

**Annual Activity
&
Accomplishment Report
Southern Regional
Extension Forestry**

January 1, 2001 to December 31, 2002

And

Plan of Work

January 1, 2003 to December 31, 2003

**William G. Hubbard
Southern Regional Extension Forester**

Prepared January 2003

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Message from the Regional Extension Forester

The economic downturn of the last few years has come home to roost at many of our land-grant universities and schools. Decreasing budgets have led many Extension Services around the South to freeze positions, limit travel and cut back on operating expenses. This has come at a time when responsibilities and opportunities in the natural resource arena are at all time highs. The result is that our state Extension specialists and county agents are doing much more with much less.

Opportunities to collaborate and work across state lines are therefore becoming more than “nice” things to do. They are becoming a necessity. Working together on issues that don’t stop at state borders will be the only way Extension natural resource specialists can thrive and survive. There are simply too many challenges. Two recent USDA Forest Service publications highlight this. The Southern Forest Resource Assessment lists a number of issues that natural resource specialists, policy makers and others should take head of. These include water quality and BMP’s, biodiversity, population increases and their effects on the forest and changing land use, harvest and ecological conditions of our Southern forest. The second USDA Forest Service publication – Human Influences on Forest Ecosystems goes into more detail on the effects we as humans are having on our urban and rural forest resources. Increasing social pressures on our forests have resulted in ecological, legislative, environmental and other changes. As educators, we need to study these results and map out technology transfer plans that address key issues.

Although our numbers are not great, Extension



forest resource educators have the capacity and tools to meet these challenges. Technologies such as distance education through satellite broadcasts and the internet offer perhaps the greatest opportunity to work together. While neither of these programs can ever replace the importance and impact of working one-on-one, they offer the opportunity to work together to reach more. Examples include the recent Master Tree Farmer and Master Wildlifer programs that have been coordinated regionally. By working together, great economies of scale have been achieved. We have also utilized some of our best experts in the field to deliver the programs. The result has been a quality program that is available to virtually anyone in the world in real time! Through video tapes and streamed video, others that didn’t have a chance to see the programs live can view tape-delayed or internet versions. In the last three years we have collectively reached over 5,000 landowners, farmers, outdoor enthusiasts and others with powerful information on sustainable forest resource management. This is a collective 105,000 hours of contact with the people that have a direct influence on the Southern forest! This could only have been done by working together regionally.

In the future, regional programs like these will become even more important. They can reach more people and free up state specialists and agents to focus their time and energy on state and local issues. They also give our federal and regional partners good reason to provide needed fiscal resources. By working together we can accomplish everyone’s goals and objectives.

Best wishes for a productive 2003.

Sincerely,

William G. Hubbard

William G. Hubbard
Southern Regional Extension Forester
January, 2003

Mission and Scope of Programming

Goal:

To identify, prescribe and implement an optimum mix of education and technical services that will increase the efficiency of forestry programs in the South (as stated in the Cooperative Agreement between the USDA-FS and the Cooperative Extension System Southern Region - Appendix A).

Introduction:

This position was originally created in 1979 to serve a liaison role between the USDA Forest Service and the 13 Extension Forest Resources Units in the South. It also has evolved into a regional programming, representation, promotion and communication role within the forestry and natural resource communities regionally and nationally. In 1979, a cooperative agreement between the 13 1862 Southern Land-Grant institutions and the USDA Forest Service was signed. This document, updated in 2000 will be used as the basis to judge the degree of success the Regional Extension Forester has had in accomplishing the terms of the Agreement (Appendix A).

Scope of programming:

There are many issues and opportunities facing the forestry and natural resources communities in the new millennium. Timber markets, property rights, urban/wildland and forest fragmentation, wildlife protection and enhancement, capital gains and estate planning, forest health, timber supply and industry mergers and acquisitions, forestland certification, sustainable forestry, animal and municipal waste options on forestlands, conservation and youth education, forest-based economic development and alternative forestland enterprises, and water quality are but a few of the issues facing those with an educational responsibility in this community. It is the goal of the Regional Extension Forester (REF) to assist professionals that work on these issues with information and tools that facilitate more efficient use of their time and resources. This assistance comes in many forms including accomplishment of the following goals and objectives (as outlined in the MOU):

- Improved communication and cooperation between Extension and other organizations interested in the management of the Region's forests;
- Assessment of technology transfer, information dissemination and educational programming needs of the forest resource professional and private landowner;
- Facilitation of the development of educational materials directed at regional audiences;
- Encouragement, where possible of multi-state and regional cooperation, collaboration and coordination of programs and activities;
- Initiation, planning and participation in educational and technology transfer activities in response to needs assessments;
- Special projects relevant to the goals and objectives of the SREF; and
- Acquisition of resources for regional programming.

Institutions served:

Auburn University – Alabama Cooperative Extension System

University of Arkansas – Arkansas Cooperative Extension Service

University of Florida – Florida Cooperative Extension Service

University of Georgia – Georgia Cooperative Extension Service

University of Kentucky – Kentucky Cooperative Extension Service

Louisiana State University – Louisiana Cooperative Extension Service

Mississippi State University – Mississippi Cooperative Extension Service

North Carolina – North Carolina Cooperative Extension Service

Oklahoma State University – Oklahoma Cooperative Extension Service

Clemson University – Clemson Cooperative Extension Service

University of Tennessee – Tennessee Agricultural Extension Service

Texas A & M University – Texas Cooperative Extension

Virginia Tech – Virginia Cooperative Extension Service

USDA Forest Service – Southern Region State and Private Forestry

Summary of Office Support Team

The Southern Regional Extension Forestry Office would not function without the dedicated support of the following individuals:

Name: Ms. Sarah Martin

Title: Administrative Assistant – SREF Office

Job duties: Office management, grant administration, budgets, payroll, travel paperwork, equipment and supplies purchase, various administrative duties.

Name: Mr. Bryan Jordin

Title: Computer Specialist IV

Job duties: Project management for Internet and software-based solutions including contractual work with the USDA Forest Service and USDA CSREES. Current projects include ZOPE programming, Encyclopedia of Appalachian Hardwood Management, Fire Programs of the US, Encyclopedia of Fire Ecology and Management, and Reforestation, Nurseries and Genetics Internet activities.

Name: Ms. Allyson Lawrence

Title: Educational Program Specialist

Job duties: Project management for educational programs including contractual work with the USDA Forest Service and USDA CSREES. Current projects include a Spanish language tree planting video, urban forestry internet website design and preliminary content development and forestry curriculum development for county Extension agents and others.

Name: Mr. Willie Milnor

Title: Computer Specialist

Job duties: Assists with Internet and software-based solutions. Current projects include ZOPE programming, Encyclopedia of Appalachian Hardwood Management, Fire Programs of the US, and Encyclopedia of Fire Ecology and Management.

Name: Mr. Bryan Veal

Title: Student Assistant/Computer Specialist

Job duties: Assist with Internet and software-based solutions. Manage Southern Regional Extension Forestry server and solve software and hardware problems onsite. Current projects including updating and enhancing the Southern Regional Extension Forester homepage, the Association of Natural Resources Extension Professionals homepage, the NREM homepage, and others.

Name: Ms. Catherine McEvoy

Title: Student Assistant

Job duties: Assist with scanning documents, entering data and miscellaneous office duties.

Thanks also to Ms. Amy Scott who provided administrative support until June of 2002. Amy is now in graduate school in Indiana.

Executive Summary of Activities and Accomplishments

Regional Programming

1. Co-Coordination of the Regional Master Tree Farmer level 2 (coordinated with Dr. George Kessler, Clemson University) – A distance education program involving the coordination of state Extension Foresters, Forest Service, state forestry agencies, forest industry, NGO's and others in 14 states. Results included:
 - a. 21 hours of instruction by over 20 national and regional experts in various fields of study.
 - b. 90 sites receiving satellite transmission live, numerous others purchasing tape sets.
 - c. 1500 forest landowners received live transmission, countless others viewing videotapes throughout the year.
 - d. 100 natural resource professionals and Extension agents participating as site hosts.
 - e. Estimated dollar value of program as evaluated by participants in the millions of dollars (data still being analyzed).
 - f. The decision to host the Master Wildlifer program in the spring of 2003.
 - g. Acquisition of \$65,000 in funds for the course (satellite costs, speaker travel, website development, undergraduate assistance, etc.).
 - h. Numerous spin-off impacts including field days, local associations, volunteer efforts, behavior change by participants, etc.
2. Co-Coordination of regional Urban & Community Forestry Professional Development Program – A professional development course involving Extension, USDA Forest Service, state forestry agencies and state urban forestry councils (coordinated with Ingrid Sather, Forest Service and Dr. Don Ham, Clemson University)
 - a. 4-day workshop with 50 participants from Extension, state forestry, USDA Forest Service and NGO's in participation.
 - b. Assisted with funding the effort due to severe USDA Forest Service budget constraints.
 - c. Managed grant through UGA (approximately \$20,000)
 - d. New technologies were taught (GIS/GPS, visualization software, time-management tools and techniques, etc.)
3. Co-Coordination of the regional Waste Applications in Forest Stands Conference – A professional development program involving Extension, and others (coordinated with Mr. Rick Hamilton, NCSU).
 - a. 2-day workshop with 75 participants.
 - b. Materials placed on website at www.soforext.net/by-products.
 - c. Assisted NCSU with acquisition of funds for program (USDA CSREES - \$15,000)

Internet Development and Electronic Extension:

1. Oversight of numerous regional and national websites that are designed to increase the efficiency of forestry programs in the South. Continued oversight for 2 regional internet

development positions to manage regional websites including:

- a. Regional Extension Forestry Homepage – with links to all 13 Extension, state forestry, NAPFSC and association forestry pages and the USDA Forest Service. Publications were scanned and placed on this website. Enhancements included updated searchable directories. (www.soforext.net)
- b. The Forestry Index Homepage – This website is the only topic-arranged regional forestry website in the South. Hundreds of links were added and main topics were updated to reflect suggestions by professionals (www.forestryindex.net). The Southern Group of State Foresters and the USDA Forest Service as well as other natural resource service providers support and promote use of this site to their clientele.
- c. Encyclopedia of Southern Appalachian Hardwood Ecosystems – This website is a collaborative project between the Southern Regional Extension Forester and the USDA Forest Service – Southern Research Station. Specifically the website is an online hypertext-based encyclopedia of relevant research summaries relating to Appalachian Hardwood Management. (www.forestencyclopedia.net).
- d. Natural Resource and Environmental Management Programs of the Cooperative Extension System Homepage – This website (www.nrem.net) is the National Support Teams website and includes information on state and national support contacts, flagship programs, Programs of Excellence and other relevant information. The website features hundreds of programs, many southern-based for information sharing purposes. It is funded through a grant from USDA-CSREES.
- e. Wildfire Programs Website – This website was another collaborative effort between the Southern Regional Extension Forester and the USDA Forest Service Southern Region. The site features successful wildfire mitigation programs from across the country. (www.wildfireprograms.usda.gov or www.wildfireprograms.net)
- f. Reforestation, Nurseries and Genetics Resources (RNGR) Homepages including websites for an on-line journal entitled Tree Planters Notes (www.treeplantersnotes.org), a nursery manager website for technology transfer and regional nursery association websites. (www.rngr.fs.fed.us)
- g. Southern Forestry GIS (www.soforgis.net) and Southern Forest Science Conference (www.southernforestscience.net) conference websites to house pertinent information on two major regional conferences including abstracts, venue information, etc.
- h. Association of Natural Resource Extension Professionals Homepage. This website houses pertinent information for the fledgling organization and includes online membership databases, newsletters, links to other Extension organizations, conference information, etc. (www.anrep.org).

Conference organization, communication activities, promotional events:

Provided program leadership that resulted in enhanced communication and collaboration among Extension specialists, unit leaders, administrators, internal and external partners and others. Provided program leadership that resulted in increased recognition of exemplary programs of state Extension specialists.

1. Organized the Extension Forestry Unit Leaders Meeting, Athens, Georgia. The program resulted in information sharing, cross-agency interaction and collaboration, and Extension programming and planning that resulted in various regional activities.
2. Organized the Extension Foresters meeting preceding the Forest Landowners Association's Southern Forestry Conference.
3. Assisted with program development for the National Extension Foresters meeting prior to the National Society of American Foresters meeting in Winston-Salem, NC.
4. Program Chair – Florida-Georgia SAF Spring Symposium – The Slash Pine Symposium.
5. Southern NAPFSC – Charleston, SC.
6. Southern ANR Program Leaders Meeting, Southern CRD Program Leaders Meeting – Salt Lake City, UT and Nashville, TN.
7. USDA Forest Service Cooperative Forestry Planning Session, Atlanta, GA.
8. Updated and enhanced various electronic and hard copy mailing lists and listservs for efficient communication in the Extension and technology transfer communities.
9. Led regional Awards for Excellence Program resulting in recognition to over 25 Extension natural resource specialists. Specialists use this recognition and awards program for dossier and tenure and promotion functions. Highlighted programs are shared with the Forest Service and others.
10. Wrote numerous letters in support of promotion of faculty at land-grant institutions.
11. Invited to participate and provide Regional Extension Forestry Updates at numerous meetings including Southern ANR, Southern NAPFSC, SPF, Unit Leaders, etc.
12. Southern Group of State Foresters annual meeting (urban forestry coordinators, I&E chiefs meeting and management chiefs meeting) – Montgomery, AL.

Professional Activities and Duties:

1. Association of Natural Resource Extension Professionals (ANREP) 2002 duties included:
 - a. Planning for the 3rd National Extension Natural Resources Conference. Review of 200 abstracts for program participation.
 - b. Election of 2003 officers.
 - c. ANREP liaison to the national Personnel and Organizational Development Committee (PODC).
 - d. Developed ANREP Powerpoints for regional JCEP programs)
2. Society of American Foresters (SAF)
 - a. General Chair of SAF Spring Symposium – Florida/Georgia Sections
3. Invited participant on numerous national, regional and state planning committees and task forces. The SREF plays an integral role in assisting these committees and task forces achieve

their objectives – more information on these roles is available upon request:

- a. ECOP - Natural Resource & Environmental Management Base Program Support Team (NREM)(Sunset in 2002)
- b. Extension Committee on Organization and Policy (ECOP), Personnel and Organizational Development Committee (PODC)(Sunset in 2002)
- c. National Operating Committee - American Tree Farm Program
- d. National Urban and Community Forestry Technology Transfer Team
- e. Master Tree Farmer Regional Steering Committee.
- f. Southern Region Urban-Wildland Interface Council
- g. Southern Forestry GIS Committee - Chair
- h. National Conference Planning Committee - ANREP
- i. National Web-Based Learning Center Advisory Board
- j. National Extension Foresters Meeting Planning Committee (SAF meeting)
- k. SARE Producer Grant Advisory Board

Invited presentations:

1. **Southern Forest Resource Assessment: What does it mean for forestlandowners**, Ark-La-Tex Forestry Forum, Louisiana, March 2001. Attendance: 200 natural resource professionals and landowners.
2. **Regional Extension Forestry Update** – Various venues (see University of Georgia Activity Report Appendix A for more details)
3. **A Review of the History and Relevance of the NREM Program**. June 1, 2002. Naples, Florida. National Natural Resources Extension Professionals Conference.
4. **Distance Education Opportunities for Forest Landowners**. June 2-5, 2002. Naples, Florida. National Natural Resources Extension Professionals Conference.
5. **Natural Resource & Environmental Management Programs of the Cooperative Extension Service**. June 2-5, 2002. Naples, Florida. National NREM State Contacts Meeting.
6. **Agroforestry Opportunities with Southern Forestry Extension**. June 19-20, 2002. Huntsville, Alabama. Southern Agroforestry Workshop for 1890's Universities.
7. **Opportunities for Minority Involvement in Natural Resources Extension**. September 19-20, 2002. Tallahassee, Florida. Celebrating the Success of Minorities in Natural Resources.

Publications, papers and reports:

1. **Managing Private Forestlands at the Interface**. William G. Hubbard and David C. Hoge authors (chapter in review for upcoming book by Vince and Duryea).
2. Co-Editor **Slash Pine Symposium - Proceedings**. USDA Forest Service GTR (in review).
3. **News from the South** - National Woodlands Magazine (Winter 2002 issue)
4. **News from the South** - National Woodlands Magazine (Spring 2002 issue)
5. **News from the South** - National Woodlands Magazine (Summer 2002 issue)
6. **News from the South** - National Woodlands Magazine (Fall 2002 issue)

Plan of Work: 2003

Regional Programming (MOU Objective c, d)

- Continue to assist with the coordination of the Master Tree Farmer Programs, Master Wildlifer and other satellite programming opportunities (water quality/bmp's, others).

Professional Development (MOU Objective b, d)

- Assist a regionally assigned committee with development of a forestry curriculum for county agents. Develop distance education products.
- Conference co-chair – Southern Forest Resources GIS Conference (scheduled for spring 2004)
- Planning Committee – 2004 ANREP Conference in West Virginia (Virginia Tech primary host).
- Assist with program planning for 2003 triennial extension forestry meeting in Ashville, NC. (Spring 2003)

Administrative (MOU Objective h)

- Provide oversight to office staff including 2 web developers, 1 program assistant, 1 administrative assistant and undergraduate students.
- Manage numerous grants, respond to RFP's and other granting opportunities.
- Assist CSREES in implementation of RREA Strategic Planning Initiative (coordinate workshops and assist with writing associated documents).
- Query system for input into regional Extension Forestry activities.
- Write 2003 Annual Report.

Communications (MOU Objective a,b,e)

- Provide liaison support between Extension and Forest Service/So. Group of State Foresters.
- Provide Extension Directors, ANR Program Leaders and forestry school deans/directors and others with updates on regional Extension forestry programs and projects.
- Communicate grant and other opportunities to state specialists.
- Keep listservs, mailing lists, etc up-to-date.

Promotion/Recognition (MOU Objective a, g)

- Awards Chairman – Southern Extension Forest Resources Awards.

Research and Related Technology Transfer (MOU Objective b,c,d,f)

- Work with USDA Forest Service research on the NED Fire project (case studies for testing new landowner decisionmaking software).
- Work with USDA Forest Service research to test usefulness of online hypertext encyclopedia (Appalachian Hardwoods).
- Keep websites current (www.soforext.net, www.forestryindex.net, etc). Stream Master Wildlifer Program for internet use.

Publications/Authorships (MOU Objective c,d,f)

- Write scheduled articles for Forest Landowners Association magazine
- Write a fact sheet on the economic importance of forestry in the South.
- Write final version of book chapter on forest management in Wildland-Urban Interface.

Appendix A: University of Georgia Activity and Planning Summary Report January through December 2002

The University of Georgia College of Agricultural and Environmental Sciences Faculty Activity and Planning Summary Report (Report Due February 1)

1. VITA

NAME: William G. Hubbard DATE: January 27, 2003
DEPT: Extension Administration
PRESENT RANK: Public Service Associate
Southern Regional Extension Forester (13 Southern 1862 institutions and the USDA Forest Service participating)
Date of Appt.: August, 1993

Post Tenure Review: Yes _____ No X
Results: Sat. _____ Unsat. _____

Appointment:

% Salary Budgeted: Instr. ___ Res. ___ Ext. 100 Outreach ___
Your Estimate: Instr. ___ Res. ___ Ext. 80 Outreach ___
Admin. 20

2. PROFESSIONAL AND PROFESSIONAL SOCIETY ACTIVITIES

a. Professional meetings attended, papers given at meetings, and lectures given to professional groups or institutions (give complete citations).

- January 15-17, 2002. Charleston, South Carolina. ECOP Personnel and Organizational Development (PODC) meeting.
- February 1-2, 2002. Gainesville, Florida. Southern Urban-Wildland Interface Council meeting.
- February 12-13, 2002. Athens, Georgia. Southern Extension Forestry Unit Leaders meeting (hosted). “**Regional Extension Forestry Update.**”
- March 6, 2002. Charleston, South Carolina. Southern Forestry Conference. “**Regional Extension Forestry Update.**”
- March 7, 2002. Charleston, South Carolina. Southern Forestry

Conference - Southern NAPFSC meeting. “**Regional Extension Forestry Update.**”

- March 14, 2002. Shreveport, Louisiana. ARK-LA-TEX Forestry Forum. “**Southern Forest Resource Assessment: What does it mean for Forest Landowners?**”
- April 9-12, 2002. National ANR Program Leaders meeting. Salt Lake City, UT. “**Regional Extension Forestry Update.**”
- April 17-19, 2002. Washington, DC. National Urban and Community Forestry Technology Transfer Meeting.
- April 29-May 2, 2002. Dallas-Ft. Worth. ECOP-PODC meeting.
- May 22-23, 2002. Little Rock, Arkansas. Arkansas Forestry Forum.
- May 24-25, 2002. Kilgore, Texas. East Texas Forestry Field Day (facilitator).
- May 29-30, 2002. Raleigh, NC. Waste Applications in Forest Stands. (Workshop co-chair and facilitator).
- June 1, 2002. Naples, Florida. National Natural Resources Extension Professionals Conference “**A Review of the History and Relevance of the NREM Program**”
- June 2-5, 2002. Naples, Florida. National Natural Resources Extension Professionals Conference. “**Distance Education Opportunities for Forest Landowners**”.
- June 2-5, 2002. Naples, Florida. National NREM State Contacts Meeting. “**Natural Resource & Environmental Management Programs of the Cooperative Extension Service**”.
- June 10-12, 2002. Montgomery, Alabama. Southern Group of State Foresters. “**Southern Regional Extension Forestry Update**”.
- June 19-20, 2002. Huntsville, Alabama. Southern Agroforestry Workshop for 1890's Universities. “**Agroforestry Opportunities with Southern Forestry Extension**”.
- July 1-2, 2002. San Antonio, Texas. Association of Consulting Foresters annual meeting.
- August 21-22, 2002. Atlanta, Georgia. USDA Forest Service Cooperative Forestry Unit Strategic Planning Session. “**Southern Regional Extension Forestry Update**”.
- August 25-28, 2002. Nashville, Tennessee. Southern Program Leadership Committee. “**Southern Regional Extension Forestry Update**”.
- September 19-20, 2002. Tallahassee, Florida. Celebrating the Success of Minorities in Natural Resources. “**Opportunities for Minority Involvement in Natural Resources Extension**”.
- October 4-7, 2002. Winston-Salem, North Carolina. Society of American Foresters National Convention.
- October 8-10, 2002. Knoxville, Tennessee. National Web-Based Learning Center Advisory Board meeting.
- November 26-27, 2002. Durham, North Carolina. Southern SARE

Producer Grant Advisory Board Committee meeting.

- a. Current membership in professional and honorary societies/journals.
 - i. Society of American Foresters
 - ii. Association of Natural Resource Extension Professionals (ANREP)

- a. Current international, national, regional, and local offices, committee membership, and other special assignments in professional societies.
 - a. **ECOP - Natural Resource & Environmental Management Base Program Support Team (NREM)(Sunset in 2002)**
 - b. **Extension Committee on Organization and Policy (ECOP), Personnel and Organizational Development Committee (PODC)(Sunset in 2002)**
 - c. **National Operating Committee - American Tree Farm Program**
 - d. **National Urban and Community Forestry Technology Transfer Team**
 - e. **Master Tree Farmer Regional Steering Committee.**
 - f. **Southern Region Urban-Wildland Interface Council**
 - g. **Southern Forestry GIS Committee - Chair**
 - h. **National Conference Planning Committee - ANREP**
 - i. **National Web-Based Learning Center Advisory Board**
 - j. **National Extension Foresters Meeting Planning Committee (SAF meeting)**
 - k. **SARE Producer Grant Advisory Board**

- a. Honors, awards, special recognition, invited presentations, study leave or specialized training at other institutions.
 - i. **President's Award** - Association of Natural Resource Extension Professionals
 - ii. **Award for Excellence** - Multi-state or Regional Project - "Master Tree Farmer 2001 Satellite Videoconference"
 - iii. **Award for Excellence** - Multi-state or Regional Project - New Dimensions for the New Millennium - Urban and Community Forestry Update for the South Satellite Videoconference"

- a. External reviewer of grants, manuscripts, panels, and programs (Identify agency and number reviewed).

- i. Manuscript Reviewer - Southern Journal of Applied Forestry (1 manuscript reviewed).
- ii. National Web-Based Learning Grants - University of Tennessee and CSREES (44 grants reviewed).
- iii. Criterion Indicator Review - USDA Forest Service - Southern Research Station (1 Indicator Reviewed).
- iv. ANREP National Conference Review Committee (150 abstracts reviewed).

3. CONTRIBUTIONS IN TEACHING

- a. Undergraduate courses taught and student enrollment (List and attach student and/or peer evaluations).
- b. Graduate courses taught and student enrollment (List and attach student or peer evaluations).
- c. New courses or major revisions of existing courses (explain):
 - i. New course materials developed
 - ii. Honors or awards received by your graduate student(s)
 - iii. Instructional grants
- d. Distance education or lifelong learning activities (short-courses, etc.).
- e. List M.S. and PhD. students that you are advising and give expected date of graduation (place asterisks by those of which you serve as major professor).
- f. Other instructional activities, professional improvement/development activities related to instruction, student academic advising, and club activities.
 - i. **Urban Forestry Course at the University of Florida - guest lecturer on urban forestry inventory and evaluation (2 lectures and one laboratory).**

4. CONTRIBUTIONS IN EXTENSION OR OUTREACH

- a. Mass media and visual aids (programs presented or materials developed).
 - i. **“Regional Extension Forestry Update”** - Powerpoint Presentation
 - ii. **“Southern Forest Resource Assessment: What does it mean for Forest Landowners?”** Powerpoint Presentation
 - iii. **“A Review of the History and Relevance of the NREM Program”**

- Powerpoint Presentation
 - iv. **“Distance Education Opportunities for Forest Landowners”**
Powerpoint Presentation
 - v. **“Natural Resource & Environmental Management Programs of the Cooperative Extension Service”** Powerpoint Presentation
 - vi. **“Agroforestry Opportunities with Southern Forestry Extension”**
Powerpoint Presentation
 - vii. **“Opportunities for Minority Involvement in Natural Resources Extension”**
 - viii. **“ANREP Update for 2002 Regional JCEP meetings”** Powerpoint Presentation
 - b. Continued educational programs at Continuing Education/Rural Development Centers and other colleges and or universities in which you participated.
 - c. In-service training that you conducted for agents or other professionals.
 - i. April 24-26, 2002. **The Slash Pine Symposium: Still Growing and Growing and Growing** (conference chair). Jekyll Island, GA. 250 forestry and natural resource professionals from Alabama, Florida, Georgia and South Carolina attending.
 - ii. August 5-7, 2002. **Urban Forestry Technology Transfer Training for state forestry agencies, Extension and NGO’s** (planning committee member). Clemson, South Carolina.
 - iii. May 29-30, 2002. **From Brown to Green: Applications of By-Products to Forest Stands**. Raleigh, NC. (Co-Chair)
 - d. ~~Statewide~~ REGIONAL meetings initiated and/or conducted (e.g. workshops or short courses).
 - i. February-March 2002. **Master Tree Farmer II - Satellite Video** conference for forest landowners 21 hour course. (Regional Co-Coordinator)
 - e. Local or county educational meetings initiated and/or conducted (e.g. workshops or short courses).
 - f. Industry groups or organizational meetings attended as advisor, liaison, or public relations (e.g. commodity group/trade association).
 - i. May 8-9, 2002. **Master Tree Farmer/Master Wildlifer Planning Committee Meeting**. Chaired and facilitated the event. Atlanta, GA.
 - g. Other pertinent extension or outreach activities.
 - i. Awards Chairman - Southern Extension Forest Resources Specialists

5. PUBLICATIONS AND OTHER CREATIVITY RELATED TO RESEARCH, TEACHING, EXTENSION OR OUTREACH ACTIVITIES (published in the previous year, not submitted or

in press (except for item “b”). Some materials may be dated earlier if lag between publication and availability. Please provide complete citation).

- a. Refereed journal articles and Extension Bulletins published.
- b. Refereed journal articles and Extension Bulletins in review or in press (list only those for which you have documentation of acceptance).
- c. Books, book chapters, and proceeding chapters.
 - i. **Managing Private Forestlands at the Interface**. William G. Hubbard and David C. Hoge authors (chapter in review for upcoming book by Vince and Duryea).
 - ii. Co-Editor **Slash Pine Symposium - Proceedings**. USDA Forest Service GTR (in review).
 - iii. Published abstracts and other non-refereed retrievable materials (i.e. can be obtained from a typical library).
- d. Other non-refereed materials (fact sheets, monograms, articles in popular press, slide sets, circulars, etc.).
 - i. **News from the South** - National Woodlands Magazine (Winter 2002 issue)
 - ii. **News from the South** - National Woodlands Magazine (Spring 2002 issue)
 - iii. **News from the South** - National Woodlands Magazine (Summer 2002 issue)
 - iv. **News from the South** - National Woodlands Magazine (Fall 2002 issue)
- e. Computer programs, web-based communications, etc.
 - i. www.forestencyclopedia.net - This website is funded through a grant from the USDA Forest Service Southern Research Station. The project involves organizing thousands of html documents relating to Southern Appalachian Hardwood Ecosystems and their management. A related project will organize similar information for forest fire ecology and management. Significance of this program includes interest from Forest Service and others to utilize this technology for southwide or even national research technology transfer.
 - ii. <http://www.rngr.net/www.soforext.net> - This website contains a plethora of information for state Extension foresters, state forestry and agriculture administrators (SNAPSC, ANR leaders, ASRED, etc), state and federal forestry agencies and others. Information includes updated links to each state’s forestry extension, forestry school, forestry agency and forestry association homepages. Information also includes updated directories of

Extension natural resources specialists, state ANR and other administrators, and the forestry/natural resource community in general. Links to current SREF projects, programs and related websites are also listed as well as new regional publications and events. Powerpoint presentations from recent regional conferences are posted as well. Distance education opportunities such as the urban forestry satellite program, the Master Tree Farmer I and II programs and the forest certification program have been streamed and auxiliary materials incorporated.

- iii. www.forestryindex.net - This website includes links to resources and websites of use and interest to the forestry professional. It is an online library of resources. Over 2,000 entries have been posted and are organized by major and minor topic area.
- iv. www.rngr.fs.fed.us - This website is funded by the USDA Forest Service and serves to keep reforestation, nursery and genetics professionals up-to-date on current developments in these fields. Materials include databases, publications and proceedings, online videos and other resources of relevance.
- v. www.nrem.net - This website supports the national Natural Resources and Environmental Management Base Program homepage including information on upcoming events, links to state-level NREM sites, databases of state contacts and flagship programs and information on award-winning Extension natural resource programs.
- vi. www.anrep.org - This website is home to the Association of Natural Resource Extension Professionals (ANREP). Membership databases, newsletters, links to current events and other information is provided as a service to this fledgling organization that is designed to encourage multi-state, multi-disciplinary programming and planning.

6. GRANTS AND CONTRACTS

- a. Grants, gifts, contracts (PI's date awarded, title agency, duration, amount of award, amount of award to you if multiple PI's).
 - i. Southern Regional Extension Forestry Activities – USDA FS S&PF \$40,000 (Principal Investigator)
 - ii. Online Encyclopedic Hypertext on Fire Information & Research– USDA FS Southern Research Station - \$93,000 (Principal Investigator 3 year project)
 - iii. Reforestation, Nursery and Genetics Resources Online Resource Activities – USDA FS S&PF - \$65,000. (Principal Investigator)

- iv. Spanish Language Tree Planting Video - USDA Forest Service - \$45,000
(Principal Investigator)
 - v. RREA Strategic Planning and Evaluation - USDA CSREES - \$38,000
(Principal Investigator)
 - vi. NREM Base Program Internet Development – USDA CSREES - \$18,000
(Principal Investigator)
 - vii. NED Software Fire Mitigation Planning – USDA FS SRS - \$37,000
(Principal Investigator)
- b. Proposals submitted in last year that were either not funded or remain under review (indicate current status).
- i. Urban & Community Forestry Internet Development – USDA FS S&PF \$40,000 (Principal Investigator, pending)
 - ii. Southern Regional Extension Forestry Activities – USDA FS S&PF \$40,000 (Principal Investigator, pending)
- c. Intellectual property (patents, variety releases, or specialized test development, and others during the past calendar year).

7. CONTRIBUTIONS TO GOVERNANCE (Departmental, College, University or Service).

Describe the nature of the activity and duration of appointment.

- a. CAES Forestry Liaison to Georgia Forestry Association 2000-present.
- b. CAES Forestry Liaison to Forest Landowners Association 2000-present.

8. SIGNIFICANCE OF ACTIVITIES

- a. Briefly describe your three most significant activities or achievements in the last calendar year.

1. Regional leadership for the Master Tree Farmer II program - Various Locations. February-March 2002. This program involved over 20 speakers, 15 state contacts, 90 local site coordinators and 1500 participants. The program, a brainchild of Clemson Extension Forester Dr. George Kessler was successful in South Carolina. This was a collaborative effort with Dr. Kessler and involved working closely with funding and other partner agencies, a regional steering committee and state coordinators in Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee and Texas. The 21 hour course resulted in 31,500 contact hours and an estimate by the users in the millions of dollars saved or earned as a result. The program is the 2nd in a series of three that are coordinated between Dr. Kessler and myself – the other two being Master Tree Farmer I (2000 and 2001) and Master Wildlifer (2003). The programs are available via videotape (through Clemson University) and via online streamed video (through the Southern Regional Extension Forester’s website at www.soforext.net).

2. Regional Leadership for Urban and Community Training for State Forestry, State Extension and State NGO’s - Clemson University - August 2002. A regional team consisting of the USDA Forest Service, Southern Group of State Foresters, the Southern Regional Extension Forester and Clemson University Extension Foresters Dr. Donald Ham and Rebecca Anthony developed a 9-hour satellite broadcast for the fall of 2001. This was followed up by a four-day technology transfer workshop in Clemson. New technologies in urban forestry and arboriculture were discussed at the workshop in a series of indoor and outdoor lectures and laboratories. Over 50 participants attended the workshop including numerous Extension forestry specialists. Each state was encouraged to return home and plan a similar conference for their state. Evaluations rated the workshop high.

3. Conference Chair - SAF Spring Symposium on Slash Pine - Jekyll Island, GA April 2002. This was a multistate event involving a team from Florida and Georgia. The event had traditionally been held only in Florida however the decision was made to combine efforts and hold a conference of interest to professionals in Florida, Georgia, Alabama and South Carolina. Over 250 professional foresters and landowners attended the three day event. Over 20 speakers provided updates on managing the Slash Pine forest resource. A USDA Forest Service grant for \$10,000 was secured to assist with the conference planning. A General Technical Report is being developed as a result (co-editor).

Evaluations were complimentary and Florida/Georgia relationships were enhanced. Future programs will be planned due to the success of this program.

- b. Attach a copy of an impact/success statement for an aspect of your program.
(See Attached)

9. CONSULTING (list organization and location only).

10. OTHER ACHIEVEMENTS OR ACTIVITIES YOU WISH TO BE CONSIDERED

In addition to regional programming and liaison activities, I manage a staff that ranges from 4 to 6 employees depending on various ongoing grants and projects. This administrative responsibility has come as the result of numerous opportunities to work with USDA CSREES, USDA Forest Service, 1890 and 1862 institutions and others. These regional employees primarily assist with internet design and development, and regional projects and programs. Regional programming is undertaken if and when it enhances and supports the work done by state Extension forestry specialists and USDA Forest Service personnel. Oftentimes it is more efficient and effective to contract with the Southern Regional Extension Forestry office than it is to provide resources to an individual state to conduct regional programming. This is due to various factors including knowledge of regional programming needs and issues, economies of scale, relationships with various funding agencies and successful completion of prior projects. It should be noted that advocacy of state involvement and subsequent allocation of available external resources to the states whenever and wherever possible is preferred. This has been done in a number of cases including the Master Tree Farmer program (\$20,000 from the USDA Forest Service to Clemson), the Waste Applications program (\$15,000 from USDA - CSREES to North Carolina State University), the Urban Forestry Technology Training (\$50,000 to Clemson University) and others.

Appendix B: Cooperative Agreement – Regional Extension Forester – As Amended November 1, 2001

PART III: Program Narrative

This Cooperative Agreement is being implemented to fulfill the requirements of the USDA Interagency Agreement on Forestry executed on January 30, 1978. The Agreement called for the Extension Service, state forestry agencies and Forest Service to identify, prescribe and implement an optimum mix of education and technical services which will increase the efficiency of forestry programs in the South.

In order to carry out the above task, the Extension Service and the Forest Service agree to the following:

A) The Extension Service – University of Georgia Shall:

- 1) Be responsible for maintaining the Agreement with the Cooperative Extension Services currently in force in the following listed States: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia covering their individual participation in and contributions toward the purpose of this Agreement.
- 2) Be responsible for collecting the financial contributions from the Cooperative Extension Services listed in Section A-1 and use the funds collected for the purposes of this Agreement.
- 3) Retain in the employ of the University of Georgia a Regional Extension Forester to perform the duties outlined, under the immediate supervision of the Extension Service Director at the University of Georgia.
- 4) Provide office space and necessary support for the Regional Extension Forester to perform the duties not performed at the office named in Section B-2 below.
- 5) Bill the Forest Service at least quarterly for its share of the costs toward accomplishing the purposes of this Agreement.

B) The Forest Service Shall:

- 1) Designate employees of Southern Region who shall work with the Regional Extension Forester on activities and programs of mutual interest.
- 2) Provide office space, supplies and services without charge for the Regional Extension Forester at the Atlanta, Georgia offices of Southern Region for the conduct of duties not performed at the office named in Section A-4 above.
- 3) Upon receipt of itemized invoices, reimburse the Extension Service an amount not to exceed \$35,000 in FY 1999 in payment of non-salary costs in support of the Regional Extension Forester such as travel, supplies, student assistance and the costs of preparing and printing publications. The remainder of the \$40,000 of federal funds, \$5,000, is being held for airline ticket charges using SATO. If the entire \$5,000 is not used for airline tickets, then any balance will be available under the reimbursement method. Such reimbursement will be subject to available funds

C) It is Mutually Agreed That:

- 1) The Regional Extension Forester will be responsible to the parties to this Agreement through the Cooperative Extension Service Director, University of Georgia or his/her designee.
- 2) A Steering Committee shall be designated to review proposed Annual budgets and plans of work, both of which will be attached to and become part of this Agreement. In addition, said Steering Committee will review reports of progress and evaluate the annual accomplishments of the Regional Extension Forester.
- 3) Membership of the Steering Committee shall consist of eight members*:
 - a) Southern Directors' Administrative Advisor for the Southern Extension Forest Resource Specialists (SEFRS).
 - b) Cooperative Extension Service Director, University of Georgia.
 - c) Two representative forestry or natural resource Extension specialists.
 - d) Southern Agriculture and Natural Resources (ANR) Program Leader Forestry/Natural Resources Committee Chair.
 - e) Southern National Association of Professional Forestry Schools and Colleges (NAPFSC) Extension Chair.
 - f) USDA Forest Service – Deputy Regional Forester for State and Private Forestry Southern Region (Region 8).
 - g) National Program Leader for Forestry – USDA-CSREES.

*Membership of the Steering Committee may also be designees assigned to represent said Member.

- 4) The members of the aforementioned Steering Committee shall elect one of their members as Chairman of the Steering Committee.
- 5) The Regional Extension Forester, among other things, will provide liaison with the 13 southern state Extension forestry units to facilitate the coordination of programs and educational materials among these units and the USDA Forest Service – Southern Region. This will be accomplished by achievement of the following goals and objectives:
 - a) **Foster improved communications and cooperation between Extension (national, regional and state) and other organizations interested in the management of the Region’s forests (i.e., government agencies, forest industry, associations, conservation and environmental groups, etc).**
 - b) **Assess regional technology transfer, information dissemination and educational programming needs of the forest resource profession and private forest landowners.**
 - c) **Facilitate the development of educational materials directed at regional audiences, such materials to include publications, computer software, websites and other written, audio-visual or internet-based materials. Encourage where possible multi-state and regional extension cooperation and coordination of programs and activities.**
 - d) **Initiate, plan, and participate in educational and technology transfer activities designed to reach regional audiences of natural resource professionals and landowners.**
 - e) **Maintain current lists of available Extension and Forest Service educational materials and forestry/natural resources Extension personnel.**
 - f) **Work on special projects and initiatives relevant to the goals and objectives of the Regional Extension Forester as they arise. Utilize new information technologies where possible.**
 - g) **Provide leadership and assist states with resource acquisition for southern regional natural resources technology transfer programs.**
 - h) **Prepare plan of work, budget and annual report.**

- 6) Nothing herein shall be construed as obligating the Forest Service to expend or as involving the United States in any contract or other obligation for the future payment of money in excess of appropriations authorized by law and administratively allocated for this work.
- 7) No member of, or Delegate to, Congress or Resident Commissioner shall be admitted to share any part of this Agreement, or to any benefit that may arise there from; but this provision shall not be construed to extend to this Agreement if made with a corporation for its general benefit.
- 8) This Agreement will extend through September 30, 2001, with funding to be renewed at the beginning of each Federal fiscal year subject to the availability of funds as covered in Section 7 above.

Master Tree Farmer – Distance Education Improves Forestry for Landowners

Bill Hubbard, Southern Regional Extension Forester

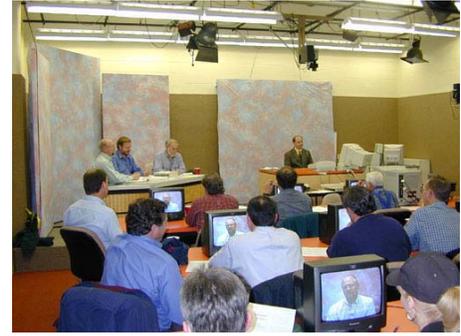
Forest sustainability at risk in the South?

Forest landowners today are caught in the middle of a major debate. This debate centers on the sustainability of our forests and all the goods, services and amenities they provide. Timber and wood products, wildlife, recreation, watershed and water quality, endangered plants and animals, alternative forest products and aesthetics are but a few of the resources we must work to protect and conserve. Not only has the concept of sustainability been extremely difficult to define, but two fairly polarized perspectives have arisen leaving the landowner in the middle. Some argue that the forests are not sustainable while others are quite sure we have a more healthy, diverse and sustainable forest than we've ever had. Who to believe? The debate may rage on for years but the solution to better sustainable forest management lies in providing information and technology today.

To offer solutions to the debate, the South Carolina Master Tree Farmer (MTF) program was offered via satellite downlink to any state in the South wishing to participate. This program, a seven-week, 21-hour course for private forestland owners is aimed at providing landowners conceptual and practical information on economically and environmentally sustainable forest management practices. Over the course of the seven week program landowners are exposed to introductory forestry terms and concepts, wildlife and timber management, economics, taxes and estate planning, timber marketing, harvesting and security, forestry services available to landowner.

More efficiency through regional programming

The Master Tree Farmer programs success lies in the fact that a regional team of Extension foresters



responded to a need for more in-place landowner education. Limited budgets and expertise across the South were an added impetus. These foresters were also responding to an Extension administration and USDA request for more multi-state and regional programs that result in more efficient, non-duplicative programs.

A regional steering committee was formed and consisted of Extension and key partners such as the USDA Forest Service, the American Forest & Paper Association, the American Tree Farm System, the Southern Group of State Foresters and 1890's Extension representation.

Results of this program, now in its third year, have been impressive; a second, more advanced course is underway due to the overwhelming demand from participants to learn more. Tables 1 and 2 outline the results of the MTF programs to date. In total, 5,375 landowners at 268 sites and in 14 states have participated in the live program. Countless others have viewed the program either via videotape or live streamed on the internet.

In 2001 and 2002, over 90% of the landowners who filled out evaluations felt that they would implement a

sustainable forestry management practice. Close to 80% said their knowledge after the course had increased drastically. Close to 90% said they would be willing to continue on with sustainable forestry training.

As the result of the success of the Master Tree Farmer programs,

a Master Wildlife Manager course will be developed and delivered to interested audiences in 2003. For more information about the Master Tree Farmer program visit www.mastertreefarmer.net.

	2000	2001
Number of states participating	10	14
Number of sites	62	132
Audience	1275	2500
Timberland acreage reported	347,295	748,227
Dollars expected to earn due to program	\$21.3 mil.	\$16.4 mil.

Table 1. Master Tree Farmer Introductory Program Statistics

	2002
Number of states participating (estimated)	11
Number of sites (estimated)	75
Audience (estimated)	1480
Timberland acreage reported (data not available yet)	
Dollars expected to earn (data not available yet)	

Table 2. Master Tree Farmer Advanced Program Statistics



Sharpening Our Saws: Urban and Community Forestry New Technologies Workshop

Bill Hubbard, Southern Regional Extension Forester

A changing southern landscape

Almost overnight, the South has gone from a region predominantly populated by rural residents to one that is profoundly urban. From Texas and Oklahoma to Kentucky, Virginia and all states in between, urban residents make up as much as 85% of the state's population. Even in rural towns and communities, the pressures of growth and sprawl are having tremendous impacts on our forests and natural resources. Trees and natural features of the landscape play important economic, social and environmental roles. These features of the landscape reduce cooling, increase property values, decrease air and water pollution and have soothing social and public health benefits. Trees and natural resources in urban and community areas are worth billions across the South; an asset that we can't afford to lose.

The profession responds

Responding to the drastic growth and sprawl, a regional multi-agency team led by Cooperative Extension Service foresters, USDA Forest Service - Southern Center for Urban Forestry Research and Information and state forestry personnel



developed a four day technology transfer

For more information about Regional Extension Forestry programming contact Bill Hubbard, Southern Regional Extension Forester, 4-402 Forest Resources Building, The University of Georgia, Athens, GA 30602, (706) 542-7813, whubbard@uga.edu, homepage: www.soforext.net and www.forestryindex.net

workshop for state urban forestry specialists, state Extension urban foresters and state non-government organization personnel who focus on urban and community forestry issues and solutions. The program, "New Technologies in Urban and Community Forestry" was held at Clemson University in August 2002. Over 50 people participated in the session which involved both indoor and outdoor lectures and laboratories.

The professional development course focused on new technologies that urban foresters can use to deal with the current situation as it relates to sprawl and uncontrolled growth in the South. Topics such as Geographic Information Systems (GIS) and GPS, visualization software basics and new developments in arboriculture technologies were highlighted. Each participant was provided a Personal Digital Assistant (PDA) and was trained on its uses for time management, data collection and even GIS purposes.

This course was well received. Comments included:

"Thank you for giving me a jump start on the use of technology available to me."

"This is the most organized workshop I've gone to in a very long time. Finally, a workshop that someone with an advanced degree can attend and not feel as if they are listening to someone's dissertation defense!"

Overall, the workshop participants rated the course extremely high. The workshop was funded by the USDA Forest



Service -Southern Center for Urban Forestry Research and Information and involved in-kind contributions from the Extension Service and many others. Participants estimated the value of the training in and of itself to be worth over \$750 per person or close to \$40,000 total. Long term impacts will be determined via future surveys.

Collaboration a key to success

Although the effort was lead by an inter-agency team, input was provided throughout the planning by many individuals. All 13 southern states participated throughout each phase.

Another useful aspect of the training was the interaction amongst the participants and the relationships built as a result of learning in open environment. The diversity in job responsibility, background and experience, and race and gender added to the learning experience. This is particularly important in the field of urban and community forestry due to the small number of core professionals and the vast number of social, environmental and political issues these individuals must work with.

The success of the course has lead to discussions to hold another training dealing with urban-wildland interface issues, needs and opportunities.

Contact Bill Hubbard (whubbard@uga.edu), Don Ham (dham@clemson.edu) or Ingrid Sather (isather@fs.fed.us) for more information.