



South Carolina's

WOOD MAGIC

Forest Fair

2006 ANNUAL REPORT



www.state.sc.us/forest/wmfair.htm

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 hands-on activities led by forestry professionals from numerous organizations. For an explanation of each of the 6 learning stations, go to the Wood Magic web site at:

<http://www.state.sc.us/forest/wmfair.htm>



HISTORY OF THE WOOD MAGIC FOREST FAIR

Patterned after a program developed at Mississippi State University, SC's Wood Magic Forest Fair was first held October 18-22, 1999 at Harbison State Forest in Columbia. During Fall 2000, an additional week was conducted at the Sewee Visitors Center near Charleston. Four weeks were held during the 2001- 2002 school year, with one week held at SC State's Camp Daniels in March. During the fall of 2002, three weeks were held – one each at Clemson University, Harbison State Forest, and Sewee Visitors Center. In 2003, Fairs were conducted at Harbison and Sewee during the fall with in-school programs conducted in the Upstate. An event was held at the Piedmont Forestry Center for the first time in 2004 in addition to the Harbison and Sewee Wood Magic Forest Fairs. In 2005, Fairs were conducted at Harbison and Sewee during the fall, and one conducted in the spring of 2006 due to Hurricane Katrina. In the fall of 2006, Fairs were conducted at the Piedmont Forestry Center, Harbison, and Sewee.

NUMBER OF PARTICIPANTS

Fall 2006 School Year

Location	#Applications Received	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Piedmont	16	30	563	75	638
Harbison	52	38	673	106	779
Sewee	20	35	664	105	769
Totals	88	103	1900	286	2186

Here are the statistics for the past 8 years of Wood Magic:



Cumulative Totals (8 years of Wood Magic)

Location	#Applications Received*	#Classes Attending	#Children Attending	#Teachers & Other Adults	Total # of Participants
Piedmont (2004-2005)	68	87	1585	258	1843
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 (1999-2005)	961	329	6,322	1265	7,587
Sewee (2000-2005)	395	241	5,066	945	6,011
Totals (Since 1999)	1,649	770	15,259	2,905	18,164

NOTE: IN 2004 A NEW SYSTEM OF TAKING APPLICATIONS ONLY FROM SCHOOLS, NOT INDIVIDUAL TEACHERS, BEGAN - REDUCING THE NUMBER OF APPLICATIONS THAT WERE RECEIVED.

KNOWLEDGE GAINED

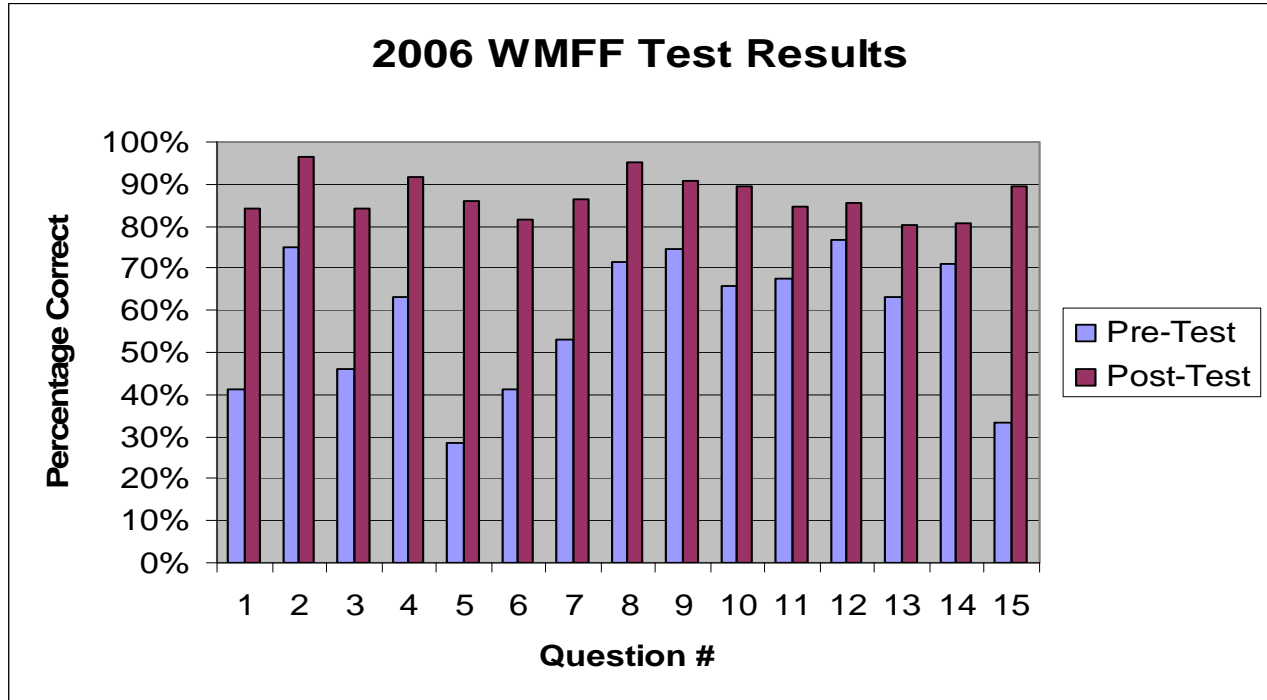


South Carolina's Wood Magic Forest Fair is a comprehensive environmental education program that is correlated to state curriculum standards in science and language arts. To help measure the effectiveness of this program, teachers were asked to administer a pre-test to the students before they attended 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 41% of the students understood that the U.S. has more forests today than it did 100 years ago. After the program 84% of the students knew this to be true.
- ★ 96% of the students now recognize that trees are a renewable natural resource.
- ★ Before they attended the WMFF program, 71% of the students thought that the major reason to recycle paper was to "save trees". Afterward, 86% 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 41% 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 forest and believe that this to be true.
- ★ After attending Wood Magic, 90% 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 33% 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 58% 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	41%	84%	There are more forests today than 100 years ago.
2	75%	96%	Trees are a renewable natural resource.
3	46%	84%	Prescribed fire can be used to improve forests and wildlife habitat.
4	63%	92%	Every part of a log is used when brought into a sawmill.
5	29%	86%	The main reason to recycle paper is to save landfill space and reduce waste.
6	41%	82%	Using trees to make products is environmentally friendly.
7	53%	87%	In SC there are more trees planted than harvested each year.
8	72%	95%	Forests clean the air and water we use.
9	74%	91%	Oil and gas are non-renewable natural resources.
10	66%	90%	Definition for: Natural Resources
11	67%	85%	Renewable
12	77%	86%	Non-renewable
13	63%	80%	Biodegradable
14	71%	81%	Recycle
15	33%	90%	Student can list at least 10 items that they use daily that come from wood.

***1578 student pre-tests were measured against 1143 post-tests returned. This is equal to a 72% return on the survey.**

PARTICIPANT COMMENTS

STUDENTS

“One thing I learned was that they really used the sawdust, too! Whenever I look at trees I’ll always remember the Wood Magic Forest Fair. Thanks for the nice bag. I like to wear the T-shirt. I hope to come back one day.”

“Thank you for letting our class come. I learned that it takes twenty-five trees to make an average house. I also learned you plant five trees for every tree you cut down. You taught me a lot of things about trees. Thank you for everything in my bag. My mom thanks you, too.”

“Thank you for all of the fun activities. They were great. It was my favorite field trip ever.”

“The program was terrific! I never stopped talking about it when I got out of class. From the description I told my parents and my friends, they were there with me, too.”



TEACHERS

“My students are still bubbling over with excitement about their wonderful experience at the WMFF. They love sharing all they learned about trees & forestry. The program fit so well into our ‘Education Beyond the Classroom’ theme that I hope we can make it an annual event.”

“This is such a well-planned field study program. It continues to amaze me how well organized this program is. The information, educational level, and volunteers make this program wonderful.”

PARENTS

“Please accept my congratulations on presenting an educational and entertaining experience for my nine-year-old twins. Both children enjoyed their field trip. They learned important lessons in the conservation of natural resources. These lessons were conveyed effectively and professionally by the many people whom you organized. I was especially impressed by the age-appropriate level of seminars and by the patience exhibited by your personnel (I’m sure that they do not normally deal with children in their jobs). The magic exhibition and the paper recycling seminar in particular conveyed the themes of recycle, reuse and reduce waste of natural resources. I am happy to praise your fine efforts in educating the school children of South Carolina. Keep up the good work!”

BUDGET

EXPENSES

Food	\$5,685.74
Lodging, travel	\$8,770.13
Tent & Portajon Rental	\$6,448.00
Instructional materials, station Supplies, bags	\$2161.06
Postage	\$119.50
Office supplies, Misc.	\$996.51
Shirts (for participants, instructors)	<u>\$9,512.94</u>
Total Expenses	\$33,693.88

INCOME

SC Forestry Association – SFI funds (including 2005 carry-over funds)	\$13,331.80
IP Foundation Grant	\$3,800.00
Wal-Mart Grant	\$1,000.00
Forest Stewardship Funds	\$12,500.50
Sewee Association	\$300.00
Society of American Foresters	<u>\$1,000.00</u>
Total Income	\$31,932.30

BALANCE - \$ **1,761.58**

Total In-Kind Contributions \$93,167.00

SCHOOLS

PIEDMONT FORESTRY CENTER

<u>SCHOOL</u>	<u>CITY</u>
MT. CARMEL CHRISTIAN SCHOOL	EASLEY
MT. ZION CHRISTIAN	SIMPSONVILLE
NORTHSIDE ELEMENTARY	SENECA
OAKLAND ELEMENTARY SCHOOL	INMAN
OCONEE CHRISTIAN ACADEMY	WEST UNION
PELHAM ROAD ELEMENTARY	GREENVILLE
POWDERSVILLE ELEMENTARY	GREENVILLE
TAMASSEE-SALEM ELEMENTARY	TAMASSEE
WESTMINISTER ELEMENTARY	WESTMINISTER

HARBISON STATE FOREST

<u>SCHOOL</u>	<u>CITY</u>
BEN LIPPEN	COLUMBIA
CLARENDON HALL	SUMMERTON
FAITH CHRISTIAN SCHOOL	LANCASTER
FOREST HEIGHTS ELEMENTARY	COLUMBIA
GEORGE I. PAIR ELEMENTARY	WEST COLUMBIA
HAMMOND SCHOOL	COLUMBIA
HERITAGE CHRISTIAN ACADEMY	LEXINGTON
MCLAURIN ELEMENTARY	FLORENCE
NEWBERRY ACADEMY	NEWBERRY
PINEVIEW ELEMENTARY	WEST COLUMBIA
RIVER SPRINGS ELEMENTARY	IRMO
SALUDA RIVER ACADEMY FOR THE ARTS	WEST COLUMBIA
SANDY RUN	SWANSEA
WHITMIRE COMMUNITY SCHOOL	WHITMIRE

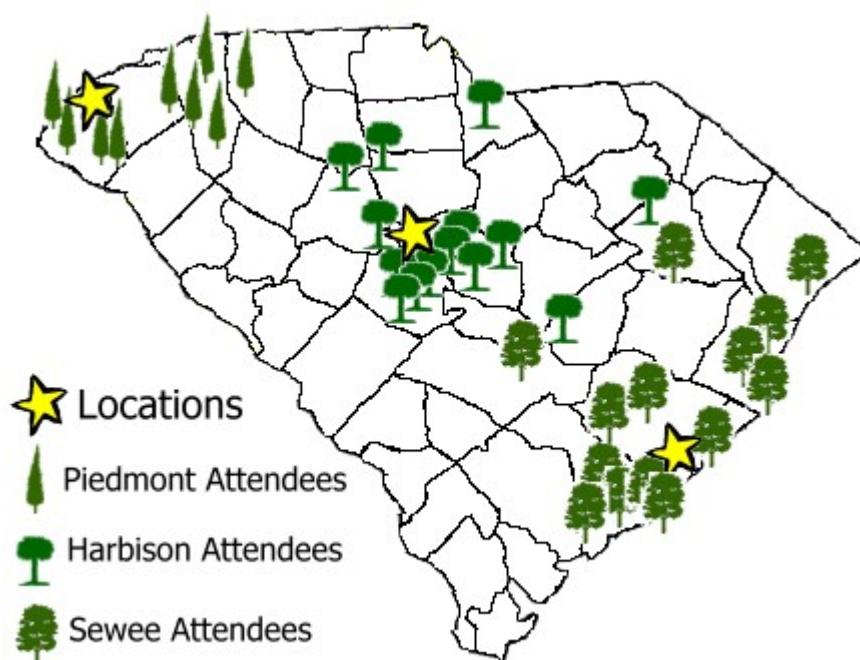
SEWEE VISITORS CENTER

SCHOOL

ADDLESTONE HEBREW ACADEMY
ASHLEY HALL SCHOOL
BELLE HALL ELEMENTARY
CHARLESTON PROGRESSIVE ACADEMY
CHRISTIAN ACADEMY
FAITH BAPTIST CHURCH SCHOOL
LOW COUNTRY DAY SCHOOL
MCDONALD ELEMENTARY SCHOOL
ORANGEBURG PREP
SULLIVAN'S ISLAND ELEMENTARY
SUMMERVILLE CATHOLIC SCHOOL
THE CAROLINA ACADEMY
THE OAKS CHRISTIAN SCHOOL
WACCAMAW ELEMENTARY

CITY

CHARLESTON
CHARLESTON
MT. PLEASANT
CHARLESTON
MYRTLE BEACH
MT. PLEASANT
PAWLEY'S ISLAND
GEORGETOWN
ORANGEBURG
SULLIVAN'S ISLAND
SUMMERVILLE
LAKE CITY
SUMMERVILLE
PAWLEY'S ISLAND



2006 STEERING COMMITTEE

Contact one of the following for first-hand information on Wood Magic and/or with your suggestions on how to improve this educational program.

<u>Name</u>	<u>Organization</u>
Tommy Adkins	Bowater, Incorporated
Becky Ashley	USDA Forest Service
Darren Atkins	Clemson University
Frazier Baldwin	Bowater, Incorporated
Greg Lucas	SC Department of Natural Resources
Gwen Beavans	USDA Forest Service
Sam Caldwell	MOTAG South
Rick Cain	Georgia-Pacific
Bethel Durant	Natural Resources Conservation Service
Ron Ferguson	SC Forestry Commission
Stephanie Kolok	SC Forestry Commission
Jane Hiller	Paper Stock Dealers
Crad Jaynes	SC Timber Producers Association
Sandy Jennings	SC Forestry Association
Janna Larson	USDA Forest Service
Jay Phillips	International Paper Company
Jennie Morris	SC Forestry Commission
Jerry Shrum	SC Forestry Commission
Orlando Sutton	USDA Forest Service

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	First Name	Last Name	Organization Name
Tommy	Adkins	Bowater, Inc.	James	Clarke	SCFC
Alan	Alexander	SCFC	Sammy	Connelly	SCFC
Robin	Altman	International Paper	Terry	Cook	SCFC
Jackie	Amerson	SCFC	Kay	Counts	SCFC
Wayne	Anthony	Georgia-Pacific	RJ	Counts	SCFC
Becky	Ashley	USDA Forest Service	Stephen	Crown	SCFC
Darren	Atkins	Clemson Extension	Jeff	Custer	MeadWestvaco
Calvin	Bailey	SCFC	Brian	Davis	SCFC
Frazier	Baldwin	Bowater, Inc.	Lyle	Dickerson	Georgia-Pacific
Bruce	Ballentine	SCFC	Guy	Dooley	MeadWestvaco
Billy	Barnette	Georgia-Pacific	James	Douglas	SCFC
Ryan	Bean	SCFC	Laurie	Dukes	SCFC
Stephanie	Beard	Clemson University	Paul	Dulin	SCFC
Ed	Belken	MeadWestvaco	John	Eargle	Bowater, Inc.
John	Bess	Collum's	Deanna	Eddy	Horry-Georgetown Tec
Julie	Binz	Sewee Association	Lois	Edwards	SCFC
Robin	Blakely	USDA Forest Service	Brad	Farmer	SCFC
Judi	Blessing	SCFC	Joel	Felder	SCFC
Paul	Blessing	SCFC	Jeff	Fellers	Clemson Extension
Tyaisha	Blount	USDA Forest Service	Ron	Ferguson	SCFC
Anne	Bohnet	Ruth Patrick Science Ctr.	Jeff	Fleck	International Paper
Denise	Bonnette	International Paper	Melissa	Fleming	SCFC
Palmer	Bowen	USDA Forest Service	Linda	Floyd	SCFC
B.C.	Bowers	Awendaw Fire Dept.	Chase	Folk	SCFC
Roy	Boyd	SCFC	Caroline	Forney	USDA Forest Service
Bill	Boykin	SCFC	Gloria	Freeman	SCFC
Mike	Bozzo	SCFC	Patrick	Gaines	USDA Forest Service
Brad	Bramlett	SCFC	Lorine	Gaskins	Sewee Visitors Center
Jarrold	Brucke	SCFC	Marion	Gibbs	SCFC
Charles	Buist	International Paper	Liz	Gilland	SCFC
Mandy	Burge	SCFC	Chris	Gordy	Norbord SC
Skip	Burnette	SCFC	Charlotte	Grant	SCFC
Olga	Caballero	USDA Forest Service	Carol	Gravely	SCFC
Rick	Cain	Georgia-Pacific	Alivia	Gunter	Lexington Soil/Water Con. Dist.
Jonathan	Calore	SCFC	Cheryl	Hardee	SCFC
Roger	Campbell	International Paper	Karen	Hardee	SCFC
Vince	Cannarella	SCFC	Tonya	Harrington	SCFC
Bill	Catoe	SCFC	Leslie	Hawkins	DNR
Jason	Caudill	Clemson Extension	Brandon	Heitkamp	SCFC
Jody	Chaney	Bowater, Inc.	Mel	Henson	Mead Westvaco
George	Chastain	Baruch Foundation	Jane	Hiller	Paper Stock Dealers

First Name	Last Name	Organization Name
Bobby	Hodge	Awendaw Fire Dept.
Ron	Holt	SCFC
Diane	House	SCFC
Russell	Hubright	SCFC
John	Hurlebaus	International Paper
Jim	Huthmaker	USDA Forest Service
Crad	Jaynes	SC Timber Producers Association
Michelle	Johnson	SCFC
Mike	Johnson	SCFC
William	Johnson	SCFC
Darryl	Jones	SCFC
Jaime	Jones	SCFC
Robert	Jones	SCFC
Darrell	Ketchens	MeadWestvaco
Miles	Knight	SCFC
Stephanie	Kolok	SCFC
Anne	Kyle	SCFC
Ashley	Lamb	SCFC
Lynn	Leclair	SCFC
Nancy	Lee	SCFC
Greg	Lucas	DNR
Judy	Lucas	SCFC
Randy	Lyles	SCFC
Tricia	Lynch	US Fish & Wildlife Service
Jack	Manigault	SCFC
Jawana	McCormick	USDA Forest Service
Michael	McGill	SCFC
Karen	McIntosh	SCFC
Patrick	McKinley	Awendaw Fire Dept.
Cliff	McKinney	SCFC
Rhett	Miller	Miller Logging
Trip	Miller	SCFC
Doug	Mills	SCFC
Larry	Moody	SCFC
Matt	Morgan	International Paper
Jennie	Morris	SCFC
Lisa	Mowbray	SCFC
Forest	Murphy	SCFC
David	Nagel	Jordan Lumber
Steve	Newman	MeadWestvaco
Herb	Nicholson	SCFC
Terri	Ott	USDA Forest Service
David	Owen	SCFC

First Name	Last Name	Organization Name
Tom	Patton	SCFC
Stephen	Pohlman	Clemson Extension
George	Pope	Sewee Visitors Center
Debbie	Price	SCFC
J. Charles	Ramsey	SCFC
Chan	Reardon	SCFC
Tom	Richardson	Self-Employed
Lt.	Roberts	Awendaw Fire Dept.
Don	Robinson	SCFC
Cathy	Rodgers	SCFC
Michael	Rushton	Norbord SC
Nathan	Rutherford	Sewee Visitors Center
Guy	Sabin	SCFC
Casandra	Sanders	USDA Forest Service
Jerry	Shrum	SCFC
Hub	Smith	SCFC
Jamie	Smith	SCFC
Nathan	Smith	SCFC
Sam	St. Louis	SCFC
David	Steet	Awendaw Fire Dept.
Lisa	Stribble	SCFC
Pete	Stuckey	SCFC
Joy	Sullivan	DNR
Frank	Tallent	Awendaw Fire Dept.
Kip	Terry	SCFC
Carl	Tolbert	SCFC
Robert	Tucker	Awendaw Fire Dept.
Gray	Vallentine	SCFC
Frances	Waite	SCFC
Jimmy	Walters	SCFC
Paul	Watts	SCFC
Michael	Weeks	SCFC
Holly	Welch	SCFC
David	West	SCFC
Maxine	Weston	USDA Forest Service
Aaron	Whiddon	SCFC
Susan	White	Awendaw Fire Dept.
Bill	Wiley	SCFC
Mark	Wiley	SCFC
Rick	Willey	Clemson University
Mike	Windhorn	Bowater, Inc.
Leslie	Woodham	SCFC
Walt	Woodrum	SCFC
Michelle	Wrenn	USDA Forest Service

SPONSORS

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American Forest Management
Awendaw Fire Department
Belle W. Baruch Foundation
Blue Ridge Electric Coop.
Bowater, Incorporated
Campbell Timberland Mgt.
Charles K. Doolittle, Inc.
Cherokee Kenworth, Inc.
Clemson University
Clemson Extension Service
Domino's Pizza
Forest Investment Associates
Friends of Sewee Association
Georgia-Pacific Corporation
Hancock Forest Management
Horry-Georgetown Tech
International Paper Company
Jordan Lumber & Supply, Inc.
Lexington Soil/Water Conservation Dist.
MeadWestvaco Corp.
Michael S. Meetze
Miller Logging
Milliken Forestry Company
Mt. Bethel Logging, Inc.
National Audubon Society
Newberry Co. Soil & Water Cons. Dist.
New South Lumber Co., Inc.
Norbord South Carolina

Paper Stock Dealers, Inc.
Pioneer Machinery
Plum Creek Timber Company
Pollard Lumber, Inc.
Resource Management Service, LLC
Ruth Patrick Science Center
Smurfit-Stone Container Corp.
Santee Cooper
Sewee Visitors Center
SC Dept. of Health & Env. Control
SC Dept. of Natural Resources
SC State Park Service
SC Timber Producers' Association
Shealy's Truck Center
Society of American Foresters
Sonoco Products Company
Sun Machinery Company
Triple R Company, Inc.
University of South Carolina
US Fish & Wildlife Service
Wal-Mart Stores, Inc.
Weyerhaeuser
Winyah Wildlife & Woodlands

