

2009

WOOD MAGIC

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 24,700 participants in the 10 years since it began. Demand for the program has always exceeded the capacity each year since its inception.

The Wood Magic Forest Fair has expanded to include 3 locations throughout the state annually; the Piedmont Forestry Center in the upstate, Harbison State Forest in the midlands, and the Sewee Visitors Center on the coast. Programs have also been held at Clemson University's Botanical Gardens and S.C. State University's Camp Daniels, 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 200 volunteers from the forestry community come together each year to make this natural resource program successful.

NUMBER OF PARTICIPANTS

Each Spring every public and private school in South Carolina with a 4th grade class 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 2009 school year participation

Location	#Applications Received	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Piedmont	16	25	469	91	560
Harbison	41	40	693	147	840
Sewee	15	27	562	124	686
Totals	72	92	1,724	362	2,086

Here are the statistics for the past 10 years of Wood Magic:

Cumulative Totals (10 years of Wood Magic)

Location	#Applications Received*	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Piedmont (2004-2009)	120	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 (1999-2009)	1,105	440	8,356	1,695	10,051
Sewee (2000-2009)	463	348	6,984	1,392	8,376
Totals (Since 1999)	1,913	1,071	20,738	4,014	24,752

****NOTE: IN 2004 AN IMPROVED SYSTEM OF TAKING APPLICATIONS ONLY FROM SCHOOLS, NOT INDIVIDUAL TEACHERS, BEGAN REDUCING THE NUMBER OF APPLICATIONS THAT WERE RECEIVED.***

SCHOOLS

PIEDMONT FORESTRY CENTER

<u>SCHOOL</u>	<u>CITY</u>
A. R. Lewis Elementary	Pickens
Abundant Life Christian	Greenville
Cherokee Trail Elementary	Donalds
Diamond Hill Elementary	Abbeville
Mount Zion Christian	Greenville
Northside Elementary	Seneca
Pelham Road Elementary	Greenville
Shannon Forest Christian	Greenville
Southside Christian	Simpsonville
Saint Joseph Catholic	Anderson
Tamassee-Salem Elementary	Tamassee

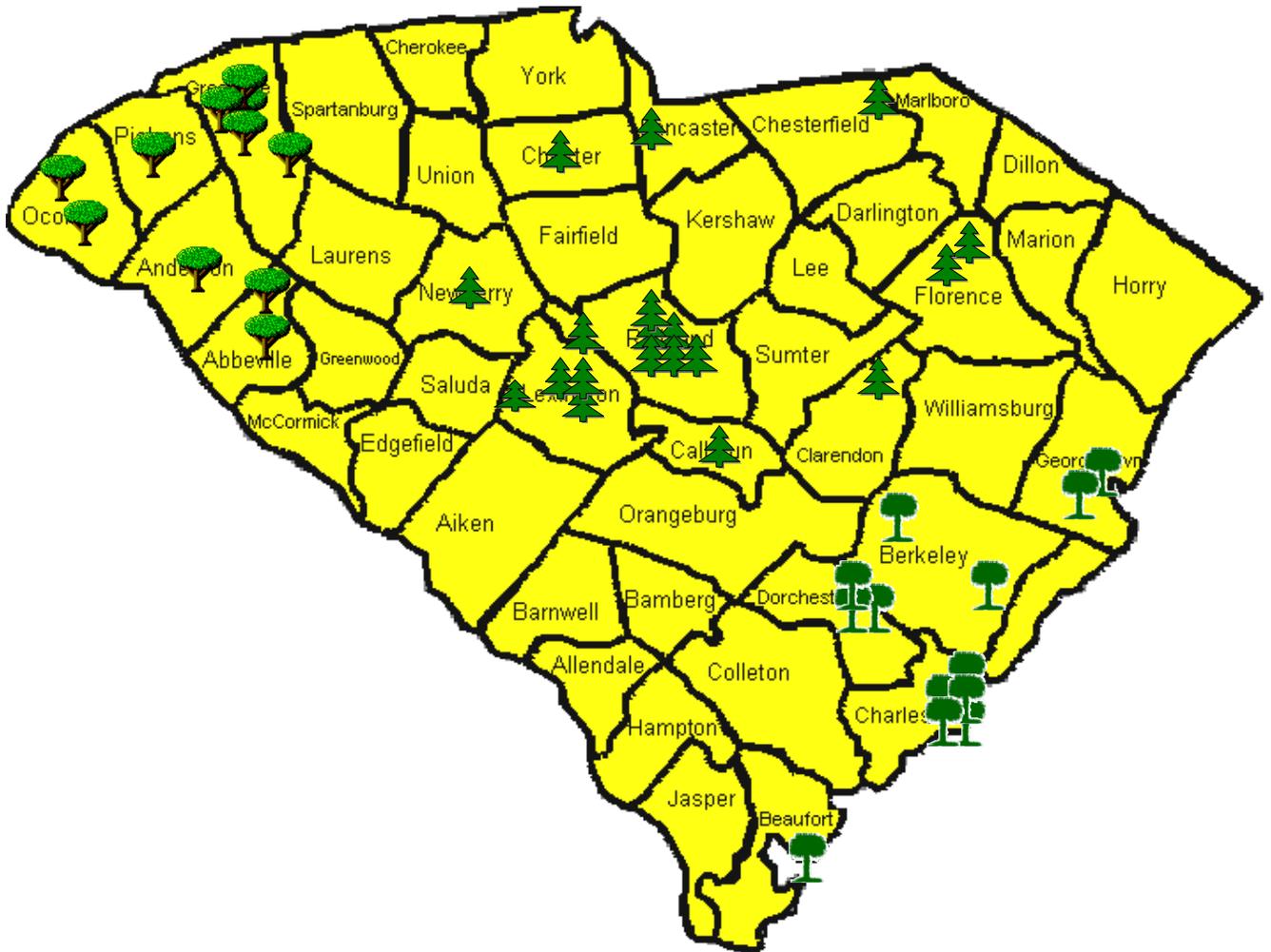
HARBISON STATE FOREST

<u>SCHOOL</u>	<u>CITY</u>
Calhoun Academy	St. Matthews
Carolina School for Inquiry	Columbia
Children's Attention Home Charter	Rock Hill
Columbia Jewish Day School	Columbia
Covenant Christian	Columbia
Erwin Elementary	Lancaster
Faith Christian	Cheraw
Grace Christian	West Columbia
Heathwood Hall	Columbia
Herald 5 Home School	Irmo
Heritage Christian	Lexington
King Academy	Batesburg
Montessori School of Florence	Florence
Newberry Academy	Newberry
Pomaria-Garmany Elementary	Pomaria
Springdale Elementary	West Columbia
Saint John Neumann Catholic	Columbia
T. Lester Elementary	Florence
Walker-Gamble Elementary	New Zion
Word and Spirit Christian	Chester

SEWEE VISITORS CENTER

<u>SCHOOL</u>	<u>CITY</u>
Ashley Hall	Charleston
Belle Hall Elementary	Mount Pleasant
Bonner Elementary	Moncks Corner
Brown's Ferry Elementary	Georgetown
Cainhoy Elementary	Huger
Coastal Christian Preparatory	Mount Pleasant
First Baptist Church School	Charleston
McDonald Elementary	Georgetown
Nativity	Charleston
Oaks Christian	Summerville
Ridge Christian Academy	Summerville
Saint Peter's Catholic	Beaufort
Summerville Catholic	Summerville

SCHOOL LOCATION MAP



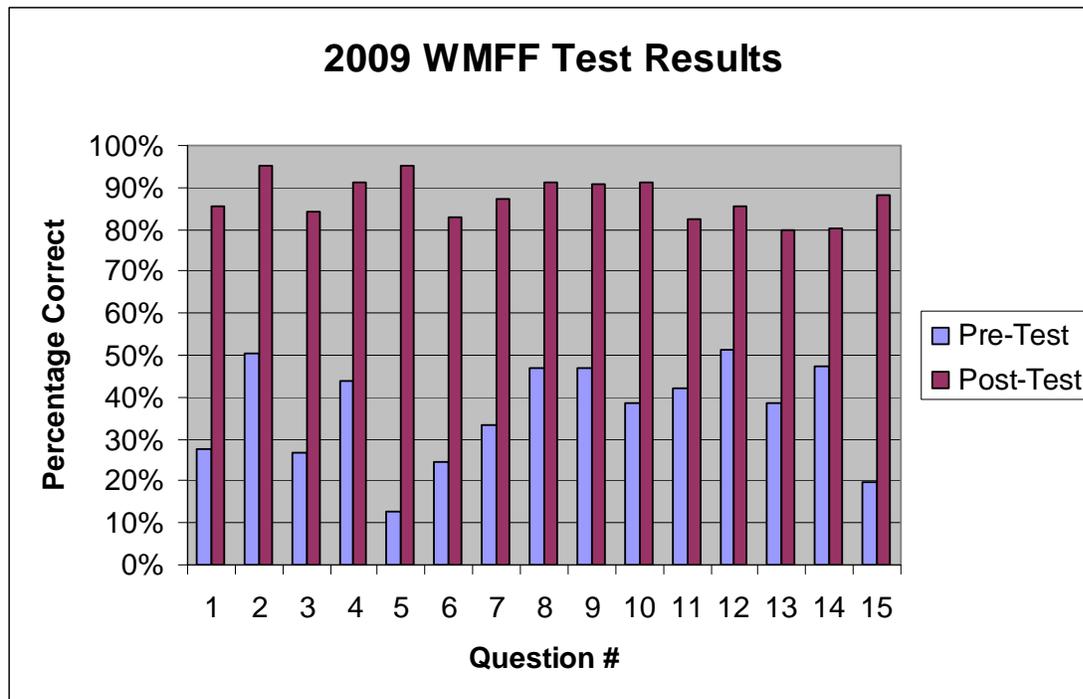
-  **Piedmont Forestry Center (11 Schools, 25 classes, 560 participants)**
-  **Harbison State Forest (20 Schools, 40 classes, 840 participants)**
-  **Sewee Visitors Center (13 Schools, 27 classes, 686 participants)**

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 28% of the students understood that the U.S. has more forests today than it did 100 years ago. After the program 85% 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, 13% of the students thought that the major reason to recycle paper was to "save trees". Afterward, 95% of the students recognized that the primary goals in recycling are to save landfill space and reduce waste.
- ★ 87% of the students now recognize that more trees are planted each year in South Carolina than are harvested.
- ★ Before coming to Wood Magic, only 25% of the students thought that using trees for the products we need is an environmentally friendly thing to do. After participating in this program, 83% now recognize the environmental benefits of forests and believe that this to be true.
- ★ After attending Wood Magic, 88% of the students were able to list a minimum of 10 items that they use everyday that come from trees. Many students could actually name 20 to 50 items. Before attending Wood Magic, only 20% 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 37% on the pre-test to 87% 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	28%	85%	There are more forests today than 100 years ago.
2	51%	95%	Trees are a renewable natural resource.
3	27%	84%	Prescribed fire can be used to improve forests and wildlife habitat.
4	44%	91%	Every part of a log is used when brought into a sawmill. There is no waste.
5	13%	95%	The main reason to recycle paper is to save landfill space and reduce waste.
6	25%	83%	Growing and harvesting trees to make products for our everyday use is environmentally friendly.
7	33%	87%	In SC there are more trees planted than are harvested each year.
8	47%	91%	Forests clean the air and water we use.
9	47%	91%	Oil and gas are non-renewable natural resources.
10	38%	91%	Definition for: Natural Resources
11	42%	83%	Renewable
12	51%	86%	Non-renewable
13	39%	80%	Biodegradable
14	47%	80%	Recycle
15	20%	88%	Student can list at least 10 items that they use daily that come from wood.

*1332 student pre-test were measured against 1038 post-test returned. This is equal to a 77% return of the pre-tests, and a 60% return of the post-tests.

PARTICIPANT COMMENTS

We receive hundreds of 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

“My students said this is the best field trip they have ever been on, and I agree.”

“Well organized meaningful lessons that helped address science standards as well as teaching our students the benefits of our trees and our responsibilities to our environment.”

“Our students and parents are so impressed with this field trip.”

“One of my students who goes to a resource teacher for help learning made a 100 on the post-test—on his own! That demonstrated the excellent job the presenters did in sharing information on the kids level.”

“When I asked the students their favorite part, their response was, ‘Everything’.”

“Your program is excellent! I have told everyone about it. The guides and presenters at each site were knowledgeable and held the attention of the children. I will definitely apply for next year.”

“The students do NOT want to throw away paper now, so we added a recycle box in the room!”

“It was a wonderful day full of learning through experience.”

“Being able to offer our students a field trip that is free for them is remarkable in these hard economic times. We were so glad to have the opportunity to take part.”

“We felt welcomed. The staff was so animated and excited. Everyone was helpful and respectful. The atmosphere was relaxed and yet structured.”

“It’s wonderful. Do not change what you are doing. Thanks so much.”

“I loved how well run the program is. No time was wasted and there is no down time.”

BUDGET

INCOME

2009 SC SFI Implementation Committee funds	\$8,000.00
2008 SC SFI Carry-over funds	\$3,401.00
2009 SCFC Forest Stewardship Funds	\$10,000.00
2008 SCFC Stewardship Funds Carry-over	\$2,265.95
S.C. Tree Farm Committee	\$500.00
USDA-Forest Service (bags)	\$1,017.00
Sewee Association, Inc. (tents)	\$922.95
<u>Lowcountry RC&D Youth Education Grant</u>	<u>\$1,000.00</u>
Total Income	\$27,106.90

EXPENSES

Food	\$6,213.76
Lodging, travel	\$4,748.44
Tent & Portajon Rentals	\$ 4,136.49
Instructional materials, station supplies, bags	\$1,692.02
Office supplies, Misc.	\$1,035.44
Shirts (for participants, instructors)	<u>\$3,048.43</u>
Total Expenses	\$20,874.58

BALANCE **\$6,232.32**

***In-Kind Contribution** **\$85,410.66**

*See sponsor page for a list of contributors.

2009 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. Contact one of the following for first-hand information about the Wood Magic or to volunteer your participation and help.

<u>Name</u>	<u>Organization</u>
Tommy Adkins	AbitibiBowater, Incorporated
Becky Ashley	USDA Forest Service
Gwen Beavans	USDA Forest Service
Tom Brant	Clemson Extension
Rick Cain	Georgia-Pacific
Janna Dupree	USDA Forest Service
Bethel Durant	Natural Resources Conservation Service
Jane Hiller	Paper Stock Dealers
Russell Hubright	SC Forestry Commission
John Jamison	Walter, Hunter & Associates
Crad Jaynes	SC Timber Producers Association
Sandy Jennings	SC Forestry Association
Stephanie Kolok	SC Forestry Commission
Lynn Leclair	SC Forestry Commission
Greg Lucas	SC Department of Natural Resources
Jay Phillips	Resource Management Services
Scott Phillips	SC Forestry Commission
Stephen Pohlman	Clemson Extension
Jerry Shrum	SC Forestry Commission

WOOD MAGIC STAFF

The success of South Carolina's Wood Magic Forest Fair can be attributed to the dedication and technical competence of nearly 200 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:

First Name	Last Name	Organization Name
Tommy	Adkins	AbitibiBowater, Inc.
Alan	Alexander	SCFC-retired
Robin	Altman	International Paper
Becky	Ashley	USDA Forest Service
Calvin	Bailey	SCFC
Bruce	Ballentine	SCFC
Jon	Barker	SCFC
John	Barlow	Plum Creek Timber
Jennifer	Bausman	Clemson University
David	Beard	International Paper
Marcus	Beasley	USDA Forest Service
Gwen	Beavans	USDA Forest Service
Kate	Bell	SeWee Visitor Center
Plinio	Beres	USDA Forest Service
Julie	Binz	Sewee Association
Jay	Bishop	Clemson
Casey	Blackmon	Clarendon Soil and Water Conservation District
Robin	Blakely	USDA Forest Service
Jim	Bland	International Paper
Paul	Blessing	SCFC
Roy	Boyd	SCFC
Mike	Bozzo	SCFC
Brad	Bramlett	SCFC
Tom	Brant	Clemson Extension
Jason	Brew	USDA Forest Service
Vikki	Brock	Foothills Forest Products
Wesley	Brunson	Clemson Forestry Club
Kylie	Burdette	Clemson Forestry Club
Mandy	Burge	SCFC
Michelle	Burnette	USDA Forest Service
Skip	Burnette	SCFC
Rick	Cain	Georgia-Pacific
Jonathan	Calore	SCFC
Richard	Camlin	Belle W. Baruch Foundation
Brent	Carey	Belle W. Baruch Foundation
Drake	Carroll	SCFC
Jeff	Carson	Collum's Lumber Products
Isaac	Case	SCFC
Bill	Catoe	SCFC
Jason	Caudill	Clemson Extension

First Name	Last Name	Organization Name
George	Chastain	Belle W. Baruch Foundation
Kevin	Clemons	USDA Forest Service
Matt	Conner	SCFC
Steven	Cooper	USDA Forest Service
Ben	Copeland	Collum's Lumber Products
Doug	Costin	International Paper
Trey	Cox	SCFC
Matt	Crow	SCFC
Diane	Curlee	Orangeburg Soil &Water Conservation District
Scott	Danskin	SCFC
William	Denig	Sewee Visitor Center
James	Douglas	SCFC
Jason	Duck	SCFC
Allison	Eaddy	Clarendon Soil and Water Conservation District
Lois	Edwards	SCFC
Jeff	Fellers	Clemson Extension
Joel	Feltman	Clemson Forestry Club
Ron	Ferguson	SCFC - Retired
Trey	Fleming	Clarendon Soil and Water Conservation
Linda	Floyd	SCFC-Retired
Martina	Flynn	Master Naturalist program
Chase	Folk	SCFC
Caroline	Forney	USDA Forest Service
Rusty	Forte	USDA Forest Service
Joyce	Foster	USDA Forest Service
Bob	Franklin	Clemson Extension
Gloria	Freeman	SCFC
Jordan	Gable	Clemson Forestry Club
Lorine	Gaskins	Sewee Visitors Center
Katie	Giacalone	Carolina Clear - Clemson
Nelson	Gonzalez	USDA Forest Service
Chris	Gordy	Norbord SC
Phillip	Grant	International Paper
Valerie	Green	Clarendon Soil and Water Conservation District
Lorraine	Green	Foothills Forest Products
Lynn	Greenway	Foothills Forest Products

First Name	Last Name	Organization Name
Alivia	Gunter	Lexington Soil & Water Conservation District
Bill	Hammond	USDA Forest Service
Shannon	Hammond	USDA Forest Service
Kyle	Harper	Clemson Forestry Club
Chuck	Harrell	Resource Management Service
Lisa	Hart	SCFC
Scott	Hawkins	SCFC
Bill	Hayne	International Paper
Cory	Heaton	Clemson Extension
Jackie	Heuermann	DNR
Howard	Hiller	Clemson Extension
Jane	Hiller	Sonoco Recycling
Ronnie	Hinson	AbitibiBowater, Inc.
Matthew	Hoffman	International Paper
Chris	Holcomb	USDA Forest Service
Geoff	Holden	USDA Forest Service
Jamey	Hollis	AbitibiBowater, Inc.
Ron	Holt	SCFC
Deidra	Holt	International Paper
Lin	Houck	Collum's Lumber Products
Clay	Howard	SCFC
Russell	Hubright	SCFC
Gwyn	Ingram	USDA Forest Service
Vicki	Irick	SCFC
Willie	Irving	USDA Forest Service
John	Jamison	Walker Hunter and Associates
Michelle	Johnson	SCFC
Janis	Johnston	CRNWR
Jaime	Jones	SCFC
Darryl	Jones	SCFC
Robert	Jones	SCFC
Dave	Joyner	Clemson Extension
Ched	Kearse	Kearse Manufacturing
Jamie	Keller	Clemson Extension
Debbie	Kiser	SCFC
Stephanie	Kolok	SCFC
Liene	Kukainis	USDA Forest Service
Ken	Leach	International Paper
Lynn	Leclair	SCFC
Nancy	Lee	SCFC
Beth	LeMaster	USDA Forest Service
Greg	Lucas	DNR
Tricia	Lynch	US Fish & Wildlife Service
Whitfield	Marshall	Clemson Forestry Club
John	Martin	MeadWestvaco
Dorthea	Maxwell	USDA Forest Service
Meg	McElveen	USDA Forest Service
Michael	McGill	SCFC

First Name	Last Name	Organization Name
Ken	McInnis	SCFC
Dwight	McPherson	AbitibiBowater, Inc.
Erin	Menchhofer	Carolina Clear - Clemson
Sharon	Miller	Tri-dent Tech. - retired
Reba	Miller	volunteer
Trip	Miller	SCFC
Neal	Mills	AbitibiBowater
Mary	Morrison	USDA Forest Service
Leon	Murph	Sonoco
Mary	Nevins	Clemson Extension
Steve	Newman	MeadWestvaco
Herb	Nicholson	SCFC
Kenny	Nobles	International Paper
Chris	Osborne	International Paper
David	Owen	SCFC
Clinton	Padgett	Clemson Forestry Club
Stephen	Patterson	SCFC
Scott	Pellum	Kapstone Charleston Kraft
Jay	Phillips	Resource Management Service
Stephen	Pohlman	Clemson Extension
Margurite	Porter	Clemson Extension
Ben	Powell	Clemson Extension
Rusty	Purdy	Collum's Lumber Products
Owen	Reed	USDA Forest Service
Lydia	Reid	SCFC
Jeff	Riggin	SCFC
Amanda	Roberts	Lancaster Soil & Water Conservation District
Travis	Roberts	USDA Forest Service
Ben	Robeson	Pollard Lumber Co
Don	Robinson	SCFC-retired
Michael	Rushton	Norbord SC
Molly	Sanford	SCFC
TJ	Savereno	Clemson University
Matt	Schnabel	Saluda Shoals Park
Bob	Schowalter	SCFC - retired
Cameron	Seals	USDA Forest Service
Bobo	Seckinger	Collum's Lumber Products
Glenn	Sheenan	Hancock Forest Mgt.
Jerry	Shrum	SCFC
Alex	Singleton	MeadWestvaco
Kyle	Smith	USDA Forest Service
Wayne	Smith	Resource Management Service
Eric	Smith	Kapstone Charleston Kraft
Kathleen	Soza	SC Native Plant Society
Vaughan	Spearman	SCFC
Daniel	Spears	SCFC
Sam	St. Louis	SCFC
Chuck	Stanford	International Paper

First Name	Last Name	Organization Name
Jawana	Stephens	USDA Forest Service
Pat	Straka	Straka and Straka Consulting Foresters
Lisa	Stribble	SCFC
Frank	Suber	Clendenin Lumber Company
Joy	Sullivan	DNR
Jay	Swafford	USFS
Karen	Terry	Tri-County-Tech
Marshall	Thompson	AbitibiBowater
Sally	Tucker	Milliken Forestry Co
Gray	Vallentine	SCFC

First Name	Last Name	Organization Name
Gale	Van Cleave	Sewee Visitor Center
Melissa	Volentine	Horry Georgetown Tech
Susu	Wallace	volunteer
Jimmy	Walters	SCFC
Morris	Warner	Clemson Extension
Michael	Weeks	SCFC
Holly	Welch	SCFC
David	West	SCFC
Maxine	Weston	USDA Forest Service
Bill	Wiley	SCFC
Rick	Willey	Clemson University
Michelle	Wren	USDA Forest Service

VOLUNTEER PERSONNEL IN 2009 BY CONTRIBUTORS

CONTRIBUTOR	# Personnel	% of Personnel	# of man hours	% of Man hours
SCFC	56	29%	2,172.5	58%
Industry	47	24%	467.5	12%
USDA-Forest Service & FWS	34	18%	451.25	12%
Others (Clemson, DNR, etc)	56	29%	676.5	18%
Totals	193	100%	3,767.5	100%

Thanks to the many volunteers in the forestry community that rallied around this year's Wood Magic Forest Fair program to make it successful and sustainable. The above numbers reflect the dedication and commitment of the forest community to support this unique natural resource program.

Thanks to the 193 volunteers and the more than 75 sponsors who made the 2009 Wood Magic Forest Fair program a great success!

SPONSORS

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

AbitibiBowater, Incorporated
Advance Land and Timber, LLC
AgSouth Farm Credit
American Forest Management
Awendaw Fire Department
Belle W. Baruch Foundation
Bishop Forest Products, Inc.
Blue Ridge Electric Coop.
Boone's Creek Lumber
Campbell Timberland Mgt.
Charles K. Doolittle, Inc.
Cherokee Kenworth, Inc.
Clendenin Lumber
Clemson University
Clemson Extension Service
Clemson Forestry Club
Clarendon Soil and Water Conservation District
Coastal Lumber
Collum's Lumber Products, LLC
Dwight L. Stewart, Jr. & Associates
Domino's Pizza
Foothills Forest Products
Forest Investment Associates
Georgia-Pacific Corporation
Hancock Forest Management
Horry-Georgetown Tech
Hughes Motor Co.
Ingram Lumber Co.
International Paper Company
Johney L. Haralson
Jordan Lumber & Supply, Inc.
Kapstone Charleston Kraft
Kearse Manufacturing
Lexington Soil & Water Conservation District
Low Country Forest Products
Lupold Consulting
Master Naturalist program
MeadWestvaco Corp.

Michael S. Meetze
Miller Logging
Milliken Forestry Company
Mt. Bethel Logging, Inc.
National Audubon Society
New South Lumber Co., Inc.
Norbord South Carolina
Orangeburg Soil & Water Conservation District
Paper Stock Dealers, Inc.
Pioneer Machinery
Plum Creek Timber Company, Inc.
Pollard Lumber, Inc.
Resource Management Service, LLC
Roy's Wood Products
Saluda Shoals Park
Sampit Lumber Mill
Santee Cooper
Sewee Association, Inc
Sewee Visitors Center
SC Dept. of Natural Resources
SCFC Forest Stewardship Program
SC SFI Implementation Committee
SC Native Plant Society
SC Timber Producers' Association
SC Tree Farm Committee
Shealy's Truck Center
Society of American Foresters
Sonoco Products Company
Smurfit-Stone Container Corp.
Straka and Straka Consulting Foresters
Sun Machinery Company
Tri-County-Tech
Triple R Company, Inc.
University of South Carolina
US Fish & Wildlife Service
Walker Hunter and Associates
Weyerhaeuser
Winyah Wildlife & Woodland

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**S.C. Forestry Commission
Forest Stewardship Program**

**Lowcountry RC&D Youth Environmental
Education Grant Program**



**S.C. Sustainable Forestry
Initiative Implementation Committee**

Sewee Association, Inc.,



USDA – Forest Service

S.C. Tree Farm Committee