

WOOD MAGIC

FOREST FAIR: 2015 ANNUAL REPORT





Wood Magic Forest Fair is a free, fun, forestry-fact-filled field trip and festival for fourth-graders. A four-hour program of forestry-related educational experiences and demonstrations, the fair combines hands-on activities with visually engaging presentations to teach children about the importance of forest lands to wildlife, the economy and our daily quality of life. The program is 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 volunteers from numerous organizations. For a pictorial description of each of the six learning stations, please visit the Wood Magic web site at: www.trees.sc.gov/wmfair.htm.

HISTORY

The South Carolina Wood Magic Forest Fair was first held Oct. 18-22, 1999 at Harbison State Forest in Columbia. The program has been an extreme success, with over 31,500 participants in the 17 years since it began. Demand for the program has always exceeded the capacity each year since its inception.

This year's Fair was scheduled at three locations: Piedmont Forestry Center in Tamasee, Harbison State Forest in Columbia, and the Lynches River County Park in Coward. The Harbison event was canceled because of historic flooding. Past programs have also been held at Clemson University's Botanical Gardens, S.C. State University's Camp Daniels, Sewee Visitor Center on the coast, as well as in-school programs in the upstate during the 2003 school year.

The 2015 WMFF was coordinated by the S.C. Forestry Commission, and financed through donations and grants. Approximately 87 volunteers from the forestry community and other organizations came together this year to make this forestry education program successful.



TEACHER FEEDBACK

“Wood Magic is a comprehensive, hands-on learning experience about one of our most important natural resources. Students have so much fun they do not even realize they are learning. It is very well thought out and organized! My parent chaperones said it was by far the best field trip they have ever attended!”

-Tina Peterson, Dorchester Academy

“We loved our visit to Wood Magic Forest Fair and look forward to our trip again next year. The information was presented creatively and kept the students engaged and entertained. Thank you for all of the work invested in making such a delightful and educational experience possible for our students”

-Laura Plourde, Southside Christian School



“WMFF is one of my favorite field trips because of the fun learning that takes place. Students in this area live among many who work in or with the forests, but they don’t understand the science behind those jobs. WMFF does a great job of teaching that.”

-Susan Smith, Tamasee Salem Elementary School

“I would like to thank you so much for the bag of materials that I received. I really appreciate all that you do for this program. On behalf of my students, I would also like to thank you for their bag of goodies especially the T-shirts. They loved them!”

-Fawn Pruitt, Lester Elementary School

“We had a wonderful time at the Fair. In fact, in all my 34 years of teaching this was my favorite field trip!! Thanks again for a wonderful, educational but fun day!!!”

-Melinda Whitfield, Tabernacle Christian School



PARTICIPATION

Each spring, every public and private school with a fourth grade that is registered with the State Board of Education is sent an invitation and application for the Wood Magic Forest Fair. Applications are scheduled during the summer on a first-come-first-served basis, with some consideration given to schools that have never attended, as well as previous records of attendance and participation.

PARTICIPATION FOR 2015

Location	Applications Received	Classes Applied	Classes Attending	Children Attending	Teachers & Other Adults	Total Participants
Piedmont	14	43	25	456	85	541
Harbison	35	87	0	0	0	0
Lynches River	12	32	15	348	77	425
TOTALS:	61	162	40	804	162	966

PARTICIPATION SINCE 1999

Location	Applications Received	Classes Attending	Children Attending	Teachers & Other Adults	Total Participants
Piedmont (2004-2010, 2012, 2014-15)	173	238	4,512	706	5,218
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, 2013-15)	1,330	608	11,138	2,246	13,384
Sewee (2000-2010, 2013)	487	363	7,321	1,449	8,770
Hobcaw (2012, 2014)	25	45	809	143	952
Lynches River (2015)	12	15	348	77	425
TOTALS:	2,252	1,382	26,414	5,058	31,472

*NOTE: In 2004 an improved system of taking applications only from schools, not individual teachers, began reducing the number of applications received. In 2010 applications were received for the Piedmont, Sewee and Harbison events, but only the Harbison event was held. In 2015 the Harbison event was canceled because of historic flooding in the midlands.



ATTENDING SCHOOLS

PIEDMONT FORESTRY CENTER

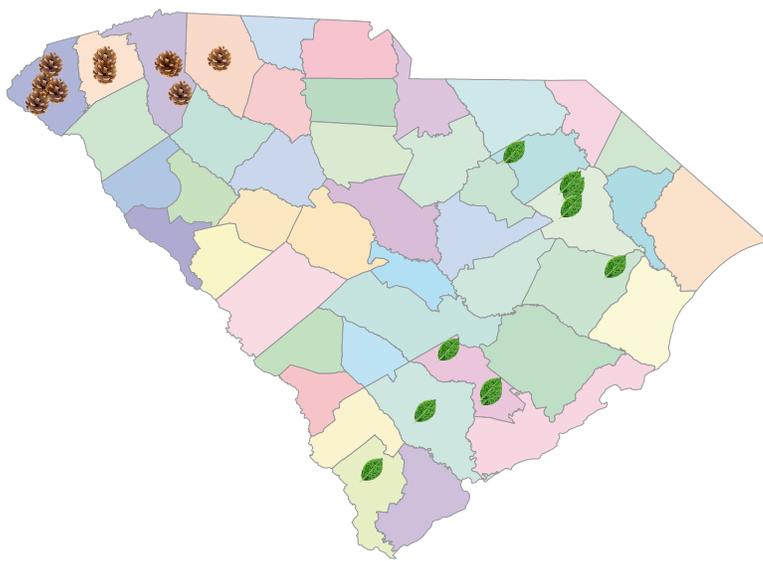
- A.R. Lewis Elementary..... Pickens
- Abundant Life Christian..... Greenville
- Arcadia Elementary Spartanburg
- New Haven Christian Walhalla
- Northside Elementary Seneca

- Orchard Park Elementary..... Westminster
- Pickens Elementary Pickens
- Southside Christian..... Simpsonville
- Tabernacle Christian..... Greenville
- Tamassee Salem Elementary Tamassee

LYNCHEs RIVER COUNTY PARK

- Carolina Elementary..... Hartsville
- Colleton Preparatory Walterboro
- Dorchester Academy St. George
- Lester Elementary Florence
- Montessori School of Florence..... Florence

- Pleasant Hill Elementary..... Hemingway
- Ridge Christian Summerville
- Savannah Grove Elementary Effingham
- Step of Faith Christian Ridgeland
- Summerville Catholic..... Summerville

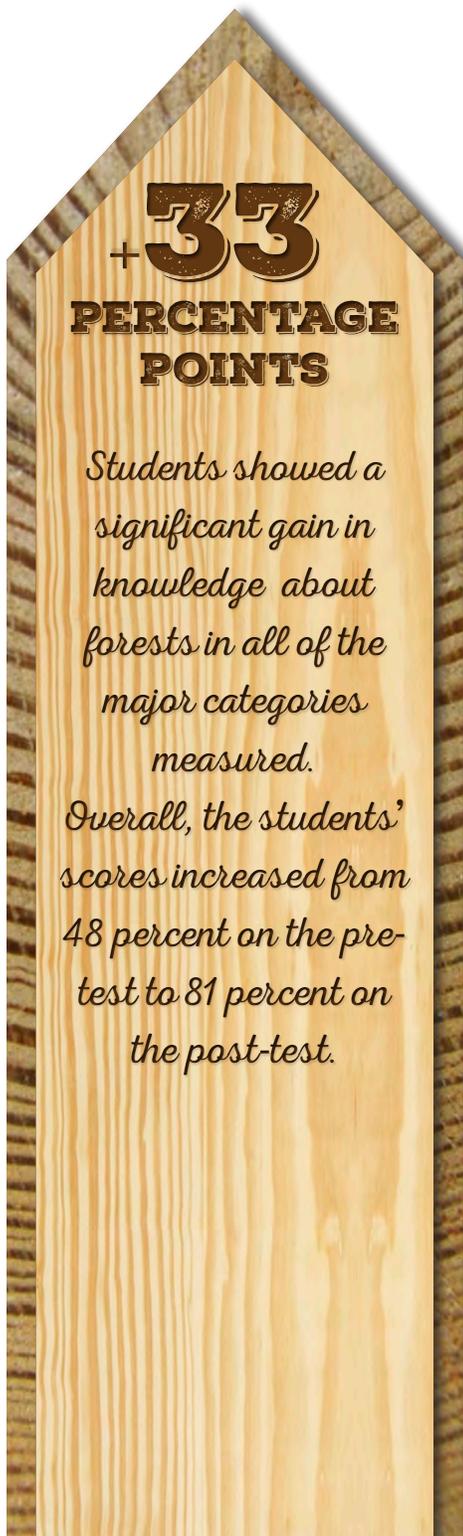


-  Schools attending Wood Magic at the Piedmont Forestry Center
-  Schools attending Wood Magic at Lynchess River County Park



KNOWLEDGE GAINED

Every year teachers are asked to administer a pre-test and a post-test for the children who attend Wood Magic. The following highlights of those test measures are a testament to the effectiveness of the program.



Before the program, only 45% of the students understood that the U.S. has more forests today than it did 100 years ago. 75% knew this to be the case afterward.

95% of the students now recognize that trees are a renewable natural resource.

Beforehand, only 31% of the students thought that using trees for the products we need is an environmentally friendly thing to do. After participating in this program, 77% now recognize the environmental benefits of forests and believe this to be true.

After attending the fair, 82% of the students were able to list a minimum of 10 items they use everyday that come from trees. Only 19% could do this task beforehand.

82% of the students now recognize that more trees are planted each year in South Carolina than are harvested.

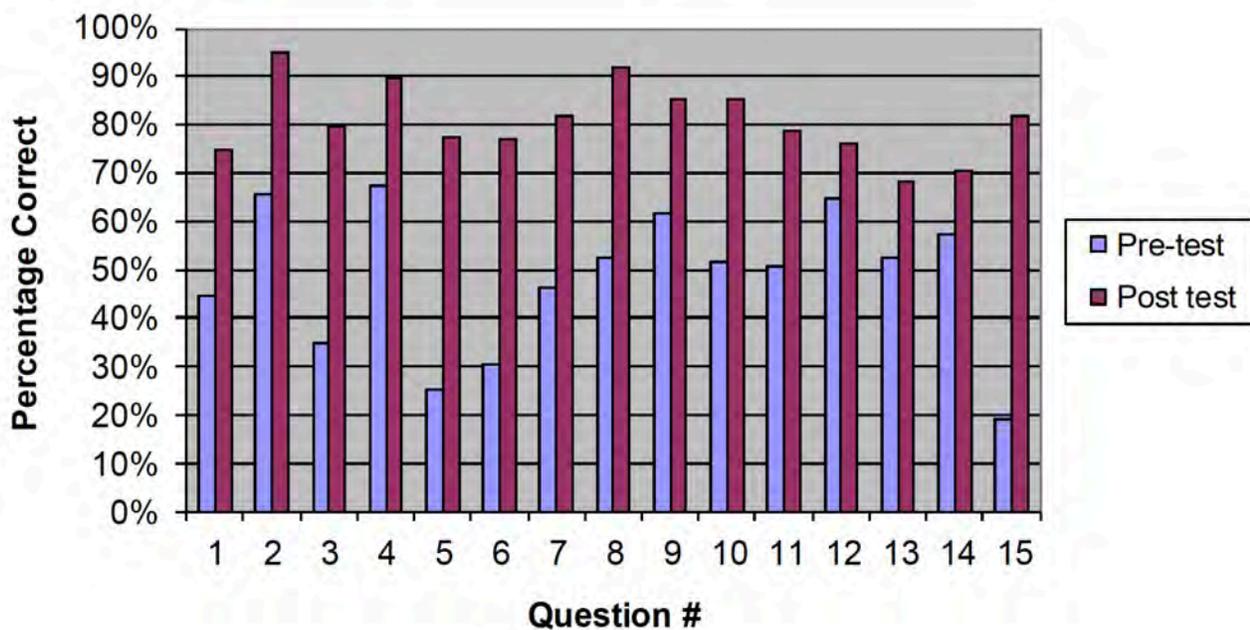
Before attending, 25% of the students thought that the major reason to recycle paper was to save landfill space. Afterward, 77% of the students recognized that the primary goals in recycling are to save landfill space and reduce waste.



TEST RESULTS

Question	Pre-Test	Post-Test	Emphasis Of Test Question
1	45%	75%	There are more forests today than 100 years ago.
2	66%	95%	Trees are a renewable natural resource.
3	35%	80%	Prescribed fire can be used to improve forests and wildlife habitat.
4	68%	89%	Every part of a log is used when brought into a sawmill. There is no waste.
5	25%	77%	The main reason to recycle paper is to save landfill space and reduce waste.
6	31%	77%	Growing and harvesting trees to make products for our everyday use is environmentally friendly.
7	46%	82%	In SC there are more trees planted than are harvested each year.
8	53%	92%	Forests clean the air and water we use.
9	62%	85%	Oil and gas are non-renewable natural resources.
10	52%	85%	Definition of: Natural Resources
11	51%	79%	Definition of: Renewable
12	65%	76%	Definition of: Non-Renewable
13	53%	68%	Definition of: Biodegradable
14	57%	70%	Definition of: Recycle
15	19%	82%	Student can list at least 10 items that they use daily that come from wood.

*671 student pre-test were measured against 466 post-test returned. This is equal to an 83% return of the pre-tests, and a 57% return of the post-tests.



BUDGET



INCOME

2014 Carry-over funds.....	\$15,082.38
2015 SC SFI Implementation Committee Funds	\$10,500.00
International Paper Foundation Grant	\$5,000.00
Georgia Pacific	\$1,000.00
SC Tree Farm Committee	\$500.00
South Carolina SAF	\$400.00
Total Income	\$32,482.38

EXPENSES

Tent/Chair/Table/Portable Toilet Rentals	\$4,280.04
Food.....	\$3,358.80
T-shirts	\$3,148.20
Travel/Lodging	\$459.85
Office supplies, Misc.	\$458.25
Postage/Mail Service	\$265.56
Total Expenses	\$11,970.70

BALANCE **\$20,511.68**

IN-KIND CONTRIBUTION **\$45,178.33**

Funds for the 2015 Wood Magic Forest Fair were provided through a grant from the International Paper Foundation as well as from the following organizations:





South Carolina's Wood Magic Forest Fair is jointly sponsored by the SC Forestry Association, SC Forestry Commission, and the Belle W. Baruch Foundation. 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
Belle W. Baruch Foundation
Blanchard Pioneer Machinery
Blue Ridge Electric Cooperative
Boise Cascade Wood Products
Bowater, Inc.
Canfor Southern Pine
Charles K. Doolittle
Clemson Extension Service
Clemson University
Clemson University Forestry Club
Collum's Lumber Products, LLC
Domtar Paper Company, LLC
Evergreen Packaging Corp.
Foothills Forest Products
Forest Investment Associates
Georgia-Pacific Corporation
Hancock Forest Management
Interfor-Georgetown Division
International Paper Company
Jordan Lumber & Supply, Inc.
Kapstone Charleston Kraft, LLC
Lexington Soil and Water Conservation District
Log Creek Timber
Lynches River County Park
Milliken Forestry Co., Inc
National Audubon Society
National Resource Conservation Service

National Wild Turkey Federation
Norbord Joanna
Norbord South Carolina
Norfolk Southern/Brosnan Forest
Plum Creek Timber Co., Inc.
Pollard Lumber, Inc.
ProCure, LLC
Resolute Augusta
Resolute Forest Products
Richardson, Bell, McLeod & Wetzel
Roy's Wood Products
Santee Cooper
SC Department of Corrections
SC Forestry Association
SC Forestry Commission
SC Master Naturalist Association
SC SFI State Implementation Committee
SC Timber Producer's Association
SC Tree Farm Committee
Simpson Lumber Co., LLC
Sonoco Products Company
Sonoco Recycling
Straka & Straka Consulting Foresters
Sustainable Forestry Initiative
USDA Forest Service
West Frazier, Inc.
Westrock
Weyerhaeuser, Co.
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The success of South Carolina’s Wood Magic Forest Fair can be attributed to the dedication, technical competence and hard work of the 87 volunteers:

- | | |
|--|--|
| Philip Arnold.....International Paper | David JenkinsSCFC |
| David Bagwell.....SCFC | Michelle Johnson.....SCFC |
| Brad Bailey.....Canfor Southern Pine | Jaime JonesSCFC |
| Jon Barker.....SCFC | Brad Jones.....SCFC |
| Ryan Bean.....Clemson University | Stephanie KolokSCFC |
| Chisolm BeckhamSCFC | Matt KrawiecDomtar Paper Company LLC |
| Paul BlessingSCFC | Jacob Lazarus.....Clemson Forestry Club |
| Judi Blessing.....SCFC | Terasa Lott.....Clemson Extension |
| Roy BoydSCFC | TJ Lyell.....SCFC |
| Mike BozzoSCFC | Denny MatthewsSCFC |
| Jarrold Brucke.....SCFC | Ricky McDonaldCanfor Southern Pine |
| Wes BrunsonSCFC | John McGeeSCFC |
| John Bryan.....Clemson Forestry Club | Michael McGillSCFC |
| Jonathan Calore.....SCFC | Kody McNeil.....SCFC |
| Jonathan CantrellClemson Forestry Club | Sharon Miller.....retired |
| Isaac CaseSCFC | Doug Mills.....SCFC |
| Ray CassellSCFC | Darlas Moore.....Clemson University |
| John CordrayClemson Forestry Club | Trent Moore.....Interfor-Georgetown Division |
| Trey CoxSCFC | Steve Moore.....SCFC |
| Catherine Cox | Jess NevilleUSFS |
| John EargleResolute Forest Products | Makayla NewellLRCP |
| Chet FoyleSCFC | Brandon Newell.....LRCP |
| Anita Fredman.....Master Naturalist | Mike NeySCFC |
| Nathan Gambrell.....SCFC | Chris OsborneInternational Paper |
| Matt GilstrapSCFC | David Owen.....SCFC |
| Phillip Grant.....International Paper | Ronnie PattersonSCFC |
| James HallSCFC | Dan Pernell.....Kapstone |
| Bill Hayne.....International Paper | Mary PernellPernell’s Taxidermy |
| Gary Hermann.....retired | Jamie Pinckard.....USFS |
| Deidra Holt.....International Paper | Michael RushtonNorbord SC |
| Ron Holt.....SCFC | Guy SabiinSCFA |
| Justin HoltSCFC | T.J. Savereno.....Clemson Extension |
| Russell HubrightSCFC | Jacob Schimpf.....SCFC |

Matt Schnabel.....	SCFC	Janine Sutter.....	Clemson University
Hannah Schweinert		Daniel Thomas	Clemson Forestry Club
Carly Smith	Clemson Extension	Trey Trickett.....	Clemson Forestry Club
Eric Smith.....	KapStone Charleston Kraft	Faith Truesdale	Florence Extension
Jamie Smith	SCFC	Richard Warner	
Jim Spearman	Master Naturalist	April Warner	
Mildred Spearman	Master Naturalist	Michael Weeks	SCFC
Vaughan Spearman.....	SCFC	Patricia Whitener	Clemson University
Pat Straka.....	Straka and Straka Consulting	Danny Whitner.....	Canfor Southern Pine
	Foresters	Allie Winter.....	Clemson Extension
BJ Sturgeon.....	SCFC	Doug Wood	SCFC

CONTRIBUTIONS OF PERSONNEL

Contributor	# Personnel	% Personnel	# Man Hours	% Man Hours
SC Forestry Commission	42	48%	1,168	68%
Federal Government	2	2%	28	2%
Other Government Agencies	9	10%	116	7%
Private Sector	17	20%	170	10%
Volunteers	17	20%	221	13%
TOTALS:	87	100%	1,703	100%

STEERING COMMITTEE

The Wood Magic Forest Fair Steering Committee is made up of volunteers from the forest industry, state and federal agencies, and private foundations who help oversee and organize the program.

John Barlow.....	Plum Creek	Stephanie Kolok	SCFC
Ryan Bean.....	Clemson Extension	Amy Overstreet	USDA NRCS
Sabrenna Bryan	USDA NRCS	Jay Phillips.....	Resource Management
George Chastain.....	Belle Baruch Foundation		Service
Jannah Dupre	USDA Forest Service	Stephen Pohlman	Clemson Extension
Russell Hubright	SCFC	Michael Rushton	Norbord SC
Crad Jaynes.....	SC Timber	Guy Sabin	SCFA
	Producers Association	Eric Smith.....	KapStone Charleston Kraft

