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Wood Magic Forest Fair: 2011 Annual Report

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2011

Annual Report



South Carolina's
WOOD MAGIC FOREST FAIR

South Carolina's Wood Magic Forest Fair is a 4-hour program designed to enable fourth graders from across the state to:

- Demonstrate awareness that our society depends on forests for many products we use every day and that these products improve our quality of life.
- Explain the difference between renewable and non-renewable natural resources and apply the reduce-reuse-recycle principles of conservation.
- Recognize that many different management techniques are required to insure long-term sustainability of our forests.
- Describe the many environmental, social, and economic benefits of our forests.

These goals are accomplished through a variety of 25 minute hands-on activities led by forestry professionals from numerous organizations. For a pictorial explanation of each of the 6 learning stations, go to the Wood Magic web site at:

www.trees.sc.gov/wmfair.htm

HISTORY OF THE WOOD MAGIC FOREST FAIR

The South Carolina Wood Magic Forest Fair was first held October 18-22, 1999 at Harbison State Forest in Columbia. The program has been an extreme success, with over 26,000 participants in the 13 years since it began. Demand for the program has always exceeded the capacity each year since its inception.

Like last year, the fair this year was held only at Harbison State Forest, though in past years the fair has been held at multiple locations. Past programs have also been held at Clemson University's Botanical Gardens and S.C. State University's Camp Daniels, Piedmont Forestry Center in the upstate, Sewee Visitors Center on the coast, as well as in-school programs in the upstate during the 2003 school year.

Today, the WMFF is organized by the S.C. Forestry Commission and financed through donations and grants. Approximately 89 volunteers from the forestry community came together this year to make this natural resource program successful.

PARTICIPANT COMMENTS

We receive many thank you letters and comments each year from students, teachers, and parents who participate in or as a result of their children attending the Wood Magic Forest Fair. These letters reinforce the quality of the educational efforts the program strives to accomplish. Below is a sampling of a few choice comments:

TEACHERS

“It fits perfectly within our curriculum. It was wonderful! What an exceptional day of learning for our students!”

“Thank You for planning and organizing such a great educational experience for my students. It was the best field trip I’ve ever experienced.”

“The program was organized very well from beginning to end. All learning stations and activities were appropriate for 4th graders. All guides and presenters were friendly and very knowledgeable.”

“I’ve been teaching for 16 years. This was the best field trip I’ve ever done.”

“This has been one of our best trips. Everyone was knowledgeable and excited about presenting. One of my students said, “This was the best day of my life!”

“All activities and the personnel were outstanding! Super job!”

STUDENTS

“...you made learning fun.”

“The field trip was the best one I ever had! My favorite part about the field trip was the Gifts of the Forest because it was neat to learn all about what the forest gives us.”

“That was the best field trip I’ve been to.”

“My favorite part was the sawmill. It was really awesome to see all kinds of wood, wood chips and the cedar.”

PARENTS

“What a remarkable experience. We have talked about it all weekend and relive her experience with her. I’m so happy she’s able to experience life, science, nature, and history in such a real and profound way.”

NUMBER OF PARTICIPANTS

Each Spring, every public and private school with a 4th grade who is registered with the State Board of Education is sent an invitation to apply to the fall Wood Magic Forest Fair. Applications are scheduled during the summer on a first come - first serve basis, with some consideration given to those schools that have never attended and previous records of attendance and participation.

Fall 2011 school year participation

Location	#Applications Received	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Harbison	80	52	760	154	914

Here are the statistics for the past 13 years of Wood Magic:

Cumulative Totals (13 years of Wood Magic)

Location	#Applications Received*	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Piedmont (2004-2010)	138	170	3,112	490	3,602
Upstate (in-school) (2003)	92	32	744	37	781
Clemson (2002)	90	38	756	228	984
Camp Daniels (2001)	43	43	786	172	958
Harbison (1999-2011)	1,233	535	9,866	2,012	11,878
Sewee (2000-2010)	483	348	6,984	1,392	8,376
Totals (Since 1999)	2,079	1,166	22,248	4,331	26,579

**NOTE: In 2004 an improved system of taking applications only from schools, not individual teachers, began reducing the number of applications that were received. In 2010, applications were received for the Piedmont, Sewee, and Harbison events, but only the Harbison event was held. In 2011, applications were received for Harbison only.*

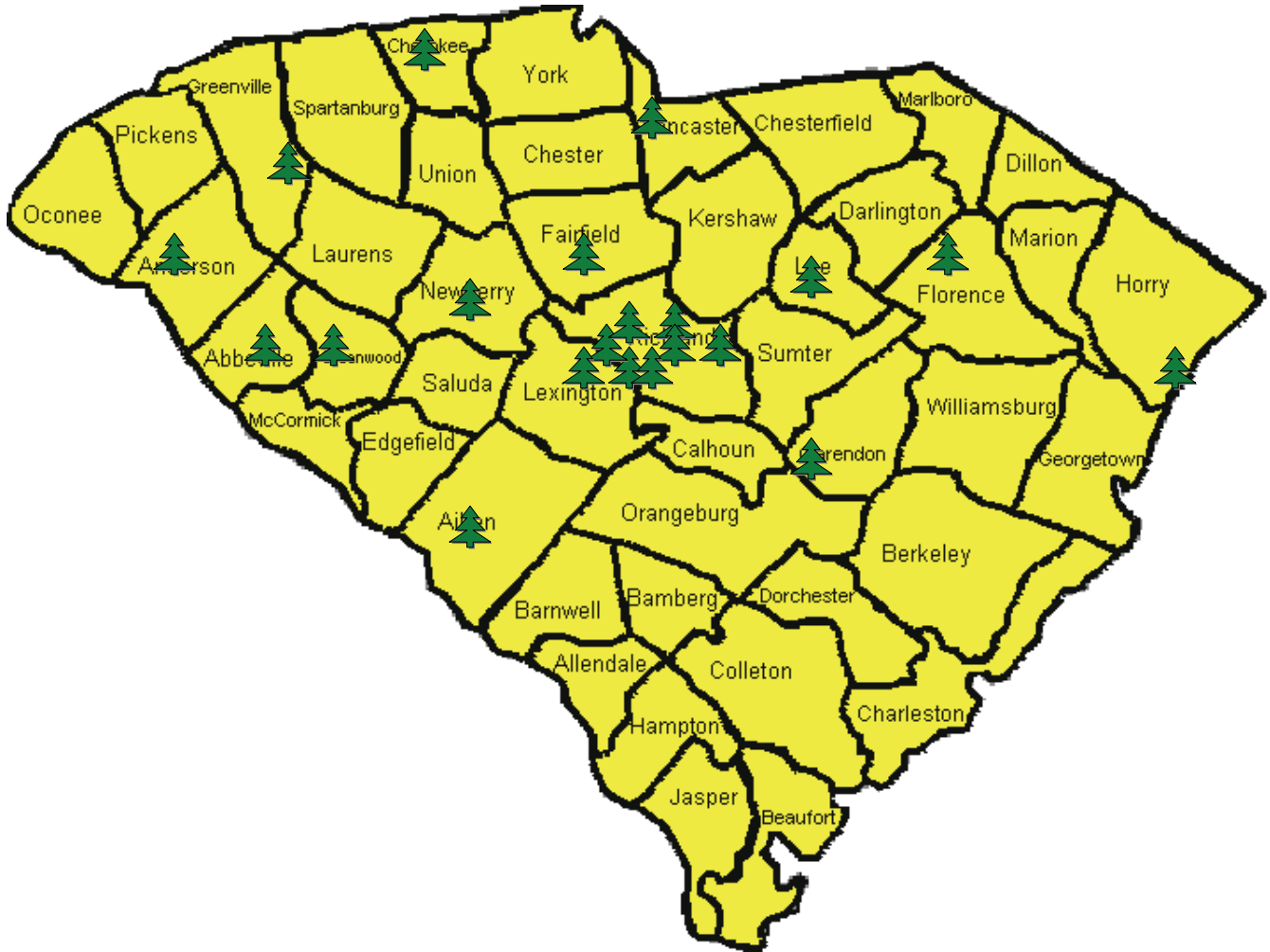
2011 SCHOOLS

HARBISON STATE FOREST

<u>SCHOOL</u>	<u>CITY</u>
Carolina School for Inquiry	Columbia
Chabad Academy	Myrtle Beach
Clarendon Hall	Summerton
Columbia Jewish Day	Columbia
Covenant Classical Christian	Columbia
Diamond Hill Elementary	Abbeville
Erwin Elementary	Lancaster
Forest Heights Elementary	Columbia
Grace Christian	West Columbia
Hammond	Columbia
Heritage Christian	Lexington
Holy Trinity Lutheran	West Columbia
Mathews Elementary	Greenwood
McLaurin Elementary	Florence
MLD Higher Learning Academy	Bishopville
Montessori Early Learning Center	Columbia
New Heights	Columbia
Newberry Academy	Newberry
Richard Winn Academy	Winnsboro
Saint John Neumann Catholic	Columbia
Saint Joseph Catholic	Anderson
South Aiken Christian	Aiken
Southside Christian	Simpsonville
The Village School of Gaffney	Gaffney



SCHOOL LOCATION MAP



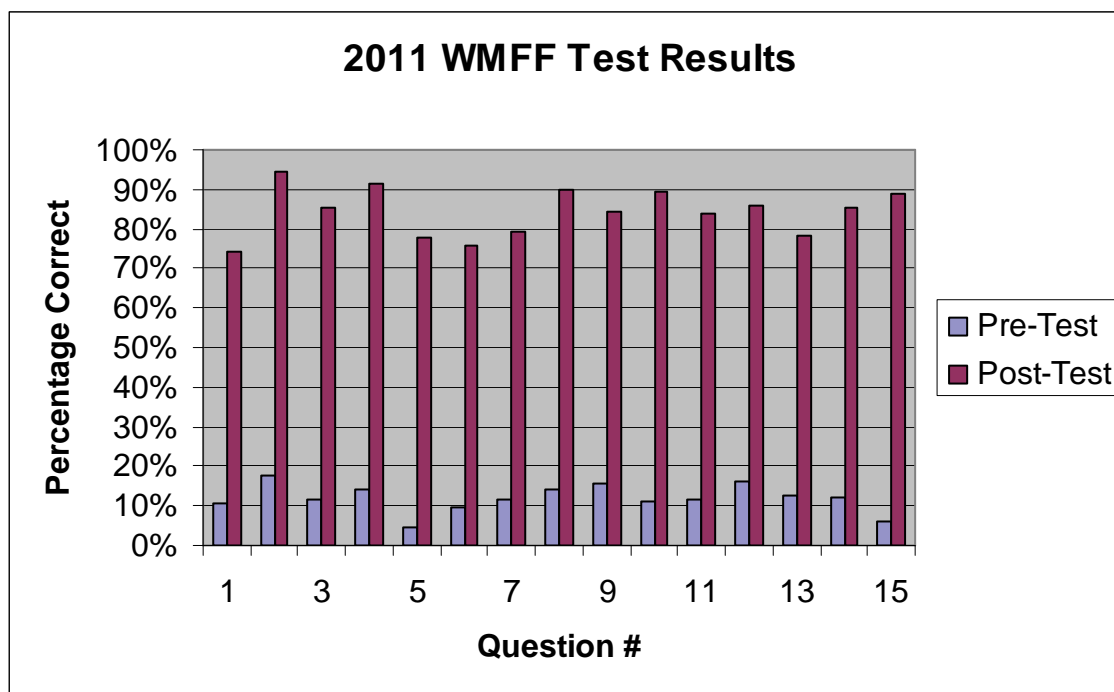
 Locations of schools attending the 2011 Wood Magic Forest Fair

KNOWLEDGE GAINED

South Carolina's Wood Magic Forest Fair is a comprehensive environmental education program that is correlated to state curriculum standards in science and language arts. To help measure the effectiveness of this program, teachers were asked to administer a pre-test to the students before they attended Wood Magic and a post-test afterward. The results of these tests were then compiled and examined to determine the educational success of Wood Magic. The following is a summary of those results:

- ★ Before the program, only 10% of the students understood that the U.S. has more forests today than it did 100 years ago. After the program 74% of the students knew this to be true. This is a major gain in the awareness of the sustainability of our forests.
- ★ 94% of the students now recognize that trees are a renewable natural resource.
- ★ Before they attended the WMFF program, 5% of the students thought that the major reason to recycle paper was to save landfill space. Afterward, 78% of the students recognized that the primary goals in recycling are to save landfill space and reduce waste.
- ★ 78% of the students now recognize that more trees are planted each year in South Carolina than are harvested.
- ★ Before coming to Wood Magic, only 9% of the students thought that using trees for the products we need is an environmentally friendly thing to do. After participating in this program, 76% now recognize the environmental benefits of forests and believe this to be true.
- ★ After attending Wood Magic, 89% of the students were able to list a minimum of 10 items that they use everyday that come from trees. Before attending Wood Magic, only 6% could do this task.
- ★ Students showed a significant gain in knowledge about forests in 100% of the major categories measured. Overall, the scores on the test increased from an average of 12% on the pre-test to 84% on the post-test.

Here's a visual summary of the pre-visit and post-visit test results:



Test Results			Main Emphasis of Test Question
Question	Pre-Test	Post-Test	
1	10%	74%	There are more forests today than 100 years ago.
2	18%	94%	Trees are a renewable natural resource.
3	12%	85%	Prescribed fire can be used to improve forests and wildlife habitat.
4	14%	91%	Every part of a log is used when brought into a sawmill. There is no waste.
5	5%	78%	The main reason to recycle paper is to save landfill space and reduce waste.
6	9%	76%	Growing and harvesting trees to make products for our everyday use is environmentally friendly.
7	12%	79%	In SC there are more trees planted than are harvested each year.
8	14%	90%	Forests clean the air and water we use.
9	16%	84%	Oil and gas are non-renewable natural resources.
10	11%	90%	Definition for: Natural Resources
11	11%	84%	Renewable
12	16%	86%	Non-renewable
13	13%	78%	Biodegradable
14	12%	85%	Recycle
15	6%	89%	Student can list at least 10 items that they use daily that come from wood.

*595 student pre-test were measured against 565 post-test returned. This is equal to a 78% return of the pre-tests, and a 74% return of the post-tests.

BUDGET

INCOME

2011 SC SFI Implementation Committee funds	\$3,000.00
2010 SC SFI Carry-over funds	\$8,226.20
2011 Stewardship Funds	\$1,000.00
2010 SCFC Stewardship Funds Carry-over	\$2,081.29
S.C. Tree Farm Committee	\$500.00
Georgia Pacific	\$1,000.00
Appalachian SAF	<u>\$500.00</u>
Total Income	\$16,307.49

EXPENSES

Food	\$2,676.67
Tent & Portajon Rentals	\$1,614.53
Office supplies, Misc.	\$385.86
Shirts (for participants, instructors)	<u>\$5,759.34</u>
Total Expenses	\$10,436.40

BALANCE **\$5,871.09**

In-Kind Contribution* **\$32,237.35

*See sponsor page for a list of contributors.



2011 STEERING COMMITTEE

The SC WMFF Steering Committee is made up of volunteers from forest industry, state and federal agencies, and private citizens who volunteer to help oversee and organize the program.

<u>Name</u>	<u>Organization</u>
Tommy Adkins	Abitibi Bowater, Incorporated
Gwen Beavans	USDA Forest Service
Tom Brant	Clemson Extension
Janna Dupree	USDA Forest Service
Russell Hubright	SC Forestry Commission
Crad Jaynes	SC Timber Producers Association
Stephanie Kolok	SC Forestry Commission
Julie Leary	SC Forestry Association
Lynn Leclair	SC Forestry Commission
Amy Maxwell	Natural Resource Conservation Service
Jay Phillips	Resource Management Services
Scott Phillips	SC Forestry Commission
Stephen Pohlman	Clemson Extension
Eric Smith	Kapstone Charleston Kraft



WOOD MAGIC STAFF

The success of South Carolina's Wood Magic Forest Fair can be attributed to the dedication and technical competence of 89 professionals from numerous organizations. These volunteers set up tents, developed lesson plans, guided classes, served food, cleaned up after a busy day, taught students, assembled student packets, welcomed guests, and performed dozens of other tasks. Our sincere appreciation for a job well done goes to the following:

<u>First Name</u>	<u>Last Name</u>	<u>Organization Name</u>	<u>First Name</u>	<u>Last Name</u>	<u>Organization Name</u>
Tommy	Adkins	Bowater, Inc.	Matt	Krawiec	Domtar Paper Company LLC
Gregory	Allen	Abitibowater	Jane	Lawther	Robinsons on Parallel
Calvin	Bailey	SCFC	Julie	Leary	SCFA
Frazier	Baldwin	Abitibowater	Lynn	Leclair	SCFC
Bruce	Ballentine	SCFC	Judy	Lucas	SCFC
John	Barlow	Plum Creek Timber	John	Maitland	Fort Jackson
John	Bess	Collum's Lumber	Ken	McInnis	SCFC
Paul	Blessing	SCFC	Ryan	McIntyre	SCFC
Harry	Blount	SCFC	Dwight	McPherson	Bowater, Inc.
Tina	Blum	Lexington Soil and Water Conservation District	Carrie	Miller	USDA Forest Service
Wesley	Bouknight	SCFC	Trip	Miller	SCFC
Liz	Bourgeois	Appalachian SAF	Neal	Mills	Abitibowater
Mike	Bozzo	SCFC	Doug	Mills	SCFC
Brad	Bramlett	SCFC	Tommy	Mills	SCFC
Tom	Brant	Clemson University Coop Extention	Larry	Moody	SCFC
Michelle	Burnett	USDA--Francis Marion/Sumter NF	Justin	Morris	Jordan Lumber & Supply
Jonathan	Calore	SCFC	Mary	Morrison	USDA Forest Service
Jeff	Carson	Collum's Sawmill LLC	Kelly	Mucci	International Paper
Jody	Chaney	Bowater, Inc.	Mary	Nevins	Carolina Clear--Clemson Extension
Bart	Copeland	Collum's Lumber Products LLC	Nell	Orscheln	Clemson Extension
Keith	Cox	SC Agriculture Education	David	Owen	SCFC
Scott	Danskin	SCFC	Tom	Patton	SCFC
Earl	Dutton	Forest Land Services	Scott	Pellum	Kapstone Paper
John	Eargle	Bowater, Inc.	Stephen	Pohlman	Clemson Extension
Lois	Edwards	SCFC-retired	Jaime	Pohlman	Clemson Extension
Joel	Felder	SCFC	Rusty	Purdy	Collum Lumber
Jeff	Fellers	Clemson Extension	Jeff	Riggin	SCFC
Ron	Ferguson	SCFC - Retired	Amanda	Roberts	Lancaster Soil and Water Conservation District
Chase	Folk	SCFC	Stephen	Sanderson	SC Agriculture Education
Carol	Forney	USDA Forest Service	Bob	Schowalter	SCFC - retired
Lisa	Hart	SCFC	Mike	Shealy	SCFC
Scott	Hawkins	SCFC	Eric	Smith	KapStone Charleston Kraft
Gary	Hermann	KapStone Charleston Kraft LLC	Leah	Smith	
Trista	Hindman	Hobcaw Barony/Belle W. Baruch Foundation	Tonya	Steadman	SCFC
Ronnie	Hinson	Bowater, Inc.	Marshall	Thompson	AbitibiBowater
Jamey	Hollis	Bowater, Inc.	Jimmy	Walters	SCFC
Lin	Houck	Collums Lumber	Michael	Weeks	SCFC
Russell	Hubright	SCFC	Bubba	Welch	Collum Lumber
Gwyn	Ingram	USDA--Francis Marion	Bill	Wiley	SCFC
Vicki	Irick	SCFC	Anthony	Wood	Hancock Forest Management
Dena	Jacob	SCFC	Leslie	Woodham	SCFC
Michelle	Johnson	SCFC	Walt	Woodrum	SCFC
Robert	Jones	SCFC		Worthington	
Billy	Keels	SC Ag Education	Mickey		SCFC
Stephanie	Kolok	SCFC	Terasa	Young	Clemson Extension

VOLUNTEER PERSONNEL IN 2011 BY CONTRIBUTORS

CONTRIBUTOR	# Personnel	% of Personnel	# of man hours	% of Man hours
SCFC	38	42.7%	747.5	58.7%
Industry	34	38.2%	341.5	26.8%
USDA-Forest Service & FWS	5	5.6%	69	5.4%
Others (Clemson, DNR, etc)	12	13.5%	115	9.1%
Totals	89	100%	1273	100%

Thanks to the 89 volunteers and the more than 45 sponsors who made the 2011 Wood Magic Forest Fair program a great success!



2011 CONTRIBUTORS

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AbitibiBowater, Incorporated
American Forest Management
Augusta Newsprint Company
Austin Logging, Inc
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Charles K. Doolittle, Inc.
Clemson Extension Service
Collum's Lumber Products, LLC
Domtar Paper Company, LLC
Environmental Education
Consulting, LLC
Evergreen Packaging Corp.
Forest Investment Associates
Forestland Services, Inc.
Fort Jackson-Forestry Branch
Georgia-Pacific Corporation
Hancock Forest Management
Hobcaw Barony/Bell W. Baruch
Foundation
International Paper Company
Jordan Lumber & Supply, Inc.
Justin Lumber and Supply
Kapstone Charleston Kraft, LLC
MeadWestvaco Corp.
Milliken Forestry Company

National Audubon Society
Norbord South Carolina
Norfolk Southern
Pioneer Machinery
Plum Creek Timber Co., Inc.
Pollard Lumber, Inc.
Resource Management Service,
LLC
Richardson, Bell, McLeod & Wetzel
Robinsons on Parallel
RockTenn
Santee Cooper
Shealy's Truck Center
Simpson Lumber Co., LLC
Soil and Water Conservation-
Lancaster District
SCFC Forest Stewardship Program
SC Agriculture Education
SC Forestry Association
SC Timber Producers' Association
SC Tree Farm Committee
Appalachian Society of American
Foresters
Sonoco Products Company
Weyerhaeuser



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**SC Forestry Commission
Forest Stewardship Program**



SC Tree Farm Committee



**SC Sustainable Forestry
Initiative Implementation**



Georgia-Pacific Corporation



**South Carolina Division,
Appalachian
Society of American Foresters**