population. Annual Progress Report to Wildlife Forever. 9pp.

McMellen, A.B. and S.H. Schweitzer. 2004. Annual progress report: Avian response to the re-establishment of native warm season grasses in central Georgia. U.S. Forest Service, Gainesville, GA.

McMellen, A.B., S.H. Schweitzer and P.E. Hale. 2003. Annual progress report: Avian response to the re-establishment of native warm season grasses in central Georgia. U.S. Forest Service, Gainesville, GA.

McMellen, A.B., S.H. Schweitzer and P.E. Hale. 2002. Annual progress report: Avian response to the re-establishment of native warm season grasses in central Georgia. U.S. For. Serv., Gainesville, GA.

Abstracts

Carleton, R.E., and S.H. Schweitzer. 2006. Disease ecology of eastern bluebirds (*Sialia sialis*) in northwest Georgia: survey of infectious agents within an adult population and effect of

ectoparasites on growth and hematological parameters of nestlings. 9th Annual Warnell School of Forest Resources, Graduate Student Symposium, University of Georgia, Athens, February. (p. 7 in Proceedings)

Manangan, J.S., M.C. Wimberly, M.J. Yabsley, N. Nibbelink, and S.H. Schweitzer. 2006. A spatial analysis of two tick-borne pathogens in the Mississippi Alluvial Valley based on white-tailed deer serum samples. 13th Annual Conference of The Wildlife Society, Anchorage, Alaska, September. (p. 248 in Abstracts)

Manangan, J.S., M.C. Wimberly, M.J. Yabsley, N. Nibbelink, and S.H. Schweitzer. 2006. Hitchhiking bacteria: spatial analyses of 2 tick-borne pathogens in the Mississippi Alluvial Valley. 9th Annual Warnell School of Forest Resources, Graduate Student Symposium, University of Georgia, Athens, February. (p. 8 in Proceedings)

McGregor, S.P., S.H. Schweitzer, E.P. Wiggers, and W.E. Mills. 2006. Distribution and abundance of king and clapper rails in managed and unmanaged marshes. 13th Annual Conference of The Wildlife Society, Anchorage, Alaska, September. (p. 108 in Abstracts)

Read, A.G.S., and S. H. Schweitzer. 2006. Experimental restoration of wiregrass communities. 5th Eastern Native Grass Symposium, Harrisburg, Pennsylvania, October.

Read, A.G.S., and S. H. Schweitzer. 2006. Experimental restoration of wiregrass communities. 13th Annual Conference of The Wildlife Society, Anchorage Alaska, September. (p. 66 in Abstracts)

Read, A.G.S., and S.H. Schweitzer. 2006. Experimental restoration of wiregrass communities. 9th Annual Warnell School of Forest Resources, Grad. Student Symposium, University of Georgia, Athens, February. (p. 9 in Proceedings)

McGregor, S.P., and S.H. Schweitzer. 2005. Frequency of occurrence of King and Clapper Rails in managed and unmanaged marshes. Page 37 *in* Program and Abstracts of the 29th Waterbird Society Meeting, Jekyll Island, Georgia, October.

McGregor, S.P., and S.H. Schweitzer. 2005. Relative abundance and distribution of king and clapper rails in managed and unmanaged coastal marsh impoundments in South Carolina. Page 21 *in* Proceedings of the Eighth Annual Warnell School of Forest Resources' Graduate Student Symposium, University of Georgia, Athens, February.

McMellen, A.B., and S.H. Schweitzer. 2005. A comparison of restored native grasslands and exotic grass pastures as wintering habitat for declining grassland bird species in the Southeastern USA. Page 658 *in press* Proc. of the Twentieth International Grassland Congress, Dublin, Ireland, June.

McMellen, A.B., and S.H. Schweitzer. 2005. Wintering birds and native grass restoration: a case study from Georgia. Poster presentation, Page 18 *in* Proceedings of the Annual Meeting of Southeastern Partners in Flight, McAllen, Texas, February.

- McMellen, A.B., and S.H. Schweitzer. 2005. Breeding bird response to native warm-season grass reestablishment in the Piedmont of Georgia. Page 62 in T.B. Barnes and L.R. Kiesel, editors, Proceedings of the Fourth Eastern Native Grass Symposium, Lexington, Kentucky, October 2004.
- Read, A.G.S., and S.H. Schweitzer. 2005. Experimental restoration of wiregrass (*Aristida stricta*) communities. Page 23 in Proceedings of the Eighth Annual Warnell School of Forest Resources' Graduate Student Symposium, University of Georgia, Athens, February.
- Sabine, J.B., J.M. Meyers, and S.H. Schweitzer. 2005. Effects of human activity on behavior of breeding American Oystercatchers, Cumberland Island National Seashore, Georgia. Page 48 in Program and Abstracts of the 29th Waterbird Society Meeting, Jekyll Island, Georgia, October.
- Sabine, J.B., S.H. Schweitzer, and J.M. Meyers. 2005. Nest fate and productivity of American oystercatchers, Cumberland Island National Seashore, Georgia. Page 48 in Program and Abstracts of the 29th Waterbird Society Meeting, Jekyll Island, Georgia, October.
- Sabine, J.B., S.H. Schweitzer, and J.M. Meyers. 2005. Nest fate and productivity of American Oystercatchers, Cumberland Island National Seashore, Georgia. Page 21 in Proceedings of the Joint Meeting of the Wilson Ornithological Society and the Association of Field Ornithologists, Beltsville, MD, April
- Sabine, J.B., J.M. Meyers, and S.H. Schweitzer. 2005. Nest fate and productivity of beach nesting American Oystercatchers, Cumberland Island National Seashore, Georgia. Page 21 in Proceedings of the Eighth Annual Warnell School of Forest Resources' Graduate Student Symposium, University of Georgia, Athens, February.
- Sundin, G.W., and S.H. Schweitzer. 2005. Local movements and habitat selection of juvenile loggerhead turtles (*Caretta caretta*) following relocation from dredged shipping channels. Page 19 in Proceedings of the Eighth Annual Warnell School of Forest Resources' Graduate Student Symposium, University of Georgia, Athens, February.
- Weng, G.-J., and S.H. Schweitzer. 2005. Conservation genetics of an introduced of mottled duck population. Page 68 in Program and Abstracts, Special Meeting of the Waterbird Society: Avian Diseases and Bird Migration, Tainan, Taiwan, ROC, November.
- Weng, G.-J., and S.H. Schweitzer. 2005. Conservation genetics of an introduced of mottled duck population. Page 55 in Program and Abstracts of the 29th Waterbird Society Meeting, Jekyll Island, Georgia, October.
- McMellen, A.B., and S.H. Schweitzer. 2004. The effects native grass re-establishment on breeding bird communities in Georgia. Poster presentation. The Oriole *in press*.

- McMellen, A.B., and S.H. Schweitzer. 2004. Effects of the restoration of native warm season grasses on wintering grassland birds in Georgia, USA. *in* Proceedings of the Eleventh Annual Conference of The Wildlife Society, Calgary, Alberta, Canada, September.
- McMellen, A.B., and S.H. Schweitzer. 2004. Where have all the sparrows gone? Page 18 *in* Proceedings of the 7th Annual Graduate Student Symposium, Warnell School of Forest Resources and Warnell Graduate Student Association, University of Georgia, Athens.
- Sabine, J.B., J.M. Meyers, and S.H. Schweitzer. 2004. Effects of disturbance and predation on American Oystercatchers (*Haemotopus palliatus*) during the breeding season, Cumberland Island National Seashore, Georgia, 2003. Page 17 *in* Proceedings of the 7th Annual Graduate Student Symposium, Warnell School of Forest Resources and Warnell Graduate Student Association, University of Georgia, Athens.
- Sundin, G.W. and S.H. Schweitzer. 2004. Proposal to examine the local movements and habitat selection of juvenile loggerhead turtles (*Caretta caretta*) following relocation from dredged shipping channels. *in* Proceedings of the 7th Annual Graduate Student Symposium, Warnell School of Forest Resources and Warnell Graduate Student Association, University of Georgia, Athens.
- Weng, G-J, and S.H. Schweitzer. 2004. Ecology and population genetics of mottled ducks in the South Atlantic Coastal Zone. *in* Proceedings of the Eleventh Annual Conference of The Wildlife Society, Calgary, Alberta, Canada, September.
- Marchinton, R.L., K.E. Kammermeyer, S.H. Schweitzer, and B.P. Murphy. 2003. A long-standing error in deer aging? Pages 25-26 *in* Proceedings of the 26th Annual Meeting of the Southeast Deer Study Group, Chattanooga, Tenn.
- George, R.C., S.H. Schweitzer, C.J. Fonnesebeck, and B. Winn. 2002. The effects of human recreation on American Oystercatcher reproductive success and nesting habitat in Georgia. *in* Abstracts of the 3rd North American Ornithological Conference, New Orleans, Louisiana.
- Parnell, I.B., III, S.H. Schweitzer, C.G. White, and L.A. Lewis. 2002. Northern bobwhite habitat use in a forest dominated system. Page 158 *in* S.J. DeMaso, W.P. Kuvlesky, Jr., F. Hernandez, and M.E. Berger, eds. Quail V: Proceedings of the Fifth National Quail Symposium. Texas Parks and Wildlife Department.
- George, R.C., S.H. Schweitzer, and B. Winn. 2001. Reproductive success of the American Oystercatcher in Georgia. Page 58 *in* Abstracts of the 25th Annual Meeting of the Waterbird Society, Niagara Falls, Ontario, Canada.
- George, R.C., S.H. Schweitzer, and B. Winn. 2001. Reproductive ecology of the American oystercatcher in Georgia. Page 137 *in* Abstracts of the 8th Annual Conference of The Wildlife Society. Reno, Nevada, 25-29 September.

- Parnell, I.B., C.G. White, S.H. Schweitzer, and L.A. Lewis. 2001. Northern bobwhite nesting ecology in a forest-dominated system. Page 236 *in* Abstracts of the 8th Annual Conference of The Wildlife Society. Reno, Nevada.
- George, R.C., S.H. Schweitzer, and B. Winn. 2000. Nesting habitat selection and reproductive success of American oystercatchers in Georgia. Page 77 *in* Abstracts of the 24th Annual Meeting and Workshops of the Waterbird Society. Plymouth, Massachusetts, 1-5 November.
- Morgan, J.J., S.H. Schweitzer, and C.G. White. 2000. Nest site selection of eastern wild turkeys in an intensively managed landscape. Pages 153-154 *in* Abstracts of the 7th Annual Conference of The Wildlife Society. Nashville, Tennessee, 12-16 September.
- Parnell, I.B., L.A. Lewis, S.H. Schweitzer, and C.G. White. 2000. Northern bobwhite (*Colinus virginianus*) habitat use and ecology in a forest-dominated system. Page 13 *in* Abstracts of the 4th Annual Graduate Student Symposium. 16 March, Warnell School of Forest Resources, University of Georgia, Athens.
- Parnell, I.B., L.A. Lewis, S.H. Schweitzer. 2000. Response of northern bobwhite to the thinning of pine plantations enrolled in the Conservation Reserve Program. *in* Proceedings of the Southeastern Association of Fish and Wildlife Agencies. 54th Annual Conference, Baton Rouge, Louisiana, 29 October - 1 November.
- Parnell, I.B., S.H. Schweitzer, L.A. Lewis, and C.G. White. 2000. Response of a northern bobwhite population to thinning of CRP pine plantations. *in* Abstracts of the 6th Annual Meeting of the Southeast Quail Study Group. Hendersonville, North Carolina, 2-5 October.
- Schaeffbauer, M.K., and S.H. Schweitzer. 2000. Effects of thinning CRP pine stands on nesting songbirds in Georgia. Pages 180-181 *in* Abstracts of the 7th Annual Conference of The Wildlife Society. Nashville, Tennessee, 12-16 September.
- Schweitzer, S.H., B. Winn, and H.L. Plauny. 2000. Distribution, abundance, and success of beach-nesting birds on Cumberland Island, Georgia. Page 183 *in* Abstracts of the 7th Annual Conference of The Wildlife Society. Nashville, Tennessee, 12-16 September.
- White, C. G., H. J-H. Whiffen, S. H. Schweitzer, and J. J. Morgan. 2000. Predicting nest site selection of eastern wild turkeys within a landscape dominated by agriculture and silviculture. Page C1:1 *in* W.G. Hubbard and J.B. Jordin, editors. Proceedings of the 3rd Southern Forestry GIS Conference. 11-12 October, Athens, Georgia. (available on compact disk from the Coalition for Southern Forestry GIS; copyrighted by the Southern Regional Extension Forestry Office of Information Technology, Athens, GA.)

Manuscripts Submitted

- McMellen, A.B. and S.H. Schweitzer. Impacts of native grass restoration on breeding and wintering early successional birds. *Journal of Wildlife Management*. *In review*.

McMellen, A.B. and S.H. Schweitzer. 2006. Response of summer and winter birds to management for early successional habitat. *Journal of Wildlife Management*. *In review*.

McMellen, A.B., D.E.W. Drumtra, and S.H. Schweitzer. 2006. Impact of early successional habitat management on arthropod prey abundance for breeding bird communities. *Conservation Biology*. *In review*.

Weng, G-J and S. Schweitzer. Habitat use of mottled ducks (*Anas fulvigula*) in South Atlantic Coastal Zone. *In review*.

GRANTS RECEIVED

Competitive-

Maerz, J., S.H. Schweitzer, and L. Smith. 2007-2009. Patterns of riparian disturbance and their influence on aquatic turtles in the lower Flint River Basin, Georgia. Georgia Department of Natural Resources (\$18,558)

Jennings, C., and S.H. Schweitzer. 2006-2009. A Study of the Ecological Value of Managed Tidal Wetlands compared to Adjacent Natural Marshes in the ACE Basin, S.C. National Fish and Wildlife Foundation. (\$229,198)

Schweitzer, S.H. 2006-2007. Experimental restoration of wiregrass communities. BASF, Inc. (\$14,000)

Wimberly, M.C., and S.H. Schweitzer. 2005-2006. Landscape ecology and mapping of Ehrlichial pathogens. National Institutes of Health (\$52,596).

Schweitzer, S.H. 2005. Conservation genetics of an introduced mottled duck (*Anas fulvigula*) population. Delta Waterfowl Foundation (\$15,000).

Schweitzer, S.H. 2005-2006. Experimental restoration of wiregrass communities. Georgia Department of Natural Resources (\$25,100).

Schweitzer, S.H. 2005. Conservation genetics of mottled ducks in the South Atlantic Coastal Zone. Wildlife Forever (\$5,000).

Schweitzer, S.H., and J.K. Reap. 2005. International service learning: natural and cultural resources conservation and tourism in Bulgaria. University of Georgia, Office of the Vice President of Public Service and Outreach (\$5,000).

Schweitzer, S.H., and E.P. Wiggers. 2005-2006. Responses of rails to traditionally managed and unmanaged coastal marsh impoundments with the Ashepoo-Combahee-Edisto Basin, S.C. National Fish and Wildlife Foundation (\$20,200).

Schweitzer, S.H., and J.M. Meyers. 2002-2005. Effects of disturbance and predation on nesting American Oystercatchers. U.S. Geological Service and U.S. Fish and Wildlife Service (\$40,000).

Schweitzer, S.H. 2002-2004. Avian response to the establishment of native warm season grasses within various landscapes in central Georgia, USA. USDA, Forest Service (\$62,675).

Schweitzer, S.H. 2001-2004. Avian response to the establishment of native warm-season grasses within various landscapes of the southeastern Piedmont. USDA, Natural Resources Conservation Service (\$29,953).

Schweitzer, S.H. 2001-2005. Ecology of the mottled duck (*Anas fulvigula*) in South Carolina and Georgia: a recently established population. Georgia Department of Natural Resources, Wildlife Resources Division, Game Management Section, Social Circle (\$50,000).

Schweitzer, S.H. 2001-2002. Ecology of the mottled duck (*Anas fulvigula*) in South Carolina and Georgia: a recently established population. Georgia Waterfowl Association (\$12,500).

Schweitzer, S.H. 2001. Supplement to: Nesting ecology and factors limiting the reproductive success of American oystercatchers along Georgia's coast. Georgia Department of Natural Resources, Wildlife Resources Division, Social Circle; and D. B. Warnell School of Forest Resources, University of Georgia, Athens (\$6,600).

Schweitzer, S.H., G. Tanner, C.F. Zinkhan, D. Otis, D. Guynn, and J.D. Lanham. 1997-2001. The pinelands stewards project: a research, management, and education program directed at private pineland stewardship in the southeastern United States to improve wildlife habitat for the next century. National Wild Turkey Federation, Edgefield, S.C. (\$1,450,000; \$435,830 to UGA-RF)

Formula Funding and/or Internal Review-

Schweitzer, S.H. 2002-2007. Experimental restoration of early successional habitat for declining bird species within a forested landscape. U.S. Department of Agriculture, McIntire-Stennis (\$200,163).

Schweitzer, S.H. 1997-2002. Response of wildlife communities to openings within pine plantations. U.S. Department of Agriculture, McIntire-Stennis (\$135,200).

GRADUATE THESES AND DISSERTATIONS DIRECTED

Completed -

George, R. Clay. 2002. Reproductive ecology of the American Oystercatcher (*Haematopus palliatus*) in Georgia. Master of Science Thesis. 86pp.

- Manangan, Jamie S. 2004-2006. Landscape ecology and mapping of Ehrlichial pathogens. Master of Science Thesis. (co-advisor with M. C. Wimberly)
- McMellen, Angela B. 2001-2006. Responses of upland birds to establishing native grassland habitat within the Piedmont ecological region of Georgia. Ph.D. Dissertation.
- Parnell, Ira B., III. 2002. Northern Bobwhite habitat use and nesting ecology in a forest- and agriculture-dominated system. Master of Science Thesis. 87pp.
- Sabine, John B. 2005. Effects of human activity and predation on breeding American oystercatchers. Master of Science Thesis. 110pp. (co-advisor with J. M. Meyers)
- Schaeftbauer, Melinda K. 2000. Effects of thinning pine plantations enrolled in the Conservation Reserve Program on songbirds in the upper coastal plain of Georgia. Master of Science Thesis. 82pp.
- Sundin, Gary W. 2004-2007. Efforts to reduce impacts of channel dredging operations on loggerhead sea turtle populations. Master of Science Thesis.
- White, Craig G. 2001. Modeling avian responses to changes in land-use practices at the landscape level. Doctor of Philosophy Dissertation. 185pp.
- Weng, Guo-Jing. 2001-2006. The mottled duck in the South Atlantic Coastal Zone: successful colonization of an introduced population. Ph.D. Dissertation.

Current –

- Carleton, Renee E. 2005-2008. Disease ecology of the eastern bluebird (*Sialia sialis*). Ph.D. Dissertation.
- McGregor, Sean P. 2004-2007. Responses of rails to traditionally managed and unmanaged impoundments within the Ashepoo-Combahee-Edisto Basin, South Carolina. M.S. Thesis.
- Nareff, G. 2007-2009. A study of the value of managed tidal wetlands compared to natural marshes in the ACE Basin, S.C. to shorebirds and dabbling ducks. M.S. Thesis.
- Patterson, H. 2007-2009. Assessing influence of exposure of wood storks to aquatic contaminants on reproductive success and overall health. M.S. Thesis.
- Read, Allyson G. S. 2004-2007. Experimental restoration of wiregrass communities. M.S. Thesis.
- Spear, K. A. 2006-2009. Developing an avian population monitoring program for long term assessment of human disturbance impacts on avifauna in Central Balkan National Park, Bulgaria. M.S. Thesis.

Sterrett, S. 2007-2009. Patterns of riparian disturbance and their influence on aquatic turtles in the lower Flint River Basin, Georgia. M.S. Thesis (co-advisor with John Maerz)

GRADUATE COMMITTEE SERVICE

Completed –

Garcia, J. O. 2004. Nesting ecology of the Painted Bunting (*Passerina ciris*) in two habitat types in South Carolina. Master of Science Thesis, 96pp. Clemson University.

Goolsby, Darroc. 2005. Patterns of land use and succession in a longleaf pine forest. Master of Science Thesis, Forest Ecology. 108pp.

Hyder, Stephanie. 2002. Responses of songbird communities to characteristics of riparian habitat in the Piedmont ecological region of Georgia. Master of Science.

Mabry, Karen E. 2001. Effects of landscape elements on population densities, habitat utilization, home ranges, and movements of three small mammal species. M.S. Thesis. 81pp.

Meares, Jeremy. 2005. Evaluation of new technologies for estimating age of white-tailed deer by tooth characteristics. Master of Science Thesis. 42pp.

Rodriguez, Jessica. 2006. Internal parasites of Galliformes under varying management protocol. Master of Science.

Schirmacher, Michael R. 2006. Surveys of bat community composition, relative abundance, and distribution at the New, Gauley, and Bluestone River National Park Areas, West Virginia. Master of Science.

Schultheis, Richard D. 2005. Trophic interactions in southeastern wetlands. Master of Science Thesis, Department of Entomology. 37pp.

Seider, Michael. 2003. Population dynamics of smallmouth bass in the Beaver Island, northern Lake Michigan, 1999-2002. Master of Science Thesis, Fisheries. 90pp.

Senecal, Guinevere J. R. 2001. Survival, movements, and habitat use of translocated fox squirrels on St. Phillips and Hall Islands, South Carolina. M.S. Thesis.

Tart, Meredith S. 2002. Fertility control in captive white-tailed does via GnRH agonist or prostaglandin F₂₀. Master of Science Thesis. 59pp.

Current –

Lipman, Alison J. 2003-2007. Conservation management program development for freshwater turtles in Bolivia. Ph.D. Dissertation. Institute of Ecology.

Parrish, M. 2007-2009. Bird assemblages in suburban to urban environments. M.S. Thesis.

UNDERGRADUATE SENIOR THESES DIRECTED

Moseley, Kurtis. 2001. Diversity and relative abundance of herpetofauna in hardwood areas subject to prescribed burning. Senior Thesis. (Co-Chair with S. Castleberry)

Spear, Kate A. 2005. Effects of management strategies on Least Tern clutch daily survival rate and nest success on a dredged-spoil site. 7-page manuscript.

Terry, Tamara. 2001. History of Georgia's wild turkey, its restocking, and genetic variation. Sr. Thesis. 44pp.

UNDERGRADUATE COURSES TAUGHT

Techniques in Wildlife Population Management (FORS 5310-5310L, 4 semester hrs; required course for the wildlife major and the forest environmental resources major, environmental assessment area of emphasis.)

Field Orientation and Measurement in Forest Resources (FORS 3000-3000L, 4 semester hrs; core course [all majors in School of Forest Resources]). Responsible for the wildlife resources component of this team-taught course. 1995-2004.

Senior Project in Forest Resources Management (FORS 4730-4730L, 4 semester hrs; core course [all majors in School of Forest Resources]). Co-teach every other year.

UNDERGRADUATE ADVISING

Academic advisor for 100 undergraduate students majoring in wildlife management from Fall Quarter 1995 to Fall semester 2007.

Member of the advisory committee for 15 student groups in Senior Project in Forest Resources Management (FORS 4730), and for 12 students completing their Senior Theses in Forest Resources (FORS 4750). Chaired the advisory committee for 5, and co-chair for 1, Senior Thesis students.

GRADUATE COURSES TAUGHT

Techniques in Wildlife Population Management (FORS 7310-7310L, 4 semester hrs).

Ecology & Management of Waterfowl Populations & Their Habitats (FORS 8350-8350L, 4 semester hrs).

Fish & Wildlife Seminar (FORS 8300, 1 semester hr).

CONVENTION PAPERS

Invited Presentations—

Schweitzer, S.H. 2005. Bird conservation efforts and groups in Bulgaria and Croatia. Annual Spring Meeting of the Georgia Chapter of The Wildlife Society, Piedmont National Wildlife Refuge, Georgia.

Schweitzer, S.H. 2004. Studies on the American Oystercatcher: spokesman for coastal conservation. Ecology Graduate Student Seminar Series, Institute of Ecology, University of Georgia, Athens.

Schweitzer, S.H. 2004. Bird conservation efforts and groups in Bulgaria and Croatia. Banquet speaker for Annual Spring Meeting of the Georgia Ornithological Society, Milledgeville, Georgia.

Schweitzer, S.H. 2004. From Sandy County to Sofia: Fulbright experience in Bulgaria. D. B. Warnell School of Forest Resources, University of Georgia, Seminar Series.

Schweitzer, S.H. 2003. Wildlife-related outreach to rural land managers and owners in Georgia. International Conference on Sustainable Development of Rural Areas in Croatia and the Role of the University, Mali Losinj, Croatia.

Schweitzer, S.H. 2003. Development of professional game management in the United States. Faculty of Veterinary Sciences and Faculty of Forestry, University of Zagreb, Croatia.

Schweitzer, S.H. 2003. Species brought back from extirpation using wildlife management and research techniques. Faculty of Veterinary Sciences and Faculty of Forestry, University of Zagreb, Croatia.

Voluntary Presentations—

Carleton, R.E., and S.H. Schweitzer. 2006. Disease ecology of eastern bluebirds (*Sialia sialis*) in northwest Georgia: survey of infectious agents within an adult population and effect of ectoparasites on growth and hematological parameters of nestlings. 9th Annual Warnell School of Forest Resources, Graduate Student Symposium, University of Georgia, Athens, February

Manangan, J.S., M.C. Wimberly, M.J. Yabsley, N. Nibbelink, and S.H. Schweitzer. 2006. A spatial analysis of two tick-borne pathogens in the Mississippi Alluvial Valley based on white-tailed deer serum samples. 13th Annual Conference of The Wildlife Society, Anchorage, Alaska, September.

Manangan, J.S., M.J. Yabsley, N. Nibbelink, S.H. Schweitzer, and M.C. Wimberly. 2006. Spatial analysis of the distributions of *Ehrlichia chaffeensis* and *Anaplasma phagocytophilum*

in the Mississippi Alluvial Valley. Poster presentation, International Wildlife Disease Association Conference, Storrs, CT, August.

Manangan J.S., M.C. Wimberly, M.J. Yabsley, N. Nibbelink, and S.H. Schweitzer. 2006. Hitchhiking bacteria: spatial analyses of 2 tick-borne pathogens in the Mississippi Alluvial Valley. 9th Annual Warnell School of Forest Resources, Graduate Student Symposium, University of Georgia, Athens, February.

McGregor, S.P., S.H. Schweitzer, E.P. Wiggers, and W.E. Mills. 2006. Distribution and abundance of king and clapper rails in managed and unmanaged marshes. 13th Annual Conference of The Wildlife Society, Anchorage, Alaska, September.

McMellen, A.B., and S.H. Schweitzer. 2006. Native warm season grass establishment in Georgia. Annual Spring Meeting, Georgia Chapter of The Wildlife Society, Charlie Elliott Wildlife Center, Georgia, April.

Read, A.G.S., and S. H. Schweitzer. 2006. Experimental restoration of wiregrass communities. 5th Eastern Native Grass Symposium, Harrisburg, Pennsylvania, October.

Read, A.G.S., and S. H. Schweitzer. 2006. Experimental restoration of wiregrass communities. 13th Annual Conference of The Wildlife Society, Anchorage Alaska, September.

Read, A.G.S., and S.H. Schweitzer. 2006. Experimental restoration of wiregrass communities. 9th Annual Warnell School of Forest Resources, Grad. Student Symposium, University of Georgia, Athens, February.

Sundin, G.W., S.H. Schweitzer, D.D. Dickerson, C.T. Theriot, M.S. Wolters, J.T. Peterson, and V. Dickerson. 2006. Hierarchical Modeling of Incidental Sea Turtle Takes by Dredges in the Western Gulf of Mexico, USA. Poster presentation, 26th International Symposium on Sea Turtle Biology and Conservation, Island of Crete, Greece, April.

Sundin, G.W., S.H. Schweitzer, D.D. Dickerson, C.T. Theriot, M.S. Wolters, J.T. Peterson, and V. Dickerson. 2006. Hierarchical modeling of incidental sea turtle takes by dredges in the western Gulf of Mexico. Poster Presentation, Annual Spring Meeting of the Georgia Chapter of The Wildlife Society, Charlie Elliott Wildlife Center, Georgia, April.

McGregor, S.P., and S.H. Schweitzer. 2005. Relative abundance and distribution of king and clapper rails in managed and unmanaged coastal marsh impoundments in South Carolina. Eighth Annual Warnell School of Forest Resources' Graduate Student Symposium, University of Georgia, Athens, February.

McMellen, A.B., and S.H. Schweitzer. 2005. A comparison of restored native grasslands and exotic grass pastures as wintering habitat for declining grassland bird species in the Southeastern USA. Twentieth International Grassland Congress, Dublin, Ireland, June.

- McMellen, A.B., and S.H. Schweitzer. 2005. Wintering birds and native grass restoration: a case study from Georgia. Poster presentation Annual Meeting of Southeastern Partners in Flight, McAllen, Texas, February.
- Read, A.G.S., and S.H. Schweitzer. 2005. Experimental restoration of wiregrass (*Aristida stricta*) communities. Eighth Annual Warnell School of Forest Resources' Graduate Student Symposium, University of Georgia, Athens, February.
- Sabine, J.B., J.M. Meyers, and S.H. Schweitzer. 2005. Nest fate and productivity of American Oystercatchers, Cumberland Island National Seashore, Georgia. Joint Meeting of the Wilson Ornithological Society and the Association of Field Ornithologists, Beltsville, MD, April.
- Sabine, J.B., J.M. Meyers, and S.H. Schweitzer. 2005. Nest fate and productivity of beach nesting American Oystercatchers, Cumberland Island National Seashore, Georgia. Eighth Annual Warnell School of Forest Resources' Graduate Student Symposium, University of Georgia, Athens, February.
- Sundin, G.W., and S.H. Schweitzer. 2005. Local movements and habitat selection of juvenile loggerhead turtles (*Caretta caretta*) following relocation from dredged shipping channels. Eighth Annual Warnell School of Forest Resources' Graduate Student Symposium, University of Georgia, Athens, February.
- McMellen, A.B., and S.H. Schweitzer. 2004. The effects native grass re-establishment on breeding bird communities in Georgia. Poster presentation. Annual Fall Meeting of the Georgia Ornithological Society, Jekyll Island, Georgia, October.
- McMellen, A.B., and S.H. Schweitzer. 2004. Breeding bird response to the re-establishment of native grasses in Georgia, USA. Fourth Annual Eastern Native Grass Symposium, Lexington, Kentucky, October.
- McMellen, A.B., and S.H. Schweitzer. 2004. Effects of the restoration of native warm season grasses on wintering grassland birds in Georgia, USA. Eleventh Annual Conference of The Wildlife Society, Calgary, Alberta, Canada, September.
- McMellen, A.B., and S.H. Schweitzer. 2004. Effects of the restoration of native warm season grasses on wintering grassland birds in Georgia, USA. Annual Fall Meeting of the Georgia Chapter of The Wildlife Society, Athens, September.
- McMellen, A.B., and S.H. Schweitzer. 2004. Where have all the sparrows gone? Seventh Annual Warnell School of Forest Resources Graduate Student Symposium, Warnell School of Forest Resources and Warnell Graduate Student Association, University of Georgia, Athens, 26-27 February.
- Sabine, J.T., S.H. Schweitzer, and J.M. Meyers. 2004. A simple, inexpensive video camera setup for the study of avian nest activity. Annual Fall Meeting of the Georgia Chapter of The Wildlife Society, Athens, September.

- Sabine, J.B., J.M. Meyers, and S.H. Schweitzer. 2004. Effects of disturbance and predation on American Oystercatchers (*Haematopus palliatus*) during the breeding season, Cumberland Island National Seashore, Georgia, 2003. Seventh Annual Warnell School of Forest Resources Graduate Student Symposium, Warnell School of Forest Resources and Warnell Graduate Student Association, University of Georgia, Athens, 26-27 February. .
- Weng, G-J, and S.H. Schweitzer. 2004. Ecology and population genetics of mottled ducks in the South Atlantic Coastal Zone. Poster presentation, Eleventh Annual Conference of The Wildlife Society, Calgary, Alberta, Canada, September.
- McMellen, A.B., S.H. Schweitzer, and P.E. Hale. 2003. Avian response to the re-establishment of native warm season grasses in central Georgia. Poster presentation. Annual Fall Meeting of the Georgia Ornithological Society, Jekyll Island, Georgia, October.
- McMellen, A.B., and S.H. Schweitzer. 2003. Avian response to the re-establishment of native warm season grasses in the Piedmont of Georgia – a work in progress. Annual Fall Meeting of the Georgia Chapter of The Wildlife Society, Tallulah Gorge State Park, Georgia, September.
- Sabine, J.T., J.M. Meyers, and S.H. Schweitzer. 2003. Effects of human disturbance and predation on American Oystercatchers (*Haematopus palliatus*) during the breeding season, Cumberland Island National Seashore, Georgia, 2003. Annual Meeting of the Atlantic Coast American Oystercatcher Working Group, Oyster, Virginia, 16-17 December.
- Sabine, J.B., J.M. Meyers, and S.H. Schweitzer. 2003. Effects of disturbance and predation on American Oystercatchers (*Haematopus palliatus*) during the breeding season, Cumberland Island National Seashore, Georgia, 2003. Poster presentation. Annual Fall Meeting of the Georgia Ornithological Society, Jekyll Island, Georgia, October.
- Schweitzer, S.H., J.T. Ayers, and P.E. Hale. 2003. Response of plant and invertebrate communities to pothole blasting in a giant cutgrass marsh. 57th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, Mobile, Alabama, 11-15 October.
- Schweitzer, S.H., A.B. McMellen, and P.E. Hale. 2003. Avian response to the re-establishment of native warm season grasses in the Piedmont of Georgia. Annual Meeting of the Georgia Piedmont Natural Resources Council, Forsyth, Georgia, March.
- Weng, G-J. 2003. Ecology of mottled ducks in the South Atlantic Coastal Zone. Sixth Annual D.B. Warnell School of Forest Resources Graduate Student Symposium, 28 March.
- George, R.C., S.H. Schweitzer, C.J. Fonnesebeck, and B. Winn. 2002. The effects of human recreation on American Oystercatcher reproductive success and nesting habitat in Georgia. 3rd North American Ornithological Conference, New Orleans, Louisiana, 24-28 September.

- George, R.C., S.H. Schweitzer, and B. Winn. 2002. The reproductive ecology of American Oystercatchers in Georgia. Annual Spring Meeting, Georgia Chapter of the Wildlife Society, Athens, Georgia, 26-27 March.
- Parnell, I.B., S.H. Schweitzer, and C.G. White. 2002. Bobwhite selection of early successional habitat on Di-Lane Plantation and Alexander WMAs. Annual Spring Meeting of the Georgia Chapter of the Wildlife Society, Athens, Georgia, 26-27 March.
- George, R.C., S.H. Schweitzer, and B. Winn. 2001. Reproductive success of the American Oystercatcher in Georgia. 25th Annual Meeting of the Waterbird Society, Niagara Falls, Ontario, Canada, 7-12 November.
- George, R.C., S.H. Schweitzer, and B. Winn. 2001. Reproductive ecology of the American oystercatcher in Georgia. 8th Annual Conference of The Wildlife Society. Reno, Nevada, 25-29 September.
- Parnell, I.B., C.G. White, S.H. Schweitzer, and L.A. Lewis. 2001. Northern bobwhite nesting ecology in a forest-dominated system. 8th Annual Conference of The Wildlife Society. Reno, Nevada, 25-29 September.
- Parnell, I.B., L.A. Lewis, S.H. Schweitzer, and C.G. White. 2001. Northern bobwhite (*Colinus virginianus*) habitat use and ecology in a forest-dominated system. 4th Annual Warnell School of Forest Resources Graduate Student Symposium, Athens, Georgia.
- White, C.G., S.H. Schweitzer, H.J. Whiffen, and J. J. Morgan. 2001. How to get here from there: effective use of GIS and remote sensing in wildlife management. Annual Spring Meeting, Georgia Chapter of The Wildlife Society, Athens, 13-14 March.

HONORS & AWARDS

2006. Faculty Award for Outstanding Teaching, The University of Georgia, D.B. Warnell School of Forest Resources, Alumnae Association
2004. Granted membership, Fulbright Academy of Science and Technology by Secretary and Board of Directors
2002. Awarded J. William Fulbright Foreign Scholarship Lecture/Research Grant, Sofia, Bulgaria, 18 September 2002 - 28 February 2003
2001. International Fellow, University of Georgia's International Fellows Program, Office of Instructional Support and Development
2001. Inducted into Gamma Sigma Delta, Honor Society of Agriculture, University of Georgia Chapter, Athens

PROFESSIONAL SERVICE TO FEDERAL AGENCIES

Member of Review Panel

Member of Environmental Sciences Committee, Council for International Exchange of Scholars and Fulbright Scholar Awards Program, 2004-2006.

Member of Discipline Peer Review Committee, Council for International Exchange of Scholars and the Fulbright Senior Specialists Program, 2003-2006.

Panelist for 2004, 2005, & 2006 National Science Foundation Graduate Research Fellowship Program, Environmental Life Sciences Panel.

Peer reviewer for the competitive Graduate Environmental Study Fellowships submitted to the U.S. Environmental Protection Agency's Office of Research and Development in response to its 2001 Request for Applications, Science to Achieve Results grant program. 21-24 February 2001.

Ad hoc Reviewer-

Draft Plan: "Management and protection protocols for the threatened Piping Plover (*Charadrius melodus*) on Cape Hatteras National Seashore, North Carolina" by J.B. Cohen, R.M. Erwin, J.L. Marion, J.M. Meyers, and J.B. French, USGS Patuxent Wildlife Research Center, Laurel, MD, April 2005.

Draft Report: "The ownership of history and nature- the legal battles over Cumberland Island." Turner Environmental Law Clinic, Feb/Mar 2001.

Draft Plan: "Environmental assessment of the management alternatives, feral hog population control, Cumberland Island National Seashore." U.S. NPS, January 2001.

Advisor -

USDA, Natural Resources Conservation Service, State Technical Committee on the 1996 Farm Bill. Member of Wildlife Habitat Incentives Program review committee. Review proposals from Georgia for the Environmental Quality Incentives Program. 1996-2004.

CONTINUING EDUCATION

Schweitzer, S. H. 2005. Wildlife Techniques. Lecture and lab: Wildlife Management Workshop for Ag Ed Teachers. Warnell School of Forest Resources, University of Georgia, Athens. 28 June.

Schweitzer, S. H. 2003. Introduction to wetland wildlife and waterfowl. At: Forest Area: Specialty Advanced Training, D. B. Warnell School of Forest Resources, University of Georgia, Athens, 1-3 April.

Schweitzer, S. H. 2002. Wildlife principles and management techniques. *At:* Wildlife seminar for foreign animal disease preparedness. Presented to foreign animal disease diagnosticians, Southeastern Cooperative Wildlife Disease Study, College of Veterinary Medicine, University of Georgia, Athens, 13-15 May.

Schweitzer, S. H. 2001. Wildlife principles and management techniques. *At:* Wildlife seminar for foreign animal disease preparedness. Presented to foreign animal disease diagnosticians, Southeastern Cooperative Wildlife Disease Study, College of Veterinary Medicine, University of Georgia, Athens, 31 July-2 August.

SERVICE FOR UNIVERSITY OF GEORGIA

D. B. Warnell School of Forest Resources Committees

Business Manager Staff Search (2005)
Human Dimensions & Recreation Faculty Search (2005-2006)
Forest Lands (2005 - present)
Post-tenure Review for S. Covert and R. Hendrick (2004)
Dean Search (2003)
Graduate Affairs (2003 - present)
Lands (2003 - 2004)
Graduate Student Recruitment (2000 - 2002)
Wildlife Extension Faculty Search (2000 - 2001)
Wildlife Vertebrate Ecologist Faculty Search (2000 - 2001)
Undergraduate Affairs (1996 - 1997, 2000 - 2001)
Curriculum (1996 - 2002)
Research Coordination and Review (1996 - 2003)
E. L. Cheatum Award (1995 - present)

University of Georgia Committees

University Council (2003 - 2004)
Executive, Educational Affairs, Faculty Benefits, and Strategic Planning committees
Stoddard-Burleigh-Sutton Wildlife Conservation Awards (1995 - Present)
Faculty Admissions (1999 - 2001)
Freshman Task Force Subcommittee of Faculty Admissions (2000 - 2001)

MEMBERSHIP IN PROFESSIONAL SOCIETIES AND ACTIVITIES

The Wildlife Society (1986 - present)

- Parent Chapter
 - Invited moderator of paper session, "Grassland Bird Species," 1999 TWS Annual Conference
 - Reviewer, Contributed Papers Subcommittee, 1999 TWS Annual Conference
 - Ethnic and Gender Diversity Working Group Member (2005 – present) (was committee until 2007)

- International Working Group Member (2006 – present)
 - Manager of web site (2007 – present)
 - Restoration Working Group Member (1995 - present)
 - Symposium Organization Committee (1998)
 - Officer Nomination Committee (1999 - 2002)
 - Southeastern Representative (2000 - 2001)
 - Southeastern Section
 - Elected Secretary / Treasurer (2006-2008)
 - Georgia Chapter
 - President-Elect, President, Past-President (1997-2001)
 - Member at Large (2005-2007)
- Society for Range Management (1986 - present)
- National and Southern Sections
- Farm Bill (1996) Conservation Reserve Program Committee Member
- Wildlife Habitat Management Committee (2004-present)
- Southeastern Quail Study Group (1996 - 2004)
- Research Committee Member
- Southeast Deer Study Group (1996 - 2003)
- Association of Field Ornithologists (1992 - present)
- Waterbird Society (formerly, Colonial Waterbird Society) (1995 - present)
- Georgia Ornithological Society (1995 - present)

JOURNAL EDITORSHIP

Associate Editor– Wildlife Society Bulletin, 2004-2006

Guest Editor– Southeastern Naturalist, 2004-2005

Ad hoc Reviewer--

Biologica-Bratislava, Slovenia, 2002, 2003

Journal of Field Ornithology, 1999, 2000, 2004

Journal of Range Management, 1993, 1994

Journal of Wildlife Management, 1995, 1999, 2002, 2003

New Forests, 2001

Southeastern Association of Fish and Wildlife Agencies Annual Conference Proceedings, 1997, 2002, 2005, 2007

Southeastern Naturalist, 2004, 2005

The Wilson Bulletin, 2001, 2006

SERVICE TO UNIVERSITY OF GEORGIA STUDENT GROUPS AND ORGANIZATIONS

Judge, Eighth Annual Warnell School of Forest Resources' Graduate Student Symposium (2005, 2007).

Co-Faculty Advisor to the UGA Student Chapter of The Wildlife Society (1995 - 2001).

Co-Faculty Advisor to the Southeastern Wildlife Conclave Quiz Bowl Team for the
University of Georgia Student Chapter of The Wildlife Society (1995 - 2001).

Condensed Curriculum Vitae

Robert O. Teskey
Distinguished Research Professor
Daniel B. Warnell School of Forest Resources
University of Georgia
Athens, Georgia 30602
Tel: 706 542 5055 email: rteskey@uga.edu

Education

Doctor of Philosophy, University of Washington, 1982
Major: Tree Physiology
Master of Science, University of Missouri, 1978
Major: Forest Ecophysiology
Bachelor of Science, University of Illinois, 1975
Major: Forestry, Minor: Soils, Graduated with Honors

Professional Positions

Distinguished Research Professor, University of Georgia, 2001 – present
Associate Dean for Research and Service, Interim, University of Georgia 1999-2001
Professor, University of Georgia 1994 to 2001

Academic Instruction

Courses Taught at the University of Georgia:
FORS 8030 – Advanced Tree Physiology (3 credit hours) taught every other Spring semester in odd-numbered years.

Recent Professional and Educational Honors, Awards and Appointments

International Union of Forestry Research Organizations (IUFRO), Coordinator of
Division 2.01 Physiology Working Groups, 2001-present.
Southern Forest Research Partnership, Senior Science Fellow & Science
Committee Chair, 2002 –present
Northeast Forestry University, Harbin China, Honorary Faculty Appointment, 2005
United States-Japan Workshop on Global Change, Selected Participant, Tokyo, 2002
Gamma Sigma Delta Honor Society, President, University of Georgia Chapter, 2001
Crossley-Coleman Center for Biological Diversity and Ecosystem Processes, Executive
Committee Member, 2001- present

Editorial Board Member

1986 - present -- Member of the Editorial Review Board, *Tree Physiology*
1995 – 2002-- Associate Editor, *Canadian Journal of Forest Research*

2000 - present – Advisory Committee, *Eurasian Journal of Forest Research*

2004 – Guest Associate Editor, *Southern Journal of Applied Forestry*

Publications

Journal Articles and Book Chapters (last five years)

- Teskey, R. O. and M. A. McGuire. 2007. Measurement of stem respiration of sycamore (*Platanus occidentalis* L.) trees involves internal and external fluxes of CO₂ and possible transport of CO₂ from roots. *Plant, Cell and Environment* 30:570-579.
- Ford, C., N. Wurzbarger, R. L. Hendrick and R. O. Teskey. 2007. Soil DIC uptake and fixation in *Pinus taeda* seedlings. *New Phytologist* 27:375-383.
- Ford, C. R., C. E. Goranson, R. J. Mitchell, R. E. Will and R. O. Teskey. 2005. Modeling canopy transpiration using time series analysis: A case study illustrating the effect of soil moisture deficit on *Pinus taeda*. *Agricultural and Forest Meteorology* 130:163-175.
- Johnsen, K., R. Teskey, L. Samuelson, J. Butnor, D. Sampson, F. Sanchez, C. Maier and S. McKeand. 2005. Carbon sequestration in loblolly pine plantations: Methods, limitations and research needs for estimating storage pools. Chapter 32 in: *Southern Forest Science, Past, Present and Future*, USDA Forest Service Publ. SRS-75. pp. 373-383.
- Teskey, R. O. and M. A. McGuire. 2005. CO₂ transported in xylem sap affects CO₂ efflux from *Liquidambar styraciflua* and *Platanus occidentalis* stems, and contributes to observed wound respiration phenomena. *Trees* 19:357-362.
- Will, R. E., N. V. Narahari, B. D. Shiver and R. O. Teskey. 2005. Effects of planting density on canopy dynamics and stem growth for intensively managed loblolly pine stands. *Forest Ecology and Management* 205:29-41.
- Borders, B. E., R. E. Will, D. Markewitz, A. Clark, R. Hendrick, R. O. Teskey and Y. Zhang. 2004. Effect of complete competition control and annual fertilization on stem growth and canopy relations for a chronosequence of loblolly pine plantations in the lower coastal plain of Georgia. *Forest Ecology and Management* 192:21-37.
- McGuire, M. A. and R. O. Teskey. 2004. Estimating stem respiration in trees using a mass balance approach that accounts for internal and external fluxes of CO₂. *Tree Physiology* 24:571-578.
- Ford, C. R., M. A. McGuire, R. J. Mitchell and R. O. Teskey. 2004. Assessing variation in the radial profile of sap flux density in *Pinus* species and its effect on daily water use. *Tree Physiology* 24:241-249.
- Ford, C. R., C. E. Goranson, R. J. Mitchell, R. E. Will and R. O. Teskey. 2004. Diurnal and seasonal variability in the radial distribution of stem flow: predicting total stem flow in *Pinus taeda* trees. *Tree Physiology* 24:941-950.

- Teskey, R. O. 2004. Canopy Processes. In: Encyclopedia of Forest Sciences. Academic Press, Publ.
- Barron-Gafford, G. A., R. E. Will, E. C. Burkes, B. Shiver and R. O. Teskey. 2003. Nutrient concentrations and their relation to stem growth of intensively managed *Pinus taeda* and *Pinus elliotii* stands of different planting intensities. Forest Science 49:291-300.
- Burkes, E. C., R. E. Will, Barron-Gafford, G. A., B. Shiver and R. O. Teskey. 2003. Biomass partitioning and growth efficiency of intensively managed *Pinus taeda* and *Pinus elliotii* stands of different planting intensities. Forest Science 49:224-234.
- Teskey, R. O. and M. A. McGuire. 2002. Carbon dioxide transport in xylem causes overestimation of rates of respiration in trees. Plant Cell and Environment, 25: 1571-1577.
- McGuire, M. A. and R. O. Teskey. 2002. Microelectrode technique for in situ measurements of carbon dioxide concentrations in xylem sap of trees. Tree Physiology 22:807-811.
- Will, R. E., G. E. Barron, E. C. Burkes, B. Shiver and R. O. Teskey. 2001. Relationship between intercepted radiation net photosynthesis, respiration and rate of stem volume growth of *Pinus taeda* and *Pinus elliotii* stands of different densities. Forest Ecology and Management 154:155-163.
- Johnsen, K. H., L. Samuelson, R. O. Teskey and T. Fox. 2001. Process models as tools in forestry research and management. Forest Science 47:2-8.
- Johnsen, K.H., D. Wear, R. Oren, R. O. Teskey, F. Sanchez, R. Will, J. Butnor, P. Dougherty, D. Markewitz, D. Richter, T. Rials, H.L. Allen, J. Seiler, D. Ellsworth, C. Maier, L. Samuelson, G. Katul. 2001. Carbon sequestration via southern pine forestry. Journal of Forestry 99:14-21.

Robert Joe Warren

Daniel B. Warnell School of Forestry and Natural Resources
University of Georgia
Athens, GA 30602-2152
Phone: (706)542-6474; FAX: (706)542-8356
e-mail: *warren@warnell.uga.edu*

Education:

B.S. (Zoology/Wildlife Ecology), Oklahoma State University, 1974
M.S. (Wildlife Management), Virginia Polytechnic Institute and State University, 1976
Ph.D. (Wildlife Biology), Virginia Polytechnic Institute and State University, 1979

Current Professional Position:

Interim Dean, Meigs Professor and Graduate Faculty Member, Daniel B. Warnell School of Forest Resources, University of Georgia; also Faculty Member and Major Professor in the M.S. Program in Conservation Ecology and Sustainable Development, Institute of Ecology.

Former Positions

Associate Professor (1986-1992) and Assistant Professor (1983-1986) of Wildlife Ecology and Management, University of Georgia; Assistant Professor of Wildlife Management, Texas Tech University (1979-1983); Wildlife Biologist, Natural Resources Office, U.S. Air Force (1977).

Professional Society Membership:

The Wildlife Society (Certified Wildlife Biologist, 1982)
Wildlife Damage Management Working Group of The Wildlife Society
Urban Wildlife Working Group of The Wildlife Society
Southeastern Section of The Wildlife Society
Georgia Chapter of The Wildlife Society
American Society of Mammalogists
Phi Kappa Phi (Honor Society)
Sigma Xi (Scientific Research Society)
Gamma Sigma Delta (Agricultural Honor Society)

Recent Professional Service:

Elected to the Executive Board of The Wildlife Society (4-year term: Vice-President, 2000-2001; President-Elect, 2001-2002; President, 2002-2003; Past-President, 2003-2004).

Program Chair and Editor, *Proceedings of the First National Bowhunting Conference*, American Archery Council, 2001-2002.

Recent Professional Awards:

Special Award for outstanding service as President of The Wildlife Society, 2003.
Distinguished Senior Faculty Award, University of Georgia Chapter of Gamma Sigma Delta, 2001

External Review or Expert Panel Service:

Invited External Reviewer; Invited by the Director of the New Jersey Department of Environmental Protection to provide a critical scientific review of a literature review entitled “An Analysis of the Feasibility of Using Fertility Control to Manage New Jersey Black Bear Populations”; June 2006.

Invited Member, Scientific Advisory Panel, Berryman Institute-East, College of Forest Resources, Mississippi State University; 2003-present.

Invited External Program Reviewer, Department of Fisheries and Wildlife Sciences, South Dakota State University, USDA Cooperative State Research, Education, and Extension Service; co-authored a 24-page report; 2001.

Instructional Achievements

As major or co-major professor, Dr. Warren has directed 51 M.S. or Ph.D. graduate students. He currently teaches courses in Natural Resources Conservation; Introduction to Fish and Wildlife Management; Wildlife Physiology and Nutrition; Senior Project in Forest Resources Management; and Field Methods in Wildlife Research and Management.

Research Proposals Funded:

Since 1980, Dr. Warren has received more than \$2 million in contracts or awards from state and federal agencies, and private organizations to support his research and technical work.

Research Publications:

Since 1975, Dr. Warren has authored or co-authored with students 107 technical articles in scientific journals, wrote 4 book chapters, edited or co-edited 4 books, and authored or co-authored with students 154 published abstracts from technical papers presented at scientific conferences.

Past Research Experience:

Dr. Warren’s professional interests include the ecology and management of wildlife in parks and urban/suburban areas, and wildlife physiology and nutrition. Since 1974, Dr. Warren has conducted research with a variety of mammalian and avian wildlife species. His past research focused primarily on physiological indices of nutritional and reproductive status in wild animals. Since 1983, he has conducted research to evaluate the ecological and population characteristics of white-tailed deer on Catoctin Mountain Park, MD; Cumberland Island National Seashore, GA;

Chickamauga National Battlefield Park, GA; Hilton Head Island, SC; and Kiawah Island, SC. He also has conducted research to restore native bobcats to Cumberland Island, GA; and to evaluate the ecological role of bobcats in controlling deer populations on Cumberland Island, GA and Kiawah Island, SC. Dr. Warren began conducting research in wildlife fertility control in 1985. He has evaluated the use of immunocontraception in feral horses on Cumberland Island, GA; immunocontraception in captive deer and horses; implantable steroid contraception in captive deer; contragestation in captive deer; and contragestation in wild deer in Minneapolis, MN and Kiawah Island, SC.

Books and Technical Publications, 2001-2007:

Field, R., R. J. Warren, H. Okarma, and P. R. Sievert, editors. 2001. Wildlife, land, and people: priorities for the 21st century. Proceedings of the Second International Wildlife Management Congress. The Wildlife Society, Bethesda, Maryland, USA. 403pp.

Warren, R. J. 2001. An overview of deer control programs used in urban and suburban communities in the USA. Pages 220-223 in R. Field, R. J. Warren, H. Okarma, and P. R. Sievert, editors. 2001. Wildlife, land, and people: priorities for the 21st century. Proceedings of the Second International Wildlife Management Congress. The Wildlife Society, Bethesda, Maryland, USA.

Baker, L. A., R. J. Warren, D. R. Diefenbach, W. E. James, and M. J. Conroy. 2001. Prey selection by reintroduced bobcats (*Felis rufus*) on Cumberland Island, Georgia. Amer. Midl. Nat. 145:80-93.

Waddell, R. B., D. A. Osborn, R. J. Warren, J. C. Griffin, and D. J. Kesler. 2001. Prostaglandin F_{2α}-mediated fertility control in captive white-tailed deer. Wildl. Soc. Bull. 29:1067-1074.

Scofield, C. L., R. J. Warren, W. A. Flick, and D. H. Newman. 2002. A survey of urban deer policies in four southeastern states. Proc. Ann. Conf. S.E. Assoc. Fish & Wildl. Agencies 56:412-420. (- Award for Best Paper in Wildlife Policy and Law, Southeastern Association of Fish and Wildlife Agencies)

Warren, R. J., editor. 2002. Proceedings of the first national bowhunting conference. Archery Manufacturers and Merchants Organization, Comfrey, Minnesota, USA. 142pp.

Maehr, D. S., J. J. Larkin, K. J. Alexy, R. J. Warren, N. W. Seward, J. W. Day, T. Toman, J. J. Cox, and M. A. Orlando. 2002. Response to West et al. 2002: Graduate education should not count more toward TWS certification. Wildl. Soc. Bull. 30: 979-982.

Bond, B. T., R. J. Warren, and M. I. Nelson. 2002. Winter Mortality of adult nine-banded armadillos (*Dasypus novemcinctus*) on Cumberland Island, Georgia. Georgia Journal of Science 60:209-215.

Jones, D. D., L. M. Conner, R. J. Warren, and G. O. Ware. 2002. The effect of supplemental prey and prescribed fire on success of artificial nests. J. Wildl. Manage. 66:1112-1117.

- Bowker, J. M., D. H. Newman, R. J. Warren, and D. W. Henderson. 2003. Estimating the economic value of lethal versus non-lethal deer control in suburban communities. *Society and Natural Resources* 16:143-158.
- Miller, B. F., L. I. Muller, T. N. Storms, E. C. Ramsay, D. O. Osborn, R. J. Warren, K. V. Miller, and K. A. Adams. 2003. A comparison of carfentanil/xylazine and Telazol®/xylazine for immobilization of white-tailed deer. *J. Wildl. Dis.* 39:851-858.
- Warren, R. J. 2003. The Wildlife Society and wildlife damage management professionals. *Proc. Wildl. Damage Manage. Conf.* 10:1-6.
- Godbois, I. A., L. M. Conner, and R. J. Warren. 2003. Bobcat diet on an area managed for Northern bobwhite. *Proc. Ann. Conf. S.E. Assoc. Fish & Wildl. Agencies* 57:222-227.
- Godbois, I. A., L. M. Conner, and R. J. Warren. 2003. Habitat use of bobcats at two different spatial scales in southwestern Georgia. *Proc. Ann. Conf. S.E. Assoc. Fish & Wildl. Agencies* 57:228-234.
- Godbois, I. A., L. M. Conner, and R. J. Warren. 2004. Space use patterns of bobcats relative to supplemental feeding of Northern bobwhite. *J. Wildl. Manage.* 68:514-518.
- Miller, B. F., L. I. Muller, T. Doherty, D. O. Osborn, K. V. Miller, and R. J. Warren. 2004. Effectiveness of antagonists tiletamine-zolazepam/xylazine immobilization in female white-tailed deer. *J. Wildl. Dis.* 39:147-151.
- Jones, D. D., L. M. Conner, T. H. Storey, and R. J. Warren. 2004. Prescribed fire and raccoon use of longleaf pine forests: possible implications for managing nest predation. *Wildl. Soc. Bull.* 32:1252-1259.
- Godbois, I. A., L. M. Conner, B. D. Leopold, and R. J. Warren. 2005. The effects of diet on mass loss of bobcat scat after exposure. *Wildl. Soc. Bull.* 33:149-153.
- Diefenbach, D. R., L. A. Hansen, R. J. Warren, and M. J. Conroy. 2006. Spatial organization of a reintroduced population of bobcats: Implications for population regulation. *J. Mamm.* 87(2):394-401.
- Mathiason, C. K., J. G. Powers, S. J. Dahmes, D. A. Osborn, K. V. Miller, R. J. Warren, G. L. Mason, S. A. Hays, J. Hayes-Klug, D. M. Seelig, M. A. Wild, L. L. Wolfe, T. R. Spraker, M. W. Miller, C. J. Sigurdson, G. C. Telling, and E. A. Hoover. 2006. Infectious prions in the saliva and blood of deer with chronic wasting disease. *Science* 314 (5796):133-136.
- D'Angelo, G. J., J. G. D'Angelo, G. R. Gallagher, D. A. Osborn, K. V. Miller, and R. J. Warren. 2006. Evaluation of wildlife warning reflectors for altering white-tailed deer behavior along roadways. *Wildl. Soc. Bull.* 34 (4):1175-1183.

Killmaster, C. H., D. A. Osborn, D. A., R. J. Warren, and K. V. Miller. 2006. Effect of roads and traffic on deer movements in a Georgia park. Proc. Ann. Conf. S.E. Assoc. Fish & Wildl. Agencies 60: (In Press).

Meares, J. M., B. P. Murphy, C. R. Ruth, D. A. Osborn, R. J. Warren, and K. V. Miller. 2006. A quantitative evaluation of the Severinghaus method for estimating age of white-tailed deer. Proc. Ann. Conf. S.E. Assoc. Fish & Wildl. Agencies 60: (In Press).

Killmaster, C. H., D. A. Osborn, D. A., R. J. Warren, and K. V. Miller. 2007. Deer and understory plant responses to a large-scale herd reduction on a Georgia state park. Natural Areas J. 27: (In Press).

D'Angelo, G. J., A. R. De Chicchis, D. A. Osborn, G. R. Gallagher, R. J. Warren, and K. V. Miller. 2007. Hearing range of white-tailed deer as determined by auditory brainstem response. J. Wildl. Manage. 71: (In Press).

curriculum vitae of
MICHAEL J. YABSLEY

Warnell School of Forestry and Natural Resources
and

Southeastern Cooperative Wildlife Disease Study
Department of Population Health
College of Veterinary Medicine
The University of Georgia
Athens Georgia, 30602

myabsley@uga.edu

Phone: 706.542.1741

FAX: 706.542.5865

EDUCATION

Doctor of Philosophy in Veterinary Parasitology, May 2004
Department of Infectious Diseases, College of Veterinary Medicine
The University of Georgia; Athens, GA 30602

Master of Science in Zoology, May 2000
Department of Biological Sciences
Clemson University, Clemson, SC 29631

Bachelor of Science in Biological Sciences, minor in Wildlife Biology, May 1997
Clemson University, Clemson, SC 29631

PROFESSIONAL EXPERIENCE

| | |
|---|-----------------|
| Assistant Professor | 3/2006- present |
| D.B. Warnell School of Forestry and Natural Resources (50%) and Southeastern Cooperative Wildlife Disease Study (50%) Department of Population Health, College of Veterinary Medicine University of Georgia, Athens, GA 30602 Position description: 50% research, 40% instruction, 10% service | |
| Assistant Research Scientist | 9/2004 – 2/2006 |
| Southeastern Cooperative Wildlife Disease Study, University of Georgia, Athens, GA 30602 Position description: 70% research, 30% service | |
| Post-doctoral Associate | 5/2004-8/2004 |
| Southeastern Cooperative Wildlife Disease Study University of Georgia, Athens, GA 30602 | |
| Graduate Research Assistant | 2000-2004 |
| Southeastern Cooperative Wildlife Disease Study University of Georgia, Athens, GA 30602 | |
| Research Technician Supervisor | 11/2000-02/2001 |
| Merial Ltd. Athens, GA 30605 | |

TEACHING EXPERIENCE

Instructor of record:

University of Georgia, Athens, GA

| | | | | |
|------------------------|------|---|-------------|-------------|
| FORS 5930/7984 | 3 cr | Wildlife Disease Ecology and Management | Spring 2007 | 26 students |
| FORS 5930/7984 | 1 cr | Wildlife Health Monitoring Methodologies | Summer 2005 | 3 students |
| | | | Summer 2006 | 3 students |
| | | | Summer 2007 | 10 students |
| POPH/IDIS 8580 | 1 cr | Wildlife Disease Seminar (Current topics in Wildlife Population Health) | Fall 2006 | 9 students |
| | | | Spring 2007 | 10 students |
| IDIS 8050 | 4 cr | Helminthology | Summer 2007 | 4 students |
| Undergraduate Research | | | | |
| | 3 cr | Spring 2007 | HONS 4990H | 1 student |
| | 4 cr | Spring 2007 | BIOL 4960H | 1 student |
| | 3 cr | Fall 2006 | HONS 4980H | 1 student |
| | 3 cr | Summer 2006 | BIOL 4960H | 1 student |
| | | Spring 2006 | | |
| | 3 cr | Fall 2005 | VETM 4970H | 1 student |
| | 3 cr | Fall 2005 | BIOL 4960 | 2 students |
| | 3 cr | Summer 2005 | VETM 4960H | 1 student |

USDA, APHIS, Wildlife Services Training Course, Ft. Collins, CO

Necropsy and Biological Specimen Collection Training for Wildlife Biologists
Instructed on necropsy techniques of avian and mammalian hosts and gave presentations on diagnostic assays, specimen collection, specimen processing, and shipment of specimens

| | |
|-----------|-------------|
| June 2004 | 45 students |
| June 2005 | 39 students |
| June 2006 | 37 students |
| June 2007 | 35 students |

Guest Lectures:

| | | | |
|----------------|--|-------------|-------------------------|
| BIOL 3700 | Animal Behavior | 1 lecture | Fall 2006 |
| FORS 1100 | Conservation of Natural Resources | 1 lecture | Fall 2006, Spring 2007, |
| | | | Summer 2007 |
| FORS 5310/7310 | Techniques in Wildlife Pop Mgmt | 2 lectures/ | Spring 2005, 2006, |
| 2007 | | 2 labs | |
| FORS 8630 | Vertebrate Biodiversity & Conservation | 1 lecture/ | Spring 2006, |
| 2007 | | discussion | |

| | | | |
|-------------------|------------------------------|------------|--------------------------------|
| IDIS 5250 | Epidemiology & Prev Medicine | 2 lectures | Fall 2003, 2004, 2005, 2006 |
| VEM 5503 (UF CVM) | Veterinary Epidemiology | 2 lectures | Spring 2005, 2006 |
| FORS/PARA 8500 | Wildlife Diseases I | 3 lectures | Summer 2002, 2003, 2004 |
| FORS/PARA 8510 | Wildlife Diseases II | 3 lectures | Summer 2002, 2003, 2004 |

Graduate Teaching Assistant – College of Veterinary Medicine, University of Georgia, Athens, GA

Veterinary Parasitology and Laboratory: PARA 5210 (4 semester hours)

2002: Assisted lecturers in preparation of class material including lectures, group lessons, and examinations. Assisted in development, setup, and teaching of laboratories. Supervised several group study sessions

Advanced Veterinary Parasitology and Laboratory: PARA 5220 (1 semester hour)

2003: Assisted in preparation and teaching of class lectures and laboratory sessions

Helminthology: PARA 8050 (4 semester hours)

2004: Assisted lecturers with class material. Developed and supervised laboratory sessions.

Laboratory Instructor and Teaching Asst. – Dept. of Biological Sciences, Clemson University, Clemson, SC

Invertebrate Zoology: BIOSC 307 (3 semester hours)

1997: Developed, setup, collected live specimens for demonstration, and instructed laboratories. Responsible for development, administration, and grading of examinations and practicals

Developmental Biology: BIOSC 447/667 (3 semester hours)

1998: Setup and instructed laboratories. Responsible for development, administration, and grading of examinations and practicals

Medical & Veterinary Parasitology: BIOSC 447/667 (3 semester hours)

1998-1999: Setup, collected live specimens for demonstration, and instructed laboratories. Responsible for development, administration, and grading of examinations and practicals

Human Anatomy and Physiology: BIOSC 222 (3 semester hours)

1999-2000: Setup and instructed laboratories. Responsible for development, administration, and grading of examinations and practicals

Protozoology: BIOSC 871 (3 semester hours)

2000: Setup, collected live specimens for demonstration, and instructed laboratories. Responsible for development, administration, and grading of examinations and practicals

Research Mentor -

College of Veterinary Medicine, University of Georgia, Athens, GA

Staci Murphy: (Fall 2004; Spring 2005; Fall 2005; Spring 2006)

“Characterization of piroplasms from wildlife in the Southeast” (Fall 2004)

“Molecular characterization of *Cytauxzoon felis* from Florida panthers” (Spring 2005)

“Field survey of raccoons for zoonotic tick-borne pathogens” (Fall 2005)

“Field survey of raccoons for zoonotic tick-borne pathogens” (Spring 2006)

Sean Adams (Fall 2006; Spring 2007)

“Experimental infection of dogs and deer with *Ehrlichia ewingii*”

Georgia Veterinary Scholars Program, College of Veterinary Medicine, University of Georgia, Athens, GA

Kate McMillan: “Infection dynamics of *Trypanosoma cruzi* in degus and short-tailed opossums” Summer 2007

Sean Adams: “Experimental infection of dogs and deer with *Ehrlichia ewingii*” Summer 2006

Sarah Clay: “Development of PCR-based assays for *Demodex*” Summer 2006

Staci Murphy: “Investigation of raccoons as potential reservoir hosts of zoonotic tick-borne pathogens – experimental infection trial” (Summer 2005)

Center for Undergraduate Research Opportunities, University of Georgia, Athens, GA

Wendy Fujito: “Investigation for genetic exchange in *T. cruzi* from the Southeast” (Spring 2007)

Mason Savage: “Diversity of tick-borne pathogens detected in ticks from Georgia” (Spring 2007)

Mason Savage: “Diversity of tick-borne pathogens detected in ticks from Georgia” (Fall 2006)

Mason Savage: “Diversity of tick-borne pathogens detected in ticks from Georgia” (Summer 2006)

Amanda Limbaugh “Detection of *Babesia* in falcons from the Middle East using PCR” (Summer 2006)

Mason Savage: “Molecular characterization of *T. cruzi* from the southern US” cont... (Spring 2006)

Mason Savage: “Molecular characterization of *T. cruzi* from the southern US” (Fall 2005)

Mason Savage: “Biological characterization of wildlife isolates of *Trypanosoma cruzi*” (Summer 2005)

Erica Sessler: “Growth characteristics of *T. cruzi* in LIT medium” (Fall 2005)

Rhett Willis: “Biological characterization of raccoon isolates of *T. cruzi* from Georgia” (Fall 2005)

GRADUATE COMMITTEES SERVED

Appointed to full graduate faculty status at the University of Georgia in 2005

Serve as Major Professor:

Emily Brown (MS in progress) Warnell School of Forestry and Natural Resources

Jessica Murdock (MS in progress) Warnell School of Forestry and Natural Resources

Benjamin R. Wilcox (MS in progress) Warnell School of Forestry and Natural Resources

Dawn Roellig, MS (PhD in progress) Department of Infectious Diseases, College of Veterinary Medicine

Mason Savage (CURO Honors thesis) Animal and Veterinary Sciences

Serve on Graduate Committee

Current

| | | | |
|----------------------|-----|--|---|
| Renee Carlton, DVM, | PhD | S. Schwitzer | Warnell |
| Richard Gerhold, DVM | MS | J. Fischer | Pathology, College of Veterinary Medicine |
| Sue Howell | MS | R. Kaplan | Infectious Diseases, College of Veterinary Medicine |
| Eva Whitehead | MS | Institute of Ecology and Steve Golladay (Jones Center) | |

Completed

Jaime Manangan (MS December 2006)

Major Professors: M.C. Wimberly/S. Schwitzer, Warnell School of Forestry and Natural Resources

Jessica Rodriguez (MS May 2006)

Major Professor: J.P. Carroll, Warnell School of Forestry and Natural Resources

SERVICE

ACADEMIC SERVICE

Department: Served as webpage editor (www.scwds.org) and assisted SCWDS Briefs

College: Research Coordination and Review Committee, WSFNR, 2006-present
Graduate Student Recruitment, Dept of Infectious Diseases, CVM, 2007-present

University: Land Use Planning Assistant Professor Search Committee, Warnell School of Forest Resources

Clinical: Diagnostic Parasitology, Southeastern Cooperative Wildlife Disease Study, College of Veterinary Medicine, University of Georgia, Athens, GA
2000-present

Editorial:

Assistant Editor, *Journal of Wildlife Diseases* (2004-present)

Editorial Board member, Wildlife Disease Association (2004-present)

Referee, *Journal of Parasitology*, *Parasitology Research*, *Veterinary Parasitology*, *Journal of Wildlife Diseases*, *Emerging Infectious Diseases*, *Journal of Zoo and Wildlife Medicine*, *Avian Pathology*, *Southeastern Naturalist*

Administrative- Regional/National/International:

Wildlife Disease Association

On-line publishing and information transfer committee (2003-present)

Student activities committee (2003-2004)

Southeastern Society of Parasitologists

Local arrangements committee (1998)

Session moderator (2003, 2006)

Vice President (2006-2007)

Meritorious Service Award Committee (2007-present; 3 yr term)

Consultant:

Veterinary Diagnostic Laboratory, College of Veterinary Medicine, University of Georgia – assist with clinical cases

University of Tennessee College of Veterinary Medicine – assist with clinical cases

2003, Consortium for Conservation Medicine, Palisades, New York

2003-2004, San Diego Zoo, San Diego, CA

2004-present, University of Tennessee College of Veterinary Medicine

AWARDS AND HONORS

2007 Competitive Travel Grant – University of Georgia Graduate Research Foundation
2005 Excellence in Research by Graduate Students Award, UGA Graduate School
(\$1,000)
2004 Terry Amundson best student presentation award, Wildlife Disease Association
(\$250)
2004 Pfizer Travel Award for Graduate Students (\$500)
2004 Byrd-Dunn best student presentation award, Southeastern Society of
Parasitologists
2004 Best student presentation award, Annual Research Day, CVM, UGA (\$175)
2003-2004 Achievement Rewards for College Scientists (ARCS) Foundation Fellow (\$5,000)
2003 Competitive Travel Grant – Graduate Affairs Committee, CVM, UGA (\$750)
2003 Norval-Young Award, Society for Tropical Veterinary Medicine (\$1,868)
2003 Competitive Travel Grant – University of Georgia Graduate Research Foundation
(\$1,150)
2003-2004 University of Georgia Graduate School Dissertation Completion Assistantship
(\$15,000)
2002 Wildlife Disease Association Scholarship (\$2,000)
2002 Competitive Travel Grant – Graduate Affairs Committee, CVM, UGA (\$750)
2002 Competitive Travel Grant – University of Georgia Graduate Research Foundation
(\$400)
2002 Meeting Scholarship – Southeastern Society of Parasitologists (\$50)
2002 Class of 1958 Sidney Ewing Scholarship in Vector-Borne Parasitology (\$250)
2000-2004 Graduate Research Assistantship – Southeastern Cooperative Wildlife Disease
Study, UGA

GRANT SUPPORT

Pending

Development of a training course in exotic animal disease preparedness for wildlife personnel.
Wildlife and Exotic Disease Preparedness Program. S.E.J. Gibbs, K. Halpin, and M.J. Yabsley (Co-PI). 7/3/2007-6/30/2008. AU\$35,622.

Current Funding

Chagas disease in southeastern Louisiana. Research Commercialization and Educational Enhancement Program (RC/EEP). P. Dorn, D. Wesson, F. Jacqueroiz, J. Malone, X. Xiong, F. Cogswell, P. Buekens, M. Yabsley (Co-PI), Y. Carlier, and E Dumonteil. 7/1/07-6/30/2009. \$498,000.

Investigation of and assistance with wildlife disease problems in the southeastern region of the United States. US Dept of the Interior. J.R. Fischer, D.G. Mead, M.K. Keel, M.J. Yabsley (Co-PI). \$231,500. 25% effort. 1/1/07-12/31/07.
Purpose: To conduct research on pathogens in free-ranging wildlife that can cause disease in wildlife, domestic animals, or humans.

Southeastern Cooperative Wildlife Disease Study Contracts. 17 State Wildlife Agencies. J.R. Fischer, D. G. Mead, M. K. Keel, M.J. Yabsley (Co-PI). \$427,000. 20% effort. 7/01/07-6/30/08.
To fund the Southeastern Cooperative Wildlife Disease Study in order to provide wildlife disease field assistance to state wildlife agencies and to conduct necessary research on wildlife diseases.

Natural history of *Borrelia lonestari*. R56AI062834-01A1. NIH/NIAD. S.E. Little, E.F. Blouin, W.R. Davidson, M. K. Keel, K.M. Kocan, D.E. Stallknecht, M.C. Wimberly, and M.J. Yabsley (Co-PI). \$331,200. 10% effort total grant; PI of \$110,000 subcontract to UGA from OSU. 06/1/06-05/31/08
Purpose: This project supports investigations into the natural maintenance cycle of *Borrelia lonestari* in wildlife reservoirs and tick vectors.

Molecular and biological characterization of *Trypanosoma cruzi* from United States. R15 AI067304-01. NIH/NIAD. M.J. Yabsley (PI), A. E. Ellis, C.A. Hall, and M.A. Miles, \$221,250. 10% effort. 7/01/06-6/30/09.
Purpose: To characterize *T. cruzi* isolates from wildlife, domestic animals, and humans from the United States and compare them to Latin American isolates.

USDA-APHIS-Wildlife Services Disease Training. USDA-APHIS. J.R. Fischer, J.L. Corn, M.K. Keel, and M.J. Yabsley (Co-PI). \$150,000. 20% effort. 10/1/06-9/30/07.
Purpose: to provide training to Wildlife Services personnel regarding foreign animal diseases, zoonotic diseases, and other diseases with which wildlife may play a role in the epidemiology.

Past Funding

Southeastern Cooperative Wildlife Disease Study Contracts. 17 State Wildlife Agencies. J.R. Fischer, D. G. Mead, M. K. Keel, M.J. Yabsley (Co-PI). \$431,105. 20% effort. 7/01/06-6/30/07.
To fund the Southeastern Cooperative Wildlife Disease Study in order to provide wildlife disease field assistance to state wildlife agencies and to conduct necessary research on wildlife diseases.

- Validation of a recombinant protein ELISA for detection of *Ehrlichia ewingii* in dogs and deer. University of Georgia Research Foundation. M.J. Yabsley (PI). \$6,200. 20% effort. 1/3/06-12/21/06.
Purpose: to validate a recombinant ELISA for sensitive and specific detection of *Ehrlichia ewingii* in naturally and experimentally infected deer and dogs.
- Vector-Borne Disease Surveillance - Wild Bird, Mosquito, and Tick Diagnostic Support. Georgia Dept of Human Resources, Division of Public Health. D.E. Stallknecht, D.G. Mead, M. J. Yabsley (Co-PI), E.W. Howerth. \$199,768. 10% effort. 1/1/06 – 12/20/06. To conduct surveillance for West Nile virus in mosquito and dead bird submissions and test ticks for evidence of bacterial pathogens.
- Diagnostic assays for *Borrelia lonestari*. R03AI060868. NIH/NIAD. S.E. Little, W.R. Davidson, D.E. Stallknecht, and M.J. Yabsley (Co-PI). \$147,200. 15% effort. 7/1/05-6/30/07.
Purpose: The major goals are to develop diagnostic assays for *B. lonestari* and specifically to refine culture methods, develop means of directly detecting organisms in blood, develop specific molecular assays, and identify antigens that elicit production of species specific antibodies.
- Landscape ecology and mapping of ehrlichial pathogens. R03AI062944. NIH/NIAD. M.C. Wimberly, W.R. Davidson, and M.J. Yabsley (Co-PI). \$147,200. 10% effort. 3/1/2005-2/28/2007.
Purpose: To apply concepts and methods from landscape ecology to improve our understanding of the environmental constraints on vector and pathogen spread, and to develop more effective methods for mapping pathogen distributions and disease risk.
- USDA-APHIS-Wildlife Services Disease Training. USDA-APHIS. J.R. Fischer, J.L. Corn, and M.J. Yabsley (Co-PI). \$150,000. 20% effort. 10/1/05-9/30/06.
Purpose: to provide training to Wildlife Services personnel regarding foreign animal diseases, zoonotic diseases, and other diseases with which wildlife may play a role in the epidemiology.
- Raccoons as potential reservoir hosts of tick-borne zoonoses. Southeast Center for Emerging Biologic Threats and the Centers for Disease Control and Prevention. M.J. Yabsley (PI), W.R. Davidson, D.E. Stallknecht, and A.S. Varela. \$47, 146. 40% effort. 10/1/04-8/30/06.
Purpose: To evaluate raccoons as potential reservoir hosts for the major tick-borne zoonoses *Ehrlichia chaffeensis*, *E. ewingii*, *Anaplasma phagocytophilum*, and *Borrelia lonestari* and investigate potential cross reactivity with a novel *Ehrlichia*-like organism of raccoons.
- Southeastern Cooperative Wildlife Disease Study Contracts. 17 State Wildlife Agencies. J.R. Fischer, D. G. Mead, M. K. Keel, M.J. Yabsley (Co-PI). \$326,060. 20% effort. 7/01/06-6/30/06.

To fund the Southeastern Cooperative Wildlife Disease Study in order to provide wildlife disease field assistance to state wildlife agencies and to conduct necessary research on wildlife diseases.

Vector-Borne Disease Surveillance - Wild Bird, Mosquito, and Tick Diagnostic Support. Georgia Dept of Human Resources, Division of Public Health. D.E. Stallknecht, D.G. Mead, M. J. Yabsley (Co-PI), E.W. Howerth. \$188,224. 10% effort. 7/5/05 – 12/20/05. To conduct surveillance for West Nile virus in mosquito and dead bird submissions and test ticks for evidence of bacterial pathogens.

Natural history of *Babesia* species in wildlife from the southeastern United States. University of Georgia Research Foundation. M.J. Yabsley (PI). \$8,300. 20% effort. 1/3/05-1/2/06. Purpose: To survey wildlife in the Southeast for infections with *Babesia* and other piroplasms. Positive samples will be characterized by amplification and sequencing of the 18S rRNA, ITS region, and beta-tubulin genes.

USDA-APHIS-Wildlife Services Disease Training. USDA-APHIS. J.R. Fischer, J.L. Corn, and M.J. Yabsley (Co-PI). \$150,000. 20% effort. 10/1/04-9/30/05. Purpose: to provide training to Wildlife Services personnel regarding foreign animal diseases, zoonotic diseases, and other diseases with which wildlife may play a role in the epidemiology.

Parasite analysis of Galapagos birds. The Consortium for Conservation Medicine. M.J. Yabsley (PI). \$2,000. 5% effort. 2003.

Grants submitted – NOT FUNDED

White-tailed deer as reservoir hosts and sentinels for *Ehrlichia ewingii*. NIH/NIAID. M. J. Yabsley (PI), S.E. Little, and T.P. O'Connor. \$147,000. 15% effort. 1/2/06-12/31/07. revision November 2006.

Natural history of *Borrelia lonestari*. NIH/NIAD. S.E. Little, E.F. Blouin, W.R. Davidson, M. K. Keel, K.M. Kocan, D.E. Stallknecht, M.C. Wimberly, and M.J. Yabsley (Co-PI). \$1,472,000. 25% effort. Revised proposal submitted February 2005. PERCENTILE = 16.4%.
NOTE: First year funded under R56 mechanism

White-tailed deer as reservoir hosts and sentinels for *Ehrlichia ewingii*. NIH/NIAID. M. J. Yabsley (PI), S.E. Little, and T.P. O'Connor. \$147,000. 15% effort. 1/2/06-12/31/07. submitted February 2006.

Climatic variability, land-use change, and the ecology of *Ehrlichia chaffeensis*, a tick-borne zoonosis. National Science Foundation. Collaborative research total of \$1,635,016. University of Georgia - M.J. Yabsley (PI) \$855,024 and South Dakota State University - M.C. Wimberly (PI) and G.M. Henebry \$779,992. submitted 2/06.

Experimental infection of white-tailed deer with *Ehrlichia ewingii*. VMES/UGA. 2006. M.J. Yabsley (PI), S.E. Little, T. O'Connor. \$15,000.

Infection dynamics and virulence of *Trypanosoma cruzi* from the United States. American Heart Association. M. J. Yabsley (PI) and S. E. J. Gibbs, \$110,000. 10% effort. Submitted January 2006.

Characterization of *Cytauxzoon felis* and a novel *Babesia* species from wild felids. M.J. Yabsley (PI), M.C. Cunningham. \$92,986. 35% effort. 7/10/6-6/30/08. Morris Animal Foundation. submitted October 2005.

Natural history of piroplasms in wildlife from the southeastern US. Morris Animal Foundation. \$97,746.

Characterization of piroplasms from wild felids. VMES/UGA. M.J. Yabsley (PI), M.W. Cunningham. \$15,000.

Human ehrlichiosis: surveillance and epidemiology. R01AI044235. NIH/NIAD. W. R. Davidson, M. J. Yabsley (Co-PI), D. E. Stallknecht, S. E. Little, and M. Wimberly. \$1,392,264. 70% effort. Revised renewal submitted October 2004.

Modeling risk for human monocytotropic ehrlichiosis in Georgia. Southeast Center for Emerging Biologic Threats and Centers for Disease Control and Prevention. M.J. Yabsley (PI). \$45,307. 10/1/05-8/30/06. submitted July 2005.

White-tailed deer as reservoir hosts and sentinels for *Ehrlichia ewingii*. M. J. Yabsley (PI), S.E. Little, and T.P. O'Connor. \$59,989. 15% effort. 1/2/06-12/31/07. submitted August 2005.

PUBLICATIONS - Journal articles - Peer Reviewed

†Student under Dr. Yabsley's supervision

‡Dr. Yabsley served as senior (corresponding) author

In preparation

1. Manangan, JS, MC Wimberly, **MJ Yabsley**, N Nibbelink, and SH Schweitzer. Spatio-temporal analysis of *Ehrlichia chaffeensis* in the Mississippi alluvial valley (1981-2005). Vector Borne Zoonotic Diseases
2. **Yabsley, Michael J.**‡, Staci M. Murphy†, M. Page Luttrell, David E. Stallknecht, and Susan E. Little. Experimental inoculation of raccoons with *Ehrlichia chaffeensis*, *E. canis*, *E. ewingii*, *Anaplasma phagocytophilum*, and *Borrelia lonestari*. Journal of Clinical Microbiology
3. **Yabsley, Michael J.**‡, Staci M. Murphy†, Ben Wilcox, Lance A. Durden, Lisa Conti, and Carina Blackmore. Survey of four peridomestic raccoon populations for evidence of tick-borne zoonoses. Vector-Borne and Zoonotic Diseases.

4. **Yabsley, Michael J.**‡, Angela E. Ellis, David E. Stallknecht, and Elizabeth W. Howerth. Molecular characterization of *Sarcocystis* from hawks from Georgia (in prep).
5. Fischer, John R., William R. Davidson, Osborne E. Baker, **Michael J. Yabsley**, others. Health assessment of mink from Louisiana and South Carolina. *Journal of Wildlife Diseases* (in prep).
6. **Yabsley MJ**, SM Murphy, MP Luttrell, DE Stallknecht, SE Little, LA Conti, CGM Blackmore, and LA Durden. Experimental and field studies on the suitability of raccoons (*Procyon lotor*) as hosts for tick-borne zoonoses
7. Dugan, VG, **MJ Yabsley**, MC Wimberly, DE Stallknecht, SE Little, and WR Davidson. The predicted distribution of *Anaplasma phagocytophilum*, etiologic agent of human granulocytotropic anaplasmosis, using geographic information systems analyses. *American Journal of Tropical Medicine and Hygiene*.
8. Loftis, AD, TR Mixson, EY Stromdahl, **MJ Yabsley**, LE Garrison, PC Williamson, R Fitak (and P Fuerst), and K Blount. 2007. Geographic distribution and diversity of the *Ehrlichia* sp. from Panola Mountain.

Submitted

1. Apperson, CS, B Engber, WN Nicholson, DG Mead, J Engel, **MJ Yabsley**, K Dail, J Jonson, and DW Watson. Rickettsial diseases in North Carolina: Is “*Rickettsia amblyomii*” a possible cause of rickettsiosis reported as Rocky Mountain Spotted Fever? *Emerging Infectious Diseases*
2. **Yabsley MJ**, J McKibben, CN Macpherson, PF Cattán, T O’Connor, C Ramaswamy, G Ball, S Friesen, J Goedde, B Henderson, T Patterson, M Lanza Perea, and W Sylvester. Prevalence of *Ehrlichia canis*, *Anaplasma platys*, *Babesia canis vogeli*, *Hepatozoon canis*, and *Dirofilaria immitis* in dogs from Grenada. *Veterinary Parasitology*
3. **Yabsley MJ**, SM Murphy, MP Luttrell, BR Wilcox, EW Howerth, and UG Munderloh. Description of *Neoehrlichia lotori* gen. nov., sp. nov. (Family Anaplasmataceae) from raccoons (*Procyon lotor*). *International Journal of Systematic and Evolutionary Microbiology*
4. Yabsley MJ, AD Loftis, and SE Little. Detection of an *Ehrlichia* sp. that is closely related to *Ehrlichia ruminantium* in white-tailed deer (*Odocoileus virginianus*). *Journal of Wildlife Diseases*
5. Lindström, Karin, Olga Dolnik, **Michael J. Yabsley**, Olof Hellgren, Barry O’Connor, Henrik Pärn, and Johannes Foufopoulos. Feather mites and blood parasites in small ground finches (*Geospiza fuliginosa*) on the Galapagos Islands. *Journal of Parasitology*.

Published or Accepted/In press

1. Gerhold, RW and **MJ Yabsley**. Toxoplasmosis in a red-bellied woodpecker (*Melanerpes carolinus*). *Avian Diseases* (in press).
2. Davis, AK, **MJ Yabsley**, MK Keel, and JC Maerz. 2007. Discovery of a novel alveolate pathogen affecting southern leopard frogs in Georgia: Description of the disease and host effects. *EcoHealth* (in press).

3. Manangan, JS, MC Wimberly, **MJ Yabsley**, SE Gibbs, N Nibbelink, and SH Schweitzer. Spatial analyses of the distribution of two tick-borne bacteria, *Anaplasma phagocytophilum* and *Ehrlichia chaffeensis*. Vector Borne Zoonotic Diseases (in press).
4. Wimberly, MC, **MJ Yabsley**, AD Baer, VG Dugan, and WR Davidson. Bacterial Biogeography: Climate and land cover influences on the distributions of tick-borne pathogens. Global Ecology and Biogeography. (in press).
5. Munderloh, UG, **MJ Yabsley**, SM Murphy†, MP Luttrell and EW Howerth. 2007. Isolation and establishment of the raccoon *Ehrlichia*-like agent in tick cell culture. Vector Borne and Zoonotic Diseases (in press)
6. Dorn, PL, L Perniciaro, **MJ Yabsley**, DM Roellig†, G Balsamo, J Diaz, and D Wesson. 2007. Autochthonous transmission of *Trypanosoma cruzi*, Louisiana. Emerging Infectious Diseases 13:605-7 (<http://www.cdc.gov/eid/content/13/4/605.htm>)
7. **Yabsley, MJ.** ‡ 2007. Natural history of *Ehrlichia chaffeensis*. Veterinary Parasitology (in press).
8. **Yabsley, MJ.** ‡ *Eimeria* of Wild Birds. In: N. Thomas, B. Hunter, and C. Atkinson (Eds.) Parasitic Diseases of Wild Birds. Iowa State University Press (in press).
9. Yamasaki, M., H. Inokuma, C Sugimoto, SE Shaw, M Aktas, **MJ Yabsley**, O Yamato and Y Maede. 2007. Comparison and phylogenetic analysis of the heat shock protein 70 gene of *Babesia* parasites from dogs. Veterinary Parasitology 145:217-227.
10. Wilcox, BR, **MJ Yabsley**, AE Ellis, DE Stallknecht and SEJ Gibbs. 2007. West Nile virus antibody detection and persistence in American crows (*Corvus brachyrhynchos*) and fish crows (*Corvus ossifragus*). Avian Diseases 51:125-128.
11. Paddock, CD and **MJ Yabsley**. 2007. Ecological havoc, the rise of white-tailed deer, and the unveiling of *Amblyomma americanum*-associated zoonoses in the United States. In: CTMI vol. on Wildlife and Emerging Zoonotic Diseases: The Biology, Circumstances, and Consequences of Cross-Species Transmission. J. Mackenzie (Editor). Current Topics in Microbiology and Immunology 315:289-324.
12. Harvey, JW, MR Dunbar, TM Norton, and **MJ Yabsley**. 2007. Laboratory findings in acute *Cytauxzoon felis* infection in cougars (*Puma concolor*) in Florida. Journal of Zoo and Wildlife Medicine 38:285-291.
13. Hall, CA, C Polizzi, **MJ Yabsley**, and TM Norton. 2007. *Trypanosoma cruzi* prevalence and epidemiologic trends in lemurs on St. Catherines Island, Georgia, USA. Journal of Parasitology 93:93-6.
14. Labruna, Marcelo B., Jere W. McBride, Luis Marcelo A. Camargo, Daniel M. Aguiar, **Michael J. Yabsley**, William R. Davidson, Ellen Y. Stromdahl, Phillip C. Williamson, Roger W. Stich, S. Wesley Long, Erney P. Camargo, and David H. Walker. 2007. A preliminary investigation of *Ehrlichia* species in ticks, humans, dogs, and capybaras from Brazil. Veterinary Parasitology 143:189-195.
15. **Yabsley, Michael J.** ‡ , Carly N. Wetch, Sheila M. Mitchell, Terry M. Norton, and David S. Lindsay. 2007. Seroprevalence of *Toxoplasma gondii*, *Sarcocystis neurona*, and *Encephalitozoon cuniculi* in three species of lemurs from St. Catherines Island, Georgia. Veterinary Parasitology 144:28-32.
16. Brown, Justin D., M. Kevin Keel, **Michael J. Yabsley**, Tyler Thigpen, and John C. Maerz. 2006. Clinical challenge. Skin – multifocal histiocytic dermatitis with intralesional trombiculid mites. Journal of Zoo and Wildlife Medicine 37:571-573.

17. Dugan, Vivien G., **Michael J. Yabsley**, Cynthia M. Tate, Daniel G. Mead, Ulrike G. Munderloh, Michael J. Herron, David E. Stallknecht, Susan E. Little, and William R. Davidson. 2006. Evaluation of a prototype *Anaplasma phagocytohilum* surveillance system using white-tailed deer (*Odocoileus virginianus*) as natural sentinels. *Vector Borne and Zoonotic Diseases* 6:197-212.
18. **Yabsley, Michael J.** ‡, Staci M. Murphy †, and Mark W. Cunningham. 2006. Molecular detection and characterization of *Cytauxzoon felis* and a novel *Babesia* species in cougars (*Puma concolor*) from Florida. *Journal of Wildlife Diseases* 42:366-374.
19. Gibbs, Samantha E. J., Andrew B. Allison, **Michael J. Yabsley**, and David E. Stallknecht. 2006. West Nile virus antibodies in avian species of Georgia, USA: 2000-2004. *Vector Borne and Zoonotic Diseases* 6:57-72.
20. Gibbs, Samantha E. J., Michael C. Wimberly, Marguerite Madden, Janna Masour, **Michael J. Yabsley**, David E. Stallknecht. 2006. Factors affecting the geographic distribution of West Nile virus in Georgia, USA: 2002-2004. *Vector Borne and Zoonotic Diseases* 6:73-82.
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PRESENTATIONS - INVITED SEMINARS AND PRESENTATIONS

1. **Yabsley MJ.** Abomasal parasite counts of deer. Spring Director's meeting of the Southeastern Fish and Wildlife Agencies. May 5, 2007. Athens, GA.
2. **Yabsley MJ.** Natural history of *Amblyomma americanum*-transmitted *Ehrlichia*. American Association of Veterinary Parasitologists. 2007. Washington, DC.
3. **Yabsley MJ.** Natural History of *Ehrlichia* transmitted by the lone star tick, *Amblyomma americanum*. 2007. American Society of Microbiologists. Toronto Canada.

4. **Yabsley MJ.** Ecology of *Ehrlichia*. Climate, Ecology, and Infectious Diseases. University of Georgia Biomedical Health Science Institute Annual Symposium. April 17, 2007, Athens, GA.
5. **Yabsley MJ.** Tick-borne diseases in the Southeast. J.W. Jones Ecological Research Center at Ichauway. March 26, 2007, Newton, GA.
6. **Yabsley MJ.** 2007. Tick and wildlife surveillance of Ehrlichia in the southeastern United States. Southeastern Center for Emerging Biologic Threats symposium: Vectorborne Diseases of the Southeastern United States. May 8-9, 2007. Durham, NC.
7. **Yabsley MJ.** Epidemiology of American trypanosomiasis. College of Veterinary Medicine, University of Georgia. Georgia Veterinary Scholars. February 9, 2007. Athens, GA.
8. **Yabsley, Michael J.** 2007. Use of wildlife as sentinels for human pathogens. Emergency Animal Preparedness Seminar, Athens, GA. May 16, 2007.
9. **Yabsley, Michael J.** 2007. Overview of Diagnostic Testing. Given at the Wildlife Services, APHIS, USDA training session titled "Necropsy and Biological Specimen Collection Training for Wildlife Biologists" Ft. Collins, CO.
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12. **Yabsley, MJ.** Tick-borne zoonotic diseases associated with wildlife. Department of Biology, College of Charleston. November 13, 2006. Charleston, SC.
13. **Yabsley, Michael J.** Wildlife Diseases. The UGA student chapter of the Wildlife Society. November 1, 2006.. Athens, GA.
14. **Yabsley, Michael J.** Wildlife Diseases on the move in the Southeast. Society of American Forestry, Oconee Chapter. September 21, 2006. Athens, GA.
15. **Yabsley, Michael J.** 2006. Overview of Diagnostic Testing. Given at the Wildlife Services, APHIS, USDA training session titled "Necropsy and Biological Specimen Collection Training for Wildlife Biologists"
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18. **Yabsley, Michael J.** Natural history of polymicrobial tick-borne infections. Southeastern Society of Parasitologists. Gatlinburg, TN. March 29-31, 2006.
19. **Yabsley, Michael J.** Emerging tick-borne diseases: recent advances and the role of wildlife. Warnell School of Forest Resources, University of Georgia, Athens, GA. January 9, 2006.
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21. **Yabsley, Michael J.** Emerging tick-borne diseases: recent advances and the role of wildlife. The American College of Veterinary Pathologists, Boston, MA. December 3-7, 2005.

22. **Yabsley, Michael J.** Role of white-tailed deer and raccoons as reservoir hosts of tick-borne ehrlichiae. Department of Biology. Georgia Southern University, Statesboro, GA. November 14, 2005.
23. **Yabsley, Michael J.** Role of white-tailed deer and raccoons as reservoir hosts of tick-borne ehrlichiae. Department of Pathobiology. Center for Veterinary Sciences, Oklahoma State University, Stillwater, OK. November 7, 2005.
24. **Yabsley, Michael J.** Piroplasms: an ever expanding world. Department of Pathobiology. College of Veterinary Medicine, University of Florida, Gainesville, FL. February 8, 2005.
25. **Yabsley, Michael J.** 2004. Current Wildlife Issues. North Carolina Division of Wildlife Management Annual Meeting, Crossnore, NC. August 2-4, 2004.
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29. **Yabsley, Michael J.** Zoonotic diseases of wildlife. Georgia Wildlife Control Operators Meeting. Social Circle, GA. April 17, 2004.
30. **Yabsley, Michael J.** Landscape epidemiology of *Ehrlichia chaffeensis*, an emerging tick borne zoonosis. Department of Biology, Berry College, Mt. Berry, GA. April 13, 2004.
31. **Yabsley, Michael J.,** Michael C. Wimberly, Vivien G. Dugan, David E. Stallknecht, Susan E. Little, and William R. Davidson. Spatial analysis of the distribution of *Ehrlichia chaffeensis*, causative agent of human monocytotropic ehrlichiosis, across a multi-state region. University of Georgia Biomedical Health Science Institute Third Annual Symposium – Emerging Infectious Diseases: Threats to the Southeastern United States, Savannah, GA. March 4, 2004.
32. **Yabsley, Michael J.** Use of white-tailed deer as natural sentinels for lone star tick vectored emerging zoonoses. College of Veterinary Medicine, University of Florida, Gainesville, FL. December 10, 2003.
33. **Yabsley, Michael J.** Lone star ticks, white-tailed deer, and emerging zoonotic pathogens in the southeastern United States. Clemson University, Clemson, SC. February 21, 2003.
34. **Yabsley, Michael J.** Zoonotic diseases associated with raccoons and other wildlife. Georgia Trappers Association Annual Meeting. Waycross, GA. September 19-21, 2003.

OTHER SCHOLARLY WORKS

Yabsley, MJ and JE Brown. 2005. Hemorrhagic disease of white-tailed deer. Educational brochure. 195,000 copies produced.

PRESENTATIONS - Regional, national, international

†Student under Dr. Yabsley’s supervision

1. †McMillan, K, DM Roellig, and **MJ Yabsley**. 2007. Infection dynamics of *Trypanosoma cruzi* strains from North and South America in degus (*Octodon degus*) and short-tailed opossums (*Monodelphis domestica*). Annual Merck/Merial Veterinary Scholars Symposium, Bethesda, MD.
2. †McMillan, K, DM Roellig, and **MJ Yabsley**. 2007. Infection dynamics of *Trypanosoma cruzi* strains from North and South America in degus (*Octodon degus*) and short-tailed opossums (*Monodelphis domestica*). Annual Veterinary Research Day. College of Veterinary Medicine, University of Georgia, Athens, GA.
3. Loftis, AD, TR Mixon, EY Stromdahl, **MJ Yabsley**, LE Garrison, PC Williamson, R Fitak, P Fuerst, and K Blount. 2007. Geographic distribution and genetic diversity of the newly discovered Panola Mountain *Ehrlichia* sp. American Society of Rickettsiologists. Colorado Springs, CO
4. **Yabsley, MJ**, AD Loftis, and SE Little. 2007. Natural and experimental infection of white-tailed deer (*Odocoileus virginianus*) with an *Ehrlichia* sp. from the United States closely related to *Ehrlichia ruminantium*. American Society of Rickettsiologists. Colorado Springs, CO
5. **Yabsley, MJ**, DM Roellig, EM Brown, W Fujita, and MY Savage. 2007. Epidemiology of *Trypanosoma cruzi* from the southeastern United States. American Society of Tropical Medicine and Hygiene. Philadelphia, PA
6. Garrison LE, M Vello, D Cole, **MJ Yabsley**, and G Lopez. 2007. Tick bite prevention behavior among participants in the Georgia Tick Attach Study. Georgia Public Health Association, Savannah, GA.
7. **Yabsley, MJ**, DM Roellig, EM Brown, W Fujita, and MY Savage. 2007. Natural history of *Trypanosoma cruzi* from the southeastern United States. American Association of Veterinary Parasitologists, Washington DC
8. †Gerhold, RG and **MJ Yabsley**. 2007. Molecular evidence of cryptic species in the *Trichomonas gallinae* complex from wild birds in the United States. American Association of Veterinary Parasitologists, Washington DC
9. **Yabsley, MJ**, AD Loftis, and SE Little. 2007. Natural and experimental infection of white-tailed deer (*Odocoileus virginianus*) with an *Ehrlichia* sp. from the United States closely related to *Ehrlichia ruminantium*. Wildlife Disease Association, Estes Park, CO
10. †Roellig DM and **MJ Yabsley**. 2007. Implications of mesomammal scavenging behavior on the horizontal transmission of *Trypanosoma cruzi* in North America. Wildlife Disease Association, Estes Park, CO
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12. †Brown Wildlife Disease Association, Estes Park, CO
13. †Murdock Wildlife Disease Association, Estes Park, CO
14. †Murdock J and **MJ Yabsley**. 2007. Wildlife Disease Association, Estes Park, CO
15. Costa, TP, JL Reis, R McManamon, **MJ Yabsley**, and EW Howerth. 2007. American canine hepatozoonosis in a border collie. Annual Southeastern Veterinary Pathology Conference. Tifton, GA.
16. Little SE, LM Parsons, M West, and **MJ Yabsley**. 2007. Co-transmission of multiple *Ehrlichia* spp. to white-tailed deer by lone star ticks (*Amblyomma americanum*). Joint

- Livestock Insect Workers' Conference and International Symposium on Ectoparasites of Pets, Lexington, KY June 10-14, 2007.
17. Daniluk D, J Slauenwhite, T O'Connor, M Yabsley, P Diniz, E Breitschwerdt, S Gaunt, and R Chandrashekar. 2007. Preliminary evaluation of a peptide-based assay for detection of antibodies to *Ehrlichia ewingii* in infected dogs. American College of Veterinary Internal Medicine.
 18. Garrison, LE, Vello M, Cole D, **MJ Yabsley** 2007. Tick bite prevention behavior among participants in the Georgia Tick Attach Study, American Society of Tropical Medicine and Hygiene.
 19. †Roellig, DM, W Fujita, MY Savage, and **MJ Yabsley**. 2007. Evidence of genetic exchange in *Trypanosoma cruzi* from the United States. American Society of Parasitologists. Merida, Mexico.
 20. **Yabsley, MJ**, EL Brown, KM Wenning, and DM Roellig. *Trypanosoma cruzi* in mesomammals from Georgia and Arizona. North American Congress of Parasitology and American Society of Parasitologists. Merida, Mexico.
 21. Dorn, PL, L Perniciaro, **MJ Yabsley**, DM Roellig, G Balsamo, J Diaz and D Wesson. 2007. First Report of Autochthonous Transmission of the Chagas parasite, *Trypanosoma cruzi*, in Louisiana and Sixth in United States. North American Congress of Parasitology and American Society of Parasitologists. Merida, Mexico.
 22. **Yabsley, MJ**, UG Munderloh, SM Murphy, MP Luttrell, and EW Howerth. 2007. Isolation and partial characterization of a novel *Ehrlichia*-like species from raccoons (*Procyon lotor*). Southeastern Society of Parasitologists. Charleston, SC.
 23. †Gerhold, RW, **MJ Yabsley**, and JR Fischer. 2007. Molecular characterization of the ITS regions of *Trichomonas gallinae*. Southeastern Society of Parasitologists. Charleston, SC.
 24. †Roellig, DM, W Fujita, MY Savage, and **MJ Yabsley**. 2007. Molecular characterization of *Trypanosoma cruzi*. Southeastern Society of Parasitologists. Charleston, SC.
 25. †Savage, MY, **MJ Yabsley**, DG Mead, LE Garrison, and GP. Lopez. 2007. Detection of tick-borne pathogens in ticks collected off Georgia residents. Southeastern Society of Parasitologists. Charleston, SC.
 26. †Murdock, JH, **MJ Yabsley**, C Ramaswamy, T O'Connor, and SE Little. 2007. Use of white-tailed deer as sentinels for *Borrelia* spp. in the eastern United States. Southeastern Society of Parasitologists. Charleston, SC.
 27. †Brown, EL and **MJ Yabsley**. 2007. Seroprevalence of *Trypanosoma cruzi* in raccoons and opossums from Georgia. Southeastern Society of Parasitologists. Charleston, SC.
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 30. Tarello, W. and **MJ Yabsley**. 2006. Babesiosis in falcons. 31st World Small Animal Veterinary Congress, Prague, Czech Republic.
 31. Wimberly, MC, **MJ Yabsley**, WR Davidson, and VG Dugan. 2006. Ecological models for predicting the regional distributions of tick-borne pathogens. Ecohealth ONE, Madison, WI
 32. Engel, J, C Apperson, B. Engber, W Nicholson, D. Mead, **M Yabsley**, K Dail, and W Watson. 2006. Possible human infections due to spotted fever group rickettsiae other than

- Rickettsia rickettsii* in North Carolina. 44th Annual meeting of the Infectious Diseases Society of America, Toronto, Canada.
33. **Yabsley, MJ**, DS Adams†, TP O'Connor. 2006. Experimental infection of domestic dogs with *Ehrlichia ewingii*. Annual meeting of the American Society of Rickettsiology, Pacific Grove, CA.
 34. **Yabsley, MJ**, UG Munderloh, SM Murphy, MP Luttrell, and EW Howerth. 2006. Isolation and partial characterization of a novel *Ehrlichia*-like species from raccoons (*Procyon lotor*). Annual meeting of the American Society of Rickettsiology, Pacific Grove, CA.
 35. †Murphy, SM, **MJ Yabsley**, MP Luttrell, DE Stallknecht, and SE Little. 2006. Experimental inoculation of raccoons (*Procyon lotor*) with *Ehrlichia chaffeensis*, *Ehrlichia canis*, *Ehrlichia ewingii*, *Anaplasma phagocytophilum*, and *Borrelia lonestari*. Annual meeting of the American Society of Rickettsiology, Pacific Grove, CA.
 36. Apperson, Charles, Barry Engber, William Nicholson, Danny Mead, **Michael Yabsley**, Jeffrey Engel, Kathy Dail, Joey Johnson, and Wes Watson. 2006. Rickettsial diseases in North Carolina: Is "*Rickettsia amblyommii*" a possible cause of rickettsiosis reported as Rocky Mountain spotted fever? Annual meeting of the American Society of Tropical Medicine and Hygiene, Atlanta, GA.
 37. Ellis, Angela A., C.A. Brown, and **M.J. Yabsley**. 2006. Colonic *Aelurostrongylus* in a domestic shorthair cat. Annual meeting of the Association of Veterinary Pathologists, Phoenix, AZ.
 38. †Adams DS, **MJ Yabsley**, TP O'Connor. 2006. Experimental infection of domestic dogs with *Ehrlichia ewingii*. Annual Veterinary Research Day. College of Veterinary Medicine, University of Georgia, Athens, GA.
 39. †Clay SA, **MJ Yabsley**, SE Gibbs, M Austel. 2006. Characterization of *Demodex* from white-tailed deer. Annual Veterinary Research Day. College of Veterinary Medicine, University of Georgia, Athens, GA.
 40. †Adams DS, **MJ Yabsley**, TP O'Connor. 2006. Experimental infection of domestic dogs with *Ehrlichia ewingii*. Annual Merck/Merial Veterinary Scholars Symposium, Baton Rouge, LA.
 41. †Clay SA, **MJ Yabsley**, SE Gibbs, M Austel. 2006. Characterization of *Demodex* from white-tailed deer. Annual Merck/Merial Veterinary Scholars Symposium, Baton Rouge, LA.
 42. Ruiz, Alina, Kevin Keel, Andy Davis, Michael Conroy, **Michael Yabsley**, Larry Morris, Aaron Fisk, and John Maerz. 2006. Measuring the success of wetland treatment systems: can we use frogs?. Clayton County Water Authority Natural Treatment Systems meeting, Clayton, GA.
 43. †Manangan, Jamie S., **Michael J. Yabsley**, Nathan Nibbelink, Michael C. Wimberly, and Sarah H. Schweitzer. 2006. A local and landscape level spatial analysis of two tick-borne pathogens in the Mississippi Alluvial Valley. Annual Meeting of The Wildlife Society. Anchorage, AK.
 44. †Manangan, Jamie S., **Michael J. Yabsley**, Nathan Nibbelink, and Michael C. Wimberly. 2006. A spatial analysis of two tick-borne pathogens in the Mississippi Alluvial Valley based on white-tailed deer serum samples. Annual Meeting of The Wildlife Disease Association, Storrs, CT.
 45. †Manangan, Jamie S., **Michael J. Yabsley**, and Michael C. Wimberly. 2006. Hitchhiking bacteria: Spatial analysis of two tick-borne pathogens in the Mississippi Alluvial Valley. Annual Warnell School of Forest Resources Graduate Student Symposium, Athens, GA.

46. †Savage, Mason Y. and **Michael J. Yabsley**. 2006. Sequence polymorphisms in the mismatch-repair (TcMSH2) and glutathione-S-transferase (Tc52) genes of *Trypanosoma cruzi* isolates from United States. Annual Meeting of the Southeastern Society of Parasitologists, Gatlinburg, TN.
47. †Savage, Mason Y. and **Michael J. Yabsley**. 2006. Sequence polymorphisms in the mismatch-repair (TcMSH2) and glutathione-S-transferase (Tc52) genes of *Trypanosoma cruzi* isolates from United States. Center for Undergraduate Research Opportunities Symposium, Athens, GA.
48. **Yabsley, Michael J.**, Thierry M. Work, and Robert A. Rameyer. 2006. Molecular phylogeny of *Babesia poeala* from brown boobies (*Sula leucogaster*) from Johnston Atoll, Central Pacific. Annual Meeting of the Southeastern Society of Parasitologists, Gatlinburg, TN.
49. †Murphy, Staci M., **Michael J. Yabsley**, M. Page Luttrell, David E. Stallknecht, and Susan E. Little. 2006. Experimental inoculation of raccoons (*Procyon lotor*) with *Ehrlichia chaffeensis*, *Ehrlichia canis*, *Ehrlichia ewingii*, *Anaplasma phagocytophilum*, and *Borrelia lonestari*. Annual Meeting of the Southeastern Society of Parasitologists, Gatlinburg, TN.
50. †Murphy, Staci M., **Michael J. Yabsley**, David S. Peterson and Mark W. Cunningham. 2005. Characterization of piroplasms from cougars (*Puma concolor*) from Florida. National Veterinary Scholars Program Symposium, Athens, GA.
51. **Yabsley, Michael J.** and Staci M. Murphy†. 2005. Diversity of *Babesia* and *Hepatozoon* in wildlife. Annual Meeting of the Southeastern Society of Parasitologists, Blacksburg, VA.
52. †Murphy, Staci M., **Michael J. Yabsley**, David S. Peterson and Mark W. Cunningham. 2005. Characterization of piroplasms from bobcats (*Lynx rufus*) and cougars (*Puma concolor*). Annual Meeting of the Southeastern Society of Parasitologists, Blacksburg, VA.
53. Hobbi, Tracy, Ashley Wimsatt, Brad Meers, Emily Pierce, **Michael Yabsley**, and Chris Hall. 2005. Biological and immunological characterization of a *Trypanosoma cruzi* isolate from Coastal Georgia. Annual Meeting of the Southeastern Society of Parasitologists, Blacksburg, VA.
54. Hall, Christopher A., Jordan Allem, Tracy Hobbi, **Michael J. Yabsley**, and Mario J. Grijalva. 2004. Factors associated with the epidemiology and biology of *Trypanosoma cruzi* in the southeastern United States. Annual meeting of the American Society of Tropical Medicine and Hygiene, Orlando, FL.
55. **Yabsley, Michael J.**, Michael C. Wimberly, Vivien G. Dugan, David E. Stallknecht, Susan E. Little, and William R. Davidson. 2004. Spatial analysis of the distribution of *Ehrlichia chaffeensis*, causative agent of human monocytotropic ehrlichiosis, across a multi-state region. In: P Bettinger, C Hyldahl, SD Danskin, J Zhu, Y Zhang, WG Hubbard, T Lowe, M Wimberly, and B. Jackson, Eds. 2005. Proceedings of the 4th Southern Forestry and Natural Resources GIS Conference, December 16-17, 2004, Athens, GA. Warnell School of Forest Resources, University of Georgia, Athens, GA.
56. **Yabsley, Michael J.**, Michael C. Wimberly, Vivien G. Dugan, David E. Stallknecht, Susan E. Little, and William R. Davidson. 2004. Spatial analysis of the distribution of *Ehrlichia chaffeensis*, causative agent of human monocytotropic ehrlichiosis, across a multi-state region. Joint meetings of the Wildlife Disease Association, American Association of Wildlife Veterinarians, and American Association of Zoo Veterinarians, San Diego, CA. **Best student research presentation award.**

57. Ellis, Angela E., **Michael J. Yabsley**, David E. Stallknecht, and Elizabeth W. Howerth. 2004. *Frenkelia*-like enteric coccidian in Cooper's hawks (*Accipiter cooperii*). Joint meetings of the Wildlife Disease Association, American Association of Wildlife Veterinarians, and American Association of Zoo Veterinarians, San Diego, CA.
58. Hall, Christopher A., Tracy Hobbi, **Michael J. Yabsley**, Jordan Allem, Mario J. Grijalva. 2004. Epidemiological factors associated with endemic transmission cycles of *Trypanosoma cruzi* in the southeastern United States. 9th European Multicolloquium of Parasitology, Valencia, Spain.
59. **Yabsley, Michael J.**, Michael C. Wimberly, Vivien G. Dugan, David E. Stallknecht, Susan E. Little, and William R. Davidson. 2004. A multi-state region spatial analysis of the distribution of *Ehrlichia chaffeensis*, an emerging tick-borne zoonosis. Annual Meeting of the Southeastern Society of Parasitologists, Pigeon Forge, TN. **Best student research presentation award.**
60. **Yabsley, Michael J.**, Michael C. Wimberly, Vivien G. Dugan, David E. Stallknecht, Susan E. Little, and William R. Davidson. 2004. Spatial analysis of the distribution of *Ehrlichia chaffeensis*, causative agent of human monocytotropic ehrlichiosis, across a multi-state region. Annual Molecular Parasitology and Vector Biology Symposium. Athens, GA.
61. **Yabsley, Michael J.**, Michael C. Wimberly, Vivien G. Dugan, David E. Stallknecht, Susan E. Little, and William R. Davidson. 2004. Spatial analysis of the distribution of *Ehrlichia chaffeensis*, causative agent of human monocytotropic ehrlichiosis, across a multi-state region. Annual Veterinary Research Day. College of Veterinary Medicine, University of Georgia, Athens, GA. **Best research presentation award.**
62. **Yabsley, Michael J.** 2004. Geographical distribution, molecular characterization, and landscape epidemiology of *Ehrlichia chaffeensis*. Departmental seminar for Dept. of Medical Microbiology and Parasitology, College of Veterinary Medicine, University of Georgia, Athens, GA.
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64. **Yabsley, Michael J.**, Vivien G. Dugan, David E. Stallknecht, Susan E. Little, and William R. Davidson. 2003. Distribution and Molecular Heterogeneity of *Ehrlichia chaffeensis* from White-tailed Deer (*Odocoileus virginianus*). Biennial meeting of the Society of Tropical Veterinary Medicine, Iguassu Falls, Brazil.
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66. **Yabsley, Michael J.** 2003. Prevalence and phylogeny of *Eimeria auritusi* from double-crested cormorants (*Phalacrocorax auritus*) near Fort Gaines, Georgia. Annual Meeting of the Southeastern Society of Parasitologists, Mobile, AL.
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- STARI (Southern Ticks-Associated Rash Illness), in white-tailed deer (*Odocoileus virginianus*) from the southeastern United States. Annual Meeting of American Association of Veterinary Parasitologists. Nashville, TN.
69. **Yabsley, Michael J.**, Andrea S. Varela, Vivien G. Dugan, Cynthia M. Tate, David E. Stallknecht, Susan E. Little, William R. Davidson. 2002. White-tailed deer as reservoirs for the tick-transmitted organisms, *Ehrlichia chaffeensis* and *Ehrlichia ewingii*. Annual Molecular Parasitology and Vector Biology Symposium, Athens, GA.
 70. Tate, Cynthia, Ulrike Munderloh, Page Lutrell, Daniel Mead, Elizabeth Howerth, Vivien Dugan, **Michael Yabsley**, and William Davidson. 2002. Experimental transmission and isolation of a novel *Ehrlichia* sp. from white-tailed deer. Annual Molecular Parasitology and Vector Biology Symposium. Athens, GA.
 71. Dugan, Vivien G., Joseph K. Gaydos, **Michael J. Yabsley**, Susan E. Little, Ashley D. Beall, and Colin C. Hurd. 2002. Detection of *Ehrlichia* spp. in raccoons (*Procyon lotor*) from Georgia. Annual Molecular Parasitology and Vector Biology Symposium. Athens, GA.
 72. Varela, Andrea S., David E. Stallknecht, **Michael J. Yabsley**, Victor A. Moore, and Susan E. Little. 2002. Primary and challenge infection by the tick-borne agent, *Ehrlichia chaffeensis*, in white-tailed deer (*Odocoileus virginianus*), and evaluation of domestic goats as a reservoir host model. Annual Molecular Parasitology and Vector Biology Symposium. Athens, GA.
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 75. Dugan, Vivien G., Joseph K. Gaydos, **Michael J. Yabsley**, Susan E. Little, Ashley D. Beall, and Colin C. Hurd. 2002. Serologic and molecular evidence of ehrlichial infection among raccoons (*Procyon lotor*) from Georgia. Joint Meetings of the Annual International Congress of Parasitology and the American Society of Parasitologists. Vancouver, British Columbia, Canada.
 76. Varela, Andrea S., David E. Stallknecht, **Michael J. Yabsley**, Victor A. Moore, and Susan E. Little. 2002. Response to heterologous strain challenge with the tick-transmitted agent, *Ehrlichia chaffeensis*, in the natural reservoir host, white-tailed deer (*Odocoileus virginianus*). Joint Meetings of the Annual International Congress of Parasitology and the American Society of Parasitologists. Vancouver, British Columbia, Canada.
 77. Varela, Andrea S., David E. Stallknecht, **Michael J. Yabsley**, Victor A. Moore, and Susan E. Little. 2002. Evaluation of the domestic goat (*capra hircus*) as a model for infection with the tick-borne agent, *Ehrlichia chaffeensis*. Joint Meetings of the Annual International Congress of Parasitology and the American Society of Parasitologists. Vancouver, British Columbia, Canada.
 78. **Yabsley, Michael J.**, Vivien G. Dugan, Cynthia M. Tate, David E. Stallknecht, Susan E. Little, Andrea S. Varela, William R. Davidson. 2002. Evaluation of a sentinel system for *Ehrlichia chaffeensis* and *Ehrlichia ewingii* using white-tailed deer as indicators. Annual meeting of the Wildlife Disease Association. Arcata, CA.

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81. **Yabsley, Michael J.**, Vivien G. Dugan, Cynthia M. Tate, David E. Stallknecht, Susan E. Little, Andrea S. Varela, William R. Davidson. 2002. *Ehrlichia chaffeensis* and *Ehrlichia ewingii* in white-tailed deer: evaluation of a sentinel system. Annual Veterinary Research Day. College of Veterinary Medicine, University of Georgia, Athens, GA.
82. Dugan, Vivien G., Joseph K. Gaydos, **Michael J. Yabsley**, Susan E. Little, Ashley D. Beall, and Colin C. Hurd. 2002. Detection of *Ehrlichia* spp. in raccoons (*Procyon lotor*) from Georgia. Annual Veterinary Research Day. College of Veterinary Medicine, University of Georgia, Athens, GA.
83. Varela, Andrea S., David E. Stallknecht, **Michael. J. Yabsley**, Victor A. Moore, and Susan E. Little. 2002. Primary and challenge infection by the tick-borne agent, *Ehrlichia chaffeensis*, in white-tailed deer (*Odocoileus virginianus*), and evaluation of domestic goats as a reservoir host model. Annual Veterinary Research Day. College of Veterinary Medicine, University of Georgia, Athens, GA.
84. **Yabsley, Michael J.**, Susan E. Little, David E. Stallknecht, Vivien G. Dugan, Cynthia M. Tate, and William R. Davidson. 2002. White-tailed deer as sentinels for the delineation of the geographic distribution of *Ehrlichia chaffeensis*. Joint annual meetings of the Association of Southeastern Biologists and the Southeastern Society of Parasitologists. Boone, NC.
85. Varela, Andrea S., David E. Stallknecht, **Michael. J. Yabsley**, and Susan E. Little. 2002. Infection dynamics of the tick-borne agent, *Ehrlichia chaffeensis*, in white-tailed deer (*Odocoileus virginianus*) and the domestic goat (*Capra hircus*). Joint annual meetings of the Association of Southeastern Biologists and the Southeastern Society of Parasitologists. Boone, NC.
86. **Yabsley, Michael J.** 2001. Epizootiology of *Ehrlichia chaffeensis* and white-tailed deer in the southeastern United States. Departmental seminar for Dept. of Medical Microbiology and Parasitology, College of Veterinary Medicine, University of Georgia, Athens, GA.
87. Everson, T.D., **M.J. Yabsley**, M.J. Portis, G.P. Noblet, C.L. Craig, M.W. Dryden, and A.B. Broce. 2001. Hemoparasites of urban raccoons (*Procyon lotor*) in Manhattan, Kansas. Annual meeting of the American Association of Veterinary Parasitologists. Boston, MA.
88. **Yabsley, Michael J.**, Dana L. Ambrose, Charlotte F. Quist, Roy L. Patch, and Pamela G. Parnell. 2001. Verminous pneumonia in a striped skunk (*Mephitis mephitis*). Annual Southeastern Veterinary Pathology Conference. Tifton, GA.
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pet striped skunks. Annual meeting of the Southeastern Society of Parasitologists. Rome, GA.

91. **Yabsley, Michael J.**, Mario J. Grijalva, and Gayle Pittman Noblet. 2000. Biological characterization and seroprevalence of *Trypanosoma cruzi* from raccoons in South Carolina. Annual meeting of the American Society of Tropical Medicine and Hygiene. Houston, TX.

PROFESSIONAL AFFILIATIONS

Southeastern Society of Parasitologists
Helminthological Society of Washington
American Society of Tropical Medicine and Hygiene
Society for Tropical Veterinary Medicine
American Society of Rickettsiology

American Society of Parasitologists
Sigma Xi
Wildlife Disease Association
The Wildlife Society