

**Nineteenth Report on the  
Status of Logger Training and Education (LT&E) Programs  
in 35 Forested U.S. States & 4 Canadian Provinces**

**2012 ACTUALS – 2013 ESTIMATES**



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May 15, 2013



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May 15, 2013

### **FOREWARD**

This *Nineteenth Report on the Status of Logger Training and Education (LT&E) Programs in 35 Forested U.S. States & 4 Canadian Provinces* was compiled from updates submitted by LT&E Program Coordinators.

Each state logger training program report is included in alphabetical order beginning on page 3.

A Training Summary Table reports the number of persons attending continuing education courses in 2012 and expected to attend continuing education courses in 2013 on page 1. A total of 7,014 loggers and others completed LT&E programs and 20,351 attended at least one training session in 2012.

On page 2 you'll find a table that summarizes the number of logging contractors, logging employees, and others participating in LT&E programs in 2012. Although some programs do not track the job classification of trainees, those that do report that 2,355 logging contractors, 2,125 logging employees, and 339 non-loggers completed their LT&E Program requirements in 2012. Others participating in LT&E Programs include: foresters, landowners, consultants, students, government officials and natural resource managers.

Most LT&E Programs now require continuing education to fulfill licensing or to maintain certification status. For more information about each training program, please contact the person(s) listed at the top of each LT&E report.

Joel Swanton  
Northeast Region Manager  
Forest Resources Association

## **TABLE OF CONTENTS**

*(Open hyperlink for each state to go directly to that page)*

<b><u>Page</u></b>	
1	Training Summary Tables
3	<a href="#"><u>Alabama</u></a>
5	<a href="#"><u>Arkansas</u></a>
7	<a href="#"><u>California</u></a>
9	<a href="#"><u>Central Rockies</u></a> (Colorado, South Dakota, Wyoming)
10	<a href="#"><u>Florida</u></a>
11	<a href="#"><u>Georgia</u></a>
13	<a href="#"><u>Idaho</u></a>
15	<a href="#"><u>Indiana</u></a>
17	<a href="#"><u>Kentucky</u></a>
20	<a href="#"><u>Louisiana</u></a>
23	<a href="#"><u>Maine</u></a>
27	<a href="#"><u>Maryland / Delaware</u></a>
31	<a href="#"><u>Michigan</u></a>
35	<a href="#"><u>Minnesota</u></a>
39	<a href="#"><u>Mississippi</u></a>
41	<a href="#"><u>Missouri</u></a>
43	<a href="#"><u>Montana</u></a>
46	<a href="#"><u>New Hampshire</u></a>
48	<a href="#"><u>New Mexico</u></a>
50	<a href="#"><u>New York</u></a>
52	<a href="#"><u>North Carolina</u></a>
56	<a href="#"><u>Ohio</u></a>
58	<a href="#"><u>Oregon</u></a>
63	<a href="#"><u>Pennsylvania</u></a>
66	<a href="#"><u>Quebec</u></a>
68	<a href="#"><u>South Carolina</u></a>
71	<a href="#"><u>Tennessee</u></a>
74	<a href="#"><u>Texas</u></a>
76	<a href="#"><u>Vermont</u></a>
78	<a href="#"><u>Virginia</u></a>
81	<a href="#"><u>Washington</u></a>
83	<a href="#"><u>West Virginia</u></a>
86	<a href="#"><u>Western Canada</u></a> (British Columbia, Alberta and Saskatchewan)
88	<a href="#"><u>Wisconsin</u></a>

**LOGGER TRAINING AND EDUCATION (LT&E) PROGRAM TRAINING SUMMARY**  
**(2012 ACTUALS – 2013 ESTIMATES)**

<b>STATE/PROVINCE</b>	<b>ACTUAL NO.COMPLETING ENTIRE LT &amp; E PROGRAM IN 2012</b>	<b>ACTUAL# COMPLETING PART OF LT &amp; E PROGRAM IN 2012</b>	<b>ESTIMATE# TO COMPLETE ENTIRE LT &amp; E PROGRAM IN 2013</b>	<b>ESTIMATED# TO COMPLETE PART OF LT &amp; E PROGRAM IN 2013</b>
Alabama	90	1,656	100	1,600
Arizona (3)				
Arkansas	200	300	300	880
California	715	715	660	660
Central Rockies (1)	17	143	10	150
Florida	27	339	35	540
Georgia	108	800	100	800
Idaho	354	375	390	425
Indiana	10	61	5	50
Kentucky	198	1427	167	1035
Louisiana	58	901	78	950
Maine	88	459	100	800
Maryland/Delaware	6	158	7	175
Michigan	750	0	750	0
Minnesota	625	1,196	650	1,140
Mississippi	354	2017	150	1000
Missouri	80	402	75	420
Montana	130	936	145	950
New Brunswick(3)				
New Hampshire	59	612	40	625
New Mexico	128	108	150	130
New York	453	631	300	400
North Carolina	65	1,459	70	1,459
Ohio	97	292	80	275
Oregon	596	857	620	3125
Pennsylvania	78	421	100	700
Quebec	545	193	524	240
South Carolina		54	150	1000
Tennessee	92	405	75	470
Texas	29	445	34	569
Vermont	15	64	25	150
Virginia	101	983	75	1,000
Washington	93	55	80	70
West Virginia	316	124	410	110
Western Canada (2)	472			
Wisconsin	65	1,763	50	1,830
<b>Totals</b>	<b>7,014</b>	<b>20,351</b>	<b>6,505</b>	<b>23,728</b>

## Notes:

(1) Central Rockies program serving states of Colorado, South Dakota, and Wyoming

(2) Western Canada program serving provinces of British Columbia, Alberta and Saskatchewan

(3) LT&amp;E Numbers not received - Arizona, New Brunswick

**LOGGER TRAINING AND EDUCATION (LT & E) PROGRAM TRAINING SUMMARY  
(2012 ACTUALS – 2013 ESTIMATES)**

STATE/PROVINCE	ACTUAL NUMBER COMPLETING ENTIRE LT & E PROGRAM IN 2012				ACTUAL NUMBER COMPLETING PART OF LT & E PROGRAM IN 2012			
	Logging Contractors	Logging Employees	Other (1)	Total	Logging Contractors	Logging Employees	Other (1)	Total
Alabama (2)				1,746				1,700
Arizona (3)								
Arkansas	25	150	25	200	40	242	18	0
California	115	600		715	110	550		660
Central Rockies (2)				17				143
Florida		25	2	27		339		339
Georgia	44	31	33	108	350	200	250	800
Idaho (2)				354				375
Indiana (2)				10				61
Kentucky		146	52	198		1241	186	1427
Louisiana	12	25	21	58		570	331	950
Maine	6	80	2	88	69	374	16	459
Maryland/Delaware(2)				6				158
Michigan(2)				750				750
Minnesota	399	205	21	625		1161	35	1196
Mississippi (2)				354				2017
Missouri (2)				80				402
Montana (2)	111	19		130				936
New Brunswick (3)								
New Hampshire (2)				59				612
New Mexico (2)				128				108
New York (2)	420	33		453				631
North Carolina	47	10	8	1,524	855	290	314	1,459
Ohio (2)				97				292
Oregon	596			596	827	2320		3147
Pennsylvania (2)				78				421
Quebec	8	397	140	545	105	10	78	193
South Carolina (2)				54				
Tennessee (2)				92				405
Texas		27	2	29		375	70	445
Vermont (2)				15				64
Virginia	50	36	15	101	600	283	100	983
Washington	50	30	13	93	36	12	7	55
West Virginia		311	5	316		113	11	124
Western Canada (2)	472			472				
Wisconsin (2)				65				1,763
<b>Totals</b>	<b>2,355</b>	<b>2,125</b>	<b>339</b>	<b>10,183</b>	<b>2,992</b>	<b>8,080</b>	<b>1416</b>	<b>23,075</b>

## Notes:

- 1) Other includes foresters, landowners, consultants, students, government personnel, and natural resource managers
- 2) Records do not include job classification
- 3) LT&E Numbers not received

**ALABAMA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Mr. Chris Erwin, SFI<sup>SM</sup> Coordinator  
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**Program**

**Name:** Alabama Professional Logging Manager

**The Professional Logging Manager (PLM) Course** was started by the Alabama Cooperative Extension Service in 1993 and was patterned after the Tennessee Master Logger program. The program consists of two days training using classroom presentations.

Participants who complete the program receive a certificate of completion and an identification card. The entire database of current PLM designees is available on the Alabama Forestry Association website at [www.alaforestry.org/plm](http://www.alaforestry.org/plm). This database provides landowners the opportunity to utilize a logger who has had formal training.

**Required  
Courses:**

The specific course work consists of these two eight- hour sessions:

Forest Resource Conservation – Begins with overview of the Sustainable Forestry Initiative (SFI) followed by the conduct of a timber harvest from economic and environmental perspectives. Presentations cover endangered species, conserving biodiversity, forest productivity through forest management, Best Management Practices for water quality protection, and timber harvest planning.

Logging Safety and Compliance – Presentations include: general logging safety precepts applicable to all logging workers, specific job task safety principles, business regulations, and logging business information and management tools.

**Other:**

The Professional Logging Manager Course was originally funded through a TVA grant to Auburn University. The course is supported by the Auburn University School of Forestry and the Alabama Cooperative Extension System, and endorsed by the Alabama Forestry Association, the Alabama Loggers Council and the Alabama Sustainable Forestry Initiative. PLM courses are taught by Dr. Matthew Smidt of Auburn University. He has made his program information available at his website at <https://fp.auburn.edu/sfws/plm/plmprogram.htm>.

Participants are charged \$125.00 pre-registration and \$150.00 walk-in registration to cover the costs of travel and materials. The SFI Logger Education Committee covers administrative expenses, while SFI member companies sponsor meals.

The Alabama Loggers Council and the SFI Loggers Education Committee require six hours of continuing education credits per year to maintain PLM status. Participants are allowed to carry up to six hours of continuing education over to the following year. Continuing education opportunities include traditional training workshops; however, there are also continuing education opportunities online at [www.alaforestry.org](http://www.alaforestry.org).

### **Training Summary:**

<b>Participants</b>	<b>Actual Number Completing Entire LT&amp;E Program in 2012</b>	<b>Actual Number Attending At Least One Course in 2012</b>	<b>Estimated Number Expected to Complete LT&amp;E Program in 2013</b>	<b>Estimated Number Expected to Attend Some Courses in 2013</b>
<b>Loggers, Foresters And Others</b>	<b>90</b>	<b>1,656</b>	<b>100</b>	<b>1,600</b>
<b>TOTALS</b>	<b>90*</b>	<b>1,656**</b>	<b>100</b>	<b>1,600</b>

*\*90 individuals completed the initial two day training.*

*\*\*1,656 are current cardholders who took CE classes.*

### **Production**

#### **Data:**

The annual production for PLM graduates is estimated to be 25,360,822 tons. Data was developed from production figures of SFI member companies in Alabama.

### **Training**

#### **Modules:**

Twenty five one-hour courses available at \$35 per hour with a \$10 discount for members. Topics include trucking regulations, BMPs for water quality, nonnative invasive species, threatened and endangered species, and forest certification. Programs are available online at [www.alaforestry.org/plm](http://www.alaforestry.org/plm). Participants start and completion time is monitored and participants receive a certificate of completion once they pass an automated quiz. (Many of these courses are recorded live sessions.)

**ARKANSAS  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** George Lease  
Director of Logger Training and Education  
Arkansas Timber Producers Association  
2311 Biscayne Drive, Suite 206  
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Email: GLease7915@aol.com

**Program**

**Name: Arkansas Logger Education and Training Program**

The purpose of the Arkansas LT&E Program is to present four one-day educational workshops for Arkansas and neighboring state logging contractors, spouses, crew members, and company and state foresters. The Program's mission is to develop and implement an education and training program for Arkansas loggers, procurement and land management foresters and others who work with loggers and logging contractors. It is designed to provide instruction that will assist in achieving sustainable forestry and best management (stewardship) practices.

The Arkansas Logger Training and Education Council was formed to develop a training curriculum, hire a program coordinator, and secure funding for Arkansas' Logger Training and Education Program. On September 1, 1995, George Lease was hired as Director of Logger Training and Education for the ATPA. A training goal was established to train 1,000 loggers, spouses, and company employees each year in 1996, 1997, and 1998 for a total of 3,000 persons. There are currently 15,340 persons in our LT&E database. As of December 31, 2012, attendance at ATPA workshops has been 45,605 in 1,111 workshops held since the program started on October 1, 1995.

A training program budget and a funding formula have been established in the form of a 1 cent per ton assessment based on the volume of wood consumed by each company that elects to support the program. Also, there is a 1 cent per acre voluntary assessment for major forest landowners which do not have mills in Arkansas. Fifteen companies contributed \$141,000 in 2012 and have pledged a similar amount in 2013. A total of 1,111 loggers and foresters received LT&E in 43 workshops in 2012. Thirty workshops have been planned for Arkansas and Oklahoma in 2013.

**Required**

**Courses:** The 24-hour basic curriculum includes four modules of six hours each:

Timber Harvesting & Transportation Safety

Business Management for Logging Contractors  
Successful Timber Harvesting (Best Management Practices)  
Environmental Considerations for Sustainable Forest Management

Continuing Logger Education (CLE) – All LT&E workshops now count for 6 hours of CLE annually. Three-fourths of the 2012 workshop attendance was by logging contractors, crew chiefs, and foresters needing CLE credit. Each Ark Pro Logger is expected to complete 6 hours of CLE annually.

**Additional Training**

**Available:** Defensive Truck Driving  
 Logger Rescue  
 Basic First Aid and CPR  
 Mill/Supplier (FRA) Workshops  
 Chainsaw Safety  
 CSA 2011 – Trucking Safety

Each Ark Pro Logger is expected to complete 6 hours of CLE annually.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	25	40	25	300
Logging Employees	150	242	250	500
Other (Foresters)*	25	18	25	80
<b>TOTALS</b>	<b>200</b>	<b>300</b>	<b>300</b>	<b>880</b>

*\*Records do not indicate job classification*

**Production**

**Data:** Based on comments from those companies (15) which funded our LT&E program, we estimate that the 4,200 Ark Pro Loggers (LCs and LT&E grads) accounted for over 97 percent or approximately 13 million tons of the state of Arkansas' timber harvest of just over 14 million tons removed from Arkansas forests in 2012. (Source: Arkansas Forestry Commission.)

**On-Line Courses:**

No on-line courses are offered at this time.

**CALIFORNIA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Eric Carleson, Executive Director  
Associated California Loggers (ACL)  
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Sacramento, California 95814  
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Phone: 916/441-7940, Fax: 916/441-7942

**Program**

**Name:** **California Logger Training and Education Program**

ProLogger training in California provides a continuing education resource for loggers and complements landowner certification programs. Completion of 17 required units and three elective units qualifies for ProLogger listing. Eight elective units per year are required to maintain ProLogger status.

**Required**

**Courses:**

**Best Operating Practices**

- 1) Silviculture for California loggers
- 2) Using best operating practices
- 3) The pre-harvest inspection as a short cut to quality
- 4) Matching job & equipment

**Business Practices**

- 1) Costs, job analysis and successful bidding
- 2) Independent contractor status
- 3) Managing your business to survive and prosper

**Safety and Risk Management**

- 1) Managing risks and claims
- 2) First Aid & CPR training
- 3) Hearing conservation

- 4) Hazardous substance rules
- 5) Updating your Illness & Injury Prevention Program
- 6) Nutrition

**Additional**

**Training**

**Available:**

**California Timber Operators License Program**

The California Department of Forestry offers the Logger Training Program required for first time applicants for a State Timber Operators License. The program consists of the Licensed Timber Operator's Workshop developed cooperatively by the California Department of Forestry and Fire Protection (CDF) and the Associated California Loggers. The workshop is taught by the CDF.

**Safety and First Aid** - Informal safety visits and technical support. ACL's safety director works on a continuous basis with loggers and their workers' compensation program to keep their safety effort up to snuff.

Others (Electives) offered by ACL, Logging Conferences, etc., (continuing education credit awarded by ACL) include the following topics:

<u>Working around Water</u>	<u>Labor Law</u>
<u>Troubleshooting Airbrakes</u>	<u>Safety (Trucks and Logging)</u>
<u>First Aid</u>	<u>Terminal Inspections</u>
<u>Trucking Issues</u>	<u>Trucking and Homeland Security</u>
<u>Private Property</u>	<u>Healthy Forests</u>
<u>Communication</u>	<u>Managing Insurance Claims</u>
<u>Air Quality Requirements</u>	<u>Fire Prevention</u>
<u>Heat Illnesses</u>	<u>Money Management</u>

**Training  
Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	115	115	110	110
Logging Employees	600	600	550	550
Other				
<b>TOTALS</b>	<b>715</b>	<b>715</b>	<b>660</b>	<b>660</b>

**Production Data:** No current plans to track.

**Program Funding:**

Participants either pay directly for classes or association and logging conferences charge conference registration fees for all classes and the conferences themselves. Some conference classes are offered for free. No state funding.

**Training Modules:**

(No online training modules were developed or offered in 2012.)

**CENTRAL ROCKIES  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Tom Troxel  
Intermountain Forest Association  
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Rapid City, SD 57702  
605-341-0875, 605-341-8651 (fax), 605-390-7457 (cell)  
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**Program Name: Central Rockies Sustainable Forestry Education Program (CRSFEP)**

The purpose of the Central Rockies Sustainable Forestry Education Program (CRSFEP) is to develop, support and provide a course curriculum to improve knowledge and implementation of forestry practices in Colorado, Wyoming and South Dakota. The CRSFEP curriculum is designed for loggers, landowners, natural resource managers, and other interested parties. The intent is to encourage a mix of participants, and facilitate discussion between those responsible for the management of forest land. The following 31-hour core curriculum provides a foundation of both forest function and forestry operations.

**Required Courses:**

<u>Course</u>	<u>Classroom/Lecture/Discussion</u>	<u>Field</u>
BMPs to Protect Water Quality	4 hours	3 hours
Forest Ecology	4	3
Forest Management/Silviculture	4	3
Business Management	6	0
Harvesting and Transportation Safety	4	0
First Aid (as required by OSHA)	(acquired locally)	
Total	22	9

**Training Summary:**

<b>Participants</b>	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors Logging Employees	6 certified 11 re-certified	143	10	150
TOTALS*	17	143	10	150

*\*Records do not indicate job classification.*

**Production Data:** No current plans to track.

**Program Funding:** In general, participant's fees pay the costs, although various timber associations (IFA, BHFRA, CTIA) cover a portion of the administrative/organizing costs.

**Training Modules:** (No online training modules were developed or offered in 2012.)

**FLORIDA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Phil Gornicki  
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Florida Forestry Association  
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Tallahassee FL 32302.1696  
Phone: 850.222.5646  
Fax: 850.222.6179  
Email: phil@forestfla.org

**Program Name:** **Florida Master Logger**

The Florida Forestry Association administers the program for the Sustainable Forestry Initiative (SFI) State Implementation Committee (SIC). The program is designed to enhance the professionalism of loggers through training in safety, timber harvesting, business and environmental regulations.

**Training Summary:**

<b>Participants</b>	<b>Actual Number Completing Entire LT&amp;E Program (Master Logger) in 2012</b>	<b>Actual Number Attending At Least One Course (continued) in 2012</b>	<b>Estimated Number Expected to Complete LT&amp;E Program in 2013</b>	<b>Estimated Number Expected to Attend Some Courses in 2013</b>
<b>Loggers</b>	<b>25</b>	<b>339</b>	<b>30</b>	<b>440</b>
<b>Non Loggers</b>	<b>2</b>	<b>-</b>	<b>5</b>	<b>100</b>
<b>TOTALS</b>	<b>27</b>	<b>339</b>	<b>35</b>	<b>540</b>

**Program Funding:** The Florida Master Logger program is funded by the SFI/SIC and logger education workshop registration fees.

**Program Revision:** January 2013 will be the starting point for a new Florida Master Logger Program design. The Florida Sustainable Forestry Initiative (SFI) State Implementation Committee (SIC) was charged with revising the continuing education format, meet new SFI Standard requirements, and simplify the program and administration. Logger training topics that are required by the SFI 2010-14 Standard will be incorporated and tracked in the revised administration format, and teaching materials/modules will be researched and reviewed each year as the program is continually updated. The Master Logger Annual Update is equivalent to three (3) hours of continuing education; however, it is the only continuing education accepted for Master Logger certificate renewal. No other continuing education will be required nor accepted in this new program. "Other Participants" (non-loggers who took the initial 3-day training) are also now required to maintain the same continuing education requirements as a Master Logger if they wish to maintain "trained" status. This training is currently not available online. Only approved facilitators may teach this training.

**GEORGIA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Donna Gallaher  
SFI<sup>®</sup> Program Coordinator  
Center for Forest Business  
The University of Georgia  
Athens, Georgia 30602-2152  
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**Program Name:** **Georgia Master Timber Harvester**

The Georgia Master Timber Harvester (MTH) program has two components:

- 1) An introductory two-day Master Timber Harvester workshop, and
- 2) Ongoing Continuing Logger Education (CLE) that is more flexible to meet the needs of a very diverse audience.

**Current Training Available:**

Georgia Master Timber Harvester Workshop - The Georgia Master Timber Harvester workshop is a two-day program designed to address the logger education component of the Sustainable Forestry Initiative<sup>®</sup> Program. Workshop material is offered in three categories: The Environment, Business Management, and Safety. Wood fiber foresters are included as part of the training audience.

The focus in the Environment category is to allow loggers to become conversant on forestry topics and for them to gain a greater appreciation of how their actions affect forest sustainability and vice versa.

The Business Management and Safety categories are more straightforward in content since they deal with specific subjects that affect the logger's profitability and business survival. The foresters trained will gain from the experience by attaining a better understanding of the logger's activities and constraints.

Continuing Logger Education – A variety of continuing logger education courses are available from The Southeastern Wood Producers Association and some Georgia technical colleges. CLE credit may also be received for attending courses at other education facilities, technical and professional meetings, and other venues.

**Continuing Education Requirements:**

Upon completion of the introductory, two-day Georgia Master Timber Harvester Workshop, MTH status is effective for a period of two (2) years. Twelve (12) hours of CLE are required to renew MTH status. A minimum of four (4) of the twelve required hours must be in the environmental topics discussed in the Master Timber Harvester workshop. The remaining eight hours are “elective” and may be in any subject matter addressed in the MTH workshop (The Environment, or Business Management, or Safety modules).

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Estimated* Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated* Number Expected to Attend Some Courses in 2013
Logging Contractors	44	350	40	350
Logging Employees	31	200	30	200
Other	33	250	30	250
<b>TOTALS</b>	<b>108</b>	<b>800</b>	<b>100</b>	<b>800</b>

\*Based on number of Master Timber Harvester renewals.

**Program Funding:** The program is primarily funded by attendee registration fees and subsidized by a per ton assessment on the wood consumed by SFI® Program participants in Georgia.

**Training Modules:**

Southeastern Wood Producers Association has added some online Continuing Logger Education (CLE) courses.

**IDAHO  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Linda Murphy, Office Manager  
Associated Logging Contractors, Inc.  
P.O. Box 671  
Coeur d'Alene, Idaho 83814  
208/667-6473 1-800-632-8743  
Fax 208/667-2144  
Email: alc@idahologgers.com

**Current Training Available:**

The **Idaho Pro-Logger** program, established by Idaho's Associated Logging Contractors in 2000, utilizes a curriculum offered by LEAP, a nationally acclaimed Extension program. In addition, the program is designed to satisfy SFI education requirements.

Focused primarily on in-field supervisors, and owners (including owner-operators), the program consists of 24 credit hours in:

- First aid training as required in the OSHA regulations and
- Completion of a 3-day LEAP curriculum offered by University of Idaho Extension covering silviculture, forest ecology and water quality.

To maintain active status with Idaho's Pro-Logger program after the initial program, owner/contractors must maintain their compliance with 12 credits yearly from approved courses. In addition, all employees and the owner/contractor must maintain OSHA-required first aid certification.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors Logging Employees Other	354	375	390	425
<b>TOTALS *</b>	354	375	390	425

\*Records do not indicate job classification. Numbers of those taking individual courses are primarily program graduates taking continuing education courses to maintain their active status.

**Production**

**Data:** No current plans to track.

**Program Funding:** The Idaho Pro-Logger Program is owned and operated by the Associated Logging Contractors of Idaho (ALC). The ALC has established two committees to assist in

oversight and guidance of the IPL: 1.) the Idaho Pro-Logger Sub Committee whose members are ALC member logging contractors in good standing; 2.) the Idaho Pro-Logger Advisory Committee which consists of logging contractors, forest land owners, representatives of forest product companies, foresters, the University of Idaho Extension Forestry Department, the Idaho Department of Lands, advisors from the Idaho State Logging Safety Program and the Associated Logging Contractors. These committees meet regularly to monitor and guide the program and make recommendations to the ALC Board of Directors for program governance. All final decision on the governance and operation of the IPL rest with ALC Board of Directors.

**Training Modules:** No online training modules were developed or offered in 2012.

**INDIANA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

<b><u>Contact:</u></b>	<p>Jeff Settle Forest Resources Information IDNR Forestry 1278 E SR 250 Brownstown, IN 47220 812.358.2160 - PHONE 812.358.5837- FAX jsettle@dnr.in.gov</p>	<p>Ashley Tandy, Indiana Hardwood Lumbermen's Association (IHLA) 1849 Broad Ripple Avenue Indianapolis, IN 46220 (800) 640-4452 – PHONE (317) 875-3661 – FAX <a href="http://www.ihla.org">http://www.ihla.org</a></p>
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**Program****Name:** **Indiana SFI Logger Training**

Indiana's LT&E Program is a volunteer program under the SFI Implementation Committee and uses the Game of Logging curriculum. The Indiana Division of Forestry and IHLA assist with training coordination. The "core curriculum" is listed below:

**Required**

**Courses:** Game of Logging Cutter Training – Levels 1 and 2.

Game of Logging Skidder Training – Level 1.

Best Management Practices (1 day – 50% outdoors)

Indiana continues to expand the scale of its BMP Training and Monitoring course. A cost-share program has been developed to provide incentives and BMP information to loggers and to defray some of their BMP implementation costs.

Introduction to SFI, Silviculture, Wildlife, etc. (1day- 50% outdoors)

**Other:**

First Aid & CPR training are the loggers' responsibility.

Indiana also offers Game of Logging Cutter Training Levels 1-5 and Skidder Training.

Note: All Indiana State Forest timber sales now require that at least one person (timber buyer, supervisor, or crew member) have the minimum of Game of Logging Level 1 Cutter Training and also Introduction to BMPs.

**Training**  
**Summary:**

Participants	Actual Number Completing Entire LT&E 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Actual Number Expected to Attend Some Courses in 2013
<b>TOTALS</b>	<b>10**</b>	<b>61</b>	<b>5*</b>	<b>50*</b>

*\*Records do not indicate job classification.*

*\*\*completed GOL Levels 1-4*

**Production**

**Data:** Not Available.

**Program**

**Funding:** Training costs are paid by attendees or their company.

**Training Modules:** No on-line training modules have been developed.

**KENTUCKY  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

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Website: <http://www.masterlogger.org>  
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**Program**

**Name:** **Kentucky Master Logger Program**

The Kentucky Master Logger (KML) Program was initiated in 1992 as a partnership between the University of Kentucky Cooperative Extension Service, Kentucky Forest Industries Association, Kentucky Division of Forestry, and Bryan Equipment Sales Inc.

Kentucky's Forest Conservation Act requires all commercial logging operations to have at least one Master Logger graduate on site. Master Loggers will be required to complete six hours of continuing education every three years.

Eight 3-day KML programs are scheduled at eight regional training sites during 2013. The cost is \$85.00 per person for all three sessions. Training is required in the following areas:

**Required**

**Courses:** **Laws and Regulations, Silviculture, Stream Crossings and BMPs regulations** are taught by Dr. Jeff Stringer of the University of Kentucky Cooperative Extension Service and Kentucky Division of Forestry personnel. This session covers laws and regulations, silviculture, effects of logging and site on regeneration and growth, construction of roads, stream crossings, landings and skid trails. Timber harvesting Best Management Practices are emphasized. Course length covers two days at six hours per day with both indoor and outdoor activities and demonstrations.

Logging Safety Course is taught by timber harvesting and safety specialists with Bryan Equipment (a regional Stihl distributor) or other qualified personnel, KFIA, and Kentucky Division of Forestry Personnel. Felling techniques, personal protective equipment, fatality information and OSHA standards and regulations are covered. Course length is six hours with both indoor and outdoor activities.

**Other:** Over 7,147 loggers have graduated since the KML program first started (201 programs since 1992). The Kentucky Master Logger Program received the 1994 Governor's Environmental Excellence Award and was awarded the most outstanding Cooperative Extension Program in Kentucky in 1999.

There are 15 continuing education classes scheduled throughout 2013 by the Kentucky Master Logger (KML) office so that loggers can attain the six CEC's required to maintain their KML status. Kentucky Master Loggers can receive credit for attending programs not conducted by the KML Office, such as those conducted in other states or by industry as long as the program is approved for content by the KML office.

Testing of participants in the introductory Kentucky Master Logger Program indicates a 40% increase in knowledge of basic logging practice. Annually, an average of 112 small logging firms are provided assistance with complying with state laws by attending the introductory program and resulting in jobs for 347 individuals (owners or employees). Environmental assessment of program participants indicated that best management practices usage ranged from 80 to 90 percent for streamside management zones and haul road and skid trail drainage control practices to 30 to 40 percent for the use of improved stream crossings and successful revegetation of skid trails. The end result of the introductory program is that 128 perennial streams and 355 intermittent streams are provided enhanced environmental protection annually.

Advanced training for Kentucky Master Loggers annually enrolls approximately 1,400 Kentucky Master Loggers. Training involves Silviculture of Timber Production, Bucking Optimization, Logging Aesthetics, Advanced BMPs, Timber Cruising Basics, Logging Mechanics and Equipment, Map and GPS for Loggers, and Log, Lumber and Tie Grading. Post-training evaluation indicate that approximately 400 logging businesses maintain compliance with state laws through this training. Post-training evaluation indicated a use rate average of between 45 and 90 percent for advance program training courses.

The KML web site ([www.masterlogger.org](http://www.masterlogger.org)) provides a complete listing of class schedules, registration form/information, Forest Conservation Act requirements, and who to contact for assistance or additional information.

### **Production**

#### **Data:**

The Kentucky Master Logger Program has 4,155 loggers working in Kentucky representing over 1,500 small businesses. Annually these Kentucky Master Loggers impact 240,990 acres of woodlands and harvesting over 899 million board feet of timber providing over \$130 million dollars of timber revenue for 9,556 landowners in Kentucky.

**Training Summary:**

<u>Training Summary:</u>	<b>3-Day KML Program</b>	<b>3-Day KML + CEU</b>	<b>3-Day KML Program</b>	<b>3-Day KML + CEU</b>
<b>Participants</b>	<b>Actual Number Completing Entire LT&amp;E Program in 2012</b>	<b>Actual Number Attending At Least One Course in 2012</b>	<b>Estimated Number Expected to Complete LT&amp;E Program in 2013</b>	<b>Estimated Number Expected to Attend Some Courses in 2013</b>
<b>Logging Contractors and Employees</b>	<b>146</b>	<b>1241</b>	<b>125</b>	<b>900</b>
<b>Landowners</b>	<b>12</b>	<b>26</b>	<b>15</b>	<b>40</b>
<b>Govt. Employees</b>	<b>19</b>	<b>89</b>	<b>12</b>	<b>45</b>
<b>Other</b>	<b>21</b>	<b>71</b>	<b>15</b>	<b>50</b>
<b>TOTALS</b>	<b>198</b>	<b>1427</b>	<b>167</b>	<b>1035</b>

**Program**

**Funding:** The 3-day program registration fee to participants is \$85.00. The one-day continuing education programs that the Kentucky Master Logger office coordinates has a registration fee of \$50.00 in most cases. This fee can fluctuate depending on the program being offered. Additional funds are collected through the \$25.00 Kentucky Master Logger Card renewal fee, which participants have to pay every three years to maintain their designation.

**Training Modules:** No online training modules were developed or offered.

**LOUISIANA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program Name:**

**The Louisiana Sustainable Forestry Initiative Education Program**

The forestry community of Louisiana has developed a comprehensive 33 hour program designed to assist loggers, foresters, forest landowners, and others who work in Louisiana forests harvesting the state's number one crop, "trees." The program is designed to help respond to OSHA safety requirements, increasing environmental concerns, sustainable forestry practices, and improved business management techniques. Individual workshops were designed to meet the SFI requirements and are scheduled from February through November. Master Logger status is required of all suppliers by the Louisiana Sustainable Forestry Initiative participating companies. Completion of the program is required to be recognized as a Master Logger by the Louisiana Logging Council and the Louisiana Forestry Association. Each year Master Loggers who have successfully completed their (6 hr) Continuing Education requirement will receive a billfold size card certifying they are in good standing.

**Required Courses:**

**Timber Harvesting and Transportation Safety & OSHA Regulations**

A four-hour session using interactive videos highlighted by *APA's Loss Control for Professional Loggers program and Operation Lifesaver* is presented first. Logging contractors are encouraged to bring their operators for this program. Breakout sessions are held for an in-depth discussion of hazards associated with all areas of the logging job and the participants are expected to perform a mock "tailgate" meeting with a crew. Two workshops with 63 attending were offered in 2012. (CFE-3hrs, CLE-8 hrs)

Using the Louisiana Logging Safety Manual as a text, logging contractors are made aware of OSHA logging regulations and their responsibility for training employees. The course gives the contractor and tools necessary to train his personnel in logging safety. Breakout sessions review FRA's *Logging Safety Video*. The text includes sections on OSHA Standards, forms & records, Hazcom Program, MSDS, Safety Policy, Bloodborne Pathogens and the Louisiana Ten-point Safety Plan. Two workshops with 63 attending were offered in 2012. (CFE-3hrs, CLE-8 hrs)

### Best Management Practices and Harvest Planning

An eight hour course on forest regulatory history, Clean Water Act, Wetlands, Endangered Species, Reforestation Alternatives, and Harvest or Timber Sale planning is offered. Using the video, *Louisiana's Voluntary Best Management Practices for Professional Loggers*, trainees share their experiences with each other on their use of BMPs. A harvest plan is developed from facts presented during the session. Two workshops with 63 in attendance were offered in 2012. (CFE-7hrs, CLE-8 hrs)

### Erosion Control

“You have told us why we must use BMP’s, now show us how” logging contractors commented after the 1996 BMP training season. Members of the SFI committee asked the USDA-Natural Resource Conservation Service to assist in developing a training session that would address the logging contractors’ needs. The six-hour combination classroom and field exercise workshop on planning, design & construction of forest water control measures meets this objective. Three workshops with 68 attending were offered in 2012. (CFE-3.5 hrs, CLE-6 hrs)

### Business Management

Meeting the business management needs of the modern logging contractor is the objective of this eight-hour session. A Certified Public Accountant discusses Wage & Hour laws and leads the class through the procedure of reporting federal and state payroll taxes. Other topics include; off-road fuel regulations, insurance, timber sale reporting requirement, deeds & contracts, better profits in trucking wood, financial management and estate taxes. Two workshops with 74 attending were offered in 2012. (CFE-7hrs, CLE-8 hrs)

### Forestry Aesthetics

The Sustainable Forestry Board included Forestry Aesthetics in the SFI Core Indicators for wood producer training in the 2002-2004 edition of the SFI Standards. The Louisiana SIC added the Forestry Aesthetics to the Core Curriculum for attaining Louisiana Master Logger status by the end of CY 2003. The three-hour workshop, developed by the Forest Resources Association, Inc., was incorporated in the training program to meet this requirement. Two Forestry Aesthetics workshops were held with an attendance of 60 for 2012.

### **Production Data:**

**An estimated total of 23.3 million tons of wood was produced for Louisiana mills in 2012. An estimated 21 million tons were produced by fully trained logging contractors.**

**Training Summary for Required Courses:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	12	570*	14	600*
Logging Employees	25		35	
Foresters	11	331*	12	350*
Others	10		10	
<b>TOTALS</b>	<b>58</b>	<b>901*</b>	<b>71</b>	<b>950*</b>

\*Records do not indicate job classification.

**Continuing Education:**

A total of 15 workshops were presented in 2012 with 503 in attendance. Dana Hinkley taught 6 In-Woods Logging Safety Workshops that were very well attended and received very positive feedback.

In 2012, we finished up with two GPS classes dealing with Using Your GPS and More. The main emphasis in 2012 was our In-Woods Logger Safety Training done by instructor Dana Hinkley. This workshop focused on logger rescue. Emphasis was placed on crew team work and helping injured employees get to treatment. The program had 163 attendees with very positive feedback.

In 2013, our plans for continuing education are State Police, Weights & Standards; Staying ahead of State Police Roadside Motor Carrier Safety Inspections and Driver Records.

Total Number of individuals completing the curriculum as of December 31, 2012: 1626 Master Loggers + 767 Foresters & Others = 2393.

**Training Modules:** No online training modules were developed or offered in 2012.

**MAINE  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program Name:     Certified Logging Professional Program**

The CLP program offers professional training and certification for Maine loggers. CLP was founded in 1991, a combined effort of loggers, landowners, environmental specialists and safety consultants to recognize a standard for professionalism in the Maine woods. An immediate goal of the program was to combat the high rate of logging accidents and the high Workers' Compensation costs for logging contractors.

Today, under the sponsorship of the Maine TREE Foundation, the program takes pride in the fact that conventional loggers have earned a Workers' Compensation rate 50% less than in 1993. The mechanical logging employees pay a rate 55% less than non-participants. Equally as important, our participants have helped CLP meet its overall objective of cultivating skill, knowledge and pride in the Maine woods.

It is the mission of the CLP program to provide the most current training and education for workers in the Maine logging industry. The successful CLP candidate will be prepared to work safely, productively, in a manner that protects, enhances and sustains the forest. Our program will evolve to reflect changes in the forest products industry and will provide a means for continual professional growth.

**Required Courses:**

To be certified, candidates must attend a CLP-sponsored four-day workshop (32 hours total) and then pass a work-site evaluation. The workshop includes three days of classroom instruction in first-aid/CPR, forest management and silviculture, safe and efficient wood harvesting, and business/utilization. The final day for conventional loggers is devoted to on-site instruction and hands-on tree felling using a nationally recognized logging training system. In 2006, CLP developed training specific to mechanized logging operations. The four days of training is as follows:

**Day 1**

Introduction to CLP & SFI  
 Professional Code of Ethics  
 Intro to Safe and Efficient Harvesting  
*Logging Safety rules, OSHA regs.*  
 Transportation Safety  
 Intro to Business of Logging  
*Workers' Compensation*  
*Independent Contractor Status*  
*Understanding Insurance*  
*Marketing & Utilization*  
*Tracking Operating Costs*

**Day 3**

First Aid/CPR  
*Evacuation Plan*  
*CPR and Rescue Breathing*  
*First Aid for Loggers*  
*Bloodborne Pathogen Program*  
*First Aid Kit Inventory*

**Day 2**

Forest Management/Silviculture  
*Forest Ecology & Management Systems*  
*Harvesting Laws*  
 Conserving Fish and Wildlife  
 Water Quality and Logging  
*Best Management Practices*  
*Water Quality laws*  
 Controlled Yarding  
*Safe skidding and mech. harvesting*  
*Cutting Area Layout Exercise*  
 Hazardous Material Training

**Day 4**

Directional Felling  
*Level 1 Game of Logging*  
 Certification Interview Form  
 Ice Damage Harvesting and Safety  
*or*  
 Mechanical Harvesting Safety &  
 Efficiency

**Certification:**

To be certified, CLP candidates must pass an evaluation of their work site within six months of completing the course. Evaluators interview and observe work practices, and then determine whether the logger adheres to the CLP principles. The evaluators recommend certification for the individual logger, to the CLP Board of Directors. Candidates are allowed as many follow-up evaluations as necessary to meet CLP standards.

CLP candidates are offered certification in five separate categories:

- *Conventional* – skidder and chainsaw operators
- *Mechanical* – harvesting and equipment operators
- *Contractor/Supervisor* – employers and individuals who supervise loggers
- *Associate* – people who have an interest in logging but who do not actively log or supervise loggers. This group includes: foresters, truckers, and other stakeholders in the logging industry
- *Apprentice* – graduates of high school and post secondary wood harvesting programs who qualify for apprentice program. Certification may be granted following six months paid experience.

**Re-Certification:**

A one-day re-certification session and field inspection is required within a year after the initial instruction and certification, and every two years thereafter for all categories. CLPs may be re-certified in one of three categories: conventional, mechanical, or contractor/supervisor. Contractor/Supervisor must complete an additional day of job-site supervisor safety training within the first year. Certified

Logging Associates must also attend re-certification classes and demonstrate their knowledge of CLP principles during re-certification field interviews. CLPs are subject to periodic inspections.

### **Re-Certification Courses:**

Currently, CLP sponsors re-certification classes in Directional Felling- levels I-IV, Filing and Reduced Downtime, Reducing Residual Stand Damage, HazMat and Jobsite Safety, Back Safety & Ergonomics for Mechanical Loggers, Harvest Planning & Layout, Jobsite Safety & Evaluation, Certification Systems, & Program Update classes for Supervisor/Contractors. CLP also approves outside workshops for re-certification in topics such as Best Management Practices, business management, estimating timber stand volume, skidder bridge mat construction, and aesthetics. Candidates for re-certification may submit a request to the Board for approval of outside training classes they have attended. Conventional CLP candidates must complete directional felling levels I-III before any other training will count toward their re-certification.

### **Cost:**

The fee for the initial course and certification is \$545 per person, and \$150 for recertification.

### **Training Summary:**

Participants	Total completing CLP certification requirement in 2012	Total fulfilling re-certification requirements in 2012	Estimated # to complete certification training in 2013	Estimated # to complete recertification training in 2013	Total trained since 1991
Logging Contractors	6	69	10	115	657
Logging Employees	59 – mechanical 21 – conventional	310 – mechanical 64 - conventional	55 – mechanical 25 - conventional	430 – mechanical 205 – conventional	1893 – mechanical 2799 – conventional
Others (Foresters/Contract Admins.)	2 – associates	16 – associates	10 - associates	50 – associates	505 – associates
<b>TOTALS</b>	<b>88</b>	<b>459</b>	<b>100</b>	<b>800</b>	<b>*5854</b>

*\*The total number trained does not represent the number of people currently certified. Active CLPs can be found on our website at [www.clploggers.com](http://www.clploggers.com).*

### **Injuries & Illness rate per 100 workers:**

Statistics from Maine's Department of Labor - Maine logging Injury and Illness rate for 2010 is 4.0 per 100 workers. This is 28% less than the average of all other Maine occupations in the private sector.

### **Production Data:**

In 2012, approximately 5 million cords were produced by CLP participants.

**Funding Sources for the Program:**

Actual Income and Expenditures for 2012 – \$173,000.00

## Income Sources:

Participant tuition – 96%

Maine SFI (SIC) contribution – 4%

In Kind (over and above income source) Instruction & Evaluation Time  
(estimated)

## From:

▪ Insurance Co. (MEMIC)	\$25,000
▪ State Agencies (MFS, DEP, IF & W)	\$10,000
▪ SFI	\$7,000
▪ University of Maine Forest	\$1,000
▪ Me. Forest Products Council	\$2,000
▪ Landowners, Mills	\$2,000
▪ Loggers	\$18,000
▪ Maine TREE Foundation	\$12,000
▪ St. Peter Safety Services	\$10,000

Total	\$87,000
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**Online Training Modules:**

(No online training modules were developed or offered in 2012.)

**MARYLAND/DELAWARE  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program  
Name:**

**Maryland/Delaware Master Logger Program**

The Maryland/Delaware Master Logger Program is a cooperative effort of University of Maryland Extension (UME), Maryland Forests Association, Maryland Forest Service, Delaware Forest Service, and the forest products industry in Maryland. A UME educator administers the program under the direction of the MD/DE Master Logger Steering Committee.

**Required  
Courses:**

The core component of the Master Logger Program consists of two modules, Sustainable Forestry and OSHA Logging Safety, and contains 16 contact hours. In addition to completing the Core education modules, participants must provide proof of current First Aid and CPR certification and sign a code of ethics in order to receive their Master Logger certificate. All core courses are generally offered only in correspondence format (see Training Modules below), unless a request for a live class is received. This policy follows a period in which live core courses

were offered and then generally cancelled due to low registration numbers. The core program contains the following topics:

Sustainable Forestry Core (3 days, 12 contacts hours)

Sustainable Forestry I: BMP's Erosion and Sediment Control; Logging Aesthetics

- MD "Green Card" Erosion and Sediment Control Certification
- BMP Regulations
- BMP Principles
- BMP Practices
- Hazardous Chemical Spill Prevention and Control
- Timber Harvesting Aesthetics

Sustainable Forest Management II: Forest Ecology and Silviculture; Forest Certification

- Forest Certification
- Sustainable Forestry Initiative
- Introduction to Forest Ecology
- Introduction to Silviculture

Sustainable Forestry III: Endangered Species; Logger Activism

- History of Endangered species in U.S
- Introduction to the ESA
- Federal ESA regulations
- State Specific RTE regulations
- Description of MD State RTE species
- Introduction to Outreach and Activism
- Activism tools and techniques

OSHA Logging Safety Core (1 Day - 4 hours)

- Presentation of Statistics on Logging Injuries
- Introduction to OSHA Logging Standard
- OSHA Requirements for Timber Harvesting
- Cutting Safety: Chainsaw and Mechanical
- Skidding Safe Practices
- Loading Safe Practices
- Trucking Safe Practices

First Aid and CPR

Training taken and maintained through nationally recognized programs such as American Red Cross or American Heart Association.

### **Continuing Education Courses:**

Participants must complete 8 hours of continuing education courses every two years in order to maintain an “active” status in the program. Maryland offered the following continuing education courses in 2012:

- Log Trucks: Rules, Regs, and Best Practices
- Forest Certification; Skidder Safety; Stream Crossing
- DVD/online video: Forest Pests & Pathogens; Salvage Safety

As a University of Maryland program, MD/DE Master Logger may not conduct job site inspections, due to their nature as an enforcement activity. In the place of site inspections, 20-30 minute tailgate safety sessions are conducted with selected operations every year. In 2012 the tailgate safety session topic was fire safety and prevention.

In addition, program participants can receive CE credit for participating in local forestry boards, taking community college classes, or organizing a tour of their operation. SFI-approved courses taken in West Virginia, Pennsylvania or Virginia may also be submitted for credit. Eligible program participants (those who have not taken the core program in the last two years) can also take the OSHA Logging Safety, Sustainable Forestry I, and Sustainable Forestry III classes for CE credit.

### **Courses scheduled for 2013:**

Core courses will be offered on an as-needed basis in 2013. Core courses are planned for a Glatfelter pulp plant, an urban wood waste recycling company, and a college forestry camp.

CE courses planned for 2013 include:

- Worker’s Comp, accident recovery, importance of physical therapy, and repetitive strain injuries.
- Fire extinguisher training
- How to register as a county/municipal disaster cleanup contractor
- Small business and forest products business assistance and loan programs
- Hardwood bucking

**Training Summary:**

<b>Participants</b>	<b>Actual Number Completing Entire LT&amp;E Program in 2012</b>	<b>Actual Number Attending At Least One Course in 2012</b>	<b>Estimated Number Expected to Complete LT&amp;E Program in 2013</b>	<b>Estimated Number Expected to Attend Some Courses in 2013</b>
Logging Contractors Logging Employees Other				
<b>TOTALS</b>	<b>6*</b>	<b>158*</b>	<b>7*</b>	<b>175*</b>

*\*Records do not indicate job classification.*

**Production**

**Data:** Not Available.

**Program**

**Funding:** Funding for the program is currently provided primarily by assessments of SFI participating companies and grants from Maryland and Delaware Forest Services. Course fees also support program costs.

**Training Modules:**

The MD/DE Master Logger program offers all four core courses live online as webinars, and as recordings in both streaming online video and CD-ROM formats. All four core courses will be updated and offered on DVD in the next few years. The cost is \$30 per logger to take any core course in any format. The popularity of the recorded courses has reduced the need to offer live core courses.

**MICHIGAN  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program**

**Name:** **MI SFI-SIC Sustainable Forestry Education Program**

The MI SFI-SIC Sustainable Forestry Education (SFE) Program is supported by member forest products companies and forest related organizations in Michigan. It is funded through company assessments and administered by the Michigan Forest Products Council through an MOU outlining a semi-autonomous relationship to provide the educational programming. Furthermore, oversight and guidance of the MI SFI-SICSFE Logger Education is provided by the SFI State Implementation Committee that meets throughout the year.

As logger education has matured over the last 15 years changes to the logger education program have occurred that have caused some reshaping of the program and funding in response to this “maturation” process. Some of these changes have been driven by changes in the Sustainable Forestry Initiative (SFI) Standard as revisions were made, while others were made based upon how to improve the overall quality of logger education program here in Michigan.

Beginning in January 1, 2011, MSU Extension is no longer the lead educational provider for logger education in Michigan. Both the industries funding logger education and Michigan State University Extension decided it was time to take the program in a new direction.

The Michigan Forest Products Council is currently organizing the various training curriculum, calendar and schedules. Logger training will be sponsored by a variety of groups including: MFPC, MSUE (limited number of sessions); Michigan Association of Timbermen and others. MFPC is making a more permanent commitment to logger education in Michigan for calendar year 2012 and will be the primary training entity.

**Recap of Michigan Logger Education in 2012**

In 2012, the majority of logger education training was concentrated into two discrete blocks of time over the calendar year (instead of year-round). That period roughly corresponds to spring and fall. These two time periods seem best in Michigan to facilitate attendance by loggers –especially during spring break-up or wet season of the calendar year. In addition, this schedule is designed to conclude training early enough in the fall to determine who had not completed their

continuing education requirements for the year. The need for an additional core training session was determined to be needed and was put onto the schedule for early December.

In 2012, there were 19 SFE Continuing Education training programs and 5 Core Training programs offered across Michigan. MI Forest Products Council and the MI SFI Implementation Committee was the primary provider of SFI training. MFPC began conducting the training beginning in August of 2011. Additional sessions were conducted by instructors from MAT, MAT\_SIF and Bay de Noc Community College.

Other offering on timber cruising and spring logger meetings are also offered for obtaining MI SFI SFE training credits. It should also be noted here that other types of continuing education training programs (for credit hours) which are sponsored by other allied forestry-based organizations in Michigan other than MFPC during the course of the year such as Michigan Association of Timbermen and member companies. MI Department of Agriculture also gave a course on invasive's.

The Michigan Forest Products Council tracks logger training and administers the database. There were a total of 24 classes offered and 188 credit hours available for SFE training in MI.

Since 2006, participation in logger education programs in Michigan is now a requirement by both forest industry as well as the State of Michigan. In 2006, state-owned forestlands in Michigan (managed by the Michigan Department of Natural Resources Forest, Mineral and Fire Management Division) were certified under both the Sustainable Forestry Initiative and the Forest Stewardship Council certification systems.

Under the State of Michigan's certification standards, the MDNR-FMFM has chosen to rely upon the MI SFE Logger Ed program as the criteria for the trained logger status. Any logger or timber company that wishes to bid on and harvest timber from state-owned forestlands must comply with the standards set forth under the MI SFISFE Logger Ed program.

Since the inception of the SFE Logger Education Program, the overall goals of the Michigan SFE program continue to be: 1) to provide needed Core and continuing educational opportunities for loggers, foresters and landowners and 2) to improve the level of communication between loggers, foresters and landowners to enhance the sustainability of Michigan's forestlands. Better training and communication will hopefully lead to more sustainable management of Michigan's forestlands.

**Required Courses:**

NOTE: The MI SFI SFE Core Logger Education Training Program is the only required course in Michigan. However, once logging producers complete the Core Program, a key field member of each crew is required to complete 4 hours of continuing education per year. Loggers can choose which continuing education options that they wish to attend.

The MI SFISFE Core Logger Education Training Program is composed of five workshop modules that total approximately 14 contact hours. Upon completion of the 14 hours, a Certificate of Completion is provided to participants. The five core workshop modules are:

Forest Ecology (2 hours)

The forest ecology module begins with an explanation for the development and establishment of AF&PA's SFIS<sup>SM</sup> program. It outlines the extent of the initiative and the guidelines for successful implementation. The underlying themes are: 1) the concern and action of foresters, loggers and landowners can lead to continued long-term sustainability of our forests for present and future needs and 2) the forest has many interconnections, many of which cannot be seen, that are vital to the maintenance of a healthy forest ecosystem.

Silviculture (1.5 hours)

The silviculture module covers the definition and application of silvicultural treatments to forest management in Michigan. The goal is to show that silviculture has developed systems for the establishment, growth and regeneration of various tree species that are intent upon ensuring stand quality, regeneration, and sustainability. The two underlying themes in this module are: 1) that silviculture is applying the knowledge of forest ecology and silvics to tree growing, and 2) that silviculture is dependent upon forest ecology concepts such as tolerance, site productivity and succession.

Sustainable Soil & Water Quality Best Management Practices (3.5 hours)

The best management practices module covers the description of how and why voluntary best management practices (BMPs) were developed for Michigan, how they can be applied during harvesting operations and how they are being monitored. This module also discusses the laws pertaining to maintaining water quality in Michigan, including when permits are needed, the requirements for permits and the public agencies responsible for issuing permits. The underlying themes in this module are: 1) that BMPs are voluntary; 2) BMPs can be used with little or no additional cost to landowner or logger in many instances; and 3) BMP implementation by loggers, foresters and landowners will be more effective for the ecological and economic sustainability of timber resources than state regulation.

Harvesting Safety Awareness (MIOSHA) (3.5 hours)

The harvesting safety awareness module stresses that timber harvesting is a dangerous occupation that can be made safer with improved adherence to safety regulations. Two underlying themes are: (1) there is a need to minimize hazards for workers, and (2) improved safety records leads to lower worker's compensation premiums. The goal is to make every participant aware of both the legal requirements and the latest safety practices to make the job site safer.

Field Application (3.5 hours or more)

The goal of a field day is to show and discuss many of the topics that were covered in the previous forest ecology, silviculture, and BMP modules. The underlying theme is that the combination of participant experience and knowledge with thoughtful application will provide for the long-term sustainability of forest management in Michigan.

**Continuing Education Programs:** The large amount of the time and effort in the Michigan SFE Program is currently dedicated towards the Continuing Education requirements associated with SFISM. In Michigan, each logging company is required to complete the MSUE SFE Core Training Program *PLUS 4 hours of Continuing Education per year per crew.*

Following is a list of training options that were offered as Continuing Education programs by MFPC and others for the 2012 calendar year:

- Truck safety and mechanical harvesting in Michigan 2 times/locations)
- Forest Health / Invasive's 1 times/locations)
- T &E Species and Protecting Special Sites (7 times/locations)
- Safety Refresher (1 times/locations)\*
- Bucking for grade (2 time/locations)

(Additional Note: Time of day that these programs are offered varies; most are now 4 hour time slots in the morning, afternoon or evening during the work-week, while a few others are day-long 8 hour sessions. A mix of time slots and locations are offered to enable loggers to choose what best suits their individual needs and/or operation.)

**Summary:** Approximately 750 loggers and foresters participated in the MI SFI IC training program in 2012

**Additional Courses Available:**Safety Training:

Safety training, while important, is not the primary focus of the SFE Logger Education Program. While safety is addressed in all the SFE Core Training Programs (i.e. the MIOSHA Logging Standard, etc.) and in a few SFE Continuing Ed sessions throughout the year, there are other organizations in Michigan who conduct logger safety training on a more regular basis.

Industry and company meetings:

A few training opportunities are scheduled in with many day long spring logger meetings. These meetings may be sponsored by various trade associations of companies. We are moving away from these type of events based on logger feedback from a MAT survey conducted in 2012.

**MINNESOTA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** David Chura Executive Director  
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 Minnesota Master Logger Certification Program (MMLC)  
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 Web Page: [www.mlep.org](http://www.mlep.org) – sign up for our monthly eUpdate!  
 Facebook:  
[www.facebook.com/pages/Minnesota-Logger-Education-Program/149152883925](https://www.facebook.com/pages/Minnesota-Logger-Education-Program/149152883925)  
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**Program**

**Name:** **Minnesota Logger Education Program**

The Minnesota Logger Education Program (MLEP) is a logger-initiated program established in 1995 to provide assistance to Minnesota's logging community through educational programming. This objective is accomplished by partnering with numerous groups to identify needs and facilitating the development design, delivery, and evaluation of programs which focus on sustainable forest management, transportation, safety and business management. MLEP, which is based in Duluth, MN, is a 501(c)(3) organization.

The Minnesota Logger Education Program is governed by a thirteen-member board of directors representing the Associated Contract Loggers and Truckers, Timber Producers Association, Minnesota Forestry Association, Department of Natural Resources, University of Minnesota, timber industry and environmental/conservation community. MLEP is committed to ensuring our training meets the expectations of loggers and industry - and the scrutiny of certification programs, customers, opinion leaders and the public.

MLEP membership is comprised of logging business owners, wood dealers and associate members. Membership is voluntary and reflects the commitment of logging business owners to safe, productive, and environmentally responsible timber harvesting. MLEP is funded through membership fees and grants.

Beyond its primary logger education focus, MLEP was involved with the development of Minnesota's Public Concern Registration Process and is a member of the Minnesota Sustainable Forestry Initiative<sup>®</sup> (SFI<sup>®</sup>) State Implementation Committee (SIC). MLEP is active in public outreach and landowner education efforts. Finally, MLEP has played an important role in assisting research efforts and the collection of information related to effective

program planning and funding strategies for logger education programming throughout the United States.

Minnesota Master Logger Certification - [www.mlep.org/mmlc.htm](http://www.mlep.org/mmlc.htm)

Minnesota Master Logger Certification (MMLC), as administered through MLEP, is a performance-based program for loggers that recognize training, experience, and the application of specific practices. MMLC has been endorsed by Time Inc. as meeting the requirements of their Certified Sustainable Forestry program. The Minnesota Master Logger Certification Program is a third-party audited certification of a logging operation's business and harvest practices. As of February 1, 2013, there are 45 Minnesota Certified Master Loggers. Five of the 45 are in the process of being recertified.

**Required Courses:**

The Minnesota Logger Education Program, in cooperation with the Minnesota SFI<sup>®</sup> Implementation Committee (SIC), agree that to be considered (1) a "qualified logging professional (QLP)" in Minnesota (as defined in the SFI 2010-2014 Standard) and (2) maintain your MLEP membership you must meet the following requirements:

First-year training requirements

Provisional members (applicants) are required to attend three days of training covering safety, first aid, CPR, and Minnesota's Forest Management Guidelines (BMPs).

Guideline Training: 16 hours of training on the Forest Management Guidelines  
Safety Training: 8 hours of first-aid and CPR training is required (LogSafe)

Annual training requirements

To maintain MLEP membership, a business owner and/or an "in-woods" person actively responsible for the logging site must attend:

Safety Training - Twelve (12) hours of safety training every two years  
Four (4) hours of CPR  
Four (4) hours of First-Aid  
Four (4) hours of Safety Training

Continuing Education - Twelve (12) hours of MLEP training every two years.  
Mix of 4 and 8 hour workshops:

Logger Conferences: Logger conferences will include a review of monitoring and audit results, any necessary and required contractor training and breakout sessions which address sustainable forest management, transportation, safety and business management topics.

Professional Training: Professional training workshops focus on specialized training in one of the following topic areas: sustainable forest management, transportation, safety and business management.

MLEP training addresses Indicators 1a-1j of Objective 16, Performance Measure 16.2 of the SFI 2010-2014 Standard.

At a minimum, SFI requires the business owner and one “in-woods” person actively responsible for each logging site must be a “qualified logging professional”. In some cases, the business owner may also be the “in-woods” person.

#### Logger Certification

The Minnesota SIC recognizes the Minnesota Master Logger Certification program as meeting the requirements for a credible logger certification program as detailed in Objective 16, Performance Measure 16.2, Indicators 2a-2h of the SFI 2010-2014 Standard. Further, a Minnesota Certified Master Logger is recognized by the SIC as a “certified logging professional (CLP)” as defined by the SFI 2010-2014 Standard.

#### QLP and CLP Lists

The electronic training record [database](#) maintained and distributed quarterly by MLEP provides a timely training record history of all QLPs in Minnesota. Additionally, a list of all current CLPs can be accessed on our website (Objective 9, Performance Measure 9.1, Indicator 2 of the SFI 2010-2014 Standard).

### **Course**

#### **Descriptions:** Forest Management Guidelines Field Training

Training on Minnesota’s Forest Management Guidelines is available [online](#). The eFMG training provides an introduction to Minnesota’s Forest Management and Biomass Harvesting Guidelines. All new MLEP members, as well as those reapplying for MLEP membership, are required to complete this training.

After finishing the training, participants will be knowledgeable of the Guidelines and how to implement them in their sale design and harvest operations. The online course is a series of modules that provide an overview of the Guidelines. Topics include: cultural resources, forest soils, riparian areas, wildlife habitat, stream & wetland approaches & crossings, spills, water diversion and erosion control, planning considerations and tools, visual quality and waterbody identification in the context of timber harvesting and forest road building.

Other MLEP continuing education training workshop options and descriptions

- 2013 <http://www.mlep.org/trainingcurrent.htm>
- 2012 <http://www.mlep.org/training2012.htm>
- 2011 <http://www.mlep.org/training2011.htm>
- 2010 <http://www.mlep.org/training2010.htm>

- 2009 <http://www.mlep.org/training2009.htm>
- 2008 <http://www.mlep.org/training2008.htm>
- 2007 <http://www.mlep.org/training2007.htm>

### **Online Training Options**

- <http://www.mlep.org/trainingonlinemain.htm>

Training Notes and Summaries from our workshops are available at:  
[www.mlep.org/trainingNotes.htm](http://www.mlep.org/trainingNotes.htm)

### **Annual Membership**

#### **Renewal:**

To maintain MLEP membership status, each business owner must provide verification of the non-educational requirements listed above, submit a membership renewal fee based on their annual timber volume, and attend two days of continuing education each year. Specific topics incorporated into training sessions will be determined on a year-to-year basis by the Board of Directors from among the following topic areas:

- Sustainable Forest Management
- Transportation
- Business Management
- Safety

#### **Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	399		430	
Logging Employees	205	1161 (C&E)	200	1100 (C&E)
Natural Resource Mgr	21	35	20	40
<b>TOTALS</b>	<b>625</b>	<b>1196</b>	<b>650</b>	<b>1140</b>

**Production Data:** Survey updates indicate that MLEP members are responsible for harvesting more than 95% of the state's annual harvest of 2.7 million cords

**Program Funding:** The Minnesota Logger Education Program is primarily funded through membership dues, some course fees and periodic grants. Logging business memberships are from \$175-\$350 annually. As a benefit of membership, almost all of MLEP's continuing education courses are free of charge for members and their employees.

More information on our funding and budget are included in our Annual Reports:

MLEP - <http://www.mlep.org/documents/mlepannualrept2011.pdf>

MMLC - <http://www.mlep.org/MMLC/mmlcannualrept2011.pdf>

**MISSISSIPPI  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:**

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**Program****Name:****Mississippi Professional Logging Manager Program**

The Mississippi Logger Education Council and the Mississippi State University Extension Service have developed a comprehensive continuing education program for loggers. The program is designed for loggers and their key employees, as well as other participants in the wood supply system.

The Mississippi Logger Education Council developed an operating budget, which includes revenue from the state's forest products industry in the form of an assessment per ton of wood consumed by each company that elects to support the program. However, the majority of funding is generated from registration fees that vary by program offering to cover the costs of materials and breaks. In 2012, 354 individuals attended one or more of the core set of classes. An additional 2,017 individuals or companies participated in program sponsored or approved continuing education activities.

Recently, the State Implementation Committee has decided that individuals who have not met certain requirements will be dropped from the program and must start over again if they wish to renew their PLM Status. This will change the numbers reported here and in other publications. Starting next year, we will no longer be able to report numbers since the beginning of the program in 1996. The only numbers available will be for the current and previous continuing education periods.

**Required  
Courses:**

This Program includes training in the following areas:

- 1) Introduction to the Sustainable Forestry Initiative
- 2) Best Management Practices
- 3) Timber Harvesting and Transportation Safety
- 4) Logging Business Management
- 5) 12 Hours of Continuing education every two years (next deadline is December 1, 2014).

**Other:** During 2013, we will continue to offer all four core workshops as well as continuing education programs.

**Training  
Summary:**

<b>Participants</b>	<b>Actual Number Completing Entire LT&amp;E Program in 2012</b>	<b>Actual Number Attending At Least One Course in 2012</b>	<b>Estimated Number Expected to Complete LT&amp;E Program in 2013</b>	<b>Estimated Number Expected to Attend Some Courses in 2013</b>
<b>Number of individuals</b>	<b>354</b>	<b>2017</b>	<b>150</b>	<b>1000</b>
<b>TOTALS</b>	<b>354<sup>1</sup></b>	<b>2017<sup>2</sup></b>	<b>150<sup>1</sup></b>	<b>1000<sup>2</sup></b>

<sup>1</sup>Total individuals completing core program plus 12 hours of continuing education

<sup>2</sup>Total individuals either participating in core OR submitting continuing education credits

**Production**

**Data:** Accurate production figures are not available.  
It is estimated that over 90% of total production is delivered by PLM Loggers.

**Training Modules:** No online training modules were developed or offered in 2012.

**MISSOURI  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Steve Fritz  
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[www.moforest.org](http://www.moforest.org)

The Missouri Forest Products Association (MFPA) sponsors the voluntary logger training and education program in the state of Missouri. In addition to the Board of Directors, a separate Education Committee, composed of twenty members representing logging, industry, landowners, consulting foresters, the state forester's office, and the university extension office oversees the program.

**Program**

**Name:** **Professional Timber Harvester (PTH) Program** includes:

1. One 8-hour forest management session emphasizing the implementation of BMPs.
2. Four 8-hour hands-on sessions which emphasize safety, cutting and felling techniques and proper equipment maintenance.

The PTH Program is fortunate to have Joe Glenn as the instructor for the hands-on sessions that teach "Game of Logging" techniques to Missouri's loggers. Currently, there are 330 loggers who have completed and maintained current status by completing the annual CE requirement.

A certificate of completion is issued which expires annually. An average of 70 participants complete this track each year.

**Continuing  
Education:**

We require one mandatory session each year. Classes we conduct include Advance BMP, Forest Management & Silviculture, Logging Profits, Skidder, and Storm Damage. Loggers can also submit approval for classes conducted outside our curriculum.

**Program****Funding:**

The PTH Program is partially funded by the registration fees paid by participants. The 5-day core program cost is \$155 for MFPA members. In addition, the Missouri Department of Conservation (MDC) provides an annual grant of \$80,000 and requires that all loggers who bid on State timber sales must be PTH Program certified.

**Other:**

Logging Competition: Annual education competition to evaluate loggers' skills, to introduce new techniques, and to provide a competition to showcase logger training.

**Training Summary:**

<b>Participants</b>	<b>Actual Number Completing Entire LT&amp;E Program in 2012</b>	<b>Actual Number Attending At Least One Course in 2012</b>	<b>Estimated Number Expected to Complete LT&amp;E Program in 2013</b>	<b>Estimated Number Expected to Attend Some Courses in 2013</b>
<b>Logging Contractors Logging Employees Other</b>				
<b>TOTALS*</b>	<b>80</b>	<b>402</b>	<b>75</b>	<b>420</b>

*\*Job classification was not provided.*

**Production****Data:**

Not available.

**Training Modules:**

Two DVD's (Invasive Species-Stop the Spread, TEAM Fire Safety) which included a short test were provided to loggers unable to attend "live" training in 2012.

LT&E on-line training modules: We are currently in the process of developing courses to offer in 2013.

**MONTANA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Keith Olson, Executive Director  
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**Program**  
**Name:** **Accredited Logging Professionals**

Logger training in Montana began in 1994 when the MLA established Montana's "Accredited Logging Professional" (ALP) Program. As of January 2012, the program lists 132 active professional loggers in Montana.

The educational requirement for attainment of ALP status is completion of a 56 credits/hours curriculum. The annual requirement for retention of ALP status is 32 credits/hours.

The heart of the attainment phase of ALP is completion of Montana's "Forest Stewardship Workshop for Loggers," a 40 credit/hour mandatory course developed by extension forestry, which essentially mirrors the Forest Stewardship workshop developed for Montana landowners in 1991.

The ALP Program is a voluntary commitment by individual logging professionals overseen by a steering committee of ALP members and, in recent years administered in concert with Montana's SFI program through the Montana Forest Council.

The Forest Stewardship Workshop for Loggers is team-taught by Certified Stewardship Advisors through the cooperation of Extension Forestry – Montana State University.

The MLA believes this successful voluntary ALP Program operates in place of a state regulated certification or licensing program.

**Required Courses:**

Specific elements of Montana's ALP program include the following requirements:

**Forest Stewardship Workshop for Loggers**

A five-day workshop held in both classroom and field settings, with instructional materials on topics including...

- 1) How to read the forest. Is it healthy?
- 2) Identification of plants critical to forest health.
- 3) How to measure wildlife and livestock use in the forest.
- 4) How to develop a Forest Stewardship Plan.
- 5) The responsibilities of a professional logger.

**Logging Safety Training**

The development of a dynamic written safety program for logging operations including annual First Aid and CPR instruction for crew members.

**Demonstration Field Audits**

Since 1996, field audits have been conducted to provide loggers with decision-making skills that use Best Management Practices to avoid resource degradation.

**Other:**

Required 32 hours of continuing logger education annually for company owners to maintain proficiency and ALP accreditation. Continuing education hours must be allocated to instruction in three areas:

- Forest Stewardship/Forestry (16 hours)
- Safety Hazards & Loss Prevention (8 hours)
- Operational Sustainability (8 hours)

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	111	936	120	950
Logging Employees	19		25	
Other				
TOTALS	130	936*	145	950

\* Records do not indicate job classification.

**Production****Data:**

MLA estimates that 70% of the 450 MMBF annually harvested in Montana is produced by ALP loggers.

**Program****Funding:**

Base funding for the program is supplied through the Montana Forest Council (MFC), consisting of the MLA, the Montana Wood Products Association and SFI-participating members in Montana.

Minimal funds are also generated through individual workshop registration fees. Of worthy note, many workshop instructors volunteer their time, requiring that only expenses be reimbursed.

**Training Modules:**

(No online training modules were developed or offered in 2012.)

**NEW HAMPSHIRE  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Eric Johnson  
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Website: [www.nhtoa.org](http://www.nhtoa.org)

**Program**

**Name:** **New Hampshire Professional Loggers**

New Hampshire's Professional Loggers Program (PLP) is operated under the auspices of the New Hampshire Timber Harvesting Council in cooperation with the New Hampshire Timberland Owners Association, UNH's Thompson School of Applied Science, and the UNH Cooperative Extension. NH PLP is endorsed by the Sustainable Forestry Initiative.

PLP is a voluntary certification program open to anyone gainfully employed in the harvesting of timber, including trucking. To initially certify as a PLP graduate, 32 hours of course work are required in a two-year period. The NH Timber Harvesting Council now has free, on-line access to its Logger Directory available from [www.nhtoa.org](http://www.nhtoa.org). A total of 34 workshops were conducted during 2012 with a total attendance of 612.

**Required**

**Courses:** For loggers, equipment operators, and others engaged in logging, four core areas of instruction (eight hours each) are required:

**Fundamentals of Forestry**

- 1) New Hampshire forest history
- 2) Basics of silviculture
- 3) Basics of tree management
- 4) Basics of wildlife management

**Safe and Productive Felling**

- 1) OSHA guidelines
- 2) Safety apparel
- 3) Safe saw handling
- 4) Open face felling

**Timber Harvesting Law**

- 1) Applicable state laws and taxation
- 2) State BMPs
- 3) Wetlands Identification

**First Aid and CPR**

- 1) First Aid and CPR training
- 2) Accident response & evacuation plan

**Note:** For truckers, a **Safe Trucking** course is added, substituting for **Safe and Productive Felling**.

**Certification****Requirements:**

Initial certification is for four years. First aid/CPR is required every two years and provides 1/2 of the credits (16 of 32) needed for re-certification. To maintain certification, loggers/truckers need to take only one class per year.

**Continuing****Education****Courses:**

Courses offered by NH PLP that qualify for continuing education credit are: Advanced Felling, GPS for Loggers, Mechanized Logging, Welding-basic & advanced, and Best Management Practices.

The NH PLP Education Committee will meet in June to develop more CEU workshops for the fall. The highest percentage of enrollees will be those in need of re-certification.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors Logging Employees Other (out of state)				
TOTALS*	59	612	40	625

**Production****Data:**

Estimated annual production from PLP certified loggers: 150 MMBF saw logs, and 700,000 cords pulpwood or other fiber products.

**Funding Sources for the Program:**

Class fees

Fund raising at the Annual Loggers and Truckers Convention

Contribution from SFI

Membership dues

Grant funding from NH Charitable Foundation

**Online Training Modules:**

(No online training modules were developed or offered in 2012.)

**NEW MEXICO  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Jose J. Varela Lopez Executive Director  
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**Program**

**Name:** **Forest Worker Safety Certification (FWSC) Training Program**

The purpose of the FWSC Training Program is to develop, support and provide a course curriculum to improve knowledge and implementation of safe forestry practices in New Mexico. The FWSC curriculum is designed for loggers and thinners. The curriculum is approved by the New Mexico Division of Insurance and Workers' Compensation Administration. Successful graduates are entitled to reduced Workers' Compensation insurance premiums. First time participants take a three-day course. An annual one-day re-certification is required in order to maintain reduced insurance premiums.

**Required  
Courses:**

<u>Description</u>	<u>Classroom/Lecture/Discussion/Field</u>
Full-certification (first time)	
• Dynamics of Southwestern Forests	1.5 hours
• Safety Requirements	5 hours
• Chain Saw Maintenance and Operations	3.5 hours
• Chain Saw Tasks and Techniques	4 hours
• Hazardous Materials: Awareness and Mitigation	1.5 hours
• Logging Equipment and Transportation Safety	3 hours
• Field Demonstration	3 hours
• Final Exam	1 hour
• Forest Worker First Aid/CPR	8 hours
	Completed in three days
Re-certification (annual renewal)	
• Forest Worker First Aid/CPR	4 hours
• Field Demonstration	<u>4 hours</u>
	Completed in one day

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Submitting Renewal Credits in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Renewal Courses in 2012
Logging Contractors Logging Employees Other				
TOTALS*	128	108	150	130

*\*Records do not indicate job classification*

**Program****Funding:**

Funding for the FWSC comes from a combination of sources including:

- NM State Legislature
- Grants
- Participant contributions
- In-kind donations

**Training Modules:**

(No online training modules were developed or offered in 2012.)

**NEW YORK  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** New York Logger Training, Inc.  
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Phone: 518/463-1297 x3  
Fax: 518/426-9502  
Website: [www.newyorkloggertraining.org](http://www.newyorkloggertraining.org)  
e-mail: mchurch@esfpa.org

**Program**

**Name:** Trained Logger Certification Program (TLC)

TLC is operated by New York Logger Training Inc., a non-profit organization that coordinates logger training activities in New York. NYLT's Board is comprised of predominately loggers, as well as representatives from industry, academia, State government, and foresters. NYLT has been issuing Certification since 1996.

TLC requires a participant to attend an initial core set of courses that certify him for 3 years. For continued certification, TLC graduates must take 3 credits (full day workshops) of accredited elective training courses. Individuals who have allowed their certification to expire may be eligible for reinstatement by meeting certain Continuing Education criteria and applying to the Certification Committee.

**Required**

**Courses:** Three required core courses (8 hours each) cover the following topics:  
Forest Ecology and Silviculture (includes BMPs)  
Chain Saw Operation, Safety and Productivity (Game of Logging™ used)  
First Aid Training and CPR

In addition to the workshops offered, two Forest Technician degree programs are accredited to bestow TLC to qualified students.

**Other:**

Certification is valid for three years. 3 Continuing Education credits over the three year certification period and proof of valid First Aid and CPR are required for recertification. Workshops are available through existing providers or developed and presented by NYLT. Last year, course topics included:

<u>Game of Logging</u>	<u>Invasive Forest Species</u>
<u>Header Planning &amp; Safety</u>	<u>Hazard Trees</u>
<u>Streams, Wetlands and BMPs</u>	<u>Mechanized Harvesting</u>
<u>Critical Injury Response for Loggers</u>	<u>Intro to GPS</u>

As of August 1, 2010, the NYS Department of Environmental Conservation required TLC for all persons working on state forestlands on contracts in excess of \$ 500.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	420	570		
Foresters/Logging Administrators	33	61		
Other				
TOTALS*	453	631	300	400

*\*Records do not indicate job classification – NYLT workshops are open to all participants regardless of affiliation or job description.*

**ProductionData:** Production data for certified loggers only is not available.

**Funding Sources for the Program:**

Grants: 60% NYLT through a Grant to the Empire State Forest Products Association has been awarded New York State Department of Labor Hazard Abatement Board Occupational Safety Training & Education grants to assist with developing and conducting safety training courses. The SFI Implementation Committee and private companies make up the balance of the grant funding.

Participant Fees: 40% - all workshops have a registration fee.

In-Kind Services: NYLT depends upon the generosity of industry, consultants, non-profit groups, extension, college, and state agriculture and forestry departments, and OSHA personnel for instructors, classroom meeting space, and field locations. We work closely with Vocational and Technical schools to provide training opportunities and materials so that graduates qualify for certification.

**Online Training Modules:** (No online training modules were developed or offered in 2012.)

*Note - We see activity in 2013 slowing down since we had a large increase in demand resulting from the state requiring TLC in 2010. That initial large workload has slowed. We are changing from a workshop fee based operation to an administrative fee based system since SFI support is likely to decrease as land is being sold and new owners are uncertain about pursuing SFI certification.*

**NORTH CAROLINA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Jack Swanner  
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**Program**

**Name:** North Carolina ProLogger  
The North Carolina Forestry Association (NCFA) ProLogger Program provides information and training in several major areas:

**Required**

**Courses:** Safety  
Business Management  
Transportation  
Forest Management and Environment

These courses have been approved by the North Carolina Department of Community Colleges as continuing education courses able to be taught at any of the state's 58 community college locations. Registrations are sent to the NCFA with a check for \$225.00 to cover college fees, class workbooks and instructor fees. A portion of the registration fee is allocated to membership, with all registrants becoming NCFA members. Instructors are provided by the Division of Forest Resources, NC Dept of Labor (OSHA), Forestry Mutual Insurance, NC State Highway Patrol, NC Department of Agriculture, American Tree Farm System, NCFA staff, and others. They also provide support for the annual continuing education requirements. Class content is updated as conditions warrant.

Each fall, schedules are established for the coming year's classes. Three are normally held each year at different geographic locations across the state. NCFA contacts the closest community college and schedules the classes. The three basic concepts are interspersed over a three-day period.

The final day of training consists of a visit to an active logging site. Topics discussed during the indoor sessions are applied in a practicum addressing safety, environmental, and business issues. Upon completion of ProLogger Training, the NCFA keeps participants posted of any upcoming workshops or events that are available regarding logger education and information via website and the Treeline, the monthly newsletter. Occasionally, direct mailings are sent to each current ProLogger.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	47	855		
Logging Employees	10	290		
Other	8	314		
<b>*TOTALS</b>	<b>65</b>	<b>1459</b>	<b>70</b>	<b>1459</b>

*\* Combined totals*

**Production****Data:**

Estimated that 85% of all forest products produced in the state is from trained loggers.

**Continuing****Education:**

The continuing education requirement for the ProLogger program is an annual training program which is developed by the NCFA. The year runs from July 1<sup>st</sup> – June 30<sup>th</sup>. There is an annual fee of \$100 which includes all class fees and membership in the NCFA. There are 1459 ProLoggers who have met the requirements for the 2011-2012 year.

**Additional****Training****Available:**

Defensive Truck Driver Training– A four-hour course, typically on Saturday mornings, for truckers and boss loggers who want to learn how to drive defensively and to plan logging sites to avoid crashes involving trucks.

Continuing Education Modules – A ten-volume series of three-hour training sessions are available to facilitate the annual continuing education requirement. Included in the series are the following topics:

Module 1 – (Obsolete)

Module 2 – Water Quality Field Session (one hour); Stream Identification and Classification (one hour); Keep NC Green and Growing (one hour).

Module 3 – Equipment Operation Safety (Feller Buncher, Skidder, Chain Saw) (one hour); Knuckleboom Loader Operation (one hour); Oil Spills and Hazardous Communication (one hour).

Module 4 – SFI for Professional Loggers (one hour); Forestry Aesthetics (one hour); BMPs for Land Management Contractors (one hour).

Module 5 – 4x4 Off Road Driving/In the Company of Trucks (one hour); Coaching the Professional Logger (one hour); Loss Control for the Professional Logger (one hour).

Module 6 – Overhead Hazards/Slips Trips and Falls (one hour); Bridgemats and Stream Crossings (one hour); Planning and Managing a Logging Job (one hour).

Module 7 – Log Deck Safety (one hour); BMP's for Skid Trails (40 minutes); OSHA Regulations (40 minutes); Hazard Materials Regulations (40 minutes); Equipment Maintenance (30 minutes).

Module 8 - NC Best Management Practices for Improving Water Quality + What to Expect From a Division of Forest Resources Inspection. NC implemented new BMPs for water quality late in 2006; this 3-hour DVD reviews changes and BMPs for improving water quality. Although fairly specific to North Carolina, other states could find it beneficial as well.

Module 9 – Skidder Safety; Guide to Insurance for Loggers; Load Securement for Roundwood; Transporting Construction Equipment; Threatened and Endangered Species for Loggers; this 3 hour training is the annual requirement for anyone who intends to maintain ProLogger status for the following year.

Module 10 – Storm Damage Safety (Chainsaw Operations); Safe Operating Around Power Lines; Logging Safety on Slopes; FRA Trucking Efficiency Workshop; Wood Chipper and Grinder Safety.

Module 11 (new for 2010-11) - BMPs for Sediment & Erosion Control; Better Stream Crossings Using Portable Skidder Bridges; Truck Cost Efficiency; CSA 2010; New Entry DOT Audits; Invasive Species

Module 12 – Operation Lifesaver, Be Seen Be Alive , Storm Damage , Field Technology , T.E.A.M. Fire Safety , PPE Review

Module 13- In The Company of Trucks, Survivor Run, Green Light to Home, Rules& Regulations For Forest Trucking, BMP Review, NC Tree Farm Overview

Each module is self-contained and can be presented by a registered forester or another similarly qualified individual. Modules can be rented separately or purchased as a set. The concept is centered on convenience: a small group of

loggers needing continuing education credits can order a set and arrange training on very short notice. Training is tracked on the NCFA ProLogger database that is available to the public via web search.

**Program**

**Funding:**

The ProLogger program initial (one-year) registration fee is \$225 per participant; this covers community college fees, class workbooks, and instructor fees. A portion of the registration fee is allocated to membership, with all registrants becoming NCFA members. Continuing/renewing ProLogger program participants pay an annual fee of \$100 which includes all class fees and membership in the NCFA. Registration fees cover approximately 80 percent of the ProLogger program costs. The balance is provided through NCFA funds and grants.

**Training Modules:**

(We do not have online training developed for North Carolina.)

**OHIO  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program****Name:** **Ohio Master Logger Program**

The Ohio Master Logging Company Program is sponsored by the Ohio Forestry Association, Inc. and is administered by the Logging Standards Council. It is a voluntary logging company certification in a three-day program format. Individuals passing the certification test in Ohio can transfer training to the West Virginia program (W.Va. has additional licensing requirements), Kentucky program (Kentucky has additional licensing requirements), and Pennsylvania program (Pennsylvania has additional licensing requirements). Loggers certified under West Virginia's Logging Sediment Control Act may apply for Ohio's voluntary certification.

**Required****Courses:**

Three core courses are required in the following subject areas:

First Aid and CPR (arranged with local agencies, and must be Red Cross, American Heart Association, National Safety Council or equivalent training). OFA Loggers' Chapters own four mannequins for training purposes. Lease @ \$5 per person for repair/replacement.

Chain Saw Safety Training - Vendors certified by Logging Standards Council of OFA; Chainsaw Safety Awareness that Works (CSAW) program offered by three designated Ohio trainers.

Best Management Practices - One program certified by Logging Standards Council of OFA: One-day statewide program, ½ day in class, ½ day in field.

**Other:** OFA certifies logging companies, not individual loggers. Recertification for logging companies, required every three years, includes the following subjects:

First Aid/CPR - must possess valid cards

Workers' Compensation Certificate

BMP Review - (two hours)

Chain Saw Safety - (two hour)

General Safety and New Issues Training - (four hours)

The logger/company manager also must attend nine OFA Loggers Chapter meetings over a three-year period. (OFA Loggers Chapter meetings often include continuing education classes.).

**Training Summary:**

Participants	Actual Number Completing** Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors Logging Employees Other				
<b>TOTALS*</b>	<b>97</b>	<b>292</b>	<b>80</b>	<b>275</b>

\*Records do not indicate job classification.

\*\*Currently, there are 133 Ohio Master Logging companies and 200 trained loggers

**Production Data:**

Not Available.

**Additional Training Available:**

- 1) CSAW Levels 1 & 2
- 2) "Partnerships for Sustainable Forests" (SFI<sup>SM</sup>-oriented) logger & landowner workshops

OFA Loggers' Chapters quarterly or monthly meetings: Eight chapters with approximately 160 members (total) offer programs at meetings concerning health and safety issues using OFA resources and outside consultants.

Ohio Forestry Association BWC (Bureau of Workers Comp) group program: Offers quarterly seminars covering: (1) Employer/employee responsibilities for safety in the workplace, (2) Writing a comprehensive safety plan, (3) HAZCOM and lockout/tagout, (4) Skidder/loader training (field training), and (5) Compensation claims management.

**Program Funding:**

Current program support is provided in part by the Ohio Forestry Association's Workers' Compensation Self-Insurance Fund, SFI member companies, and ODNR Division of Forestry.

**Training Modules:** N/A - no online modules.

**OREGON  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program  
Name:**

**Oregon Professional Logger Program (OPL)**

Associated Oregon Loggers (AOL) established the Oregon Professional Logger program (OPL) in October, 1995. The OPL program is a voluntary professional standard that accredits logging operator companies for their continuing education in the areas of forest practices, safety, business, and sustainable forestry. Across Oregon, logging operator companies--such as loggers, road builders, and other forest contractors--participate in OPL to satisfy standards set out by forest landowners and mills they do business with.

The OPL accreditation program is recognized by the State Implementation Committee of Oregon -- Sustainable Forestry Initiative (SFI). The OPL program is also recognized by American Logger Council's Master Logger Certification (MLC). Each OPL qualified logging operator satisfies standards for the MLC.

**Required  
Courses:**

*Administration:* Associated Oregon Loggers Inc. administers the program and gives recognition for approved continuing education completed by an OPL company. AOL retains all training records, provides training calendars, and assigns credits for training offered by other providers. A written '*OPL Standards Handbook*' governs the transparent and equitable administration of the OPL program by AOL.

*Enrollment:* Logging operator participation requires enrollment in the OPL program. AOL makes the program enrollment available to members as a free service, and to non-members for a subscription fee.

*Self-Determined:* A logging operator may select and attend education programs that they self-determine are beneficial to their specific business. OPL credit standards (defined below) specify the core-required classes.

*Governance:* The standards for the OPL program are directed by two 7-member committees—both comprised of AOL Oregon logging operators.

*Delinquency:* OPL operators remain in good standing until either of four conditions apply: 1) delinquent annual maintenance credit; 2) non-payment of enrollment fees; 3) sanctioned for discrediting conduct; and/or 4) resignation.

*Operations Review:* OPL encourages logging operator understanding of Oregon Forest Practices Act & Rules, as well as sustainable forestry principles and regulations. If an OPL operator's actions discredit the OPL program, an Operations Review Committee would review the case and render appropriate OPL sanctions.

*Credit Standards:* Qualified OPL training is offered by many education providers around the state, including AOL. To initially earn Oregon Professional Logger status, a company must accumulate 32 credit hours of qualified education. Completion of training in two categories of approved education by any working owner or employee qualifies for program credit. Thereafter, a minimum of 10 credit hours per year is required to maintain a company's OPL status through the next calendar year. Two categories of approved education as follows:

Category A - Forest Practices: Oregon Forest Practices Act & Rules programs, offered by a variety of providers—in cooperation with instruction by state foresters with the Oregon Dept. of Forestry. Associated Oregon Loggers coordinates a number of Forest Practices seminars annually. Of the initial 32 credit hours, the 6-hour '*Basic Forest Practices Workshop*' must be completed. The '*Basic Forest Practices Workshop*' is co-sponsored by Oregon Dept. of Forestry and AOL. For OPL maintenance status, each year at least four of the 10 required credit hours must be completed in Category A-Forest Practices. Completion of the SFT-Video Employee Training is required to satisfy one (1) OPL-FP credit for both OPL Initial and Maintenance. Credit is recognized for verifying that a company's field employees have completed the video-based employee training module, called '*Sustainable Forestry Training for Logging Operators*' (SFT). ODF and AOL periodically offer additional Category A-Forest Practices short-programs, applicable toward OPL maintenance status.

Category B – Operator Business & Forestry: Qualified education includes, but is not limited to, forest business, harvesting, road construction & maintenance, operational methods, forestry, forest protection, and sustainable forestry principles. Category B also includes other forest-related business such as, bidding & negotiation, contracting, safety, insurance, first aid, emergency response, loss control, regulations, marketing, taxes, finances, accounting, costing, bookkeeping, computers, supervision, wage & labor law, forest policy, ethics, hiring practices, and other forestry or small-business management. Safety topics include return to work, workers' compensation, claims management, safety incentive, MOD calculation, recent court cases, legal matters, OR-OSHA regulation, etc. Formal loss control assessments and forest practices consultations also qualify for credit.

**Production****Data:**

As of December 31, 2012, 596 logging operator companies maintain their Oregon Professional Logger status, representing roughly 60% of the state's estimated 995 logging companies. AOL projects that they produced an estimated 3.1 billion board feet (80%), of Oregon's estimated 3.9 billion board foot timber harvest statewide in calendar-year 2012.

**Training Summary:**

Participants	2/ Actual Number Completing Entire LT&E Program in 2012	3/ Actual Number Attending At Least One Course in 2012	2/ Estimated Number Expected to Complete LT&E Program in 2013	3/ Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	596	827	620	825
Logging Employees		2320		2300
Other				
1/ COMPANY TOTALS	596	3147	620	3125

*1/ OPL accreditation is based on company recognition – therefore the number of trained employees from each logging operator company is not recorded.*

*2/ Number of OPL qualified logging operator companies at year-end*

*3/ Number of enrolled logging operator companies attending OPL qualified courses during the year; and number of employees attending an Oregon Forest Practices education program.*

**Additional****Courses****Available:**

*'Basic Forest Practices Workshop' and Forest Practices Classes*

Oregon Department of Forestry (ODF) and AOL co-sponsor a 6-hour course addressing fundamentals of Oregon's Forest Practices Act & Rules. The co-sponsors also periodically offer a variety of forest practices short-courses (1-4 hours), covering current state forest regulation topics, involving either fire prevention, forest practices, or sustainable forestry matters. Landowners and mills also sponsor meetings/seminars, which may qualify for OPL Forest Practices credit.

*'Sustainable Forestry for Logging Operators' (SFT-Employee Training)*

A 25-minute DVD-based training program is an OPL requirement for all logger field employees. The purpose of the SFT is to better educate the workforce in sustainable forestry principles, Oregon Forest Practices Rules, forest fire prevention, and best practices that help employees remember the Oregon Rules.

This video was published by AOL in 2000, revised in 2007, and is available free to OPL logging operators.

'Self-Test' Independent Study Assignments (for take-home use)

AOL offers OPL members the opportunity to complete independent study exercises, called 'Self-Tests.' Each 'Self-Test' includes a printed reading assignment and 10-question written test—available for completion at the operators work or home on their own schedule. A new 'Self-Test' is offered periodically; take about an hour to complete; and each passing test submitted to AOL qualifies for 1 credit of OPL-Forest Practices. These 'Self-Tests' address important & current forest practices and sustainable forestry topics.

'Logger Supervisor Training' by AOL

AOL offers a targeted supervisor training specifically designed for supervisors in the harvest industry. Topics covered in the 6-hour training include employee management, responsibility, safety, accountability, leadership, and "supervisor" responsibilities under OR-OSHA Forest Activities Code. Since 1996, supervisors from over 900 Oregon harvest contractors have received the training.

'Oregon's Forest Protection Laws: Illustrated Manual, 2<sup>nd</sup> Edition.'

AOL in 2011 helped revise and publish the 2<sup>nd</sup> Edition of this useful 185-page illustrated handbook about Oregon's state forest practices and forest fire regulations. The Illustrated Manual is a popular teaching tool used at seminars addressing regulations for landowners and operators, including OPL-Forest Practices credit seminars.

Logging Safety Training DVDs for On-Site Use

AOL offers member forest operator companies at least 12 different training films about important & current logging safety topics. These DVD-based training modules target logging crews with short topics (5-25 minutes), such as: New Employee Orientation, Logging Near Powerlines, Machine Operation on Steep Slopes, Shop Safety, and Safe Firefighting.

Other Seminars

OPL qualified training is offered by many education providers around the state & region, including, but not limited to: Oregon Logging Conference, AOL Safety Conference, AOL meetings, OR-OSHA, Bureau of Labor & Industries, Construction Contractors Board, insurers, county extension, agencies, community colleges, consultants, associations, OR St. Univ., and other private or public training providers.

**Other:**

Oregon Professional Logger companies are recognized throughout Oregon's forest sector, and an OPL Directory is made available to others online at: [www.oregonloggers.org](http://www.oregonloggers.org)

**Program Funding:**

Oregon Professional Logger program funded primarily by Associated Oregon Loggers, Inc., as a service to its members and OPL Subscribers. The Sustainable Forestry Initiative (SFI)-State Implementation Committee of Oregon often contributes a minority portion of OPL program operating expenses—recently \$5,000 to \$6,000/year. During 2010-'12, AOL participated as a cooperator in a group of organizations (Partnership for Forestry Education), which received a 2-year federal grant from the US Forest Service, State & Private Forests Program.

Administration expenses for the OPL program are borne primarily by Associated Oregon Loggers, Inc. AOL does offer a few programs and training (see above). Most classes are provided by other training vendors or groups. Training costs for employees attending are paid by each enrolled OPL logging operator firm, such as registration fees, travel expenses, and wages. Oregon Dept. of Forestry is a training cooperator with AOL, which provides in-kind support: instructors and curriculum development for annually-offered classes in forest practices and fire prevention (free class). Over the 14-year history of the OPL, the SFI-Oregon Implementation Committee has contributed a total of \$16,500 to fund 37% of the publication cost for a single DVD-based training element: '*Sustainable Forestry Training for Logging Operators*'.

**Training Modules:**

(No online training modules were developed or offered in 2012.)

**PENNSYLVANIA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program**

**Name:** **PA SFI Professional Timber Harvester Training Program**

The Pennsylvania Sustainable Forestry Initiative<sup>®</sup> (PA SFI) State Implementation Committee (SIC), under the sponsorship of the Pennsylvania Forest Products Association (PFPA), administers Pennsylvania logger training and education programs.

Demand for timber harvester training remains strong. Since 2007 the Pennsylvania DCNR Bureau of Forestry has required any contractor harvesting on state land to have current PA SFI training. This policy is consistent with the requirements for harvests conducted on stands that are certified by SFI<sup>®</sup>, FSC<sup>®</sup>, and other forest certification systems in Pennsylvania. In addition, many private forest landowners and forest products mills also require PA SFI<sup>®</sup> Professional Timber Harvester Training for their timber harvesting contractors. At the end of 2012 Pennsylvania had 686 individuals with valid PA SFI training. This number has remained fairly steady. The PA SFI maintains the state's logger training records and provides a list of currently trained Timber Harvesters on their website ([www.sfiofpa.org](http://www.sfiofpa.org)).

At the beginning of 2012 the PA SFI implemented revisions to the core training program requirements. These revisions were adopted to improve safety, advance professionalism, and increase awareness of environmental regulations and BMPs. The changes combined the previous Environmental Logging and Logging Safety core courses into a single Professional Timber Harvesting Essentials course and adopted Game of Logging – Level 1 as a core training requirement.

**Program**

**Funding:**

Program funding is provided by forest products companies and forest related organizations in Pennsylvania, grant monies when available, and registration fees from logger education workshops.

SFI participating companies and other consuming mills that participate in the PA SFI Partners Program are assessed SFI dues early in the year based on consumption from the previous year. TIMO and REIT's are assessed SFI dues

based on acreage holdings. A number of additional companies and organizations participating in the PA SFI Supporters Program also pledge financial contributions.

In addition to other grant opportunities, Pennsylvania's Hardwood Utilization Groups, such as the Northern Tier Hardwood Association and the Keystone Forest Products Association, provide grant monies specifically for supporting PA SFI's logger training efforts, when available.

Course registration fees vary based on the characteristics of each course. Our program recognizes the economic situation the logging community is confronted with and tries to ensure training is accessible to everyone. Our goal is to provide high quality educational programs at the lowest possible cost.

**Required Courses:**

Core level

The core training component of the Professional Timber Harvester Training Program consists of two 8-hour courses, Professional Timber Harvesting Essentials and Game of Logging – Level 1, and requires that participants provide proof of current First Aid and CPR certification as required by OSHA standards for logging operations. Core training must be completed within a 24-month period. Upon completion of the core training requirements an individual receives a PA SFI training card valid through the following calendar year.

Professional Timber Harvesting Essentials (8 hours)

This two part course focuses on safety and environmental logging practices. Part one focuses on recognizing and avoiding hazards that timber harvesting operations encounter daily. It includes modules covering accident avoidance, equipment safety, truck safety, and an overview of OSHA regulations applicable to logging. Part two focuses on Pennsylvania's Clean Streams Laws and provides an overview of Pennsylvania's Erosion & Sediment Pollution Control Plans, permits a logger may need when working near streams and wetlands, Best Management Practices (BMPs), hazardous spill prevention and cleanup, and the importance of harvesting aesthetics, job layout, and planning.

Game of Logging – Level 1 (8 hours)

A world-recognized training curriculum that teaches chain saw skills, Game of Logging 1 focuses on introducing participants to the "open face" felling technique and the development of fundamental skills to safely fell trees. Topics covered include personal protective equipment, chainsaw safety features, chainsaw reactive forces, bore cutting, the 5-step felling plan, and understanding hinge wood properties.

First Aid and CPR (4 hours)

First Aid and CPR training is accepted from a variety of regional, certified providers such as American Red Cross, American Heart Association, and

National Safety Council. PA SFI coordinates First Aid and CPR trainings at cost; however, training is readily available and often offered more conveniently outside the program.

**Continuing Education Program:**

The PA SFI Professional Timber Harvester Training Program requires that individuals complete a minimum of four hours of continuing education each year in order to maintain a “current” training status. Individuals are allowed to take additional continuing education courses, but cannot accumulate more than three years of extended CE credit.

A number of continuing education course titles and descriptions currently and previously offered through the PA SFI Professional Timber Harvester Training Program are available on the PA SFI website ([www.sfiopa.org](http://www.sfiopa.org)). Credit for courses taken outside of the PA SFI program are available as long as the material is deemed to be relevant, similar in content, and if a legitimate form of documentation is provided.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors Logging Employees Other	78	421	100	700
<b>TOTALS</b>	<b>78*</b>	<b>421*</b>	<b>100*</b>	<b>700*</b>

\* Records do not indicate job classification.

**Production Data:** Not Available

**On-Line Training Modules:**

The PA SFI program does not currently offer online CE courses. However, Penn State University offers monthly, 1-hour live webinars which can be considered for CE credit when appropriate. The PA SFI SIC is currently discussing the possibility of utilizing online logger training courses in the future.

**QUEBEC  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**SFI PROGRAM PARTICIPANT NAME:** Quebec SIC

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<b>Program Name:</b>	<p><b><i>Formation entrepreneur accrédité</i></b> Until today, each SIC member was responsible to ensure that their employees and contractors have been trained on certification and environmental issues and principles. But by the end of 2013, the program for qualified wood producer will be in place.</p>
<b>Required Courses:</b>	<p>Actually in Quebec neither SIC or SFI program participant have a complete training program for their logging contractor. Some of the program participants have annual training session associated with ISO 14001 and SFI. For example, Resolute trained their loggers every year on Health and Safety, environmental concern and forest certification.</p> <p>Sample of course of program participant :</p> <ul style="list-style-type: none"> <li>Best management practices (<i>Saines pratiques</i>)</li> <li>Training on SFI Principles (<i>Formation de base SFI</i>)</li> <li>Annual training for loggers (<i>Induction_coupe_2012</i>)</li> <li>Annual training for road construction (<i>Induction_construction_chemin_2012</i>)</li> <li>Annual training for truck drivers (<i>Induction_transport_2012</i>)</li> <li>Training to SFI standard (<i>Formation à la norme SFI</i>)</li> <li>Annual training for sylviculture workers</li> <li>Annual training for truck drivers</li> <li>Field visits to small woodlot owners (education)</li> <li>Transportation of dangerous goods</li> <li>Field exercise on Emergency Situations (Fire, Spill, Accident)</li> <li>Safe driving</li> <li>Eco-driving</li> <li>First aid</li> </ul>
<b>Production Data:</b>	Non available
<b>Continuing Education:</b>	Non available
<b>Additional Training</b>	Non available

<b>Available:</b>	
<b>Program Funding:</b>	SIC internal funding
<b>Training Modules:</b>	<p>In 2012, Quebec SIC has started the development of a training program that will be general for all SFI Program Participants. The training program will include specific modules on :</p> <ul style="list-style-type: none"> <li>- Sustainable Forest Management Certification</li> <li>- Quebec SFI Implementation Committee</li> <li>- Sustainable Forestry Initiative Standard</li> <li>- Qualified Logging Professionnal</li> <li>- Species at risk - Invasive specie</li> <li>- Harvest, wildlife and site protection</li> <li>- Access and water quality</li> <li>- Reforestation and aesthetic</li> <li>- Dangerous goods</li> <li>- Legal requirements</li> </ul> <p>The Training Program should be ready by the end of the year and will be available on the SIC website</p>

### Training Summary:

<i>* Combined totals</i> Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	8	105	8	125
Logging Employees	397	10	410	40
Foresters	45	9	51	10
Landowners	1	37	1	65
Government Officials		32		
Students	4		4	
Other silviculture	90		50	
<b>*TOTALS</b>	<b>545</b>	<b>193</b>	<b>524</b>	<b>240</b>

**SOUTH CAROLINA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Sally Tucker  
South Carolina Forestry Association  
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803-798-4170

**Program**

**Name:** **South Carolina Timber Operations Professional (TOP) Program**

The South Carolina Forestry Association (SCFA) sponsored 3 Timber Operations Professional (TOP) Programs in 2012, with a total of 53 graduates.

**Required  
Courses:**

The TOP Program is an intensive three-day training course that was offered three times in Columbia in 2012 and produced 53 new graduates. The primary topics covered are:

Sustainable Forestry Principles - Requirements of the 2010 Standard:  
Invasive Species, FECVs, emerging markets, etc.  
Small Business Management  
OSHA and Insurance Requirements  
Loss control, Safety, and Wage and Hour Rules  
Forestry Best Management Practices  
Endangered Species, Wildlife, and Cultural/Historic Preservation  
Public Policy and Transportation Issues

**Other:** Total training accomplishments to date include: 3,292 graduates of the TOP Program.

*Please refer to the "Revision Notice" section below for details regarding revisions to the training program in South Carolina for 2012.*

**Training**  
**Summary:**

Participants*	Actual Number Completing Entire LT&E Program in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
TOTALS	54 - 3-Day TOP	150 – 2-Day TOP	1,000 – DVD Annual Update
TOTALS	54 New Participants	150 (and additional 35 if 4 <sup>th</sup> class is needed.)	1,000

*\* Records do not indicate job classification*

**Production**

**Data:** Estimated 90-95% of production capacity in SC comes from trained sources.

**Additional Training Available:** N/A

**Funding:** The TOP Program was funded by SFI member companies (percentage of annual dues) and registration fees paid by participants in 2012. New for 2013: The TOP Program will be self-supporting in 2013 and will not receive funding through the SIC.

**Training**

**Modules:** DVDs (for continuing education) were available for distribution in 2012. No online training modules were developed or offered in 2012.

**SC TOP Program - 2012 Revision Notice**

2012 brought a new look to the SC Timber Operations Professional (TOP) Program originally created in 1994. The program assists loggers and Sustainable Forestry Initiative (SFI) certified companies to provide essential training to address environmental issues. Based on feedback from SFI TOP Trained individuals and other factors, the SCFA TOP Task Force has decided to revise the training requirements and program administration. Additionally, SC Timber Producers Association members have worked closely in formulating the changes and endorse the improved revision.

Details are being finalized to make the program requirements simplified and easy to understand. New logger training topics required by the SFI 2010-2014 Standard will be incorporated into this revision. Basic requirements for the newly revised TOP program include the following elements.

- In order to be eligible to migrate to the new training system you must be a current TOP trained individual on June 30, 2012. This means expired TOP individuals in 2011 must complete and submit to SCFA all training hours needed under the current system by June 30<sup>th</sup>.
- All participants will have a common annual expiration date of June 30<sup>th</sup>. The first expiration date for all current TOP SFI Trained individuals is June 30, 2013.
- All participants will be required to view a SCFA TOP Task Force produced training DVD annually. Viewing sessions will be offered and coordinated by approved facilitators.
- All participants will pay an \$80 annual fee to maintain current TOP SFI Trained status. The SC TOP Task Force will use fees to pay for DVD production costs and various program administrative expenses.
- After implementation, any TOP SFI Trained individual that does not view the training DVD and pay their \$80 annual fee by the June 30<sup>th</sup> expiration date must complete the 3-Day TOP class and pay the fee to reinstate their TOP SFI Trained status.
- Implementation began on July 1, 2012.
- The SCFA TOP Task Force and SC Timber Producers Association are confident you will be pleased with this new revision and the advantages it will offer in meeting everyone's needs. Further information and details can be found on the SCFA website [www.scforestry.org](http://www.scforestry.org) under the SCFA Programs page and clicking on Logger Training or by contacting Sally Tucker at 803-798-4170 or [sally@scforestry.org](mailto:sally@scforestry.org). You may check your TOP SFI Trained status at the SCFA website by clicking on SFI Trained Individuals list.

The forestry community relies heavily on TOP SFI Trained loggers and other forestry professionals to accomplish the great work they do in the woods every day. These changes will make TOP training easier to accomplish and more relevant to the issues facing our forestry community. Thank you for your understanding and support in this transition.

**TENNESSEE  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Candace Dinwiddie  
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**Program**

**Name:** **Tennessee Master Logger**

Tennessee's Master Logger Program consists of 5 one-day sessions, given once every two weeks within a ten consecutive week period. The cost is \$150.00 for the 5-day course. This cost also includes a 2-year TFA membership.

**Required  
Courses:**

Training is required in the following five areas:

Safety - covers general safety practices, DOT and OSHA safety regulations, trucking safety, and equipment and chain saw safety. SFI principles are also covered in this session.

Water Quality/BMPs - is split into two parts. This first part is a classroom session covering information about Forest Hydrology (water cycles, stream ecology, erosion and sedimentation), Forest Health and Stress (logging, grazing, fire, insects, and disease), and Tennessee's Best Management Practices. BMP session includes an outdoor portion.

The second part is the Water Quality Lab in the field, and covers stream ecology, compaction and infiltration, erosion, road location, soil, and habitat enhancement.

Forest Management - is also split into class and field training. The class topics include a History of Tennessee Forests (types, statistics, physiographic regions, ownerships) Forest Growth and Sites (site index, aspect, site/species relationships, tree biology, succession and tolerance, silvics of important species), Regeneration versus Thinning, Harvest Systems (clearcutting, shelterwood, seed tree selection, group selection), Wildlife Biology, Endangered Species, and Public Awareness.

First Aid/CPR - completion of a Red Cross or equivalent course.

Business Management - financial management, bookkeeping, marketing, insurance, personnel and related laws are taught by professionals (usually local business owners) in each field.

**Continuing  
Education  
Program:**

Tennessee Master Loggers may renew their Master Logger status by completing one day of continuing education every two years. The \$70.00 renewal fee includes membership in TFA for 2 years. Continuing Education classes were offered in various locations during 2012, covering the following subjects:

Logging Costs/Efficiency/Woodyard Safety – taught by Dr. Wayne Clatterbuck (University of Tennessee) and Dr. Dalia Abbas (Tennessee State)  
Certification & Safety – taught by Forestry Mutual Insurance  
Forest Roads/Water Control – Taught by Dr. Clatterbuck.

Note: Dr. Abbas is conducting a Master Logger survey on cost analysis and efficiency.

Other continuing education classes taught in past years include: Log Grading, Wildlife Biology, SFI Compliance, Advanced BMPs/Road Building, Wetlands BMPs, Visual Impacts, Truck Safety, Woods Safety, Stream Delineation Workshop, Log Bucking taught by UT Extension.

**Training  
Summary:**

*\*Records do not indicate job classification.*

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	92	405	75	470
Logging Employees				
Other				
<b>TOTALS</b>	<b>92*</b>	<b>405**</b>	<b>75*</b>	<b>470**</b>

**\*\* Most of these are individuals who completed their one-course continuing education requirements to retain their Master Logger status.**

**The Tennessee Master Logger database was revised during 2008 to indicate if the logger was an owner operator or crew member. However, the reporting numbers were not broken down by classification.**

**Production Data:** Not Available.

**Program  
Funding:**

Funding is provided through registration fees: \$150.00 for 5 days, \$70.00 for CE. Through a TN Dept. of Agriculture grant in recent past years, loggers were refunded ½ tuition following completion of the required course (i.e., \$75.00 was mailed back to each logger completing the five day course, \$35.00 was mailed back to loggers completing the CE required course.) Unfortunately the funding for this ½ tuition refund ended after 2012, so it will not be available in 2013.

The TN Dept. of Agriculture provides some funding support to TFA for helping with staff time, etc. The TN Sustainable Forestry Initiative Committee also provides some funding to help with travel costs, etc. related to the Master Logger program.

**Training Modules:**

(No online training modules were developed or offered.)

**TEXAS  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Susan Stutts, Assistant Director  
Texas Forestry Association  
P.O. Box 1488  
Lufkin, Texas 75902-1488  
Phone: 936.632.8733  
Fax: 936.632.9461  
E-mail: sstutts@texasforestry.org

**Program**

**Name:** **Texas Pro Logger and Continuing Education Program**

The following four courses are required for persons to attend in order to be classified as a Texas Pro Logger:

- (1) Best Management Practices (includes a field trip)
- (2) Silviculture, Wildlife, Wetlands & Endangered Species (updated in 2011 to include sections on Invasive Species, and Aesthetics, which was previously a separate workshop)
- (3) \*Safety Training (updated in 2011)
- (4) Business Management (updated in 2011 to reflect several legislative changes; also added Communications, which was previously included in another workshop)

All logging contractors and foremen should take all courses to qualify for the Pro Logger Certificate. All employees should take the Safety Training.

\*Must be taken every two years.

**Continuing Education:**

To maintain the Pro Logger status, each must have at least six (6) hours of continuing education annually plus a current Safety certificate. Several opportunities for continuing education were available during the year, including best management practices for forest roads.

**Other:** In 2012, 4 core logger training workshops were held. An additional safety training workshop was held.

**Database:** The Texas Logger Training database is published at [www.texasforestry.org](http://www.texasforestry.org).

**New in 2013:** Business Management will be offered online in 2013; Safety training came online at the end of 2012.

**Training Summary:**

<b>Participants</b>	<b>Actual Number Completing Entire LT&amp;E Program in 2012</b>	<b>Actual Number Attending At Least One Core Course in 2012</b>	<b>Actual Number Attending At Least One Continuing Ed Course in 2012</b>	<b>Estimated Number Expected to Complete LT&amp;E Program in 2013</b>	<b>Estimated Number Expected to Attend Some Courses in 2013</b>
<b>Loggers</b>	27	8	367	30	500
<b>*Other</b>	2	0	70	4	69
<b>TOTALS</b>	29	8	437	34	569

\*Other – consists mainly of industry procurement foresters; some other timber buyers.

**Production:** In 2011, 392.7 million cubic feet of pine and 78.6 million cubic feet of hardwood were harvested in Texas for industrial consumption, a slight decrease over last year's harvest. At this time, there is no reporting effort on how much of the timber is harvested by trained loggers; however, the Texas SIC estimated that 95% is produced by trained loggers. Production figures are not yet available for 2012.

**Funding:** Consuming mills in Texas are assessed SFI dues early in the year, based on consumption for the previous year. In addition, TIMO's and REIT's and other large landowners are assessed SFI dues based on acreage holdings.

**Training Modules:**

As stated above, Safety is now offered online again, fully revised, and Business Management will be offered online in 2013.

**VERMONT  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** David Birdsall  
LEAP Coordinator  
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Town of Tinmouth  
Middletown Springs, VT 05757  
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Email: [dwbirdsall@vermontel.net](mailto:dwbirdsall@vermontel.net)  
Website: [www.vtleap.com](http://www.vtleap.com)

**Program**

**Name:** **Logger Education to Advance Professionalism (LEAP)**

The purpose of the Vermont LEAP program is to promote a professional approach to logging by providing the knowledge necessary for loggers to work safely, efficiently, and in an environmentally conscientious manner while harvesting timber in Vermont.

**Required**

**Courses:**

The Vermont LEAP program offers a broad-based curriculum. There are three subject areas in the primary curriculum:

Equipment Handling & Safety  
Managing and Using Forest Ecosystems  
Professionalism in Forestry

Completion of the primary curriculum leads to provisional certification that meets the minimum requirements of Vermont's Sustainable Forestry Initiative. A Logger must also complete a secondary curriculum within 2 years to achieve full certification with LEAP. The secondary curriculum consists of three day-long workshops, one of which is First Aid for Loggers

The other workshops are considered Electives and can be selected from the following subject areas, but are not limited to:

Wildlife Habitat  
Low-Impact Harvesting  
Log Marking  
Surveys & Boundaries  
Business Management  
Garage Safety  
Trucking Safety

**Continuing  
Education  
Program:**

To maintain full certification a logger is required to participate in two days of related continuing education or public service, within two years of completing the secondary curriculum and every two years thereafter. It is also necessary to maintain First Aid and CPR Certifications.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors Logging Employees Other				
TOTALS*	15	64	25	150

*\*Records do not indicate job classification. We have mostly Loggers, 5-10 Foresters and several landowners enrolled.*

**Production**

**Data:** Unavailable.

**Funding Sources for the Program:**

LEAP is primarily funded by the one time Registration fee of \$250 and workshop day fees. International Paper has graciously sponsored the program with donations between \$500 and \$1,000 / year.

**Online Training Modules:**

(No online training modules were developed or offered in 2011.)

**VIRGINIA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Scott Barrett, SHARP Logger Program Coordinator  
Virginia Tech Forestry Extension,  
Department of Forest Resources & Environmental Conservation (0324)  
228 Cheatham Hall  
Blacksburg, VA 24061  
Phone: 540-231-6494 Fax: 540-231-3330  
E-mail: SHARPlogger@vt.edu  
Web page: www.SHARPlogger.vt.edu

**Program Name:**

**Virginia SHARP Logger**

The Sustainable Harvest And Resource Professional (SHARP) Logger program was implemented in April 1996. The curriculum includes course subjects in safety, sustainable forestry and the Sustainable Forestry Initiative<sup>SM</sup>, silviculture, harvest planning, and Best Management Practices. It is geared towards logging business owners and/or selected crew members and foresters. In 2002, responsibility for coordinating the SHARP Logger program was transferred to Virginia Tech Forestry Extension.

**Required  
Courses:**

The core program covers the following topics: Logging Safety — Four education modules (1.5 hours each). The subjects offered include (1) Overview of OSHA Logging Safety Standards and Recordkeeping Requirements, (2) Logging Equipment Safety, (3) Log Truck Safety (DOT requirements), and (4) Chain saw Safety

Sustainable Forestry — This course includes an in-depth discussion of sustainable forestry and the key elements for achieving this goal. An explanation of how the SFI<sup>SM</sup> program was developed and implemented follows. There are also discussions and presentations on forestry aesthetics and ways that loggers can better communicate with landowners.

The second part of this course is a field lab designed to introduce loggers to the basic concepts of silviculture and ecology.

Harvest Planning and Best Management Practices — An overview of harvest planning and a demonstration of the use of topographic maps and other planning "tools" is followed by a field exercise where participants develop their own harvest plans. The BMP program segment is typically conducted on a recently harvested tract. Discussion topics include local, state and federal water quality regulations, the comparison of forestry to other non-point sources of pollutants

and the Virginia Forestry BMP Manual. The participants, in small groups with the assistance of a professional forester, perform a BMP audit of the tract.

### **Continuing Education:**

SHARP Loggers must earn 12 hours of Continuing Education (CE) credits every three years in order to maintain current SHARP Logger status. Continuing Education programs are offered in a wide variety of topics, including:

Overview of Biomass Harvesting in Virginia  
Biomass Harvesting Workshop & Chipper Demos  
Logging Business Management Workshop  
GPS Workshops  
Basic Timber Cruising Workshop  
BMP Workshops  
Chainsaw Safety  
Negotiating Skills Workshops  
Gypsy Moth Compliance Workshops  
Logger Safety Awareness & OSHA Refresher Workshop

### **Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	50	600	25	600
Logging Employees	36	283	25	300
Other	15	100	25	100
<b>TOTALS</b>	<b>101</b>	<b>983</b>	<b>75</b>	<b>1000</b>

### **Production**

**Data:** Not Available.

**Other:** Newsletter to Virginia Loggers sent out quarterly by Virginia Tech Forestry Extension. [www.virginiaSFI.org](http://www.virginiaSFI.org) offers a description of the Virginia SFI<sup>SM</sup> program including links to the SHARP Logger website.

### **Program Funding:**

The SHARP Logger Program Coordinator's position is funded by Virginia Cooperative Extension and program operating costs are funded by the VA SFI SIC. SHARP Logger classes are offered at no charge to participants.

**Online Training Modules:**

In 2009 the SHARP Logger program offered its first online training opportunity with two online trainings. The response from loggers completing the training was very positive, and additional online modules were developed. Online trainings are accessed through the SHARP Logger website at [www.SHARPllogger.vt.edu](http://www.SHARPllogger.vt.edu). Trainings are available to anyone that wants to access them, and there is no fee for using the online training. Trainings utilize Adobe Presenter software: Viewers simply click on a link and the training module will start automatically.

Current Online Trainings Include:

Protecting Water Quality with Best Management Practices in Virginia

Laws Affecting Water Quality and Forestry Operations in Virginia

Basic Timber Cruising – Timber Inventory & Assessment

How to Conduct a Property Deed Search

Basic Chainsaw Safety & Directional Felling

**WASHINGTON  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Jerry Bonagofsky, President  
Washington Contract Loggers Association (WCLA)  
2421 Pacific Avenue; P.O. Box 2168  
Olympia, Washington 98507  
Phone: 800/422-0074  
Fax: 360/943-8544  
Email: Jerryb@loggers.com

**Program**

**Name:** **MasterLoggerProgram**

In July 1994, the WCLA Board approved the formation of a training program for loggers, run by loggers, called the Master Logger Program (MLP). It is designed for the company owner as well as supervisory personnel; however, any employee may attend, as it is a voluntary program. An MLP Steering Committee was chosen to prepare the guidelines, select courses, set schedules, and answer any formation questions. After the Steering Committee completed its duties, WCLA formulated a board to oversee the program

WCLA implemented the MLP in early 1995. As of 12-31-12 a total of 980 individuals representing about 650 companies meet the requirements for the MLP. WCLA utilizes state agency personnel and private individuals that are qualified in the subject areas as a core of instructors. The courses are held two or three times a year.

**Required**

**Courses:** The Master Logger Program (MLP) consists of completing the following curriculum:

1. **Forest Ecology and Silviculture**

- Principles of ecology and silviculture
- Forest health
- Forest soils
- Reforestation
- Managing forests for wildlife

2. **Safety & Workers Compensation Issues**

- Accident prevention programs, safety training, hazard recognition, complying with regulations, and accident investigation procedures
- Transportation safety
- Worker's compensation regulations and claims management
- Employer record keeping and reporting
- Overview of the Sustainable Forestry Initiative

3. <u>Forest Practices</u>
<ul style="list-style-type: none"> <li>• Forest practice applications</li> <li>• Riparian and wetlands protection</li> <li>• Regeneration requirements</li> <li>• Wildlife tree requirements</li> <li>• Road construction and maintenance</li> <li>• Cultural resources</li> <li>• Enforcement and assistance</li> </ul>

4. <u>Logging Business Management</u>
<ul style="list-style-type: none"> <li>• Business taxes</li> <li>• Insurance requirements</li> <li>• Operational costs</li> <li>• Financial management and credit</li> <li>• Ethics and image of the logger</li> </ul>

<u>First Aid Training</u> (must include CPR and First aid)
<ul style="list-style-type: none"> <li>• A valid first aid card is required. However, first aid is not included in the curriculum</li> </ul>

**Other:** 8 hours of continuing education is required every year to maintain MasterLogger status – a number of elective courses are available.

In 2012, WCLA trained about 750 loggers in first aid.

### **Training**

#### **Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	50	36	40	35
Logging Employees	30	12	30	25
Other	13	7	10	10
TOTALS	93	55	80	70

### **Production**

**Data:** Two billion board feet produced by Master Loggers in 2012.

### **Program**

**Funding:** Each module costs each attendee \$40 if they are a WCLA member, \$125 if they are not. The Washington SFI State Implementation Committee donated \$5000 in 2012 to support logger training. Companies with MasterLoggers must be active members of WCLA or pay an annual non-member service fee of \$125. Overhead for the training classes is minimized by utilizing WCLA staff and state agency personnel as instructors.

**Training Modules:** (No online training modules were developed or offered in 2012.)

**WEST VIRGINIA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Cinda Francis  
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**Program  
Name:**

**West Virginia Logger Training and Education**

West Virginia's Logger Training and Education Program operates under the auspices of the West Virginia Forestry Association (WVFA) and the West Virginia Division of Forestry (WVDOF). The West Virginia Forestry Association, the West Virginia Division of Forestry, West Virginia University Forestry Extension and the Appalachian Hardwood Center are all involved in logger training programs in West Virginia.

Logger Certification is required under West Virginia's Logging Sediment Control Act. At least one person on each logging job must complete the following courses to qualify as a certified logger:

**Required  
Courses:**

First Aid Training Conducted by West Virginia Forestry Association Safety Committee in various areas of the state according to need. Cost is \$45 to \$55 per person. The Standard First Aid and CPR course, including Bloodborne Pathogens training, is eight hours. The schedule is announced through WVFA and the West Virginia Division of Forestry.

BMP Training More than twenty workshops are scheduled (typically one-two each month) rotating among the three West Virginia Division of Forestry Regions. Workshops are conducted by WVDOF staff and are announced and publicized by the WVDOF. The schedule of training sessions is available on their website ([www.wvforestry.com](http://www.wvforestry.com)). The workshops are six to eight hours in length, and there is no cost to the logger. The WVDOF provides staff support for this training in excess of \$120,000 annually.

Tree Felling Safety & Personal Safety Equipment Workshop These classes are conducted monthly by West Virginia Division of Forestry personnel and sub-contractors at a central location in the state. WVFA cooperates in this program by periodically offering the Game of Logging, of which Level 1 is accepted for this initial training. Training sessions are four to eight hours in length.

**Continuing  
Education  
Courses:**

West Virginia's Logging Sediment Control Act requires loggers to maintain a valid First Aid card and complete an additional eight "credit hours" of classes every four years to retain certification. Two of these eight hours must be in a "BMP Update" class and two hours must be in a "Safety Update" class. The following courses have been approved for two hours (each) of the optional course portion of recertification credits:

SFI Awareness, Regeneration, Aesthetics, Wildlife Management, T&E

Species, Business Management

Log Road System Planning

Log Job Reclamation

Map Reading

Log Truck Safety

Woodlot Management

The following courses have been approved for satisfying a portion of the recertification training requirements. The BMP Update class is also required for full recertification credit.

FRA Professional Skidder Operator Workshop (6 hours)

WVU Appalachian Hardwood Center OSHA Compliance Wksp. (6 hours)

FRA Loss Control Workshop (6 hours)

Business Management for Loggers, Conducted by WVU Appalachian Hardwood Center (4 hours – BMP and Safety Updates required)

Two additional options are available:

Repeating the original BMP and Chain Saw Safety workshops

Completion of Levels 1-4 of the Game of Logging

**Training  
Summary:**

<b>Participants</b>	<b>Actual Number Completing Entire LT&amp;E Program in 2012</b>	<b>Actual Number Attending At Least One Course in 2012</b>	<b>Estimated Number Expected to Complete LT&amp;E Program in 2013</b>	<b>Estimated Number Expected to Attend Some Courses in 2013</b>
<b>Logging Contractors/ Logging Employees</b>	<b>311</b>	<b>113</b>	<b>400</b>	<b>100</b>
<b>Others/Foresters</b>	<b>5</b>	<b>11</b>	<b>10</b>	<b>10</b>
<b>TOTALS</b>	<b>316</b>	<b>124</b>	<b>410</b>	<b>110</b>

**Production  
Data:**

Not Available.

**Other:** In 2012, West Virginia issued 219 timber licenses and 379 certified logger licenses. In May 2011, West Virginia adopted a 2-year licensing schedule (4-year training schedule), which has reduced the number of training participants and licenses issued.

**Program**

**Funding:** Program funding is primarily through registration fees for some classes and through internal support by WVFA, WVDOF and companies that support SFI.

**Training Modules:**

The webinar “*Invasive Species in West Virginia and Technologies for Loggers,*” sponsored by the WVU Appalachian Hardwood Center, the WV SFI Program and the WV Forestry Association (WVFA) is archived on the WVFA website ([www.wvfa.org](http://www.wvfa.org)) where it can be viewed. There is no cost to watch the module, however non-WVFA members that request CFE credit must pay a \$5 fee.

In 2011, the WVU Appalachian Hardwood Center initiated a multi-day training program, *WV Greenup*, that provided participants with the WVDOF BMP training, Game of Logging Level 1, Industry Overview, First Aid, CPR and Bloodborne Pathogens training, OSHA Compliance for Loggers, Log Bucking Basics and Logging Equipment Operation Basics. Graduates of this program received their Certified Logger License. This program was continued in 2012.

**WESTERN CANADA  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

Western Canada SIF Implementation Committee (British Columbia, Alberta and Saskatchewan)

**Contact Information:** Stephen Vinnedge, RPF  
Chair WCSIC Logger Training Sub-Committee  
1250 Brownmiller Road  
Quesnel, BC V2J 6N2  
Phone: (250) 992-0888

**Program Name:** Basic Training Requirements for Logging Contractors Working for SFI Program Participants.

**Required Courses:**

1. SFI General Awareness Training (Principles and Objectives)
2. Safety and WCB laws and regulations
3. General awareness of provincial Forestry Legislation
4. Water Quality Best Management Practice Training (i.e. may include road construction/deactivation, site preparation, riparian management etc.), including protection of non-forested wetlands
5. Species at risk awareness training for appropriate personnel

**Production Data:** Reported by individual program participants as part of the annual progress reported submitted to SFI Inc.

**Continuing Education:** The training requirements listed in Table 1 of the WCSIC Training Policy for logging contractors working for program participants are typically delivered once annually to logging contractors and their workers. This is often complemented by interim training to address new hires.

Site specific training is also delivered on an ongoing basis during field pre-works prior to commencement of harvesting, road building and other logging related activities. Both contractors and program participants are typically required to sign-off on a pre-work.

**Additional Training Available:** Training resources and opportunities for wood producers are provided in section 4 of the WCSIC Training Policy.

**Program Funding:** Program participant self-funded.

**Training Modules:** Training materials required to deliver the training program identified in Table 1 (and noted below) of the WCSIC Training Policy to logging contractors working for program participants are maintained by individual program participants.

- SFI General Awareness Training (Principles and Objectives)
- Safety and WCB laws and regulations

- General awareness of provincial Forestry Legislation
- Water Quality Best Management Practice Training (i.e. may include road construction / deactivation, site preparation, riparian management etc.), including protection of non-forested wetlands
- Species at risk awareness training for appropriate personnel

For larger program participants with multiple operations these training materials are typically maintained and delivered separately by each operation.

### Training Summary:

Participants	Actual Number Completing Entire LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013
Logging Contractors	472			
Logging Employees				
Foresters				
Landowners				
Government Officials				
Students				
Other				
<b>*TOTALS</b>				

*\* Combined totals*

**WISCONSIN  
2012  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program**

**Name:** **Wisconsin Logger Training and Education Program**

Historically, various groups and organizations in Wisconsin have offered training workshops and education programs for loggers. During 1995, however, a group of loggers, industry representatives, and other interested stakeholders formed the Wisconsin Logger Training and Education (LT&E) Committee to look at coordinating and funding these programs. The Wisconsin LT&E Committee identified the Forest Industry Safety & Training Alliance (FISTA) as the logical umbrella organization to coordinate all new and existing logger training and education efforts in Wisconsin.

**Required  
Courses:**

The Wisconsin SFI® Implementation Committee (SIC) has adopted changes for the 2013 SFI® Training Standard. In 2012, a Qualified Logging or Resource Professional who is SFI® certified, previously had to maintain a balance of 8 hours of training credit per year to renew their certification. A person wishing to become SFI® certified must complete two days of Core Training, consisting of 8 hours of BMP's for Water Quality and 8 hours of BMP's for Invasive Species. In 2013, however, the 8 hours of continuing education that needed to be updated every year has been reduced to 4. Hours of training can be obtained by taking a FISTA coordinated workshop or a meeting or conference which has been pre-approved for external credit. The categories listed below constitute Wisconsin's SFI® Training Standard.

**Best Management Practices (BMP's) Workshops**

FISTA personnel organize and conduct these sessions along with forest industry professionals and the Wisconsin Department of Natural Resources. As long as SFI® certification remains current, BMP's only need to be taken one time with updated information and changes being covered in related workshops.

**BMP for Water Quality Workshops (8 hours)**

These workshops address planning, timber harvesting, forest road design and location, wetland and stream crossing, riparian management zones, and permitting.

BMP for Invasive Species Workshops (8 hours)

This workshop enables loggers and other forestry-related personnel to identify non-native invasive species posing a threat to forest ecosystems and productivity as well as helping these individuals understand the important role they play in slowing the spread of these invaders.

Continuing Education Workshops (4 hours)

In 2012, FISTA organized 64(4hr) C.E. workshops with attendance totaling 1,137. Currently for 2013, there are 38(4hr) classes to be held in various locations around the state. The workshops schedule is as followed:

<u>Workshop Name</u>	<u># Held in 2012</u>	<u># Scheduled for 2013</u>
BMP's for Water Quality	4	4
BMP's for Invasive Species	4	4
Aerial Photo Interpretation & Internet Maps	2	--
Bars & Chains	2	--
Bucking for Grade	1	0
Business Management	3	--
Chain Saw Safety	4	Scheduled as needed
Courthouse Research	2	--
D.O.T. Compliance from A-Z	1	2
Driver's View Point (Defensive Driving)	3	--
Effective Leadership	2	--
Forest Ecology	1	--
Forest Management	1	--
Forest Pests	7	--
Forest Insects and Diseases	--	3
Forest Policy for Loggers	2	1
Fuels, Oils, & Grease (Lube)	1	--
Good Business + Good Stewardship	--	3
GPS	2	--
Hardwood Management	1	--
Hiring, Training & Employee Retention	3	--
How to Take an Online Class	--	2
Hydraulic Hoses & Fittings	1	--
Insights on OSHA	--	3
Maximizing Grade	1	1
Tax and Business Tips	--	1
Timber Cruising	1	1
Tire Care, Maintenance, & Safety	2	--
The Timber Economy	4	1
Water Quality BMP Refresher	5	6
Wisconsin's MFL Program	3	--
Wonders of Wildlife	--	3

**Training**  
**Summary:**

Participants	Actual Number Completing Entire Beginning LT&E Program in 2012	Actual Number Attending At Least One Course in 2012	Actual Number Attending Approved Electives in 2012	Estimated Number Expected to Complete LT&E Program in 2013	Estimated Number Expected to Attend Some Courses in 2013	Estimated Number Expected to Attend Approved Electives in 2013
Logging						
Contractors Logging						
Employers Other						
<b>TOTALS</b>	65	1,137	626	50	1200	630

\* Records do not indicate job classification.

**Program**  
**Funding:**

The primary source of funding is obtained from the forest industry through a voluntary per cord assessment based on the amount of Wisconsin-based wood consumed. Additional funding comes from Registration fees and, in the past, sponsorship for costs relating to conferences, from forestry related businesses and organizations. Some instructor/facilitator expense is also covered through volunteer efforts of individuals from forestry companies and agencies.

**Training**  
**Modules:**

FISTA is currently exploring options for starting online modules.