

**Twentieth Report on the  
Status of Logger Training and Education (LT&E) Programs  
in 35 Forested U.S. States & 6 Canadian Provinces**

**2013 ACTUALS – 2014 ESTIMATES**



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June 4, 2014



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June 4, 2014

### **FOREWARD**

This *Twentieth Report on the Status of Logger Training and Education (LT&E) Programs in 35 Forested U.S. States & 6 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 2013 and expected to attend continuing education courses in 2014 on page 1. A total of 7,533 loggers and others completed LT&E programs and 24,097 attended at least one training session in 2013.

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 2013. Although some programs do not track the job classification of trainees, those that do report that 3,088 logging contractors, 2,470 logging employees, and 376 non-loggers completed their LT&E Program requirements in 2013. 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="#">Alabama</a>
5	<a href="#">Arkansas</a>
7	<a href="#">California</a> (ACL)
9	<a href="#">California</a> (LANC)
11	<a href="#">Central Canada</a> (Ontario and Manitoba)
13	<a href="#">Central Rockies</a> (Colorado, South Dakota, Wyoming)
15	<a href="#">Florida</a>
17	<a href="#">Georgia</a>
19	<a href="#">Idaho</a>
21	<a href="#">Indiana</a>
23	<a href="#">Kentucky</a>
26	<a href="#">Louisiana</a>
29	<a href="#">Maine</a>
33	<a href="#">Maryland / Delaware</a>
37	<a href="#">Michigan</a>
41	<a href="#">Minnesota</a>
45	<a href="#">Mississippi</a>
47	<a href="#">Missouri</a>
49	<a href="#">Montana</a>
51	<a href="#">New Hampshire</a>
53	<a href="#">New Mexico</a>
55	<a href="#">New York</a>
57	<a href="#">North Carolina</a>
61	<a href="#">Ohio</a>
63	<a href="#">Oregon</a>
68	<a href="#">Pennsylvania</a>
72	<a href="#">Quebec</a>
74	<a href="#">South Carolina</a>
76	<a href="#">Tennessee</a>
79	<a href="#">Texas</a>
81	<a href="#">Vermont</a>
83	<a href="#">Virginia</a>
86	<a href="#">Washington</a>
88	<a href="#">West Virginia</a>
91	<a href="#">Western Canada</a> (British Columbia, Alberta and Saskatchewan)
93	<a href="#">Wisconsin</a>

**LOGGER TRAINING AND EDUCATION (LT&E) PROGRAM TRAINING SUMMARY**  
**(2013 ACTUALS – 2014 ESTIMATES)**

<b>STATE/PROVINCE</b>	<b>ACTUAL NO. COMPLETING ENTIRE LT&amp;E PROGRAM IN 2013</b>	<b>ACTUAL# COMPLETING PART OF LT&amp;E PROGRAM IN 2013</b>	<b>ESTIMATED# TO COMPLETE ENTIRE LT&amp;E PROGRAM IN 2014</b>	<b>ESTIMATED# TO COMPLETE PART OF LT&amp;E PROGRAM IN 2014</b>
Alabama	100	2,134	100	1,600
Arkansas	215	410	265	870
California (ACL)	664	664	677	677
California (LANC)	0	17	12	30
Central Canada (2)	1,238	828	347	984
Central Rockies (1)	11	175	12	125
Florida	32	441	35	445
Georgia	103	800	100	800
Idaho	323	435	360	400
Indiana	0	47	5	50
Kentucky	205	615	190	725
Louisiana	84	831	100	800
Maine	142	494	100	800
Maryland/Delaware	8	156	7	175
Michigan	116	1,234	120	1,250
Minnesota	665	1,174	560	1,150
Mississippi	185	550	150	1,000
Missouri	79	425	75	425
Montana	135	845	135	850
New Hampshire	71	637	55	610
New Mexico	121	137	125	150
New York	199	799	200	800
North Carolina	91	1,336	90	1,336
Ohio	74	331	65	340
Oregon	614	3,770	630	3,750
Pennsylvania	84	495	100	500
Quebec	692	88	537	190
South Carolina	130	130	930	930
Tennessee	19	410	50	450
Texas	64	397	42	450
Vermont	26	68	25	129
Virginia	110	819	75	1,000
Washington	84	250	80	225
West Virginia	152	1,047	100	1,000
Western Canada (2)	627			
Wisconsin	70	1,108	50	1,150
<b>Totals</b>	<b>7,533</b>	<b>24,097</b>	<b>6,504</b>	<b>26,166</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

**LOGGER TRAINING AND EDUCATION (LT & E) PROGRAM TRAINING SUMMARY**  
**(2013 ACTUALS – 2014 ESTIMATES)**

STATE/PROVINCE	ACTUAL NUMBER COMPLETING ENTIRE LT&E PROGRAM IN 2013				ACTUAL NUMBER COMPLETING PART OF LT&E PROGRAM IN 2013			
	Logging Contractors	Logging Employees	Other (1)	Total	Logging Contractors	Logging Employees	Other (1)	Total
Alabama (2)	100	0		100	2,134			2,134
Arkansas	40	150	25	215	40	310	60	410
California (ACL)	117	547		664	117	547		664
California (LANC) (2)				0				17
Central Canada (2)	427	793	18	1,238	136	677	15	828
Central Rockies (2)				11				175
Florida	27	5		32	396	45		441
Georgia	39	32	32	103	350	200	250	800
Idaho (2)				323				435
Indiana (2)				0				47
Kentucky	156	14	35	205	494	31	90	615
Louisiana	53	31		84	526	305		831
Maine	1	127	14	142	69	402	23	494
Maryland/Delaware(2)				8				156
Michigan(2)				116				1,234
Minnesota	393	262	10	665		1,122	52	1,174
Mississippi (2)				185				550
Missouri (2)				79				425
Montana (2)	100	35		135				845
New Hampshire (2)				71				637
New Mexico (2)				121				137
New York (2)	189		10	199	710		89	799
North Carolina	76	7	8	91	855	300	181	1,336
Ohio (2)				74				331
Oregon	614			614	841	2,929		3,770
Pennsylvania (2)				84				495
Quebec	136	380	176	692	23		65	88
South Carolina (2)				130				130
Tennessee (2)				19				410
Texas	40	19	5	64	330		67	397
Vermont (2)	24		2	26	66		2	68
Virginia	60	15	35	110	430	110	279	819
Washington	25	53	6	84	115	115	20	250
West Virginia				152				1,047
Western Canada (2)	627			627				
Wisconsin (2)				70				1,108
<b>Totals</b>	<b>3,088</b>	<b>2,470</b>	<b>376</b>	<b>7,533</b>	<b>7,632</b>	<b>7,093</b>	<b>1,193</b>	<b>24,097</b>

## Notes:

- 1) Other includes foresters, landowners, consultants, students, government personnel, and natural resource managers
- 2) Records do not include job classification

**ALABAMA  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Mr. Matt Vines, Logging Education Manager  
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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:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Loggers, Foresters And Others	100	2,134	100	1,600
TOTALS	100*	2,134*	100	1,600

*\*100 individuals completed the initial two day training.*

*\*\*1,573 are current cardholders who took CE classes.*

### **Production**

#### **Data:**

The annual production for PLM graduates is estimated to be 29,850,000 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  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** George Lease  
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 Website: [www.arkloggers.com](http://www.arkloggers.com)

**Program**

**Name:**

**Arkansas Logger Education and Training Program (LT&E)**

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 15,940 persons in the LT&E database. As of December 31, 2013, attendance at ATPA workshops has been 46,568 in 1,142 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 voluntary 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 who do not have mills in Arkansas. Twenty companies contributed \$144,000 in 2013, and they have pledged a similar amount in 2014. A total of 1,034 loggers and foresters received LT&E in 31 workshops in 2013. Thirty workshops have been planned for Arkansas, Oklahoma, and Texas in 2014.

**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 2013 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 Compliance/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 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	40	40	40	320
Logging Employees	150	310	200	450
Other (Foresters)*	25	60	25	100
<b>TOTALS</b>	<b>215</b>	<b>410</b>	<b>265</b>	<b>870</b>

*\*Records do not indicate job classification*

**Production****Data:**

Based on comments from those companies (20) which funded our LT&E program, we estimate that the 4,390 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 15 million tons removed from Arkansas forests in 2013. (Source: Arkansas Forestry Commission.)

**On-Line Courses:** No on-line courses are offered at this time.

**CALIFORNIA****2013****LOGGER TRAINING AND EDUCATION SUMMARY*****Associated California Loggers (ACL) California Logger Training and Education Program***

**Contact:** Eric Carleson, Executive Director  
 Associated California Loggers (ACL)  
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**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:

Working around Water  
Troubleshooting Airbrakes  
First Aid  
Trucking Issues  
Private Property  
Communication  
Air Quality Requirements  
Heat Illnesses

Labor Law  
Safety (Trucks and Logging)  
Terminal Inspections  
Trucking and Homeland Security  
Healthy Forests  
Managing Insurance Claims  
Fire Prevention  
Money Management

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	117	117	127	127
Logging Employees	547	547	550	550
Other				
<b>TOTALS</b>	<b>664</b>	<b>664</b>	<b>677</b>	<b>677</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 2013.)

**CALIFORNIA**  
**LOGGER TRAINING AND EDUCATION SUMMARY**  
**LOGGERS ASSOCIATION OF NORTHERN CALIFORNIA (LANC)**  
**CERTIFIED LOGGER PROGRAM**

**Contact:** Buzz Eades, Executive Director  
 Loggers Association of Northern California (LANC)  
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 Mt. Shasta, California 96067  
 Email: [lancbuzz@frontier.com](mailto:lancbuzz@frontier.com)  
 Phone: 530-926-0771

**Program**  
**Name:** **LANC Certified Logger Program**

**Required**  
**Courses:** The LANC program requires a company to complete twenty (20) credit hours of approved training courses, which cover all ten (10) SFI Logging Education Categories (LEC's). After initial certification, a company must complete at least eight (8) credit hours of continuing education of subject matter in any combination of in the ten (10) Logging Education Categories. All employees, for the company, must be trained or retrained in FIRST AID / CPR.

**Additional Training**

**Available:** California Timber Operators License Program  
 The California Department of Forestry offers a Logger Training Program, required for first time applicants for a State Timber Operators License. The LANC program recognizes and gives education credit for this two (2) day course.

There are many presentations and classes at the two California logging conferences that LANC offers credit for. Some of these are presented by the two logging conferences, some by Associated California Loggers (ACL) and some by the Loggers Association of Northern California.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
TOTALS	*	17	12	30

\* LANC certified six loggers in 2013. All these had been certified under ACL's Pro Logger Program (already counted). These were LANC members who wanted LANC certification in addition to ACL.

**Training**

**Modules:** LANC has one on-line training course, a two (2) credit hour - "Introduction to Forest Certification" and we are working on more.

**Production**

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

**Program**

**Funding:** Program is funded primarily by our association. For some classes, we charge a nominal fee for loggers who are not members of our organization.

**CENTRAL CANADA  
(Ontario and Manitoba)  
2013**

**LOGGER TRAINING AND EDUCATION SUMMARY**

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Chair CCSIC  
Resolute Forest Products  
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**Program Name:** **Qualified Logging Professional**

**Required Training:**

- 1. Legal Requirements:** Loggers and Logging Contractors must have all of the training that is legally required in Ontario and/or Manitoba based on what type of activity they are performing or what type of equipment they are operating. Some examples could include Mechanical Harvesting Equipment Operator Common Core and Workplace Hazardous Materials Information System (WHMIS), Emergency First Aid, Cutter-Skidder Certification, Professional Chainsaw Operation, Propane Handling, Transportation of Dangerous Goods.
- 2. SFI Awareness:** The individual must have an awareness of the principles of sustainable forest management certification including the Sustainable Forestry Initiative Standard. The CCSIC has developed a series of training modules for use as training aids, which includes SFI Awareness. In addition, many member companies have developed their own training programs; these training programs may be reviewed and endorsed as equivalent.
- 3. Awareness of Best Management Practices:** The individual must have an awareness of best management practices applicable to their operation. The CCSIC has developed a series of training modules for use as training aids, which include BMP Awareness. In addition, many member companies have developed their own training programs; these training programs may be reviewed and endorsed as equivalent.

**Production Data:** Not Available.

**Continuing Education:** The training requirements are delivered by Program Participants typically to their workers and on an 'as needed' basis for new hires. Site Specific training is also delivered on an ongoing basis during field pre-work prior to commencement of harvesting, road building and other logging related activities. Both logging

contractors and Program Participants are typically required to sign-off on a pre-work document.

**Additional Training:**

Additional Training is available through outside agencies such as Workplace Safety North which have the following training:

- Act & Industrial Regulations
- Cargo Securement for Forestry Operations
- Fall Protection in Forestry
- Principles of Rigging, Hoisting and Towing on Logging Operations
- Safe Travel on Logging Roads

**Program Funding:**

Program participants self-funded.

**Training Modules:**

CCSIC provides the following training modules:

1. Sustainable Forest Management Certification
2. Central Canada SFI Implementation Committee
3. Introduction to the SFI Standard
4. Qualified Logging Professionals
5. Species at Risk/Invasive Species
6. Best Management Practices: Harvest Operations
7. Best Management Practices: Access
8. Best Management Practices: Reforestation and Aesthetics
9. Best Management Practices: Dangerous Goods
10. Requirements for Forestry Operations in Ontario

**Training Summary:**

Participants	Actual Number Completing LT&E Program in 2013*	Actual Number Attending at least one course in 2013	Estimated Number expected to complete LT&E program in 2014	Estimated Number expected to attend some courses in 2014
Logging Contractors	427	136	43	193
Logging Employees	793	677	300	754
Foresters	11	4		17
Landowners		5		15
Government Officials	1	3	2	4
Students	4	1	2	
Others	2	2		1
<b>TOTAL</b>	<b>1,238</b>	<b>828</b>	<b>347</b>	<b>984</b>

\* Number of new & existing QLP's in 2013.

**CENTRAL ROCKIES  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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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**

<b><u>Courses:</u></b>	<b><u>Course Classroom/Lecture/Discussion Field</u></b>		
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>	<b>Actual Number Completing Entire LT&amp;E Program in 2013</b>	<b>Actual Number Attending At Least One Course in 2013</b>	<b>Estimated Number Expected to Complete LT&amp;E Program in 2014</b>	<b>Estimated Number Expected to Attend Some Courses in 2014</b>
Logging Contractors	1 certified 10 re-certified	175	12	125
Logging Employees				
<b>TOTALS*</b>	11	175	12	125

\*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 2014.)

**FLORIDA  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**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:**

Participants	Actual Number Completing Entire LT&E Program (Master Logger) in 2013	Actual Number Attending At Least One Course (cont ed) in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Loggers	27	339	30	400
Non Loggers	5	45	5	45
<b>TOTALS</b>	<b>32</b>	<b>441</b>	<b>35</b>	<b>445</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  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Chase Cook  
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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 Introductory Workshop** - The Georgia Master Timber Harvester workshop is a two-day program designed to address the logger education component of the Sustainable Forestry Initiative® (SFI®) Program. Workshop material is offered in three categories: environment, business management, and safety.

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. Foresters and landowners participating in the workshop may gain a better understanding of a logger's perspective, i.e., logging demands, considerations, 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 2013	Estimated* Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated* Number Expected to Attend Some Courses in 2014
Logging Contractors	39	350	40	350
Logging Employees	32	200	30	200
Other	32	250	30	250
TOTALS	103	800	100	800

\*Based on number of Master Timber Harvester renewals.

**Production**

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

**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:** The MTH program provides class-based introductory workshop instruction only. Program participants are directed to participate in qualified continuing education (e.g. approved CLE or Continuing Forestry Education hours approved by the Society of American Foresters). Continuing education providers in Georgia include the Southeastern Wood Producers Association, the UGA Warnell School of Forestry and Natural Resources, and technical colleges across Georgia. Online course modules provided by the Southeastern Wood Producers Association and the Alabama Forestry Association have been approved for Georgia CLE purposes.

**IDAHO  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Linda Murphy, Office Manager  
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**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 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors Logging Employees Other	323	435	360	400
<b>TOTALS *</b>	323	435	360	400

\*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 rests with ALC Board of Directors.

**Training**

**Modules:** No online training modules were developed or offered in 2013.

**INDIANA  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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Fax: 812.358.5837  
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Ashley Tandy, Indiana Hardwood  
Lumbermen's Association (IHLA)  
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Email: <http://www.ihla.org>

**Program****Name:** **Indiana SFI Logger Training**

Indiana's LT&E Program is a volunteer program 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.

**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 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Actual Number Expected to Attend Some Courses in 2014
TOTALS	0	47	5*	50*

*\*Records do not indicate job classification.*

**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  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Kentucky Master Logger Office  
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Phone/Fax: 859/257-6230 KML Logger Line: 800-859-6006  
Email: [kml@uky.edu](mailto:kml@uky.edu)  
Web Page: [www.masterlogger.org](http://www.masterlogger.org)

**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 7,284 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 16 continuing education classes scheduled throughout 2014 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:**

Kentucky Master Loggers harvest virtually 100 percent of the timber that is cut annually in Kentucky.

**Training Summary:** 3-Day KML 3-Day KML 3-Day KML 3-Day KML Program + CEU Program + CEU .

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors and Employees	156	494	142	615
Landowners	14	31	11	25
Govt. Employees	14	56	18	50
Other	21	34	19	35
<b>TOTALS</b>	<b>205</b>	<b>615</b>	<b>190</b>	<b>725</b>

**Production**

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

**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 have 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  
2013  
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 84 attending were offered in 2013. (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 84 attending were offered in 2013. (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 84 in attendance were offered in 2013. (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. Two workshops with 84 attending were offered in 2013. (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 84 attending were offered in 2013. (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 84 for 2013.

## **Production**

### **Data:**

An estimated total of 22.7 million tons of wood was produced for Louisiana mills in 2013. An estimated 19.96 million tons were produced by fully trained logging contractors.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	53	526	60	500
Logging Employees	31	305	40	300
Foresters			0	
Others				
TOTALS	84	831	100	800

\*Records do not indicate job classification.

**Continuing Education:**

In 2013, we had five “Avoiding Fines & Keeping your Records Updated” classes dealing with OSHA, State Police (Roadside Motor Carrier Safety Inspections), DMV(Driver Records and new laws), and La State Tax Department. We wanted La loggers to get first-hand information from those specific departments regarding all the new and updated laws for loggers of La. The program had 251 attendees with very positive feedback.

In 2013, we had two classes each for BMP, Safety, F/A & E/C, & Business Management that gave CLE’s for attendance. BMP(12); Safety(6); F/A&E/C(7); BM(39)

In 2014, our plans for continuing education are Logger Advance Safety Classes with Dr. Niels de Hoop and OSHA consultants and “Are You Really Making Money?” (Logging Cost Analysis) with Dr. Laurie Grace.

Total Number of individuals completing the curriculum as of December 31, 2013:  
526 Master Loggers + 305 Foresters = 831.

**Training Modules:**

No online training modules were developed or offered in 2013.

**MAINE  
2013  
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 49% less than in 1993. The mechanical logging employees pay a rate 69% 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*

**Day 2**

*Forest Management/Silviculture  
Forest Ecology & Management Systems  
Harvesting Laws*

**Day 1**

*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  
 Mechanical Harvesting Safety & Efficiency*

**Day 2**

*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 First Aid Kit Inventory*

**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.

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 2013	Total fulfilling re-certification requirements in 2013	Estimated # to complete certification training in 2014	Estimated # to complete recertification training in 2014	Total trained since 1991
Logging Contractors	1	69	10	115	663
Logging Employees	122 – mechanical 5 – conventional	326 – mechanical 76 - conventional	55 – mechanical 25 - conventional	430 – mechanical 205 – conventional	2,131– mechanical 2,767 – conventional
Others (Foresters/Contract Admins.)	14 – associates	23 – associates	10 - associates	50 – associates	523 - associates
<b>TOTALS</b>	142	494	100	800	6,084

*\*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 2012 is 3.7 per 100 workers. This is 24% less than the average of all other Maine occupations in the private sector.

**Production**

**Data:** In 2013, approximately 5 million cords were produced by CLP participants.

**Program  
Funding:**

Actual Income and Expenditures for 2013 – \$177,000.00

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)	\$20,000
▪ State Agencies (MFS, DEP, IF & W)	\$10,000
▪ SFI	\$5,000
▪ 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	<u>\$8,000</u>
Total	\$78,000

**Online  
Training  
Modules:**

(No online training modules were developed or offered in 2013.)

**MARYLAND/DELAWARE  
2013  
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 and 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 2013:

- MD "Green Card" Erosion and Sediment Control Certification

- BMP Regulations
- BMP Principles and Practices
- Hazardous Chemical Spill Prevention and Control
- Timber Harvesting Aesthetics

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 2013 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 2014:**

Core courses will be offered on an as-needed basis in 2014.

CE courses planned for 2014 include:

- Insect and Disease Update
- Fire extinguisher training and basic fire control
- How to register as a county/municipal disaster cleanup contractor
- Small business and forest products business assistance and loan programs
- Silviculture and special sites

#### **Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors Logging Employees Other				
TOTALS	8	156	7	175

*\*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  
2013  
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 20 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.

The Michigan SFI Implementation Committee currently organizes the various training curriculum, calendar and schedules. Logger training will be sponsored by a variety of groups including: MFPC, Michigan Association of Timberman and others. MFPC is making a more permanent commitment to logger education in Michigan for calendar year and will be the primary training entity.

**Recap of Michigan Logger Education in 2013**

In 2013, 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. Again this year the need for an additional core training session was determined to be needed and was put onto the schedule for early December.

In 2013, there were 19 SFE Continuing Education training programs and 5 Core Training programs offered across Michigan. The MI SFI Implementation Committee was the primary provider of SFI training. There were 1,234 participants in Continuing education programs in 2013. There were 116 participants in the core training programs in Michigan in 2013.

Other offerings 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 SFI IC tracks logger training and administers the database. There were a total of 23 classes offered and 144 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 SFISM 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 SFI<sup>SM</sup>. 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 2013 calendar year:

- *Truck safety and forest health ( 3 times/locations)*
- *Forest Health / Invasive's (1 times/locations)*
- *T &E Species and Protecting Special Sites (1 times/locations)*
- *Inasives update (8 times/8 locations)*
- *BMP refresher (1 time/location)*
- *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 1,234 loggers and foresters participated in the MI SFI IC training program in 2013 and 116 participated in core training programs.

**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 2013.

**MINNESOTA  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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 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, 2014, there are 40 Minnesota Certified Master Loggers. Five of the 40 are in the process of being recertified.

**Required Courses:**

The Minnesota Logger Education Program, in cooperation with the Minnesota SFI® 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

- 2014 <http://www.mlep.org/trainingcurrent.htm>
- 2013 <http://www.mlep.org/training2013.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 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	393		430	
Logging Employees	262	1,122 (C&E)	150	1100 (C&E)
Natural Resource Mgr	10	52	10	50
<b>TOTALS</b>	<b>665</b>	<b>1,174</b>	<b>560</b>	<b>1,150</b>

**Production**

**Data:** Survey updates indicate that MLEP members are responsible for harvesting more than 95% of the state's annual harvest of 2.5 million cords. Detailed information on the status and capacity of logging businesses in Minnesota's can be accessed here:  
[http://www.forestry.umn.edu/prod/groups/cfans/@pub/@cfans/@forestry/documents/asset/cfans\\_asset\\_470526.pdf](http://www.forestry.umn.edu/prod/groups/cfans/@pub/@cfans/@forestry/documents/asset/cfans_asset_470526.pdf)

**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/mlepannualrept2012.pdf>

MMLC - <http://www.mlep.org/MMLC/mmlcannualrept2012.pdf>

**MISSISSIPPI  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program**

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

The Mississippi Implementation Committee for SFI (MIC) and the Mississippi State University Extension Service have developed a comprehensive continuing education program for loggers. The MS Professional Logging Manager Program (MS PLM) is designed specifically to meet the training requirements for Qualified Logging Professionals under the Sustainable Forestry Initiative standards.

Funding for the MS PLM program comes from three sources, a grant from the MIC, MSU Extension Service and registration fees. The MIC provides funds for the administrative assistant position, database maintenance and mailings. MSU Extension provides coordinator salary and benefits. The majority of funding is generated from registration fees that vary by program offering to cover the costs of materials, meals, travel and contracted instructor fees. In 2013, 185 individuals attended one or more of the core set of classes. An additional 550 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 2014, we will continue to offer all four core workshops as well as continuing education programs.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Number of individuals	185	550	150	1000
TOTALS	185	550 <sup>2</sup>	150 <sup>1</sup>	1000 <sup>2</sup>

<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

Number of Individuals who are Qualified Logging Professionals – 1,303

Number of Qualified Logging Companies - 681

**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 2013.

**MISSOURI  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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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 425 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:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors Logging Employees Other				
TOTALS*	79	425	75	425

*\*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.

On-Line PTH Continuing Education Opportunities:

[Best Management Practices for Woody Biomass Harvesting Module 1](#)

Training module found at: <http://www.moforest.org/educationtraining.html>

**MONTANA  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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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 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	100	845	135	850
Logging Employees	35			
Other				
<b>TOTALS</b>	135	845*	135	850

\* 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 2013.)

**NEW HAMPSHIRE  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**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 29 workshops were conducted during 2013 with a total attendance of 637.

**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

**Timber Harvesting Law**

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

**Safe and Productive Felling**

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

**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, a “Flames, Fluids and Flushing” workshop, Mechanized Logging-hydraulic and electrical troubleshooting, Welding-basic & advanced, and a road building techniques workshop.

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. In 2013 a total of 71 loggers and truckers were either newly certified, or re-certified

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors Logging Employees Other (out of state)				
TOTALS*	71	637	55	610

\* Records do not indicate job classification.

**Production**

**Data:**

Estimated annual production from PLP certified loggers: We estimate that 70% of the wood harvested in New Hampshire comes from operations that have fully trained loggers or foresters overseeing the operation. By that estimate, a little over 2.1 million tons of forest products are harvested annually in New Hampshire by fully trained loggers. These are based on numbers from 2011, and we figure that the total volume has increased in the past two years as the economy recovers.

**Funding Sources for the Program:**

Class fees  
Fund raising at the Annual Loggers and Truckers Convention  
Contribution from SFI  
Membership dues  
Grant funding from The Plum Creek Foundation for certain North Country workshops.

**Online  
Training  
Modules:**

(No online training modules were developed or offered in 2013. We are not pursuing this model at this time, as we feel the networking that comes from attending in person workshops is part of the real value of our program.)

**NEW MEXICO  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Jose J. Varela Lopez Executive Director  
New Mexico Forest Industry Association  
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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:** Description Classroom/Lecture/Discussion/Field

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 2013	Actual Number Submitting Renewal Credits in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Renewal Courses in 2014
Logging Contractors Logging Employees Other				
TOTALS*	121	137	125	150

*\*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 2013.)

**NEW YORK  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** New York Logger Training, Inc.  
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Rensselaer, New York 12144  
Phone: 518/463-1297 x3  
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Email: [mchurch@esfpa.org](mailto:mchurch@esfpa.org)  
Web Page: [www.newyorkloggertraining.org](http://www.newyorkloggertraining.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>Rehabilitation of Forest Stands</u>
<u>Invasive Forest Species</u>	<u>Header Planning &amp; Safety</u>
<u>Hazard Trees</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 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	189	710		
Foresters/Logging Administrators				
Other	10	89		
<b>TOTALS*</b>	<b>199</b>	<b>799</b>	<b>200</b>	<b>800</b>

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

**Production**

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

**Program**

**Funding:** Grants: 50% 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: 15% - all workshops have a registration fee.  
Administrative fee per credit -15%

SFI SIC- 20% for administration.

In-Kind Services: NYLT depends less each year 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.

*Note* - We saw activity in 2013 increase substantially as the 2010 surge came up for recertification. We have changed from a workshop fee based operation to adding an administrative fee.

**Online Training Modules:** (No online training modules were developed or offered in 2013.)

**NORTH CAROLINA  
2013  
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 \$250.00 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 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	76	855		
Logging Employees	7	300		
Other	8	181		
<b>*TOTALS</b>	<b>91</b>	<b>1,336</b>	<b>90</b>	<b>1,336</b>

*\* Combined totals*

**Production**

**Data:** Estimated that 90% 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 \$110 which includes all class fees and membership in the NCFA. There are 1,336 ProLoggers who have met the requirements for the 2013-2014 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

Module 14 - Rutting Prevention, Emergency Action Plan, Overhead Hazards, Technology developments on New Equipment

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 \$250 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 70 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  
2013  
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 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors Logging Employees Other				
TOTALS*	74	331	65	340

\*Records do not indicate job classification. \*Currently, there are 146 Ohio Master Logging companies and 227 trained loggers

**Production**

**Data:** Not Available.

**Additional Training**

**Available:** CSAW Levels 1 & 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  
2013  
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(FP): Qualified education in Oregon Forest Practices Rules, and Oregon industrial fire and burning regulations, offered by a variety of providers—in cooperation with state forester instruction from 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 ('*Sustainable Forestry Training for Logging Operators*' SFT) is required to satisfy one (1) OPL-FP credit for both OPL Initial and Maintenance [verifying the company's field employees have completed the SFT module]. ODF, AOL, and other forest industry firms 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, 2013, 614 logging operator companies maintain their Oregon Professional Logger status, representing roughly 60% of the state's estimated 1,025 logging companies. AOL projects that they produced an estimated 3.2 billion board feet (80%), of Oregon's estimated 3.95 billion board foot timber harvest statewide in calendar-year 2013.

**Training Summary:**

Participants	2/ Actual Number Completing Entire LT&E Program in 2013	3/ Actual Number Attending At Least One Course in 2013	2/ Estimated Number Expected to Complete LT&E Program in 2014	3/ Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	614	841	630	850
Logging Employees		2,929		2,900
Other				
1/ COMPANY TOTALS	614	3770	630	3770

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.

Administration expense for the OPL program is borne primarily by Associated Oregon Loggers, Inc. AOL does offer a few training programs (see above). Most classes are provided by other training organizations. Training costs for attending employees are paid by each OPL logging operator “company,” such as registration fee, travel expense, wage, and lost production. Oregon Dept. of Forestry is a training cooperator, which may provide in-kind support to AOL and the OPL (instructors/curriculum/facilities) for classes offered in forest practices, fire, and burning. Over the 18-year history of the OPL, the SFI-Oregon Implementation Committee has contributed about \$40,500 to support AOL administration of the OPL program.

**Training**  
**Modules:**

(No online training modules were developed or offered in 2013.)

**PENNSYLVANIA  
2013  
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> Implementation Committee (SIC) administers Pennsylvania logger training and education programs in Pennsylvania. The PA SIC is housed as an independent sub-committee of the Pennsylvania Forest Products Association (PFPA).

In addition to organizing and administering training, the PA SIC oversees training program policy, maintains the state's logger training records, and provides a list of currently trained Timber Harvesters on their website ([www.sfiopa.org](http://www.sfiopa.org)).

The PA SFI<sup>®</sup> Professional Timber Harvester Training Program is a non-certification program. The PA SIC does not audit the work of those who participate in the program and therefore does not certify individuals who maintain current PA SFI Training credentials.

Since 2007 the Pennsylvania DCNR Bureau of Forestry has required the crew leader on each contracted timber harvest on state lands to have current PA SFI training. This policy is consistent with the requirements and recommendations for harvests conducted on forest that are certified by SFI<sup>®</sup>, FSC<sup>®</sup>, and other forest certification systems in Pennsylvania as well as State Game Lands under the Pennsylvania Game Commission. In addition, many private forest landowners and forest products mills also require PA SFI<sup>®</sup> Professional Timber Harvester Training for their harvesting contractors.

At the end of 2013, Pennsylvania had 711 individuals with valid PA SFI training. This number has remained fairly steady.

**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 well respected 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 function and characteristics.

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 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	84	495	100	500
Logging Employees				
Other				
<b>TOTALS</b>	<b>84*</b>	<b>495*</b>	<b>100*</b>	<b>500*</b>

*\* Records do not indicate job classification.*

### **Production**

##### **Data:**

Production data for Pennsylvania’s trained Professional Timber Harvester workforce is not available. However, intuitive estimates place the percentage of the state’s wood produced by fully trained Professional Timber Harvesters fairly high. U.S. Census data indicates that Pennsylvania had 676 employees of logging operations in 2010. While this might not be completely inclusive (i.e. may not capture all of the single proprietors, part-timers, and perhaps even some sawmill logging crews), it does give some comparison to the number of individuals with current PA SFI training (711 at the end of 2013). Additionally, previously mentioned requirements by DCNR, SFI Participating companies, and others to use PA SFI trained Timber Harvesters bolsters this estimate.

**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  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY  
SFI PROGRAM PARTICIPANT NAME: Quebec SIC**

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**Program**

**Name:** **Formation entrepreneur accrédité**

In 2013 the Quebec SIC introduced on the web site 10 training modules to support the program for qualified wood producer.  
[www.sfi-quebec.org](http://www.sfi-quebec.org)

**Required  
Courses:**

In addition to the SIC Program for qualified wood producer, each program participant has an annual training session associated with ISO 14001 and SFI to make sure that every worker involved in the operation has the knowledge and are qualified. For example, Louisiana Pacific trains their loggers each year on health and safety, environmental concerns and forest certification.

Sample of courses of program participants :

- Best management practices (Saines pratiques)
- Training on SFI Principles (Formation de base SFI)
- Annual training for loggers (Induction\_coupe)
- Annual training for road construction (Induction\_construction\_chemin)
- Annual training for truck drivers (Induction\_transport)
- Annual training for silviculture workers
- Field visits to small woodlot owners (education)
- Transportation of dangerous goods

**Production**

**Data:** In 2014, the Quebec SIC will centralize the information about qualified logging professionals on their web site. This information will be available upon request.

**Continuing  
Education:**

Each year program participants offer annual training, and maintains a registry of participants attending training. In those training sessions if there have been any changes in legislation or in other requirements, it is

reviewed during the session.

**Additional  
Training  
Available:**

Additional training is offered by some program participants but not with the Quebec SIC. For example:

For employees and contractors:

- Ecosystem-based management
- Field exercise on Emergency Situations (Fires, Spills, Accidents)
- Safe driving
- Eco-driving
- First aid

For small woodlot owners:

- Best Management Practices

**Program  
Funding:**

SIC internal funding

**Training  
Modules:**

In 2013, Quebec SIC finished the development of a training program available for all SFI Program Participants. The training program includes specific modules on :

- Sustainable Forest Management Certification
- Quebec SFI Implementation Committee
- Sustainable Forestry Initiative Standard
- Qualified Logging Professional
- Species at risk - Invasive species
- Harvest, wildlife and site protection
- Access and water quality
- Reforestation and aesthetics
- Dangerous goods
- Legal requirements

The Training Program is available on the SIC website

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	136	23	17	5
Logging Employees	380		340	10
Foresters	55		36	10
Landowners	72	65		50
Government Officials	1			5
Students	5		4	
Other silviculture	43		50	10
*TOTALS	692	88	447	90

\* Combined totals

**SOUTH CAROLINA  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**Program  
Name:**

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

The Timber Operations Professional (TOP) Program is the South Carolina Forestry Association's commitment to raising the professional standard of timber harvesting. TOP is designed to improve safety, efficiency, and environmental protection.

The TOP 2-Day course provides the latest information of timber harvesting, safety, business and environmental regulations. The course is tailored primarily for loggers, job foreman, contractors, and foresters.

In order to become TOP Trained in South Carolina, an individual must successfully complete the TOP 2-Day course. Upon completion, the individual will need to maintain his or her status by fulfilling two annual requirements:

1. All participants will be required to view the most current TOP Update training DVD. Viewing sessions will be offered and coordinated by approved facilitators. Participants are encouraged to contact their mill representative, forester or procurement manager for specific details about training events. For more information on upcoming classes and training events, please check the SCFA website [www.scforestry.org/top](http://www.scforestry.org/top).

2. All participants will pay an \$80 annual fee to maintain current TOP Trained status. The SCFA TOP Committee will use these fees to pay for DVD production costs and various program expenses.

If an individual does not complete both of these annual requirements by the June 30th deadline, that person will have to repeat the TOP 2-Day course in order to be reinstated.

**Required  
Courses:**

The TOP-2 Day course is an intensive two-day training program that was offered two times in Columbia in 2013 and produced 130 new graduates. The primary topics covered are:

- Forest Resource Conservation
- Introduction to SFI and the Standards
- Safety/OSHA Regulations
- Trucking & Transportation Issues
- Soil Operability
- Emerging Technology
- Controlling/Avoiding Risks in a Logging Operation
- Timber Security

Advocacy – Public Policy & Outreach

Invasive Species

Business – Coaching the Professional Logger

Best Management Practices

Instructors for the TOP 2-Day includes individuals from the following agencies or companies: SC Forestry Commission, Clemson Extension, SC Timber Producers Association, Forestry Mutual, Davis-Garvin Agency, Inc., NRCS, a TIMO representative, a paper mill representative, and SC State Transport Police.

**Other:** Total training accomplishments to date include: 3,381 graduates of the TOP Program. In 2013, SC had 1,110 individuals on the TOP Trained List.

**Training Summary:**

Participants*	Actual Number Completing Entire LT&E Program in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
	96 (New Participants) 34 (Have had TOP training in the past)	130 – 2-Day TOP	800 – DVD Annual Update 130 – TOP 2-Day
TOTALS	130 - 2-Day TOP	130 (50 attended a class in Jan 2014, expecting 80 people to take March & Sept. courses)	930

\* 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 is a self-supporting program of the SC Forestry Association.

**Training**

**Modules:** TOP Update 2013 DVDs were available and could be purchased from the SC Forestry Association for \$50. No online training modules were developed or offered in 2013.

**TENNESSEE  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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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.

In 2013 our SFI committee requested that we now show Master Logger card expiration dates as 12/1 two years from the year that the initial course or continuing education (CE) class was taken (i.e., the loggers receiving a Master Logger card in 2013 showed an expiration date of 12/1/15, even if they had taken the class in January, 2013). All cards issued in 2014 will have an expiration date of 12/1/16. Our SFI committee members believed it would facilitate easier reporting with a uniform expiration date.

**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.

Dr. Wayne Clatterbuck and Dr. Adam Taylor (Univ. of Tennessee) introduced a new CE class in 2013 that highlighted wood products certification, treatment for Emerald Ash Borer, Thousand Cankers Disease, and Biomass Harvesting. Dr. Dalia Abbas (Tennessee State) made presentations on efficiency in the woods and professional logger efficiency. The TN Division of Forestry continues to provide excellent training on Best Management Practices. We also provide updates on fuel use and efficiency by Parman Oil Company, and Forest Resources Technology gives presentations on efficiency through use of new computer programs.

Our Master Logger Committee continues to be active within TFA and takes pride in the "hands on" training offered in the Master Logger course. Every CE class has an afternoon field trip to the woods component and the loggers are engaged in discussion and activities in the woods. Our classes are still offered throughout the state, usually in about 20 locations for the CE classes during the year; we make every effort to make it as convenient as possible for our loggers to attend.

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

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	0	0	0	0
Logging Employees				
Other				
<b>TOTALS</b>	19	410	50	450

*\*Records do not indicate job classification.*

*\*\* 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  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**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, Invasive Species, and Aesthetics
- (3) \*Safety Training
- (4) Business Management

All logging contractors and foremen should take all courses to qualify for the Texas 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 2013, two rounds of core logger training workshops were held.

**Database:** The Texas Logger Training database is published at [www.texasforestry.org](http://www.texasforestry.org). It was revised in early 2014 to include a unique certificate number for each Pro Logger.

**New in 2013:** Business Management was offered online in addition to the live course.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Core Course in 2013	Actual Number Attending At Least One Continuing Ed Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Loggers	40	19	330	40	450
*Other	5	0	67	24	50
<b>TOTALS</b>	<b>45</b>	<b>19</b>	<b>397</b>	<b>42</b>	<b>500</b>

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

**Production:** In 2012, 408.9 million cubic feet of pine and 106.1 million cubic feet of hardwood were harvested in Texas for industrial consumption, an increase 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 2013.

**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:** Safety is offered online and in 2013, Business Management came online.

**VERMONT  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**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  
Technology in the Industry  
Marketing

**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. We are allowing Loggers to challenge the FA & CPR course vs. repeating the whole day every two years.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	24	66	25	125
Logging Employees	2	2		4
Other				
<b>TOTALS*</b>	<b>26</b>	<b>68</b>	<b>25</b>	<b>129</b>

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

**Production**

**Data:** Unavailable.

**Program**

**Funding:** LEAP is primarily funded by the one time Registration fee of \$300 and workshop day fees. International Paper has graciously sponsored the program with donations between \$500 and \$1,000 / year. We receive no monies from SFI. We are now offering a discounted rate for members of the Vermont Forest Products Association to boost membership of that organization.

**Online**

**Training**

**Modules:** (No online training modules were developed or offered in 2013.)

**VIRGINIA  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Scott Barrett, Extension Specialist, Forest Operations and SHARP Logger Program Coordinator  
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Web Page: [www.SHARPllogger.vt.edu](http://www.SHARPllogger.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:

Chipper Maintenance and Productivity Workshop  
Logging Business Management Workshop  
GPS Workshops  
Basic Timber Cruising Workshop  
BMP Workshops  
Chainsaw Safety  
Gypsy Moth Compliance Workshops  
Logger Safety Awareness & OSHA Refresher Workshop

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	60	430	25	600
Logging Employees	15	110	25	300
Other	35	279	25	100
TOTALS	101	819	75	1,000

**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  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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**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 12-31-13 a total of 832 individuals representing about 615 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. Forest Practices
  - Forest practice applications

- Riparian and wetlands protection
  - Regeneration requirements
  - Wildlife tree requirements
  - Road construction and maintenance
  - Cultural resources
  - Enforcement and assistance
4. Logging Business Management
- Business taxes
  - Insurance requirements
  - Operational costs
  - Financial management and credit
  - Ethics and image of the logger

First Aid Training(must include CPR and First aid)

- A valid first aid card is required. However, first aid is not included in the curriculum

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

In 2013, WCLA trained about 750 loggers in first aid.

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	25	115	20	110
Logging Employees	53	115	55	110
Other	6	20	5	15
<b>TOTALS</b>	<b>84</b>	<b>250</b>	<b>80</b>	<b>225</b>

**Production**

**Data:** Two billion board feet produced by Master Loggers in 2013.

**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 2013 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 2013.)

**WEST VIRGINIA  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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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:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors Logging Employees Others				
TOTALS*	152	1,047	100	1,000

*\*Records do not indicate job classification.*

### **Production**

**Data:** Not Available.

**Other:** In 2013, there were a total of 834 timber licenses and 1082 certified loggers in West Virginia. (During 2013, there were 106 new timber license applications and 152 new certified logger applications.)

**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.

**WESTERN CANADA  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

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

**Contact:** 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:** SFI General Awareness Training (Principles and Objectives)

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

**Training Summary:**

Participants	Actual Number Completing Entire LT&E Program in 2013	Actual Number Attending At Least One Course in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014
Logging Contractors	472			
Logging Employees				
Foresters				
Landowners				
Government Officials				
Students				
Other	155			
<b>*TOTALS</b>	<b>627</b>			

\* Combined totals

**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 of the WCSIC Training Policy to logging contractors working for program participants are maintained by individual program participants. For larger program participants with multiple operations these training materials are typically maintained and delivered separately by each operation.

**WISCONSIN  
2013  
LOGGER TRAINING AND EDUCATION SUMMARY**

**Contact:** Forest Industry Safety & Training Alliance, Inc (FISTA)  
Ben Parsons, Training Coordinator  
PO Box 714  
Rhineland, WI 54501  
Phone: 800/551-2656  
Fax: 715/282-7987  
Email: [info@fistausa.org](mailto:info@fistausa.org)

**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 2014 SFI® Training Standard. In 2013, 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 2013, FISTA organized 32(4hr) C.E. workshops with attendance totaling 1,108. Currently for 2014, 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 2013</u>	<u># Scheduled for 2014</u>
BMP's for Water Quality	4	5
BMP's for Invasive Species	4	5
Aerial Photo Interpretation & Internet Maps	2	--
Bars & Chains	2	--
Bucking for Grade	1	0
Business Management	3	--
Chain Saw Safety	Scheduled as needed	2
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 2013	Actual Number Attending At Least One Course in 2013	Actual Number Attending Approved Electives in 2013	Estimated Number Expected to Complete LT&E Program in 2014	Estimated Number Expected to Attend Some Courses in 2014	Estimated Number Expected to Attend Approved Electives in 2014
Logging Contractors Logging Employers Other						
TOTALS	70	1,108	574	50	1,150	575

\* 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.