

South Carolina's

Wood Magic

FOREST FAIR



2013 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 28,000 participants in the 15 years since it began. Demand for the program has always exceeded the capacity each year since its inception.

This year's Fair was held at 2 locations: Harbison State Forest in Columbia and the Sewee Vistor and Environmental Education Center in Awendaw. Past programs have also been held at Clemson University's Botanical Gardens, S.C. State University's Camp Daniels, the Piedmont Forestry Center in the upstate, Hobcaw Baroney Discovery 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 124 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 from this year:

TEACHERS

“We love every aspect of the WMFF. Thank you so much for bringing such a magical day of learning to our students!”

“We absolutely love the hands-on nature of the program! The volunteers and staff are so knowledgeable and friendly, the activities perfectly align with curriculum, and the students are actively engaged and having a blast! This is the best day of the year!”

“I am so impressed with the structure and organization of the fair”

“The entire experience was great! It was well-organized and engaging for everyone! My students are still talking about what they learned and connecting it to our current studies in science.”

“The people who worked the WMFF were very professional and prepared. Everyone was friendly and helpful”

STUDENTS

“The forest is a fun place to learn about. I loved it”

“Thank you for letting us go and learn about trees....I will never forget the fun time I had. I learned a lot about trees and what we can make out of trees and what they do for us.”

“Thank you for the field trip that you let us take. It was fun learning about trees and leaves”



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 2013 school year participation

Location	#Applications Received	#Classes Applied	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Harbison	34	89	39	670	121	791
Sewee	4	15	15	337	57	394

Here are the statistics for the past 15 years of Wood Magic:

Cumulative Totals (15 years of Wood Magic)

Location	#Applications Received*	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Piedmont (2004-2010, 2012)	152	193	3,574	570	4,144
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, 2013)	1,267	574	10,536	2,133	12,669
Sewee (2000-2010, 2013)	487	363	7,321	1,449	8,770
Hobcaw (2012)	13	19	396	68	464
Totals (Since 1999)	2,144	1,262	24,113	4,657	28,770

**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.*

2013 SCHOOLS

Harbison State Forest

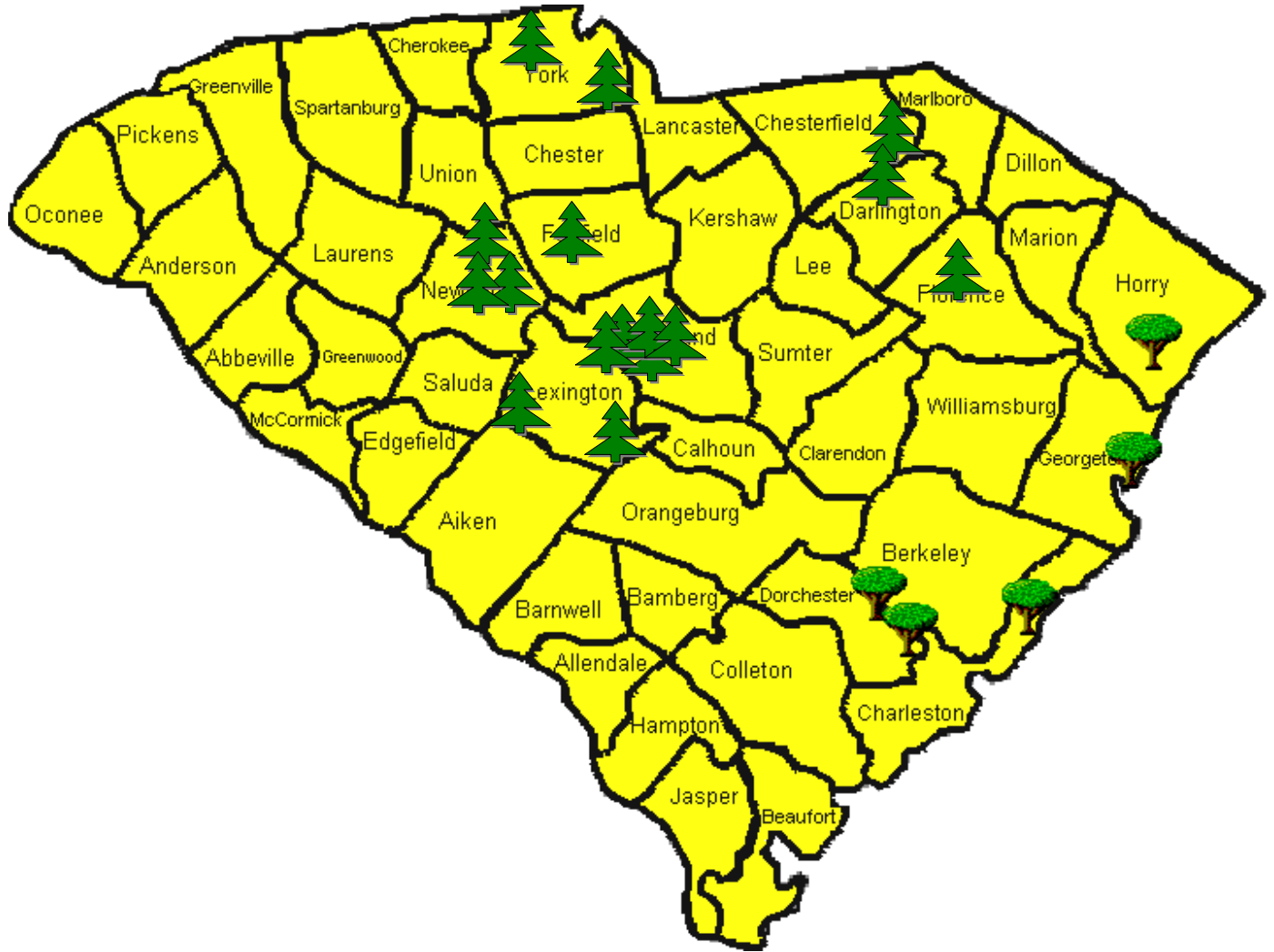
<u>SCHOOL</u>	<u>CITY</u>
Carolina Elementary	Hartsville
Columbia Jewish Day School	Columbia
Faith Christian Academy	Cheraw
Grace Christian School	West Columbia
Griggs Road Elementary	Clover
Joseph Keeps Elementary	Columbia
Kelly Miller Elementary	Winnsboro
King Academy	Batesburg
Lester Elementary	Florence
Newberry Academy	Newberry
Pomaria-Garmany Elementary	Pomaria
Sandy Run Elementary	Swansea
Springdale Elementary	West Columbia
St. John Neumann	Columbia
Westminster Catawba Christian School	Rock Hill
Whitmire Community School	Whitmire

Sewee Visitor and Environmental Education Center

<u>SCHOOL</u>	<u>CITY</u>
Cape Romain Environmental Education Charter School	McClellanville
Pee Dee Elementary	Conway
Ridge Christian Academy	Summerville
Summerville Catholic School	Summerville
Waccamaw Intermediate School	Pawley's Island



SCHOOL LOCATION MAP



Locations of schools attending at the Harbison State Forest event



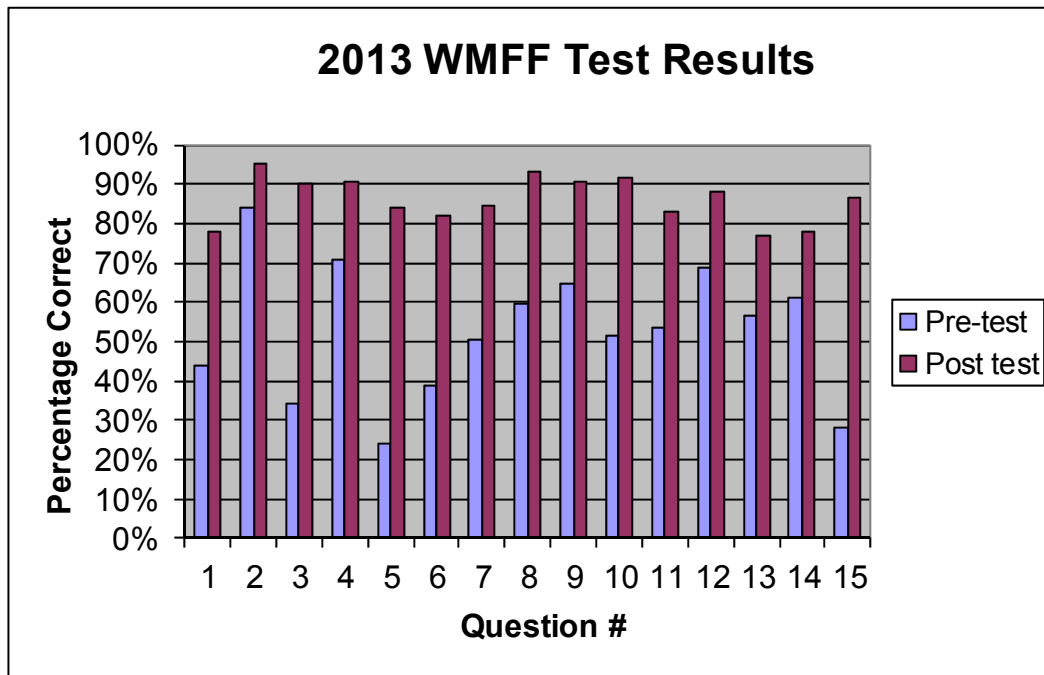
Locations of schools attending at the Sewee Visitor Center event

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 44% of the students understood that the U.S. has more forests today than it did 100 years ago. After the program 78% of the students knew this to be true. This is a major gain in the awareness of the sustainability of our forests.
- ★ 95% of the students now recognize that trees are a renewable natural resource.
- ★ Before they attended the WMFF program, 24% of the students thought that the major reason to recycle paper was to save landfill space. Afterward, 84% of the students recognized that the primary goals in recycling are to save landfill space and reduce waste.
- ★ 85% of the students now recognize that more trees are planted each year in South Carolina than are harvested.
- ★ Before coming to Wood Magic, only 39% of the students thought that using trees for the products we need is an environmentally friendly thing to do. After participating in this program, 82% now recognize the environmental benefits of forests and believe this to be true.
- ★ After attending Wood Magic, 87% 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 28% 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 53% on the pre-test to 86% 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	44%	78%	There are more forests today than 100 years ago.
2	84%	95%	Trees are a renewable natural resource.
3	34%	90%	Prescribed fire can be used to improve forests and wildlife habitat.
4	71%	91%	Every part of a log is used when brought into a sawmill. There is no waste.
5	24%	84%	The main reason to recycle paper is to save landfill space and reduce waste.
6	39%	82%	Growing and harvesting trees to make products for our everyday use is environmentally friendly.
7	51%	85%	In SC there are more trees planted than are harvested each year.
8	60%	93%	Forests clean the air and water we use.
9	65%	91%	Oil and gas are non-renewable natural resources.
10	51%	91%	Definition for: Natural Resources
11	54%	83%	Renewable
12	69%	88%	Non-renewable
13	56%	77%	Biodegradable
14	61%	78%	Recycle
15	28%	87%	Student can list at least 10 items that they use daily that come from wood.

*725 student pre-test were measured against 572 post-test returned. This is equal to a 61% return of the pre-tests, and a 48% return of the post-tests.

BUDGET

2013 SC SFI Implementation Committee funds	\$6,000.00
2012 SC SFI IC Carry-over funds	\$9,371.39
2012 Stewardship Carry-over Funds	\$601.92
International Paper Grant	\$2,160.00
Georgia Pacific	\$1,000.00
S.C. Tree Farm Committee	\$500.00
Hancock Forest Management	\$500.00
Appalachian SAF	<u>\$500.00</u>
<i>Total Income</i>	\$20,633.31

EXPENSES

T-shirts	\$3,618.00
Tent/Chair/Table/Portable Toilet Rentals	\$3,306.21
Food	\$2,892.25
Office supplies, Misc.	\$1,097.31
Postage/Mail Service	\$271.85
<i>Total Expenses</i>	\$11,185.62

BALANCE	\$9,447.69
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* In-Kind Contribution	<u>\$55,871.66</u>
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*See sponsor page for a list of contributors.



WOOD MAGIC STAFF

The success of South Carolina's Wood Magic Forest Fair can be attributed to the dedication and technical competence of 124 professionals, college students, and volunteers from numerous organizations. These people 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>
Dell	Amick	Midlands Master Naturalist
Jackie	Anderson	
Angel	Askew	AmeriCorps
Calvin	Bailey	SCFC
Bruce	Ballentine	SCFC
John	Barlow	Plum Creek Timber
Joshua	Beam	AmeriCorps
David	Beard	
Gwen	Beavans	USDA Forest Service
Jim	Bland	International Paper
Harry	Blount	SCFC
Tina	Blum	Lexington Conservation District
Wesley	Bouknight	SCFC
Liz	Bourgeois	Appalachian SAF
Roy	Boyd	SCFC
Mike	Bozzo	SCFC
Brad	Bramlett	SCFC
Tom	Brant	Clemson Extension
Glenda	Brown	Sewee Visitor Center
Marie	Butler	USDA Forest Service
Mary	Cafilisch	Clemson Extension
Jonathan	Calore	SCFC
George	Chastain	Belle W. Baruch Foundation
Keith	Colm	USDA Forest Service
Doug	Costin	International Paper
Keith	Cox	SC Agriculture Education
Corey	Craig	Clemson Extension
Scott	Danskin	SCFC
Carolyn	Dawson	Clemson Extension
Justin	Demiter	International Paper
James	Douglas	SCFC
Jason	Duck	SCFC
Janna	Dupre	USDA Forest Service
John	Eargle	Resolute Forest Products
Alvin	Feltman	Southern Woodland Associates
Tal	Fleming	Georgia-Pacific
Chase	Folk	SCFC
Brent	Foltz	USDA Forest Service
Amy	Fore	USDA Forest Service
Rusty	Fort	USDA Forest Service
Robert	Gable	SCFC
John	Galbary	
Chris	Gordy	Norbord SC
Stephanie	Guillian	Ft. Jackson
Buddy	Gunter	SCFC
Cory	Hall-Martin	AmeriCorps
Lisa	Hart	SCFC

<u>First Name</u>	<u>Last Name</u>	<u>Organization Name</u>
Scott	Hawkins	SCFC
Jane	Hiller	Sonoco Recycling
Matthew	Hoffman	International Paper
Ginny	Holt	Midlands Master Naturalist
Russell	Hubright	SCFC
Gwyn	Ingram	USDA--Francis Marion
Vicki	Irick	SCFC
Charlotte	Jennings	
George	Johnson	Awendaw Fire Department
Michelle	Johnson	SCFC
Darryl	Jones	SCFC
Jaime	Jones	SCFC
Robert	Jones	SCFC
Beth	Kendall	Midlands Master Naturalists
Darrell	Ketchens	
Justine	Keys	AmeriCorps
Debbie	Kiser	SCFC
Stephanie	Kolok	SCFC
Randell	Kornegay	USDA Forest Service
Matt	Krawiec	Domtar Paper Company LLC
Allie	Kreutzer	Sewee Association
Taylor	Lawrence	AmeriCorps
Ken	Leach	International Paper
Corky	Lotsey	Sewee Visitor Center
John	Lotsey	Sewee Visitor Center
Judy	Lucas	SCFC
Ken	McInnis	SCFC
Ryan	McIntyre	SCFC
Lisa	McKnight	Ft. Jackson
Mike	Miller	AmeriCorps
Trip	Miller	SCFC
Carrie	Miller	USDA Forest Service
Doug	Mills	SCFC
Tommy	Mills	SCFC
Trent	Moore	Simpson Sawmill
Matthew	Myerpeter	International Paper
Cathy	Nordeen	SCFC
David	Owen	SCFC
Stephen	Patterson	SCFC
Tom	Patton	SCFC
Scott	Pellum	Kapstone Paper
Laurie	Reid-Dukes	SCFC
Jeff	Riggin	SCFC
Travis	Roberts	USDA Forest Service
Martha	Rogers	
Michael	Rushton	Norbord SC
Stephanie	Serna	

<u>First Name</u>	<u>Last Name</u>	<u>Organization Name</u>
Lowe	Sharpe	SCFC
Mike	Shealy	SCFC
Leah	Smith	
Eric	Smith	KapStone Charleston Kraft
Jeanette	Smith	Midlands Master Naturalist
Vaughan	Spearman	SCFC
Daniel	Spears	SCFC
Tonya	Steadman	SCFC
Jawana	Stephens	USDA Forest Service
Lenora	Stukes	SCFC
Bud	Sypert	Plum Creek
Michael	Walker	International Paper
Jimmy	Walters	SCFC
Keith	Ward	Master Naturalist
Cody	Watts	SCFC

<u>First Name</u>	<u>Last Name</u>	<u>Organization Name</u>
Katie	Wean	USDA Forest Service
Gwen	Wearing	
Michael	Weeks	SCFC
David	West	SCFC
Maxine	Weston	USDA Forest Service
Bill	Wiley	SCFC
Sandra	Wilkins	USDA Forest Service
Dee Dee	Williams	Midlands Master Naturalist
Jackie	Wong	
Anthony	Wood	Hancock Forest Management, Inc.
Walt	Woodrum	SCFC
Mickey	Worthington	SCFC
Ricky	Wrenn	
Michelle	Wrenn	USDA Forest Service
Terasa	Young	Clemson Extension



VOLUNTEER PERSONNEL IN 2013 BY CONTRIBUTORS

CONTRIBUTOR	# Personnel	% of Personnel	# of man hours	% of Man hours
SCFC	48	39%	1282.2	54%
Industry	20	16%	253.5	11%
USDA-Forest Service & FWS	16	13%	332.5	14%
Others (Clemson, DNR, etc)	40	32%	505.75	21%
Totals	124	100%	2,373.95	100%

Thanks to the 124 volunteers and the more than 48 sponsors who made the 2013 Wood Magic Forest Fair program a great success!

2013 CONTRIBUTORS

South Carolina's Wood Magic Forest Fair is jointly sponsored by the SC Forestry Association, SC Forestry Commission, and the USDA Forest Service. Special thanks to the following organizations that provided financial support and/or in-kind services (personnel, equipment, and supplies):

American Forest Management
 Appalachian Society of
 American Foresters
 Augusta Newsprint Company
 Awendaw Fire Department
 Belle W. Baruch Foundation
 Canfor Southern Pine
 Clemson Extension Service
 Clemson University
 Collum's Lumber Products, LLC
 Domtar Paper Company, LLC
 Evergreen Packaging Corp.
 Forest Investment Associates
 Forest Land Services
 Fort Jackson
 Georgia-Pacific Corporation
 Hancock Forest Management
 International Paper Company
 Jordan Lumber & Supply, Inc.
 Kapstone Charleston Kraft, LLC
 Lexington Co. Conservation District
 MeadWestvaco Corp.
 Midlands Master Naturalist Assoc.
 Milliken Forestry Company

Norbord South Carolina
 Norfolk Southern/Brosnan Forest
 Pioneer Machinery
 Plum Creek Timber Co., Inc.
 Pollard Lumber, Inc.
 Resolute Forest Products
 Resource Management Service, LLC
 Richland Co. Conservation District
 RockTenn
 Santee Cooper
 SC Agriculture Education
 SC Forestry Commission
 SCFC Forest Stewardship Program
 SC Forestry Association
 SC Timber Producer's Association
 SC Tree Farm Committee
 Sewee Association
 Simpson Lumber Co., LLC
 Simpson Sawmill
 Sonoco Products Company
 Sonoco Recycling
 Southern Woodland Associates
 USDA Forest Service
 US Fish and Wildlife Service



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**SC Sustainable Forestry
Initiative Implementation
Committee**



International Paper



Georgia-Pacific Corporation



SC Tree Farm Committee



**Hancock Forest
Management**



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