

# Logging: Disabling Claims and Inspections

Calendar Years 1991 through 1995



Research & Analysis Section  
Oregon Department of Consumer  
& Business Services



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# Logging: Disabling Claims and Inspections Calendar Years 1991 Through 1995

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## Introduction

This report provides summary information on work-related injuries and illnesses which occurred in the logging industry in Oregon. It also includes summary information about inspections done by Occupational Safety and Health Specialists of the Oregon Occupational Safety and Health Division (OR-OSHA) of the Department of Consumer & Business Services (DCBS). Data on the violations found and citations issued as a result of these inspections are also provided. This report covers calendar years 1991 through 1995, although some older data are included. All data are subject to revision.

Data in this report cover only employers, and their employees, classified as logging establishments on the basis of their major activity; the data do not include log truck drivers, for example, employed by establishments classified as having a major activity other than logging, such as local trucking. The exceptions are data on workers' compensation premiums paid for logging risks, including log hauling, and on violations of the forest activities code, with OR-OSHA enforcement applicable to logging activities.

Data on work injuries and illnesses to loggers are taken from the First Report of Injury (DCBS Form 801). This

form is filed with the Department of Consumer & Business Services when a disabling injury or illness claim is submitted by an employer to its workers' compensation insurance company. The claims are counted in a year if they were *accepted* in that year. In other words, if an injury occurred in December 1994, but its claim was not accepted as disabling until January 1995, that claim would be counted in 1995.

Appendix A contains 32 tables, providing much of the information in this report. In addition to 1995 data, most of the tables give a five-year average (1991-1995) and/or annual data as far back as 1991 for comparison. Appendix B has a brief description of each job-related logging death in 1995. Glossaries of terminology used may be found in Appendices C and D.

If you are interested in more information about logging injuries or inspections, you can contact the Research & Analysis Section, Information Management Division of the Department of Consumer & Business Services, 350 Winter St. NE, Room 300, Salem, Oregon 97310, telephone (503) 378-8254.

## Highlights and References to Main Report

- 1995 disabling logging claims totaled 639, a decrease of 3.6 percent from 1994. (p. 3)
- The 1995 claims rate per 100 employees was 7.0, the lowest figure since at least 1976. (p. 3)
- Three loggers were killed in work-related accidents in 1995. (p. 3)
- The largest number of claims by age group occurred in the 30-34 age bracket. (p. 3)
- During 1995, more loggers were injured in September and October. (p. 3)
- Loggers working in their first six months on the job were injured in 34.0 percent of the cases. (p. 3)
- 1995 logging injuries and illnesses occurred most often in Douglas (11.6 percent) and Lane (10.2 percent) counties. (p. 3)
- The rate of claims per 100 million board feet harvested decreased from 12.5 in 1994 to 11.6 in 1995. (p. 3)
- Loggers suffered sprains and strains in 38.7 percent of the cases in 1995. (p. 4)
- Loggers hurt their backs in 14.7 percent of the 1995 cases and their trunks in 14.9 percent. (p. 4)
- 35.2 percent of the loggers were “struck by” an object when injured in 1995. (p. 4)
- Buckers, cutters, and fallers accounted for 25.5 percent of the cases in 1995. (p. 4)
- The lost-workday-case incidence rate (lost-workday cases per 100 full-time workers) was 10.7 in 1995, an increase of 57 percent from 1994. (p. 5)
- In 1995, a disabling claim for a logging injury or illness lost an average of 112 workdays and cost an average of \$19,252. The average cost of a logging claim is 93.6 percent more than all private sector claims and has an average of 42 more lost workdays. (p. 6)
- In 1996, base rates for workers’ compensation premiums declined for two of the four logging risk classifications. (p. 6)
- 283 inspections were done at logging locations in 1995, finding 157 serious/willful violations, eight repeat violations and 234 other violations. (p. 6)
- Total penalties were \$64,490 in 1995, down 80.5 percent from 1994. The total penalty for serious, willful and repeat violations had a sharp drop of 80.7 percent to \$63,650 from \$329,330 in 1994. (p. 6)

## Employment, Disabling Claims, and Fatalities in the Logging Industry

Text Table 1 summarizes 15 years of data on employment, disabling claims, and fatalities in the logging industry. In 1995, employment was 9,079, not very different from 9,139 in 1994. Accepted disabling claims totaled 639, a decrease of 3.6 percent from the previous year. The claims rate per 100 employees was 7.0, the lowest figure since at least 1976. The number of logging fatalities was three, well below average.

### Employment

The 1995 figure for logging employment marks a continuation of the downward trend from 1988's peak. The number of active employers declined to 1,248 in 1995, compared to 1,288 logging firms the previous year. Douglas and Lane Counties continued to show the largest logging employment (see Table 1).

### Disabling claims

The 1995 claims rate per 100 employees reached a historically low level. Claims per 100 million board feet harvested fell 7.2 percent, from a rate of 12.5 claims in 1994 to 11.6 in 1995 (see Table 2).

Descriptive data for 1995 logging injuries and illnesses tend to be similar to that for 1991 through 1995. Loggers 30 to 34 years old were the **age** group most often injured or ill (over 20.0 percent) during the years 1991-1995, (see Table 7). The **sex** of the overwhelming majority was male (see Table 8). Among claims accepted as disabling during 1995, more loggers were injured or exposed in September and October. July was the most frequent **month** of injury or illness over the five-year period, followed by August (see Table 9). In 1995, employees with a **length of employment** of six months or less (with their employer at injury or illness) accounted for 34.0 percent of claims. The five-year total for 1991-1995 shows 40.7 percent of the injuries or illnesses occurring within the first year (see Table 10). In 1995, over half (51.8 percent) of all the injuries and illnesses occurred in the first two years. The most injuries and illnesses by **county of occurrence** were in Douglas at 11.6 percent and Lane at 10.2 percent. These are the counties with the highest number of logging employers and timber harvested (see Tables 11, 1 and 2).

**Text Table 1**  
Employment, disabling claims, and fatalities, logging industry, Oregon, 1981-1995

Calendar year	Employment <sup>1</sup>	Disabling claims	Claims rate (per 100 employees)	Fatal cases	Fatality rate (per 1000 employees)
1981	11,115	1,483	13.3	10	0.9
1982	10,091	1,139	11.3	14	1.4
1983	11,825	1,837	15.5	24	2.0
1984	12,843	2,063	16.1	18	1.4
1985	12,067	2,026	16.8	27	2.2
1986	12,186	1,922	15.8	25	2.1
1987	12,458	1,645	13.2	15	1.2
1988	13,035	1,835	14.1	22	1.7
1989	12,611	1,463	11.6	22	1.7
1990	11,425	1,202	10.5	19	1.7
1991	10,007	878	8.8	13	1.3
1992	10,197	779	7.6	3	0.3
1993	9,902	766	7.7	11	1.1
1994	9,139	663	7.3	7	0.8
1995	9,079	639	7.0	3	0.3
Average	11,199	1,481	13.2	16	1.4

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (1/97)

<sup>1</sup> Employment figures taken from Employment Department data.

Sprains and strains have consistently been the major **nature** of injury in the logging industry, accounting for 38.7 percent of illnesses and injuries in 1995 (see Table 3). The **parts** of the body most often affected by the injury or illness were the trunk, at 14.9 percent and the back, at 14.7 percent of the claims (see Table 4). Loggers were struck by or against an object or objects in 35.2 percent of the cases in 1995, and “struck by or against” is consistently the most prevalent **type** of accident or exposure (see Table 5). The most common **source** of injury or illness was working surfaces at 29.4 percent in 1995 and 30.5 percent over the last five years. Nonclassifiable or unknown sources accounted for nearly as many injuries and illnesses, with 27.7 percent for 1995 and 30.1 percent over the last five years (see Table 6).

The **occupation** of an injured or ill logger is often taken as the starting point for further analysis of disabling logging claims. Compared to other logging occupations, more 1995 injuries and illnesses were recorded for buckers, cutters, and fallers, who accounted for 25.5 percent of the cases. For the period 1991 to 1995, this occupation accounted for 26.8 percent of claims (see Table 12). In 1995, as in previous years, more than one-third of the claims for buckers, cutters and fallers involved being struck by or against an object or objects (see Table 20). The occupation with the second highest number of claims in 1995 was choker setters. Tables 13 through 19 provide a detailed view of claims for logging **occupations by nature, part, type, source, age, length of employment, and county of occurrence**.

Another method for analyzing an injury or illness is to crosstabulate the variables nature, part, type, and source. Chain saw cuts are one kind of injury of particular interest to those promoting safety within the logging industry. The 1995 figure of 25 represents a decline of 26.5 percent from 1994, and a 60.3 percent decline from 1991 data. The leg is consistently the body part most often affected

by chain saw cuts; buckers, cutters, and fallers suffered 40.0 percent of the chain saw cuts injuries for 1995 (see Tables 21, 22, and 23). Occupational illnesses also merit attention: in particular, there were four hearing loss claims for 1995, and the five-year average was 6.8 claims per year (see Table 24).

### **Fatalities in logging**

The logging industry accounted for three out of 48 claims accepted as work-related fatalities in Oregon during 1995. In 1995, two of the three loggers killed were in transportation accidents. However, for the four preceding years, beginning in 1991, being struck by or against accounted for 59.5 percent of the fatalities (see Table 27). Table 28 shows that the **source** of the fatal accident or illness, prior to 1995, had most often been working surfaces. Douglas **County** accounted for two of the three fatal accidents in 1995 (see Table 31). The **occupation** with the most fatalities has been buckers, cutters, and fallers (16.2 percent claims), and they have died most often from struck-by accidents (see Tables 25 and 26). Table 30 shows that 43.2 percent of loggers killed at work from 1991 to 1995 had a **length of employment** of one year or less. Table 29 provides information on the logger’s **age** at the time of the injury or exposure leading to death.

Appendix B has a brief description of the three incidents which resulted in a claim for fatality benefits accepted during 1995.

More detailed fatality data are available on request in the *Oregon Industrial Fatality Report* produced by the Research & Analysis Section of the Department of Consumer & Business Services.

## Incidence Rates For Occupational Injuries and Illnesses in Logging

An incidence rate tells how many injuries and/or illnesses, or how many lost workdays there are for every 100 full-time equivalent workers. Incidence rates are calculated from data collected by the *Annual Occupational Injury and Illness Survey*. This survey is conducted by the Department of Consumer & Business Services in cooperation with the U.S. Bureau of Labor Statistics. Incidence rates are based on cases which are “recordable” under OSHA record-keeping guidelines. Not all claims submitted for workers’ compensation are “recordable” cases. Text Table 2 gives incidence rates for Oregon, Washington, Alaska, and the United States.

Total cases are composed of lost-workday cases and nonfatal cases without lost workdays. Oregon’s *total-cases* incidence rate in logging was 16.2 for 1995, up 29.6 percent from 1994, but similar to what it was in 1991-1993. This incidence rate indicates that, on the average, about one out of every six Oregonians employed in the

logging industry experienced a job-related injury or illness sometime during the year.

The *lost-workday-cases* incidence rate measures the number of occupational injuries and illnesses per 100 full-time workers that resulted in days away from work and/or days of restricted work activity. The 1995 lost-workday-cases incidence rate for Oregon's logging industry was 10.7, up 57 percent from 1994 but similar to what it was in the years 1991-1993.

Text Table 2 shows that Oregon’s total cases and lost-workday-cases incidence rates were lower than Alaska’s and Washington’s in each of the last five years. While the incidence rates for the logging industry nationwide have been consistently lower than those for any of the three northwestern states, Oregon’s declining incidence rates have come to approximate most closely the national incidence rates.

**Text Table 2**  
Incidence rates<sup>1</sup> for occupational injuries and illnesses, logging industry, northwestern states and the United States, 1991-1995

	1991		1992		1993		1994		1995	
	Total cases	Lost work-day cases								
Oregon	17.6	10.3	17.0	9.6	18.2	10.0	12.5	6.8	16.2	10.7
Washington	29.2	16.1	32.1	15.5	25.5	13.2	19.1	7.7	22.9	9.6
Alaska	33.4	21.3	22.9	15.0	33.4	18.7	25.7	17.0	21.4	12.8
Total U.S.	15.9	10.0	14.6	8.9	13.8	8.4	11.0	6.6	10.6	6.7

<sup>1</sup> Incidence rates represent the number of injuries and illnesses or lost workdays per 100 full-time employees.  
Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (12/96)

## Average Costs of Disabling Claims

Text Table 3 compares the average (mean) costs and days lost of logging claims with private sector and statewide (public and private sector combined) claims.

than in the private sector over all, particularly in time loss paid. A logging claim costs 93.6 percent more than the average private sector claim.

On the average, injuries and illnesses to loggers result in 60.0 percent more lost workdays and are more expensive

**Text Table 3**  
Cost and time loss data for calendar year closures, Oregon, 1995

Industry	Claims determined	Average days lost	Medical	Time loss	PPD	Total <sup>1</sup>
Logging industry	639	112	\$8,529	\$7,556	\$3,168	\$19,252
Private sector total	27,778	70	\$4,810	\$3,440	\$1,696	\$9,946
Statewide total	30,564	68	\$5,676	\$4,039	\$2,092	\$11,807

<sup>1</sup>Cost is up to time of closure by Evaluation Section, DCBS, or by insurer; excludes litigation and rehabilitation. Total cost also excludes cost of fatal and PTD claims. Average total cost of the three fatal claims in 1995 was \$329,022; of the three net PTD claims, average cost = \$1,024,679.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (9/96)

## Pure Premium Paid for Logging Risks

The National Council on Compensation Insurance (NCCI) is the rating bureau for workers' compensation insurance in Oregon. It has established nearly 600 occupational classifications and is charged with developing a "pure premium" rate for each, subject to the approval of the Oregon Insurance Commissioner. Pure premium is the amount of premium necessary to pay expected losses on each \$100 of payroll.

These rates do not reflect the whole cost of workers' compensation for an employer: actual premiums include the expense loading factor approved by the insurance commissioner for an individual carrier, modifications based upon the injury experience of the insured, as well as

retrospective rating, premium discounts and dividends, etc. Some employers, who would otherwise be unable to obtain coverage, may pay a higher premium for Assigned Risk coverage from authorized servicing carriers. In addition, the Department of Consumer & Business Services collects assessments to fund operations related to workers' compensation.

Text Table 4 shows that the pure premium rates in effect for 1996 declined for two of the four logging risk classifications compared to the 1995 rates. The trend of lower pure premium rates beginning in 1991 is a result in part of the decline in disabling claims that began in 1989.

**Text Table 4**  
NCCI advisory pure premium rates per \$100 payroll, logging occupations, Oregon, 1992-1996

Year	Log/lumber & drivers (2702)	Log equipment maint & repair (2703)	Logging: mechanized equip. operation (2725)	Log hauling & drivers (9310)
1992	\$21.55	\$6.88	\$21.55	\$14.60
1993	\$20.22	\$6.09	\$20.22	\$13.62
1994	\$22.37	\$5.43	\$22.37	\$12.85
1995	\$20.37	\$4.59	\$17.28	\$12.89
1996	\$20.86	\$4.92	\$13.92	\$12.14

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (1/97)

## Inspections, Violations, and Citations for Logging Employers

Text Table 5 summarizes enforcement activities of the Oregon Occupational Safety and Health Division (OR-OSHA) at logging operations. In 1995, logging inspections numbered 283, up 5.6 percent compared to 1994, and covered a total of 1,526 employees. The 38.6 percent rate of compliance with safety and health codes (inspections which found no violations) was a slight improvement over the previous year with 37.5 percent in compliance.

The number and types of violations found during logging inspections are also shown in Text Table 5. Serious and willful violations totaled 157 in 1995, a small decrease (6.5 percent) from 1994. Repeat violations dropped sharply to eight, while other violations totaled 234 in 1995. Other violations accounted for 58.6 percent of total violations in 1995, compared to 54.6 percent in 1991.

The penalties assessed refer to the dollar amount of the penalties before any reduction that might take place at an informal conference or a hearing. Penalties for serious/

willful violations totaled \$60,850 (down 81.1 percent from 1994) in 1995, repeat violation penalties totaled \$2,800 (down 63.6 percent), and penalties for other violations totaled \$840 (down 35.4 percent). Although other violations (234) outnumbered the serious/willful and repeat violations (165) in 1995, the penalties assessed for serious/willful and repeat violations were much higher: \$63,650 compared to \$840 (see Text Table 5). The number of citations issued in 1995 was 170, almost the same as 166 in 1994. (A citation may contain multiple violations.)

Table 32 lists inspection, violation and citation data by county. In 1995, Lane County was highest in inspections, 92, and citations, 53, for 508 employees covered. Douglas County firms were cited for 42 violations. Linn County firms were issued nine citations, but received the highest dollar penalties at \$12,335.

**Text Table 5**  
Inspections, violations, and citations,  
logging industry, Oregon, 1991-1995

Calendar year of inspection	Inspections			Violations <sup>2</sup>						Citations issued
	Safety & health	Employees covered	Percent in compliance <sup>1</sup>	Serious/willful		Repeat		Other		
				Number	Dollar penalties	Number	Dollar penalties	Number	Dollar penalties	
1991	562	3,240	30.6	298	\$129,555	37	\$14,125	403	\$8,970	388
1992	475	2,985*	23.2	397*	\$118,180*	29	\$8,705	511	\$6,925	361
1993	466	2,890	29.6	344*	\$162,125	16	\$7,600	365	\$2,675	325
1994	268	1,953	37.5*	168	\$321,630	21	\$7,700	226	\$1,300	166
1995	283	1,526	38.6	157	\$60,850	8	\$2,800	234	\$840	170

<sup>1</sup> An employer is "in compliance" if no violations were found during an inspection.<sup>2</sup> Each set of grouped violations was counted as one violation. All penalties associated with grouped violations were included in the totals.

<sup>3</sup> All data subject to revision.

\* Revised from previous publications.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (1/97)

Text Table 6 ranks the Forest Activities standards most frequently cited for serious/willful violations. These 10 standards account for 112 of the 157 serious/willful violations cited during 1995 inspections of all industries

engaged in forest activities. Of these, a total of 49 violations involved personal protective equipment (Rule 045). The highest average penalty within the “Top 10” was for yarding at \$2,025 per violation.

**Text Table 6**  
Most cited serious and willful Forest Activities rules,  
Oregon, 1995 inspections

Rank	Standard violated	Description	Times cited	Initial penalties	Penalty per violation
1	437-6-045(6)	Personal protective equipment, chain saws	30	\$3,840	\$128
2	437-6-310(12)	Materials stored near pinch point	17	\$3,330	\$196
3	437-6-045(9)	Hearing protection	13	\$1,730	\$133
4	437-6-015	Safety & health program	12	\$10,615	\$885
5	437-6-050(15)	Ambulance name & phone number	11	\$1,510	\$137
6	437-6-015(4)	Safety & health program	7	\$11,760	\$1,680
7	437-6-045(2)	Hard hats	6	\$1,900	\$317
7	437-6-065(3)	Brakes on power chain saws	6	\$920	\$153
9	437-6-050(15)(b)(a)	Ambulance name & phone number	5	\$1,570	\$314
9	437-6-405(8)	Yarding, skidding, landing logs	5	\$10,125	\$2,025

<sup>1</sup>Oregon Administrative Rules, Chapter 437, Division 6.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (11/96)

**Table 1. Number of active employers and employment by county, logging industry, Oregon, 1991-1995**

County	Average 1991-1995		1991		1992		1993		1994		1995	
	Active employers	Avg employment	Active employers	Avg employment	Active employers	Avg employment	Active employers	Avg employment	Active employers	Avg employment	Active employers	Avg employment
Baker	22	126	22	127	22	146	22	125	22	123	23	110
Benton	34	237	31	233	32	247	36	236	37	237	35	234
Clackamas	48	216	49	242	50	231	48	209	48	203	47	194
Clatsop	32	328	30	331	28	329	33	340	35	325	35	317
Columbia	30	244	31	247	28	225	26	230	32	228	33	289
Coos	113	713	114	742	117	689	114	715	111	709	108	709
Crook	22	227	23	250	26	268	20	250	20	186	22	182
Curry	21	135	20	160	19	129	21	125	23	130	22	133
Deschutes	31	219	34	205	35	264	31	235	28	207	28	185
Douglas	196	1,272	227	1,345	210	1,331	194	1,335	181	1,137	169	1,214
Gilliam	0	0	0	0	0	0	0	0	0	0	0	0
Grant	42	215	43	219	40	254	42	215	44	202	43	187
Harney & Malheur	9	82	8	111	9	92	10	105	11	60	9	44
Hood River	12	58	12	85	12	69	11	56	12	41	13	41
Jackson	68	639	71	560	70	564	69	610	66	657	66	806
Jefferson	7	55	10	54	9	66	8	60	5	50	3	46
Josephine	27	181	27	197	24	204	28	190	31	180	23	132
Klamath	38	407	34	348	36	465	40	493	40	436	38	295
Lake	10	41	11	42	9	38	10	42	10	44	11	40
Lane	213	1,103	232	1,256	224	1,213	214	1,123	206	1,033	191	890
Lincoln	31	244	31	302	32	283	32	252	33	237	27	145
Linn	70	638	69	562	71	741	69	730	71	580	68	575
Malheur	<1	0	—	—	—	—	—	—	0	0	1	0
Marion	37	903	40	884	36	884	36	905	37	896	36	945
Morrow	10	46	10	58	10	54	9	50	10	43	9	27
Multnomah	7	17	6	25	6	9	7	10	8	21	10	19
Polk	24	157	32	157	26	168	22	148	19	123	23	187
Sherman	0	0	0	0	0	0	0	0	0	0	0	0
Tillamook	15	112	14	106	15	97	14	92	14	87	18	179
Umatilla	15	81	17	97	14	86	13	74	14	77	16	73
Union	31	226	35	247	32	264	29	213	27	204	30	201
Wallowa	21	147	21	163	22	159	22	148	20	147	20	116
Wasco	8	68	11	90	8	71	7	58	6	55	6	66
Washington	21	79	19	46	19	66	20	81	22	91	24	110
Wheeler	3	8	3	9	3	6	3	3	3	6	4	17
Yamhill	33	342	40	412	34	357	31	314	31	314	30	312
Multi-county	12	95	13	99	13	119	12	126	12	70	11	60
Total state	1,315	9,665	1,392	10,007	1,342	10,197	1,303	9,902	1,288	9,139	1,248	9,080

Notes: Figures based on data from Oregon Employment Department.

Due to rounding, the sum on the columns may not equal the total. Rounding of 0.5 is to the nearest even-whole number.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (1/97)

**Table 2. Rate of claims per timber harvested by county,  
logging industry, Oregon, 1994-1995.**

County	1994			1995		
	No. of claims	Timber harvest <sup>1/</sup> (1,000's board ft.)	Claims over 100,000,000 board feet	No. of claims	Timber harvest <sup>1/</sup> (1,000's board ft.)	Claims over 100,000,000 board feet
Baker	9	37,081	24.3	6	25,273	23.7
Benton	11	85,312	12.9	17	82,285	20.7
Clackamas	11	119,301	9.2	12	116,556	10.3
Clatsop	17	211,578	8.0	28	243,399	11.5
Columbia	9	209,111	4.3	19	228,960	8.3
Coos	49	242,088	20.2	41	327,109	12.5
Crook	9	45,159	19.9	5	59,618	8.4
Curry	16	69,713	23.0	15	72,685	20.6
Deschutes	8	70,949	11.3	5	90,922	5.5
Douglas	63	429,172	14.7	74	455,758	16.2
Gilliam	0	50	0.0	0	0	
Grant	17	176,746	9.6	12	150,842	8.0
Harney	6	21,797	27.5	0	25,820	0.0
Hood River	0	13,756	0.0	1	26,876	3.7
Jackson	19	113,399	16.8	22	162,466	13.5
Jefferson	2	43,018	4.6	3	37,991	7.9
Josephine	11	52,444	21.0	5	55,143	9.1
Klamath	32	332,881	9.6	22	197,094	11.2
Lake	6	74,043	8.1	5	88,360	5.7
Lane	77	589,611	13.1	65	561,685	11.6
Lincoln	37	132,572	27.9	25	179,219	13.9
Linn	21	230,310	9.1	14	228,341	6.1
Malheur	0	2,532	0.0	4	4,712	84.9
Marion	11	79,932	13.8	11	95,843	11.5
Morrow	0	2,369	0.0	1	8,588	11.6
Multnomah	2	12,074	16.6	2	13,747	14.5
Polk	7	115,124	6.1	7	140,209	5.0
Sherman	0	0	-	0	0	
Tillamook	11	136,636	8.1	16	115,399	13.9
Umatilla	4	64,907	6.2	4	54,100	7.4
Union	15	85,472	17.5	8	77,050	10.4
Wallowa	11	55,862	19.7	9	44,416	20.3
Wasco	3	41,031	7.3	4	26,870	14.9
Washington	11	113,591	9.7	17	121,007	14.0
Wheeler	6	37,903	15.8	6	50,932	11.8
Yamhill	9	119,642	7.5	15	138,074	10.9
Total state	520 <sup>2/</sup>	4,167,166	12.5	500 <sup>2/</sup>	4,307,359	11.6

<sup>1/</sup> Compiled by the Oregon Department of Forestry.

<sup>2/</sup> Excludes claims at unknown or out-of-state locations.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (11/96)

**Table 3. Number and percentage of disabling claims by nature of injury or illness, logging industry, Oregon, 1991-1995.**

Nature of injury or illness	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
Dislocation	116	3.1	21	2.4	24	3.1	20	2.6	18	2.7	33	5.2
Fracture	619	16.6	138	15.7	128	16.4	129	16.8	119	17.9	105	16.4
Sprain, strain, tear	1,419	38.1	330	37.6	291	37.4	289	37.7	262	39.5	247	38.7
Amputation	14	0.4	3	0.3	5	0.6	4	0.5	-	-	2	0.3
Cut, laceration	423	11.4	112	12.8	89	11.4	90	11.7	71	10.7	61	9.5
Bruise, contusion	444	11.9	97	11.0	121	15.5	88	11.5	66	10.0	72	11.3
Burn	13	0.3	4	0.5	1	0.1	2	0.3	6	0.9	-	-
Carpal tunnel syndrome	63	1.7	11	1.3	11	1.4	15	2.0	17	2.6	9	1.4
Musculoskeletal disease	53	1.4	10	1.1	7	0.9	14	1.8	8	1.2	14	2.2
All other	561	15.1	152	17.3	102	13.1	115	15.0	96	14.5	96	15.0

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 4. Number and percentage of disabling claims by part of body affected, logging industry, Oregon, 1991-1995.**

Part of body affected	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
Head, face	197	5.3	48	5.5	33	4.2	47	6.1	38	5.7	31	4.9
Eyes	104	2.8	25	2.8	16	2.1	24	3.1	19	2.9	20	3.1
Neck	75	2.0	13	1.5	18	2.3	17	2.2	14	2.1	13	2.0
Back	594	15.9	145	16.5	135	17.3	117	15.3	103	15.5	94	14.7
Trunk except back	494	13.3	119	13.6	101	13.0	88	11.5	91	13.7	95	14.9
Upper extremities	419	11.2	98	11.2	78	10.0	88	11.5	89	13.4	66	10.3
Fingers	149	4.0	42	4.8	30	3.9	38	5.0	21	3.2	18	2.8
Lower extremities	1,284	34.5	280	31.9	282	36.2	274	35.8	224	33.8	224	35.1
Multiple parts	382	10.3	96	10.9	80	10.3	68	8.9	62	9.4	76	11.9
All other	27	0.7	12	1.4	6	0.8	5	0.7	2	0.3	2	0.3

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 5. Number and percentage of disabling claims by type of accident or exposure, logging industry, Oregon, 1991-1995.**

Type of accident or exposure	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
Struck by or against	1,396	37.5	332	37.8	306	39.3	294	38.4	239	36.0	225	35.2
Caught in or between	227	6.1	45	5.1	50	6.4	57	7.4	38	5.7	37	5.8
Falls	829	22.3	194	22.1	164	21.1	170	22.2	170	25.6	131	20.5
Bodily reaction	317	8.5	67	7.6	66	8.5	66	8.6	52	7.8	66	10.3
Overexertion	553	14.8	135	15.4	120	15.4	107	14.0	94	14.2	97	15.2
Repetitive motion	30	0.8	-	-	3	0.4	4	0.5	9	1.4	14	2.2
Temperature extreme	12	0.3	3	0.3	2	0.3	3	0.4	4	0.6	-	-
Transport accident	206	5.5	50	5.7	41	5.3	38	5.0	33	5.0	44	6.9
Assault, violence	2	0.1	-	-	1	0.1	-	-	1	0.2	-	-
All other	153	4.1	52	5.9	26	3.3	27	3.5	23	3.5	25	3.9

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 6. Number and percentage of disabling claims by source of injury or illness, logging industry, Oregon, 1991-1995.**

Source of injury or illness	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
Ceramic items	3	0.1	-	-	-	-	-	-	2	0.3	1	0.2
Clothing, apparel	2	0.1	1	0.1	-	-	-	-	1	0.2	-	-
Conveyors	5	0.1	3	0.3	1	0.1	1	0.1	-	-	-	-
Furniture, furnishings	1	*	-	-	-	-	1	0.1	-	-	-	-
Hand tools, powered	1	*	-	-	1	0.1	-	-	-	-	-	-
Liquids	1	*	-	-	-	-	-	-	1	0.2	-	-
Machines	410	11.0	77	8.8	88	11.3	93	12.1	70	10.6	82	12.8
Metal items	82	2.2	23	2.6	14	1.8	14	1.8	18	2.7	13	2.0
Mineral items, nonmetallic	2	0.1	-	-	-	-	1	0.1	-	-	1	0.2
Paper and pulp items	18	0.5	1	0.1	2	0.3	3	0.4	5	0.8	7	1.1
Petroleum products	30	0.8	8	0.9	6	0.8	6	0.8	6	0.9	4	0.6
Rubber products	556	14.9	128	14.6	118	15.1	112	14.6	114	17.2	84	13.1
Scrap, debris, waste material	1	*	-	-	-	-	1	0.1	-	-	-	-
Vehicles	350	9.4	67	7.6	69	8.9	71	9.3	61	9.2	82	12.8
Wood items	5	0.1	3	0.3	1	0.1	-	-	1	0.2	-	-
Working surfaces	1,137	30.5	263	30.0	231	29.7	250	32.6	205	30.9	188	29.4
Nonclassifiable, unknown	1,121	30.1	304	34.6	248	31.8	213	27.8	179	27.0	177	27.7

- Dashes indicate no claims were received.

\* asterisks indicate the percentage of total cases calculated to less than 0.05.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 7. Number and percentage of disabling claims by claimant age at injury or exposure, logging industry, Oregon, 1991-1995.**

Age at injury	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
19 and under	87	2.3	22	2.5	16	2.1	17	2.2	16	2.4	16	2.5
20 to 24	425	11.4	95	10.8	82	10.5	81	10.6	89	13.4	78	12.2
25 to 29	647	17.4	172	19.6	139	17.8	156	20.4	94	14.2	86	13.5
30 to 34	759	20.4	170	19.4	177	22.7	161	21.0	134	20.2	117	18.3
35 to 39	571	15.3	133	15.1	119	15.3	115	15.0	100	15.1	104	16.3
40 to 44	424	11.4	89	10.1	91	11.7	89	11.6	74	11.2	81	12.7
45 to 49	283	7.6	61	6.9	57	7.3	38	5.0	65	9.8	62	9.7
50 to 54	225	6.0	60	6.8	45	5.8	49	6.4	40	6.0	31	4.9
55 to 59	163	4.4	43	4.9	32	4.1	29	3.8	26	3.9	33	5.2
60 and over	137	3.7	31	3.5	20	2.6	30	3.9	25	3.8	31	4.9
Not available	4	0.1	2	0.2	1	0.1	1	0.1	-	-	-	-

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 8. Number and percentage of disabling claims by sex of claimant, logging industry, Oregon, 1991-1995.**

Sex of claimant	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
Female	22	0.6	2	0.2	4	0.5	3	0.4	6	0.9	7	1.1
Male	3,703	99.4	876	99.8	775	99.5	763	99.6	657	99.1	632	98.9

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 9. Number and percentage of disabling claims by month of occurrence, logging industry, Oregon, 1991-1995.**

Month of occurrence	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
January	311	8.3	87	9.9	72	9.2	52	6.8	58	8.7	42	6.6
February	240	6.4	50	5.7	55	7.1	50	6.5	45	6.8	40	6.3
March	272	7.3	52	5.9	52	6.7	72	9.4	48	7.2	48	7.5
April	249	6.7	47	5.4	50	6.4	48	6.3	51	7.7	53	8.3
May	285	7.7	63	7.2	65	8.3	56	7.3	52	7.8	49	7.7
June	347	9.3	72	8.2	83	10.7	71	9.3	59	8.9	62	9.7
July	388	10.4	115	13.1	79	10.1	81	10.6	61	9.2	52	8.1
August	377	10.1	113	12.9	73	9.4	61	8.0	68	10.3	62	9.7
September	339	9.1	76	8.7	62	8.0	73	9.5	54	8.1	74	11.6
October	327	8.8	66	7.5	66	8.5	69	9.0	56	8.4	70	11.0
November	321	8.6	81	9.2	60	7.7	78	10.2	55	8.3	47	7.4
December	269	7.2	56	6.4	62	8.0	55	7.2	56	8.4	40	6.3

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 10. Number and percentage of disabling claims by length of employment, logging industry, Oregon, 1991-1995.**

Length of employment	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
First month	371	10.0	76	8.7	80	10.3	73	9.5	75	11.3	67	10.5
2nd - 6th months	779	20.9	146	16.6	169	21.7	170	22.2	144	21.7	150	23.5
7th - 12th months	364	9.8	79	9.0	83	10.7	86	11.2	59	8.9	57	8.9
2nd year	402	10.8	104	11.8	82	10.5	87	11.4	72	10.9	57	8.9
3rd year	277	7.4	71	8.1	61	7.8	54	7.0	51	7.7	40	6.3
4th year	228	6.1	46	5.2	51	6.5	45	5.9	42	6.3	44	6.9
5th year	158	4.2	42	4.8	34	4.4	29	3.8	26	3.9	27	4.2
6th - 10th years	363	9.7	83	9.5	83	10.7	64	8.4	67	10.1	66	10.3
11th - 15th years	151	4.1	41	4.7	27	3.5	27	3.5	24	3.6	32	5.0
16th - 20th years	104	2.8	43	4.9	14	1.8	13	1.7	14	2.1	20	3.1
21st - 30th years	64	1.7	30	3.4	12	1.5	7	0.9	8	1.2	7	1.1
31st year or more	52	1.4	17	1.9	8	1.0	15	2.0	10	1.5	2	0.3
Not available	412	11.1	100	11.4	75	9.6	96	12.5	71	10.7	70	11.0

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 11. Number and percentage of disabling claims by county of injury, logging industry, Oregon, 1991-1995.**

County of injury	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
Baker	28	0.8	6	0.7	4	0.5	3	0.4	9	1.4	6	0.9
Benton	62	1.7	11	1.3	14	1.8	9	1.2	11	1.7	17	2.7
Clackamas	84	2.3	23	2.6	16	2.1	22	2.9	11	1.7	12	1.9
Clatsop	97	2.6	14	1.6	20	2.6	18	2.3	17	2.6	28	4.4
Columbia	77	2.1	18	2.1	17	2.2	14	1.8	9	1.4	19	3.0
Coos	254	6.8	68	7.7	43	5.5	53	6.9	49	7.4	41	6.4
Crook	59	1.6	17	1.9	14	1.8	14	1.8	9	1.4	5	0.8
Curry	78	2.1	14	1.6	18	2.3	15	2.0	16	2.4	15	2.3
Deschutes	44	1.2	9	1.0	13	1.7	9	1.2	8	1.2	5	0.8
Douglas	417	11.2	96	10.9	85	10.9	99	12.9	63	9.5	74	11.6
Grant	93	2.5	26	3.0	19	2.4	19	2.5	17	2.6	12	1.9
Harney	22	0.6	3	0.3	9	1.2	4	0.5	6	0.9	-	-
Hood River	15	0.4	5	0.6	5	0.6	4	0.5	-	-	1	0.2
Jackson	116	3.1	37	4.2	18	2.3	20	2.6	19	2.9	22	3.4
Jefferson	18	0.5	3	0.3	3	0.4	7	0.9	2	0.3	3	0.5
Josephine	59	1.6	16	1.8	18	2.3	9	1.2	11	1.7	5	0.8
Klamath	155	4.2	38	4.3	42	5.4	21	2.7	32	4.8	22	3.4
Lake	30	0.8	8	0.9	5	0.6	6	0.8	6	0.9	5	0.8
Lane	451	12.1	116	13.2	99	12.7	94	12.3	77	11.6	65	10.2
Lincoln	159	4.3	38	4.3	29	3.7	30	3.9	37	5.6	25	3.9
Linn	110	3.0	28	3.2	26	3.3	21	2.7	21	3.2	14	2.2
Malheur	5	0.1	-	-	-	-	1	0.1	-	-	4	0.6
Marion	53	1.4	9	1.0	7	0.9	15	2.0	11	1.7	11	1.7
Morrow	11	0.3	5	0.6	2	0.3	3	0.4	-	-	1	0.2
Multnomah	12	0.3	4	0.5	2	0.3	2	0.3	2	0.3	2	0.3
Polk	58	1.6	16	1.8	12	1.5	16	2.1	7	1.1	7	1.1
Tillamook	73	2.0	18	2.1	16	2.1	12	1.6	11	1.7	16	2.5
Umatilla	52	1.4	11	1.3	14	1.8	19	2.5	4	0.6	4	0.6
Union	98	2.6	28	3.2	22	2.8	25	3.3	15	2.3	8	1.3
Wallowa	57	1.5	14	1.6	12	1.5	11	1.4	11	1.7	9	1.4
Wasco	27	0.7	8	0.9	6	0.8	6	0.8	3	0.5	4	0.6
Washington	49	1.3	8	0.9	5	0.6	8	1.0	11	1.7	17	2.7
Wheeler	21	0.6	-	-	4	0.5	5	0.7	6	0.9	6	0.9
Yamhill	60	1.6	6	0.7	15	1.9	15	2.0	9	1.4	15	2.3
Out of state	221	5.9	33	3.8	39	5.0	46	6.0	52	7.8	51	8.0
Unknown	500	13.4	124	14.1	106	13.6	91	11.9	91	13.7	88	13.8

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 12. Number and percentage of disabling claims by occupation of claimant,  
logging industry, Oregon, 1991-1995.**

Occupation of claimant	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	3,725	100.0	878	100.0	779	100.0	766	100.0	663	100.0	639	100.0
Supervisor, logging workers	57	1.5	16	1.8	14	1.8	12	1.6	6	0.9	9	1.4
Bucker, cutter, faller	997	26.8	243	27.7	216	27.7	187	24.4	188	28.4	163	25.5
Bumper, chaser	601	16.1	127	14.5	137	17.6	146	19.1	102	15.4	89	13.9
Choker, choker setter	575	15.4	135	15.4	110	14.1	117	15.3	92	13.9	121	18.9
Heavy equipment operator	76	2.0	16	1.8	19	2.4	19	2.5	13	2.0	9	1.4
Hooker, hook tender	217	5.8	41	4.7	38	4.9	48	6.3	44	6.6	46	7.2
Loader, log stacker	79	2.1	19	2.2	15	1.9	17	2.2	8	1.2	20	3.1
Log grader, scaler, inspector	10	0.3	3	0.3	1	0.1	3	0.4	1	0.2	2	0.3
Logging truck driver	265	7.1	76	8.7	51	6.5	43	5.6	51	7.7	44	6.9
Mechanic	67	1.8	16	1.8	15	1.9	14	1.8	14	2.1	8	1.3
Rigger, rigging slinger	200	5.4	54	6.2	43	5.5	44	5.7	34	5.1	25	3.9
Skidder, yarder, crane oper	203	5.4	40	4.6	45	5.8	47	6.1	34	5.1	37	5.8
Logger, unspecified	290	7.8	76	8.7	61	7.8	52	6.8	65	9.8	36	5.6
All other logging occup	88	2.4	16	1.8	14	1.8	17	2.2	11	1.7	30	4.7

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 13. Number of accepted disabling claims by nature of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995.**

Total 1991-1995

Nature of injury or illness	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	3,725	57	997	601	575	76	217	79	265	67	200	203	388
Dislocation	116	1	30	13	14	5	10	5	13	1	7	6	11
Fracture	619	11	193	106	92	11	35	10	29	8	33	33	58
Sprain, strain, tear	1,419	22	340	209	224	22	97	31	123	33	84	88	146
Amputation	14	-	1	1	3	-	1	-	1	-	2	2	3
Cut, laceration	423	3	161	92	45	12	9	11	20	7	13	14	36
Bruise, contusion	444	2	120	65	100	8	30	8	20	4	23	14	50
Burn	13	-	-	4	1	1	1	-	-	2	-	-	4
Carpal tunnel syndrome	63	-	8	17	7	4	4	3	1	4	1	7	7
Musculoskeletal disease	53	1	19	9	5	-	-	2	2	1	2	1	11
All other	561	17	125	85	84	13	30	9	56	7	35	38	62

See footnotes at end of table.

**Table 13. Number of accepted disabling claims by nature of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1991

Nature of injury or illness	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	878	16	243	127	135	16	41	19	76	16	54	40	95
Dislocation	21	-	8	2	3	-	2	-	2	-	-	-	4
Fracture	138	-	41	26	26	2	9	1	8	1	7	6	11
Sprain, strain, tear	330	7	74	41	49	5	19	7	38	9	23	20	38
Amputation	3	-	1	1	-	-	-	-	-	-	-	-	1
Cut, laceration	112	2	49	18	12	2	1	4	5	1	5	4	9
Bruise, contusion	97	1	27	14	20	3	6	3	6	-	4	1	12
Burn	4	-	-	-	1	-	-	-	-	1	-	-	2
Carpal tunnel syndrome	11	-	3	4	1	-	-	1	-	2	-	-	-
Musculoskeletal disease	10	-	4	2	-	-	-	1	1	-	-	-	2
All other	152	6	36	19	23	4	4	2	16	2	15	9	16

See footnotes at end of table.

**Table 13. Number of accepted disabling claims by nature of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1992

Nature of injury or illness	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	779	14	216	137	110	19	38	15	51	15	43	45	76
Dislocation	24	-	5	4	3	2	2	-	3	-	3	1	1
Fracture	128	4	38	23	18	3	4	4	7	2	7	7	11
Sprain, strain, tear	291	5	75	46	39	4	17	5	21	8	17	22	32
Amputation	5	-	-	-	-	-	1	-	-	-	-	2	2
Cut, laceration	89	1	37	19	8	3	2	2	4	2	2	2	7
Bruise, contusion	121	1	34	21	27	1	8	1	6	1	6	3	12
Burn	1	-	-	-	-	1	-	-	-	-	-	-	-
Carpal tunnel syndrome	11	-	2	2	2	1	-	1	-	1	-	1	1
Musculoskeletal disease	7	-	3	2	1	-	-	-	-	-	1	-	-
All other	102	3	22	20	12	4	4	2	10	1	7	7	10

See footnotes at end of table.

**Table 13. Number of accepted disabling claims by nature of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1993

Nature of injury or illness	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	766	12	187	146	117	19	48	17	43	14	44	47	72
Dislocation	20	1	5	4	1	1	2	1	1	-	1	1	2
Fracture	129	4	33	24	16	1	9	3	8	4	6	8	13
Sprain, strain, tear	289	4	70	54	46	5	22	6	17	4	18	20	23
Amputation	4	-	-	-	1	-	-	-	1	-	2	-	-
Cut, laceration	90	-	29	26	8	3	2	1	3	3	4	4	7
Bruise, contusion	88	-	21	17	23	4	2	2	2	1	6	5	5
Burn	2	-	-	-	-	-	1	-	-	-	-	-	1
Carpal tunnel syndrome	15	-	-	5	2	2	1	-	-	-	1	1	3
Musculoskeletal disease	14	1	4	3	1	-	-	1	1	-	1	-	2
All other	115	2	25	13	19	3	9	3	10	2	5	8	16

See footnotes at end of table.

**Table 13. Number of accepted disabling claims by nature of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1994

Nature of injury or illness	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	663	6	188	102	92	13	44	8	51	14	34	34	77
Dislocation	18	-	3	3	1	1	1	-	4	-	2	1	2
Fracture	119	1	45	16	16	1	8	1	4	-	9	6	12
Sprain, strain, tear	262	2	65	37	39	6	20	4	29	7	13	14	26
Cut, laceration	71	-	29	18	5	2	2	1	2	1	2	3	6
Bruise, contusion	66	-	19	6	11	-	6	-	2	1	4	1	16
Burn	6	-	-	4	-	-	-	-	-	1	-	-	1
Carpal tunnel syndrome	17	-	2	3	2	1	1	1	1	1	-	3	2
Musculoskeletal disease	8	-	3	-	2	-	-	-	-	1	-	-	2
All other	96	3	22	15	16	2	6	1	9	2	4	6	10

See footnotes at end of table.

**Table 13. Number of accepted disabling claims by nature of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1995

Nature of injury or illness	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	639	9	163	89	121	9	46	20	44	8	25	37	68
Dislocation	33	-	9	-	6	1	3	4	3	1	1	3	2
Fracture	105	2	36	17	16	4	5	1	2	1	4	6	11
Sprain, strain, tear	247	4	56	31	51	2	19	9	18	5	13	12	27
Amputation	2	-	-	-	2	-	-	-	-	-	-	-	-
Cut, laceration	61	-	17	11	12	2	2	3	6	-	-	1	7
Bruise, contusion	72	-	19	7	19	-	8	2	4	1	3	4	5
Carpal tunnel syndrome	9	-	1	3	-	-	2	-	-	-	-	2	1
Musculoskeletal disease	14	-	5	2	1	-	-	-	-	-	-	1	5
All other	96	3	20	18	14	-	7	1	11	-	4	8	10

- Dashes indicate no claims were received.

Note: nec = not elsewhere classified

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 14. Number of accepted disabling claims by body part affected and occupation of claimant, logging industry, Oregon, 1991-1995.**

Total 1991-1995

Body part affected	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	3,725	57	997	601	575	76	217	79	265	67	200	203	388
Head, face	197	5	56	23	28	7	13	1	22	3	6	13	20
Eyes	104	3	33	17	13	4	4	2	2	2	6	4	14
Neck	75	1	23	8	6	1	5	-	12	5	3	5	6
Back	594	7	132	82	82	15	47	22	53	13	25	48	68
Trunk except back	494	10	126	63	84	11	27	3	48	7	34	24	57
Upper extremities	419	5	113	71	57	11	25	18	24	13	21	22	39
Fingers	149	2	34	34	23	2	4	3	10	7	6	7	17
Lower extremities	1,284	15	387	253	220	16	69	19	49	14	67	48	127
Multiple parts	382	9	88	46	57	9	21	10	41	3	29	30	39
All other	27	-	5	4	5	-	2	1	4	-	3	2	1

See footnotes at end of table.

**Table 14. Number of accepted disabling claims by body part affected and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1991

Body part affected	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	878	16	243	127	135	16	41	19	76	16	54	40	95
Head, face	48	1	16	5	5	3	1	1	6	2	2	3	3
Eyes	25	-	8	2	4	1	-	1	-	1	2	2	4
Neck	13	1	3	1	1	-	1	-	3	-	2	-	1
Back	145	1	37	19	19	2	9	4	16	5	4	10	19
Trunk except back	119	4	32	10	23	5	5	1	11	2	9	3	14
Upper extremities	98	2	28	13	15	-	7	6	5	4	4	5	9
Fingers	42	-	14	10	6	1	3	1	4	-	1	-	2
Lower extremities	280	4	80	55	48	3	11	3	15	2	19	10	30
Multiple parts	96	3	22	10	11	1	4	2	14	-	10	6	13
All other	12	-	3	2	3	-	-	-	2	-	1	1	-

See footnotes at end of table.

**Table 14. Number of accepted disabling claims by body part affected and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1992

Body part affected	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	779	14	216	137	110	19	38	15	51	15	43	45	76
Head, face	33	2	8	3	2	1	2	-	4	-	1	4	6
Eyes	16	1	6	3	2	2	-	1	-	-	-	1	-
Neck	18	-	4	2	1	-	2	-	4	2	-	1	2
Back	135	1	25	25	17	4	10	5	10	4	7	10	17
Trunk except back	101	2	23	14	15	1	6	1	11	1	9	11	7
Upper extremities	78	2	30	13	6	3	3	3	3	4	6	3	2
Fingers	30	-	8	5	6	1	1	-	2	2	-	3	2
Lower extremities	282	4	92	60	46	4	9	3	9	2	12	9	32
Multiple parts	80	2	19	11	14	3	4	2	7	-	7	3	8
All other	6	-	1	1	1	-	1	-	1	-	1	-	-

See footnotes at end of table.

**Table 14. Number of accepted disabling claims by body part affected and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1993

Body part affected	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	766	12	187	146	117	19	48	17	43	14	44	47	72
Head, face	47	1	13	6	4	2	4	-	6	1	1	3	6
Eyes	24	-	3	3	5	1	2	-	2	-	2	-	6
Neck	17	-	6	2	4	-	1	-	1	1	-	1	1
Back	117	2	30	14	16	3	13	4	4	1	7	12	11
Trunk except back	88	2	23	19	14	2	4	-	8	1	3	2	10
Upper extremities	88	1	19	20	12	3	7	3	4	2	5	4	8
Fingers	38	1	2	7	6	-	-	2	3	4	4	3	6
Lower extremities	274	2	72	65	46	6	12	5	12	4	16	14	20
Multiple parts	68	3	19	9	9	2	4	3	3	-	5	7	4
All other	5	-	-	1	1	-	1	-	-	-	1	1	-

See footnotes at end of table.

**Table 14. Number of accepted disabling claims by body part affected and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1994

Body part affected	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	663	6	188	102	92	13	44	8	51	14	34	34	77
Head, face	38	1	9	8	6	-	5	-	1	-	2	2	4
Eyes	19	-	9	4	-	-	1	-	-	-	1	1	3
Neck	14	-	5	1	-	1	1	-	3	1	-	1	1
Back	103	2	20	13	13	4	6	2	16	2	4	8	13
Trunk except back	91	2	26	8	12	2	7	-	11	1	7	2	13
Upper extremities	89	-	21	16	15	4	3	2	6	2	5	5	10
Fingers	21	1	7	8	1	-	-	-	1	-	-	1	2
Lower extremities	224	-	77	36	31	2	20	3	4	5	11	8	27
Multiple parts	62	-	13	8	14	-	1	1	9	3	4	6	3
All other	2	-	1	-	-	-	-	-	-	-	-	-	1

See footnotes at end of table.

**Table 14. Number of accepted disabling claims by body part affected and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1995

Body part affected	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	639	9	163	89	121	9	46	20	44	8	25	37	68
Head, face	31	-	10	1	11	1	1	-	5	-	-	1	1
Eyes	20	2	7	5	2	-	1	-	-	1	1	-	1
Neck	13	-	5	2	-	-	-	-	1	1	1	2	1
Back	94	1	20	11	17	2	9	7	7	1	3	8	8
Trunk except back	95	-	22	12	20	1	5	1	7	2	6	6	13
Upper extremities	66	-	15	9	9	1	5	4	6	1	1	5	10
Fingers	18	-	3	4	4	-	-	-	-	1	1	-	5
Lower extremities	224	5	66	37	49	1	17	5	9	1	9	7	18
Multiple parts	76	1	15	8	9	3	8	2	8	-	3	8	11
All other	2	-	-	-	-	-	-	1	1	-	-	-	-

- Dashes indicate no claims were received.

Note: nec = not elsewhere classified

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 15. Number of accepted disabling claims by type of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995.**

Total 1991-1995

Type of accident or exposure	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane operator	Log- ging worker nec
Tota	3,725	57	997	601	575	76	217	79	265	67	200	203	388
Struck by or against	1,396	20	505	264	224	14	69	17	38	13	80	41	111
Caught in or between	227	2	51	54	35	2	10	6	6	8	15	9	29
Falls	829	10	202	113	156	18	62	21	61	7	44	42	93
Bodily reaction	317	4	81	57	46	4	21	8	19	11	19	18	29
Overexertion	553	10	111	72	90	10	41	15	65	19	29	29	62
Repetitive motion	30	1	5	7	1	2	1	1	2	2		4	4
Temperature extreme	12		1	2	2	1	1			2		1	2
Transport accident	206	4	9	10	8	19	5	8	61	1	2	54	25
Assault violence	2			1									1
All other	153	6	32	21	13	6	7	3	13	4	11	5	32

See footnotes at end of table.

**Table 15. Number of accepted disabling claims by type of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1991

Type of accident or exposure	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane operator	Log- ging worker nec
Total	878	16	243	127	135	16	41	19	76	16	54	40	95
Struck by or against	332	5	128	54	54	3	13	5	9	2	24	9	26
Caught in or between	45		10	11	8	1	1	2	4		3	1	4
Falls	194	4	41	20	44	3	16	4	20	1	13	10	18
Bodily reaction	67		15	9	6	1	5	2	9	3	7	3	7
Overexertion	135	4	33	20	17	2	4	4	17	7	4	6	17
Temperature extreme	3				1					1			1
Transport accident	50	2	4	7	1	5		2	13			9	7
All other	52	1	12	6	4	1	2		4	2	3	2	15

See footnotes at end of table.

**Table 15. Number of accepted disabling claims by type of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1992

Type of accident or exposure	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane operator	Log-ging worker nec
Total	779	14	216	137	110	19	38	15	51	15	43	45	76
Struck by or against	306	6	109	63	50	4	12	3	10	3	17	7	22
Caught in or between	50	1	11	11	8	-	4	1	-	2	4	3	5
Falls	164	1	45	27	23	3	6	5	11	2	10	9	22
Bodily reaction	66	2	17	14	6	1	4	1	3	3	3	5	7
Overexertion	120	1	27	19	17	2	8	3	13	3	7	10	10
Repetitive motion	3	-	-	1	-	1	-	-	-	1	-	-	-
Temperature extreme	2	-	-	-	-	1	1	-	-	-	-	-	-
Transport accident	41	1	2	-	3	4	3	2	12	1	-	9	4
Assault violence	1	-	-	-	-	-	-	-	-	-	-	-	1
All other	26	2	5	2	3	3	-	-	2	-	2	2	5

See footnotes at end of table.

**Table 15. Number of accepted disabling claims by type of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1993

Type of accident or exposure	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane operator	Log-ging worker nec
Total	766	12	187	146	117	19	48	17	43	14	44	47	72
Struck by or against	294	4	97	66	45	4	17	2	5	4	16	10	24
Caught in or between	57	-	8	19	9	1	-	3	1	5	4	2	5
Falls	170	2	42	27	29	5	11	3	12	1	10	9	19
Bodily reaction	66	1	14	11	9	2	7	3	3	1	5	6	4
Overexertion	107	3	21	16	19	2	11	2	9	2	6	6	10
Repetitive motion	4	-	-	3	-	-	-	-	-	-	-	-	1
Temperature extreme	3	-	1	-	1	-	-	-	-	-	-	1	-
Transport accident	38	1	1	1	2	3	-	3	11	-	-	12	4
All other	27	1	3	3	3	2	2	1	2	1	3	1	5

See footnotes at end of table.

**Table 15. Number of accepted disabling claims by type of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1994

Type of accident or exposure	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	663	6	188	102	92	13	44	8	51	14	34	34	77
Struck by or against	239	1	101	39	29	1	13	1	7	2	15	8	22
Caught in or between	38	1	11	10	3	-	2	-	-	-	2	1	8
Falls	170	1	39	27	29	5	17	3	10	3	8	9	19
Bodily reaction	52	-	15	10	11	-	3	1	2	3	-	2	5
Overexertion	94	2	16	7	17	4	7	1	17	4	6	3	10
Repetitive motion	9	-	1	-	1	1	-	1	1	1	-	2	1
Temperature extreme	4	-	-	2	-	-	-	-	-	1	-	-	1
Transport accident	33	-	1	-	-	2	-	1	12	-	1	9	7
Assault violence	1	-	-	1	-	-	-	-	-	-	-	-	-
All other	23	1	4	6	2	-	2	-	2	-	2	-	4

See footnotes at end of table.

**Table 15. Number of accepted disabling claims by type of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1995

Type of accident or exposure	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	639	9	163	89	121	9	46	20	44	8	25	37	68
Struck by or against	225	4	70	42	46	2	14	6	7	2	8	7	17
Caught in or between	37	-	11	3	7	-	3	-	1	1	2	2	7
Falls	131	2	35	12	31	2	12	6	8	-	3	5	15
Bodily reaction	66	1	20	13	14	-	2	1	2	1	4	2	6
Overexertion	97	-	14	10	20	-	11	5	9	3	6	4	15
Repetitive motion	14	1	4	3	-	-	1	-	1	-	-	2	2
Transport accident	44	-	1	2	2	5	2	-	13	-	1	15	3
All other	25	1	8	4	1	-	1	2	3	1	1	-	3

- Dashes indicate no claims were received.

Note: nec = not elsewhere classified

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 16. Number of accepted disabling claims by source of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995.**

Total 1991-1995

Source of injury or illness	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	3,725	57	997	601	575	76	217	79	265	67	200	203	388
Ceramic items	3	1	-	-	-	-	-	-	-	1	-	1	-
Clothing, apparel	2	-	-	-	-	-	-	-	1	-	-	-	1
Conveyors	5	-	-	-	1	-	-	-	2	-	-	1	1
Furniture, furnishings	1	-	-	1	-	-	-	-	-	-	-	-	-
Hand tools, powered	1	-	-	-	-	-	-	-	1	-	-	-	-
Liquids	1	-	-	-	-	-	-	-	-	-	-	-	1
Machines	410	5	9	67	139	13	45	14	3	5	47	19	44
Metal items	82	1	18	5	10	-	6	1	4	1	5	4	27
Mineral items, nonmetallic	2	-	-	1	-	-	1	-	-	-	-	-	-
Paper and pulp items	18	-	3	4	3	-	-	-	-	4	-	2	2
Petroleum products	30	2	3	3	2	2	1	2	4	3	2	4	2
Rubber products	556	8	126	78	95	15	36	18	50	7	25	33	65
Scrap, debris, waste material	1	-	-	-	-	-	-	-	-	-	-	-	1
Vehicles	350	5	86	64	48	6	23	9	21	13	19	22	34
Wood items	5	-	-	1	2	-	-	-	1	-	-	-	1
Working surfaces	1,137	16	456	188	195	8	72	2	18	1	75	22	84
Nonclassifiable, unknown	1,121	19	296	189	80	32	33	33	160	32	27	95	125

See footnotes at end of table.

**Table 16. Number of accepted disabling claims by source of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1991

Source of injury or illness	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	878	16	243	127	135	16	41	19	76	16	54	40	95
Clothing, apparel	1	-	-	-	-	-	-	-	-	-	-	-	1
Conveyors	3	-	-	-	-	-	-	-	2	-	-	1	-
Machines	77	2	2	11	30	4	5	2	1	-	9	3	8
Metal items	23	1	5	1	6	-	-	-	-	-	2	1	7
Paper and pulp items	1	-	-	-	-	-	-	-	-	-	-	1	-
Petroleum products	8	1	1	1	-	-	-	1	1	3	-	-	-
Rubber products	128	2	25	12	28	3	10	4	15	1	7	9	12
Vehicles	67	-	15	9	6	1	5	2	9	3	7	3	7
Wood items	3	-	-	-	2	-	-	-	1	-	-	-	-
Working surfaces	263	4	100	42	43	1	17	-	9	-	24	4	19
Nonclassifiable, unknown	304	6	95	51	20	7	4	10	38	9	5	18	41

See footnotes at end of table.

**Table 16. Number of accepted disabling claims by source of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1992

Source of injury or illness	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	779	14	216	137	110	19	38	15	51	15	43	45	76
Conveyors	1	-	-	-	-	-	-	-	-	-	-	-	1
Hand tools, powered	1	-	-	-	-	-	-	-	1	-	-	-	-
Machines	88	2	2	15	28	2	10	1	-	2	12	5	9
Metal items	14	-	4	-	1	-	-	-	1	-	1	-	7
Paper and pulp items	2	-	1	-	-	-	-	-	-	-	-	-	1
Petroleum products	6	-	-	-	1	1	-	-	-	-	1	3	-
Rubber products	118	1	32	17	14	3	5	5	10	2	5	6	18
Vehicles	69	2	17	15	6	2	4	1	3	4	3	5	7
Wood items	1	-	-	-	-	-	-	-	-	-	-	-	1
Working surfaces	231	5	92	47	38	2	9	-	3	-	13	8	14
Nonclassifiable, unknown	248	4	68	43	22	9	10	8	33	7	8	18	18

See footnotes at end of table.

**Table 16. Number of accepted disabling claims by source of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1993

Source of injury or illness	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	766	12	187	146	117	19	48	17	43	14	44	47	72
Conveyors	1	-	-	-	1	-	-	-	-	-	-	-	-
Furniture, furnishings	1	-	-	1	-	-	-	-	-	-	-	-	-
Machines	93	-	1	23	30	1	13	8	-	2	8	2	5
Metal items	14	-	3	3	1	-	-	-	1	1	-	1	4
Mineral items, nonmetallic	1	-	-	1	-	-	-	-	-	-	-	-	-
Paper and pulp items	3	-	1	-	-	-	-	-	-	1	-	-	1
Petroleum products	6	-	1	2	-	-	-	-	1	-	1	1	-
Rubber products	112	2	26	18	17	3	8	2	11	1	5	7	12
Scrap, debris, waste material	1	-	-	-	-	-	-	-	-	-	-	-	1
Vehicles	71	1	14	14	9	2	8	3	3	1	5	6	5
Working surfaces	250	4	94	44	44	5	13	-	1	1	19	3	22
Nonclassifiable, unknown	213	5	47	40	15	8	6	4	26	7	6	27	22

See footnotes at end of table.

**Table 16. Number of accepted disabling claims by source of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1994

Source of injury or illness	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	663	6	188	102	92	13	44	8	51	14	34	34	77
Ceramic items	2	-	-	-	-	-	-	-	-	1	-	1	-
Clothing, apparel	1	-	-	-	-	-	-	-	1	-	-	-	-
Liquids	1	-	-	-	-	-	-	-	-	-	-	-	1
Machines	70	1	3	6	21	3	8	1	-	1	11	2	13
Metal items	18	-	4	1	2	-	2	-	1	-	2	2	4
Paper and pulp items	5	-	1	3	-	-	-	-	-	1	-	-	-
Petroleum products	6	1	1	-	1	1	1	-	1	-	-	-	-
Rubber products	114	1	22	23	17	5	9	3	7	3	5	7	12
Vehicles	61	-	16	10	12	1	3	2	3	4	-	4	6
Wood items	1	-	-	1	-	-	-	-	-	-	-	-	-
Working surfaces	205	-	96	28	28	-	17	-	3	-	11	2	20
Nonclassifiable, unknown	179	3	45	30	11	3	4	2	35	4	5	16	21

See footnotes at end of table.

**Table 16. Number of accepted disabling claims by source of injury or illness and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1995

Source of injury or illness	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	639	9	163	89	121	9	46	20	44	8	25	37	68
Ceramic items	1	1	-	-	-	-	-	-	-	-	-	-	-
Machines	82	-	1	12	30	3	9	2	2	-	7	7	9
Metal items	13	-	2	-	-	-	4	1	1	-	-	-	5
Mineral items, nonmetallic	1	-	-	-	-	-	1	-	-	-	-	-	-
Paper and pulp items	7	-	-	1	3	-	-	-	-	2	-	1	-
Petroleum products	4	-	-	-	-	-	-	1	1	-	-	-	2
Rubber products	84	2	21	8	19	1	4	4	7	-	3	4	11
Vehicles	82	2	24	16	15	-	3	1	3	1	4	4	9
Working surfaces	188	3	74	27	42	-	16	2	2	-	8	5	9
Nonclassifiable, unknown	177	1	41	25	12	5	9	9	28	5	3	16	23

- Dashes indicate no claims were received.

Note: nec = not elsewhere classified

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 17. Number of accepted disabling claims by age and occupation of claimant, logging industry, Oregon, 1991-1995.**

Total 1991-1995

Age at injury	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	3,725	57	997	601	575	76	217	79	265	67	200	203	388
19 and under	87	1	8	20	41	1	1	-	-	-	1	-	14
20 to 24	425	1	39	104	146	9	30	3	2	3	26	19	43
25 to 29	647	4	114	130	155	5	53	11	9	6	62	31	67
30 to 34	759	4	172	148	141	9	57	12	29	13	70	38	66
35 to 39	571	10	187	85	53	12	41	19	29	10	31	33	61
40 to 44	424	4	175	50	24	8	17	9	45	8	7	36	41
45 to 49	283	10	106	25	6	8	12	7	50	9	1	16	33
50 to 54	225	10	86	19	2	7	1	6	55	4	2	8	25
55 to 59	163	10	69	7	2	7	3	5	28	10	-	10	12
60 and over	137	3	40	13	4	10	2	7	18	4	-	12	24
Not available	4	-	1	-	1	-	-	-	-	-	-	-	2

See footnotes at end of table.

**Table 17. Number of accepted disabling claims by age and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1991

Age at injury	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	878	16	243	127	135	16	41	19	76	16	54	40	95
19 and under	22	1	4	5	10	-	-	-	-	-	-	-	2
20 to 24	95	-	7	27	28	1	4	1	1	-	11	3	12
25 to 29	172	1	34	28	44	-	12	2	4	3	21	8	15
30 to 34	170	1	43	27	29	-	9	4	9	5	15	7	21
35 to 39	133	1	45	18	15	5	7	5	6	1	6	6	18
40 to 44	89	3	35	9	4	1	6	1	13	-	-	7	10
45 to 49	61	2	26	6	2	1	2	2	9	4	-	3	4
50 to 54	60	2	20	5	-	3	-	-	20	2	1	2	5
55 to 59	43	4	17	-	-	4	1	2	7	1	-	3	4
60 and over	31	1	12	2	2	1	-	2	7	-	-	1	3
Not available	2	-	-	-	1	-	-	-	-	-	-	-	1

See footnotes at end of table.

**Table 17. Number of accepted disabling claims by age and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1992

Age at injury	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane operator	Log-ging worker nec
Total	779	14	216	137	110	19	38	15	51	15	43	45	76
19 and under	16	-	-	2	8	1	-	-	-	-	-	-	5
20 to 24	82	1	7	19	29	2	5	-	1	1	4	5	8
25 to 29	139	2	27	30	32	1	10	-	1	2	12	10	12
30 to 34	177	1	41	42	25	3	11	4	5	3	17	9	16
35 to 39	119	2	44	20	12	3	7	4	6	1	6	6	8
40 to 44	91	-	34	11	3	2	4	2	13	3	4	9	6
45 to 49	57	2	21	6	-	1	1	3	11	1	-	1	10
50 to 54	45	4	19	6	-	2	-	-	7	1	-	1	5
55 to 59	32	2	15	-	1	1	-	1	6	3	-	2	1
60 and over	20	-	7	1	-	3	-	1	1	-	-	2	5
Not available	1	-	1	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 17. Number of accepted disabling claims by age and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1993

Age at injury	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane operator	Log-ging worker nec
Total	766	12	187	146	117	19	48	17	43	14	44	47	72
19 and under	17	-	1	6	6	-	-	-	-	-	-	-	4
20 to 24	81	-	8	23	25	-	6	-	-	-	7	7	5
25 to 29	156	1	23	37	36	4	12	3	2	1	14	7	16
30 to 34	161	-	28	33	36	3	16	2	4	2	15	11	11
35 to 39	115	3	38	22	4	3	9	3	6	5	7	4	11
40 to 44	89	1	39	11	5	3	3	4	8	1	1	8	5
45 to 49	38	1	15	4	2	-	-	-	8	2	-	3	3
50 to 54	49	3	18	2	2	2	-	3	9	-	-	2	8
55 to 59	29	2	12	2	1	1	1	1	3	3	-	1	2
60 and over	30	1	5	6	-	3	1	1	3	-	-	4	6
Not available	1	-	-	-	-	-	-	-	-	-	-	-	1

See footnotes at end of table.

**Table 17. Number of accepted disabling claims by age and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1994

Age at injury	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	663	6	188	102	92	13	44	8	51	14	34	34	77
19 and under	16	-	1	4	9	-	1	-	-	-	-	-	1
20 to 24	89	-	10	21	29	6	7	1	-	1	1	1	12
25 to 29	94	-	22	19	18	-	10	-	1	-	9	2	13
30 to 34	134	2	37	26	20	-	8	1	5	2	15	8	10
35 to 39	100	1	29	13	12	-	6	4	6	1	8	8	12
40 to 44	74	-	33	7	3	1	4	1	8	3	-	3	11
45 to 49	65	1	24	7	-	4	6	-	10	2	1	4	6
50 to 54	40	1	17	3	-	-	-	1	11	1	-	2	4
55 to 59	26	-	9	-	-	1	1	-	7	2	-	2	4
60 and over	25	1	6	2	1	1	1	-	3	2	-	4	4

See footnotes at end of table.

**Table 17. Number of accepted disabling claims by age and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1995

Age at injury	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	639	9	163	89	121	9	46	20	44	8	25	37	68
19 and under	16	-	2	3	8	-	-	-	-	-	1	-	2
20 to 24	78	-	7	14	35	-	8	1	-	1	3	3	6
25 to 29	86	-	8	16	25	-	9	6	1	-	6	4	11
30 to 34	117	-	23	20	31	3	13	1	6	1	8	3	8
35 to 39	104	3	31	12	10	1	12	3	5	2	4	9	12
40 to 44	81	-	34	12	9	1	-	1	3	1	2	9	9
45 to 49	62	4	20	2	2	2	3	2	12	-	-	5	10
50 to 54	31	-	12	3	-	-	1	2	8	-	1	1	3
55 to 59	33	2	16	5	-	-	-	1	5	1	-	2	1
60 and over	31	-	10	2	1	2	-	3	4	2	-	1	6

- Dashes indicate no claims were received.

Note: nec = not elsewhere classified

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 18. Number of accepted disabling claims by length of employment and occupation of claimant, logging industry, Oregon, 1991-1995.**

Total 1991-1995

Length of employmentt	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera-tor	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	3,725	57	997	601	575	76	217	79	265	67	200	203	388
First month	371	1	97	84	114	7	8	1	9	2	10	12	26
2nd - 6th months	779	2	171	150	207	10	25	19	36	4	40	37	78
7th - 12th months	364	2	86	79	76	2	25	6	23	6	23	17	19
2nd year	402	-	110	71	41	9	44	6	35	8	34	19	25
3rd year	277	5	81	36	30	3	23	6	28	6	12	17	30
4th year	228	3	61	32	25	6	20	6	19	5	20	11	20
5th year	158	2	52	30	11	1	11	4	8	6	11	10	12
6th - 10th years	363	13	125	45	18	8	25	6	35	7	22	21	38
11th - 15th years	151	6	41	8	7	6	12	7	20	6	8	13	17
16th - 20th years	104	3	37	7	2	5	6	4	11	3	1	8	17
21st - 30th years	64	1	21	4	1	1	3	3	10	3	1	7	9
31st year or more	52	8	7	3	-	8	1	5	8	5	-	3	4
Not available	412	11	108	52	43	10	14	6	23	6	18	28	93

See footnotes at end of table.

**Table 18. Number of accepted disabling claims by length of employment and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1991

Length of employmentt	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera-tor	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	878	16	243	127	135	16	41	19	76	16	54	40	95
First month	76	-	26	16	23	-	-	-	1	1	5	2	2
2nd - 6th months	146	-	30	26	43	1	3	5	6	1	10	3	18
7th - 12th months	79	1	17	16	18	-	2	2	7	1	7	3	5
2nd year	104	-	26	24	13	-	11	1	6	2	11	4	6
3rd year	71	2	21	6	11	1	5	3	8	1	4	3	6
4th year	46	1	14	6	5	-	3	1	6	1	3	5	1
5th year	42	-	14	10	3	1	3	-	2	1	3	1	4
6th - 10th years	83	4	27	7	4	1	6	-	11	2	6	4	11
11th - 15th years	41	1	12	3	1	1	4	2	8	-	1	5	3
16th - 20th years	43	1	19	4	-	4	1	-	6	1	-	-	7
21st - 30th years	30	-	9	1	1	1	2	2	4	2	1	3	4
31st year or more	17	3	3	1	-	5	-	1	3	1	-	-	-
Not available	100	3	25	7	13	1	1	2	8	2	3	7	28

See footnotes at end of table.

**Table 18. Number of accepted disabling claims by length of employment and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1992

Length of employment	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	779	14	216	137	110	19	38	15	51	15	43	45	76
First month	80	-	19	20	21	3	4	1	1	1	2	3	5
2nd - 6th months	169	2	39	40	39	1	6	4	8	-	1	13	16
7th - 12th months	83	-	26	17	19	2	2	1	2	3	3	5	3
2nd year	82	-	21	14	8	2	6	1	7	2	10	2	9
3rd year	61	1	15	9	8	2	4	1	3	2	2	5	9
4th year	51	1	13	6	4	3	5	1	6	1	5	2	4
5th year	34	1	12	4	2	-	3	-	1	2	3	2	4
6th - 10th years	83	2	33	10	2	1	4	-	9	-	11	5	6
11th - 15th years	27	1	11	2	1	1	3	2	3	1	1	1	-
16th - 20th years	14	-	3	-	-	1	1	2	3	1	-	3	-
21st - 30th years	12	1	4	2	-	-	-	1	2	1	-	-	1
31st year or more	8	2	1	-	-	-	-	-	1	1	-	1	2
Not available	75	3	19	13	6	3	-	1	5	-	5	3	17

See footnotes at end of table.

**Table 18. Number of accepted disabling claims by length of employment and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1993

Length of employment	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	766	12	187	146	117	19	48	17	43	14	44	47	72
First month	73	-	15	20	20	1	-	-	3	-	2	3	9
2nd - 6th months	170	-	40	40	47	3	6	2	4	2	8	6	12
7th - 12th months	86	1	14	22	15	-	8	1	8	1	7	4	5
2nd year	87	-	23	15	7	3	10	4	7	1	6	6	5
3rd year	54	-	15	5	7	-	3	1	5	3	4	4	7
4th year	45	1	9	5	5	2	6	1	2	1	6	1	6
5th year	29	-	10	5	1	-	3	2	1	2	1	3	1
6th - 10th years	64	2	26	8	4	4	5	2	5	-	2	3	3
11th - 15th years	27	3	8	3	2	1	1	1	-	1	1	2	4
16th - 20th years	13	-	3	3	1	-	-	-	1	-	-	2	3
21st - 30th years	7	-	3	-	-	-	-	-	1	-	-	2	1
31st year or more	15	2	2	2	-	2	-	2	2	2	-	1	-
Not available	96	3	19	18	8	3	6	1	4	1	7	10	16

See footnotes at end of table.

**Table 18. Number of accepted disabling claims by length of employment and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1994

Length of employment	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	663	6	188	102	92	13	44	8	51	14	34	34	77
First month	75	-	24	15	20	3	1	-	2	-	1	2	7
2nd - 6th months	144	-	35	18	31	2	7	3	11	1	11	8	17
7th - 12th months	59	-	15	17	8	-	6	1	4	-	4	2	2
2nd year	72	-	25	12	6	1	7	-	9	2	4	4	2
3rd year	51	1	17	9	3	-	6	-	8	-	-	-	7
4th year	42	-	13	8	7	1	1	1	1	1	5	-	4
5th year	26	1	6	7	2	-	1	-	2	1	3	2	1
6th - 10th years	67	-	23	8	4	2	6	1	4	3	-	7	9
11th - 15th years	24	-	2	-	2	1	3	-	4	3	3	4	2
16th - 20th years	14	2	5	-	-	-	1	1	-	1	1	-	3
21st - 30th years	8	-	3	-	-	-	1	-	1	-	-	1	2
31st year or more	10	1	-	-	-	1	1	1	2	1	-	1	2
Not available	71	1	20	8	9	2	3	-	3	1	2	3	19

See footnotes at end of table.

**Table 18. Number of accepted disabling claims by length of employment and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1995

Length of employment	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	639	9	163	89	121	9	46	20	44	8	25	37	68
First month	67	1	13	13	30	-	3	-	2	-	-	2	3
2nd - 6th months	150	-	27	26	47	3	3	5	7	-	10	7	15
7th - 12th months	57	-	14	7	16	-	7	1	2	1	2	3	4
2nd year	57	-	15	6	7	3	10	-	6	1	3	3	3
3rd year	40	1	13	7	1	-	5	1	4	-	2	5	1
4th year	44	-	12	7	4	-	5	2	4	1	1	3	5
5th year	27	-	10	4	3	-	1	2	2	-	1	2	2
6th - 10th years	66	5	16	12	4	-	4	3	6	2	3	2	9
11th - 15th years	32	1	8	-	1	2	1	2	5	1	2	1	8
16th - 20th years	20	-	7	-	1	-	3	1	1	-	-	3	4
21st - 30th years	7	-	2	1	-	-	-	-	2	-	-	1	1
31st year or more	2	-	1	-	-	-	-	1	-	-	-	-	-
Not available	70	1	25	6	7	1	4	2	3	2	1	5	13

- Dashes indicate no claims were received.

Note: nec = not elsewhere classified

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 19. Number of accepted disabling claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995.**

Total 1991-1995

County of injury	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	3,725	57	997	601	575	76	217	79	265	67	200	203	388
Baker	28	1	5	5	3	4	1	2	2	-	-	1	4
Benton	62	1	12	8	16	2	1	-	4	-	6	1	11
Clackamas	84	1	22	19	17	1	4	-	6	1	3	6	4
Clatsop	97	1	36	10	16	5	6	2	7	-	3	3	8
Columbia	77	-	28	10	7	2	4	5	4	1	3	6	7
Coos	254	2	47	43	67	4	17	1	16	5	23	15	14
Crook	59	3	9	13	3	2	1	2	8	4	3	5	6
Curry	78	1	16	11	23	-	3	3	2	-	4	6	9
Deschutes	44	1	4	10	1	3	1	-	11	3	-	5	5
Douglas	417	5	81	85	83	10	15	10	32	6	42	16	32
Grant	93	1	35	14	11	3	1	2	7	-	2	9	8
Harney	22	-	13	2	1	-	-	-	4	-	-	1	1
Hood River	15	-	3	3	3	-	-	1	1	-	1	1	2
Jackson	116	3	37	17	12	2	3	5	11	2	2	9	13
Jefferson	18	-	9	4	-	-	-	1	3	1	-	-	-
Josephine	59	1	17	8	12	4	4	2	3	-	3	2	3
Klamath	155	2	39	22	3	10	2	4	28	10	1	16	18
Lake	30	1	9	5	1	1	1	-	5	2	-	3	2
Lane	451	14	87	67	78	7	33	7	26	14	55	17	46
Lincoln	159	-	34	39	47	1	6	1	-	2	8	7	14
Linn	110	1	34	19	13	1	4	2	14	2	4	9	7
Malheur	5	-	1	1	-	-	-	1	-	-	1	1	-
Marion	53	-	9	11	7	-	3	3	1	-	3	4	12
Morrow	11	-	3	3	1	-	-	3	-	-	-	1	-
Multnomah	12	-	3	4	4	-	-	-	-	-	-	-	1
Polk	58	-	5	11	13	1	7	-	4	3	4	4	6
Tillamook	73	-	23	11	16	-	6	1	2	-	6	3	5
Umatilla	52	1	16	16	7	2	1	2	3	-	-	3	1
Union	98	1	41	23	10	2	2	1	3	2	2	5	6
Wallowa	57	-	20	8	9	2	1	3	4	-	1	3	6
Wasco	27	-	13	4	2	-	-	-	4	-	-	2	2
Washington	49	1	17	5	9	1	1	1	3	-	1	5	5
Wheeler	21	-	3	4	1	2	-	-	3	-	-	4	4
Yamhill	60	-	24	3	9	-	4	1	5	1	3	2	8
Out of state	221	4	91	21	19	-	48	6	12	-	2	7	11
Unknown	500	11	151	62	51	4	37	7	27	8	14	21	107

See footnotes at end of table.

**Table 19. Number of accepted disabling claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1991

County of injury	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera-tor	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	878	16	243	127	135	16	41	19	76	16	54	40	95
Baker	6	-	-	2	1	-	1	-	-	-	-	1	1
Benton	11	-	2	3	-	1	-	-	1	-	1	1	2
Clackamas	23	-	5	4	7	1	1	-	1	-	-	2	2
Clatsop	14	-	7	1		2	1	-	1	-	-	1	1
Columbia	18	-	8	1	5	1	-	1	-	-	1	-	1
Coos	68	1	12	12	11	1	5	1	7	2	6	6	4
Crook	17	1	2	3	-	-	-	1	3	3	1	1	2
Curry	14	1	4	1	6	-	-	-	1	-	-	1	-
Deschutes	9	1	1	3	-	-	-	-	2	-	-	2	-
Douglas	96	2	13	18	20	2	3	3	12	1	14	1	7
Grant	26	-	14	4	2	-	-	1	4	-	-	-	1
Harney	3	-	1	1	-	-	-	-	1	-	-	-	-
Hood River	5	-	1	1	2	-	-	-	-	-	1	-	-
Jackson	37	-	11	4	4	-	1	4	4	-	2	5	2
Jefferson	3	-	-	1	-	-	-	-	2	-	-	-	-
Josephine	16	1	4	3	3	1	1	-	1	-	1	-	1
Klamath	38	-	11	5	1	3	-	2	6	1	-	4	5
Lake	8	-	1	3	1	-	1	-	-	-	-	-	2
Lane	116	2	24	15	17	1	8	3	10	7	17	2	10
Lincoln	38	-	13	7	13	-	-	-	-	1	-	2	2
Linn	28	1	9	1	6	-	1	-	3	-	3	1	3
Marion	9	-	-	1	2	-	1	-	-	-	1	-	4
Morrow	5	-	1	2	1	-	-	-	-	-	-	1	-
Multnomah	4	-	2	1	1	-	-	-	-	-	-	-	-
Polk	16	-	1	4	5	-	-	-	2	-	1	-	3
Tillamook	18	-	6	1	2	-	3	1	-	-	1	2	2
Umatilla	11	1	5	1	3	1	-	-	-	-	-	-	-
Union	28	1	13	8	1	-	1	-	1	-	1	2	-
Wallowa	14	-	6	2	2	1	1	-	-	-	-	1	1
Wasco	8	-	3	1	1	-	-	-	-	-	-	1	2
Washington	8	-	3	1	1	-	-	-	1	-	-	-	2
Yamhill	6	-	2	-	-	-	-	-	2	-	1	-	1
Out of state	33	-	16	3	3	-	7	-	3	-	-	1	-
Unknown	124	4	42	9	14	1	5	2	8	1	2	2	34

See footnotes at end of table.

**Table 19. Number of accepted disabling claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1992

County of injury	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane opera-tor	Log-ging worker nec
Total	779	14	216	137	110	19	38	15	51	15	43	45	76
Baker	4	-	1	-	1	-	-	-	-	-	-	-	2
Benton	14	-	5	1	4	-	1	-	-	-	1	-	2
Clackamas	16	-	6	3	5	-	1	-	-	-	-	1	-
Clatsop	20	1	11	3	2	1	1	1	-	-	-	-	-
Columbia	17	-	7	2	1	-	1	-	-	-	1	3	2
Coos	43	-	9	8	13	-	2	-	-	2	5	3	1
Crook	14	2	1	3	-	1	-	-	4	-	-	3	-
Curry	18	-	3	1	9	-	1	1	-	-	-	1	2
Deschutes	13	-	3	4	1	1	-	-	3	-	-	1	-
Douglas	85	1	13	20	13	5	4	3	5	1	8	5	7
Grant	19	1	5	5	1	1	-	1	-	-	2	2	1
Harney	9	-	6	-	1	-	-	-	1	-	-	1	-
Hood River	5	-	2	1	1	-	-	-	-	-	-	1	-
Jackson	18	1	7	2	2	2	-	-	1	-	-	1	2
Jefferson	3	-	2	-	-	-	-	-	1	-	-	-	-
Josephine	18	-	6	2	3	1	2	2	1	-	1	-	-
Klamath	42	-	8	5	-	1	-	-	8	6	-	7	7
Lake	5	-	1	1	-	-	-	-	3	-	-	-	-
Lane	99	3	20	18	14	4	5	1	4	2	14	2	12
Lincoln	29	-	7	5	11	-	1	1	-	-	2	-	2
Linn	26	-	8	5	4	-	2	1	3	1	-	1	1
Marion	7	-	1	2	-	-	-	-	-	-	-	1	3
Morrow	2	-	-	1	-	-	-	1	-	-	-	-	-
Multnomah	2	-	1	-	1	-	-	-	-	-	-	-	-
Polk	12	-	1	3	2	-	1	-	1	1	1	-	2
Tillamook	16	-	5	4	3	-	-	-	1	-	2	-	1
Umatilla	14	-	5	6	1	1	-	-	1	-	-	-	-
Union	22	-	9	8	1	-	-	-	1	1	1	1	-
Wallowa	12	-	7	1	-	-	-	-	1	-	-	2	1
Wasco	6	-	2	1	-	-	-	-	3	-	-	-	-
Washington	5	1	2	1	-	-	-	-	-	-	-	1	-
Wheeler	4	-	-	1	-	-	-	-	1	-	-	-	2
Yamhill	15	-	3	-	3	-	2	1	1	-	1	1	3
Out of state	39	1	19	6	1	-	6	1	2	-	-	-	3
Unknown	106	3	30	14	12	1	8	1	5	1	4	7	20

See footnotes at end of table.

**Table 19. Number of accepted disabling claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1993

County of injury	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	766	12	187	146	117	19	48	17	43	14	44	47	72
Baker	3	-	2	-	-	1	-	-	-	-	-	-	-
Benton	9	-	1	1	2	1	-	-	-	-	1	-	3
Clackamas	22	-	5	6	1	-	2	-	2	-	3	2	1
Clatsop	18	-	5	1	5	1	1	-	-	-	1	1	3
Columbia	14	-	5	3	-	1	-	-	3	-	-	1	1
Coos	53	1	7	10	15	2	2	-	2	1	7	3	3
Crook	14	-	4	4	3	1	-	-	-	-	-	1	1
Curry	15	-	4	3	2	-	1	1	-	-	2	1	1
Deschutes	9	-	-	1	-	-	-	-	2	2	-	1	3
Douglas	99	1	20	25	20	3	2	3	4	2	9	4	6
Grant	19	-	5	3	2	1	-	-	1	-	-	5	2
Harney	4	-	1	-	-	-	-	-	2	-	-	-	1
Hood River	4	-	-	1	-	-	-	1	1	-	-	-	1
Jackson	20	1	6	4	1	-	-	-	1	2	-	3	2
Jefferson	7	-	4	3	-	-	-	-	-	-	-	-	-
Josephine	9	-	1	1	2	1	1	-	-	-	1	2	-
Klamath	21	-	7	3	1	1	1	-	4	-	-	-	4
Lake	6	-	4	-	-	-	-	-	-	1	-	1	-
Lane	94	6	16	15	18	2	7	2	4	1	8	5	10
Lincoln	30	-	4	8	8	1	2	-	-	1	-	2	4
Linn	21	-	6	6	2	-	-	-	5	-	1	1	-
Malheur	1	-	-	-	-	-	-	-	-	-	1	-	-
Marion	15	-	3	3	2	-	1	1	1	-	1	2	1
Morrow	3	-	2	-	-	-	-	1	-	-	-	-	-
Multnomah	2	-	-	1	1	-	-	-	-	-	-	-	-
Polk	16	-	-	4	5	1	2	-	-	1	1	2	-
Tillamook	12	-	3	3	3	-	1	-	1	-	1	-	-
Umatilla	19	-	4	6	2	-	-	2	2	-	-	2	1
Union	25	-	12	6	-	1	1	-	-	1	-	1	3
Wallowa	11	-	1	3	3	-	-	1	1	-	1	-	1
Wasco	6	-	4	1	1	-	-	-	-	-	-	-	-
Washington	8	-	3	2	2	-	-	-	-	-	-	-	1
Wheeler	5	-	1	1	-	-	-	-	1	-	-	1	1
Yamhill	15	-	8	1	1	-	1	-	1	1	-	-	2
Out of state	46	1	12	4	4	-	16	2	1	-	1	2	3
Unknown	91	2	27	13	11	1	7	3	4	1	5	4	13

See footnotes at end of table.

**Table 19. Number of accepted disabling claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1994

County of injury	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	663	6	188	102	92	13	44	8	51	14	34	34	77
Baker	9	1	2	2	1	1	-	1	1	-	-	-	-
Benton	11	-	3	1	4	-	-	-	1	-	1	-	1
Clackamas	11	-	4	4	1	-	-	-	-	1	-	1	-
Clatsop	17	-	6	1	4	-	-	1	1	-	1	-	3
Columbia	9	-	3	2	1	-	1	1	1	-	-	-	-
Coos	49	-	12	8	14	-	4	-	2	-	4	3	2
Crook	9	-	-	3	-	-	-	1	-	1	1	-	3
Curry	16	-	4	2	1	-	-	-	1	-	1	2	5
Deschutes	8	-	-	2	-	1	-	-	4	-	-	1	-
Douglas	63	-	22	9	11	-	2	-	7	1	4	1	6
Grant	17	-	8	-	4	-	-	-	2	-	-	1	2
Harney	6	-	5	1	-	-	-	-	-	-	-	-	-
Jackson	19	-	8	5	1	-	-	1	3	-	-	-	1
Jefferson	2	-	1	-	-	-	-	-	-	1	-	-	-
Josephine	11	-	5	1	2	1	-	-	1	-	-	-	1
Klamath	32	2	8	3	-	5	1	-	6	2	1	2	2
Lake	6	1	1	1	-	1	-	-	-	1	-	1	-
Lane	77	1	13	13	11	-	10	-	6	3	13	4	3
Lincoln	37	-	6	11	9	-	1	-	-	-	5	1	4
Linn	21	-	7	3	1	1	1	-	1	1	-	4	2
Marion	11	-	3	4	1	-	-	-	-	-	-	-	3
Multnomah	2	-	-	1	1	-	-	-	-	-	-	-	-
Polk	7	-	2	-	-	-	2	-	1	1	1	-	-
Tillamook	11	-	6	1	2	-	-	-	-	-	-	-	2
Umatilla	4	-	2	1	-	-	1	-	-	-	-	-	-
Union	15	-	5	1	4	1	-	-	1	-	-	-	3
Wallowa	11	-	3	1	2	1	-	1	1	-	-	-	2
Wasco	3	-	2	-	-	-	-	-	-	-	-	1	-
Washington	11	-	3	1	3	-	-	-	-	-	-	3	1
Wheeler	6	-	1	1	-	1	-	-	1	-	-	1	1
Yamhill	9	-	3	1	2	-	-	-	1	-	-	1	1
Out of state	52	1	20	2	3	-	11	2	5	-	1	3	4
Unknown	91	-	20	16	9	-	10	-	4	2	1	4	25

See footnotes at end of table.

**Table 19. Number of accepted disabling claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1995

County of injury	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	639	9	163	89	121	9	46	20	44	8	25	37	68
Baker	6	-	-	1	-	2	-	1	1	-	-	-	1
Benton	17	1	1	2	6	-	-	-	2	-	2	-	3
Clackamas	12	1	2	2	3	-	-	-	3	-	-	-	1
Clatsop	28	-	7	4	5	1	3	-	5	-	1	1	1
Columbia	19	-	5	2	-	-	2	3	-	1	1	2	3
Coos	41	-	7	5	14	1	4	-	5	-	1	-	4
Crook	5	-	2	-	-	-	1	-	1	-	1	-	-
Curry	15	-	1	4	5	-	1	1	-	-	1	1	1
Deschutes	5	-	-	-	-	1	1	-	-	1	-	-	2
Douglas	74	1	13	13	19	-	4	1	4	1	7	5	6
Grant	12	-	3	2	2	1	1	-	-	-	-	1	2
Hood River	1	-	-	-	-	-	-	-	-	-	-	-	1
Jackson	22	1	5	2	4	-	2	-	2	-	-	-	6
Jefferson	3	-	2	-	-	-	-	1	-	-	-	-	-
Josephine	5	-	1	1	2	-	-	-	-	-	-	-	1
Klamath	22	-	5	6	1	-	-	2	4	1	-	3	-
Lake	5	-	2	-	-	-	-	-	2	-	-	1	-
Lane	65	2	14	6	18	-	3	1	2	1	3	4	11
Lincoln	25	-	4	8	6	-	2	-	-	-	1	2	2
Linn	14	-	4	4	-	-	-	1	2	-	-	2	1
Malheur	4	-	1	1	-	-	-	1	-	-	-	1	-
Marion	11	-	2	1	2	-	1	2	-	-	1	1	1
Morrow	1	-	-	-	-	-	-	1	-	-	-	-	-
Multnomah	2	-	-	1	-	-	-	-	-	-	-	-	1
Polk	7	-	1	-	1	-	2	-	-	-	-	2	1
Tillamook	16	-	3	2	6	-	2	-	-	-	2	1	-
Umatilla	4	-	-	2	1	-	-	-	-	-	-	1	-
Union	8	-	2	-	4	-	-	1	-	-	-	1	-
Wallowa	9	-	3	1	2	-	-	1	1	-	-	-	1
Wasco	4	-	2	1	-	-	-	-	1	-	-	-	-
Washington	17	-	6	-	3	1	1	1	2	-	1	1	1
Wheeler	6	-	1	1	1	1	-	-	-	-	-	2	-
Yamhill	15	-	8	1	3	-	1	-	-	-	1	-	1
Out of state	51	1	24	6	8	-	8	1	1	-	-	1	1
Unknown	88	2	32	10	5	1	7	1	6	3	2	4	15

- Dashes indicate no claims were received.

Note: nec = not elsewhere classified

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 20. Number of accepted disabling claims for buckers, cutters, and fallers by source and type of injury, logging industry, Oregon, 1991-1995.**

Total 1991-1995

Source of injury or illness	Total	Accident or exposure event									
		Struck by or against	Caught in or between	Falls	Bodily reaction	Over-exertion	Repetitive motion	Temp extreme	Transport acc	Assault violence	All other
Total	997	505	51	202	81	111	5	1	9	-	32
Containers	3	-	-	-	-	3	-	-	-	-	-
Furniture, fixtures	1	-	-	1	-	-	-	-	-	-	-
Machines	9	2	2	2	-	2	-	-	1	-	-
Wood, lumber	17	9	-	4	-	2	-	-	-	-	2
Bodily motion condition	86	-	-	-	81	-	5	-	-	-	-
Floors, walks, ground	126	-	-	126	-	-	-	-	-	-	-
Hand tools	227	129	3	13	-	81	-	-	-	-	1
Vehicles	9	1	-	-	-	-	-	-	8	-	-
All other	519	364	46	56	-	23	-	1	-	-	29

See footnotes at end of table.

**Table 20. Number of accepted disabling claims for buckers, cutters, and fallers by source and type of injury, logging industry, Oregon, 1991-1995. (continued)**

1991

Source of injury or illness	Total	Accident or exposure event									
		Struck by or against	Caught in or between	Falls	Bodily reaction	Over-exertion	Repetitive motion	Temp extreme	Transport acc	Assault violence	All other
Total	243	128	10	41	15	33	-	-	4	-	12
Source of injury or Disease											
Containers	1	-	-	-	-	1	-	-	-	-	-
Furniture, fixtures	1	-	-	1	-	-	-	-	-	-	-
Machines	2	-	-	-	-	2	-	-	-	-	-
Wood, lumber	5	3	-	1	-	1	-	-	-	-	-
Bodily motion condition	15	-	-	-	15	-	-	-	-	-	-
Floors, walks, ground	25	-	-	25	-	-	-	-	-	-	-
Hand tools	70	43	1	2	-	23	-	-	-	-	1
Vehicles	5	1	-	-	-	-	-	-	4	-	-
All other	119	81	9	12	-	6	-	-	-	-	11

See footnotes at end of table.

**Table 20. Number of accepted disabling claims for buckers, cutters, and fallers by source and type of injury, logging industry, Oregon, 1991-1995. (continued)**

1992

Source of injury or illness	Total	Accident or exposure event									
		Struck by or against	Caught in or between	Falls	Bodily reaction	Over-exertion	Repetitive motion	Temp extreme	Transport acc	Assault violence	All other
Total	216	109	11	45	17	27	-	-	2	-	5
Machines	2	1	-	-	-	-	-	-	1	-	-
Wood, lumber	4	2	-	1	-	-	-	-	-	-	1
Bodily motion condition	17	-	-	-	17	-	-	-	-	-	-
Floors, walks, ground	32	-	-	32	-	-	-	-	-	-	-
Hand tools	60	30	1	4	-	25	-	-	-	-	-
Vehicles	1	-	-	-	-	-	-	-	1	-	-
All other	100	76	10	8	-	2	-	-	-	-	4

See footnotes at end of table.

**Table 20. Number of accepted disabling claims for buckers, cutters, and fallers by source and type of injury, logging industry, Oregon, 1991-1995. (continued)**

1993

Source of injury or illness	Total	Accident or exposure event									
		Struck by or against	Caught in or between	Falls	Bodily reaction	Over-exertion	Repetitive motion	Temp extreme	Transport acc	Assault violence	All other
Total	187	97	8	42	14	21	-	1	1	-	3
Containers	1	-	-	-	-	1	-	-	-	-	-
Machines	1	-	1	-	-	-	-	-	-	-	-
Wood, lumber	3	1	-	1	-	-	-	-	-	-	1
Bodily motion condition	14	-	-	-	14	-	-	-	-	-	-
Floors, walks, ground	26	-	-	26	-	-	-	-	-	-	-
Hand tools	39	21	-	4	-	14	-	-	-	-	-
Vehicles	1	-	-	-	-	-	-	-	1	-	-
All other	102	75	7	11	-	6	-	1	-	-	2

See footnotes at end of table.

**Table 20. Number of accepted disabling claims for buckers, cutters, and fallers by source and type of injury, logging industry, Oregon, 1991-1995. (continued)**

1994

Source of injury or illness	Total	Accident or exposure event									
		Struck by or against	Caught in or between	Falls	Bodily reaction	Over-exertion	Repetitive motion	Temp extreme	Transport acc	Assault violence	All other
Total	188	101	11	39	15	16	1	-	1	-	4
Containers	1	-	-	-	-	1	-	-	-	-	-
Machines	3	1	-	2	-	-	-	-	-	-	-
Wood, lumber	4	3	-	1	-	-	-	-	-	-	-
Bodily motion condition	16	-	-	-	15	-	1	-	-	-	-
Floors, walks, ground	22	-	-	22	-	-	-	-	-	-	-
Hand tools	35	21	1	2	-	11	-	-	-	-	-
Vehicles	1	-	-	-	-	-	-	-	1	-	-
All other	106	76	10	12	-	4	-	-	-	-	4

See footnotes at end of table.

**Table 20. Number of accepted disabling claims for buckers, cutters, and fallers by source and type of injury, logging industry, Oregon, 1991-1995. (continued)**

1995

Source of injury or illness	Total	Accident or exposure event									
		Struck by or against	Caught in or between	Falls	Bodily reaction	Over-exertion	Repetitive motion	Temp extreme	Transport acc	Assault violence	All other
Total	163	70	11	35	20	14	4	-	1	-	8
Machines	1	-	1	-	-	-	-	-	-	-	-
Wood, lumber	1	-	-	-	-	1	-	-	-	-	-
Bodily motion condition	24	-	-	-	20	-	4	-	-	-	-
Floors, walks, ground	21	-	-	21	-	-	-	-	-	-	-
Hand tools	23	14	-	1	-	8	-	-	-	-	-
Vehicles	1	-	-	-	-	-	-	-	1	-	-
All other	92	56	10	13	-	5	-	-	-	-	8

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 21. Number and percentage of accepted disabling claims for chain saw cuts by body part affected, logging industry, Oregon, 1991-1995.**

Part of body affected	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	216	100.0	63	100.0	52	100.0	42	100.0	34	100.0	25	100.0
Head, face	1	0.5	-	-	-	-	-	-	1	2.9	-	-
Trunk except back	2	0.9	1	1.6	-	-	-	-	1	2.9	-	-
Upper extremities	39	18.1	11	17.5	7	13.5	9	21.4	8	23.5	4	16.0
Fingers	36	16.7	16	25.4	9	17.3	6	14.3	3	8.8	2	8.0
Lower extremities	135	62.5	34	54.0	36	69.2	26	61.9	21	61.8	18	72.0
Multiple parts	2	0.9	1	1.6	-	-	1	2.4	-	-	-	-
All other	1	0.5	-	-	-	-	-	-	-	-	1	4.0

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 22. Number of accepted disabling claims for chain saw cuts by part affected and claimant occupation, logging industry, Oregon, 1991-1995.**

Total 1991-1995

Part of body affected	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me-chanic	Rigger	Yarder crane operator	Log-ging worker nec
Total	216	-	115	55	9	4	2	6	2	-	1	1	21
Head, face	1	-	-	1	-	-	-	-	-	-	-	-	-
Trunk except back	2	-	2	-	-	-	-	-	-	-	-	-	-
Upper extremities	39	-	25	7	1	-	-	1	2	-	1	-	2
Fingers	36	-	18	11	1	2	1	-	-	-	-	-	3
Lower extremities	135	-	68	36	7	2	1	4	-	-	-	1	16
Multiple parts	2	-	2	-	-	-	-	-	-	-	-	-	-
All other	1	-	-	-	-	-	-	1	-	-	-	-	-

See footnotes at end of table.

**Table 22. Number of accepted disabling claims for chain saw cuts by part affected and claimant occupation, logging industry, Oregon, 1991-1995. (continued)**

1991

Part of body affected	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	63	-	39	12	3	1	1	2	-	-	-	-	5
Trunk except back	1	-	1	-	-	-	-	-	-	-	-	-	-
Upper extremities	11	-	7	2	-	-	-	1	-	-	-	-	1
Fingers	16	-	10	2	1	1	1	-	-	-	-	-	1
Lower extremities	34	-	20	8	2	-	-	1	-	-	-	-	3
Multiple parts	1	-	1	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 22. Number of accepted disabling claims for chain saw cuts by part affected and claimant occupation, logging industry, Oregon, 1991-1995. (continued)**

1992

Part of body affected	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	52	-	28	13	2	2	-	1	-	-	-	-	6
Upper extremities	7	-	6	1	-	-	-	-	-	-	-	-	-
Fingers	9	-	5	3	-	1	-	-	-	-	-	-	-
Lower extremities	36	-	17	9	2	1	-	1	-	-	-	-	6

See footnotes at end of table.

**Table 22. Number of accepted disabling claims for chain saw cuts by part affected and claimant occupation, logging industry, Oregon, 1991-1995. (continued)**

1993

Part of body affected	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	42	-	19	15	1	1	1	-	-	-	1	-	4
Upper extremities	9	-	6	2	-	-	-	-	-	-	1	-	-
Fingers	6	-	1	3	-	-	-	-	-	-	-	-	2
Lower extremities	26	-	11	10	1	1	1	-	-	-	-	-	2
Multiple parts	1	-	1	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 22. Number of accepted disabling claims for chain saw cuts by part affected and claimant occupation, logging industry, Oregon, 1991-1995. (continued)**

1994

Part of body affected	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	34	-	19	8	2	-	-	1	-	-	-	1	3
Head, face	1	-	-	1	-	-	-	-	-	-	-	-	-
Trunk except back	1	-	1	-	-	-	-	-	-	-	-	-	-
Upper extremities	8	-	4	2	1	-	-	-	-	-	-	-	1
Fingers	3	-	2	1	-	-	-	-	-	-	-	-	-
Lower extremities	21	-	12	4	1	-	-	1	-	-	-	1	2

See footnotes at end of table.

**Table 22. Number of accepted disabling claims for chain saw cuts by part affected and claimant occupation, logging industry, Oregon, 1991-1995. (continued)**

1995

Part of body affected	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	25	-	10	7	1	-	-	2	2	-	-	-	3
Upper extremities	4	-	2	-	-	-	-	-	2	-	-	-	-
Fingers	2	-	-	2	-	-	-	-	-	-	-	-	-
Lower extremities	18	-	8	5	1	-	-	1	-	-	-	-	3
All other	1	-	-	-	-	-	-	1	-	-	-	-	-

- Dashes indicate no claims were received.

Note: nec = not elsewhere classified

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 23. Number and percentage of accepted disabling claims for chain saw cuts, by type of injury, logging industry, Oregon, 1991-1995.**

Part of body affected	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	216	100.0	63	100.0	52	100.0	42	100.0	34	100.0	25	100.0
Struck by or against	194	89.8	56	88.9	48	92.3	36	85.7	31	91.2	23	92
Falls	21	9.7	6	9.5	4	7.7	6	14.3	3	8.8	2	8
All other	1	0.5	1	1.6	-	-	-	-	-	-	-	-

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 24. Number of accepted disabling hearing loss claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995.**

Total 1991-1995

County of injury	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane operator	Log- ging worker nec
Total	34	5	9	3	-	3	-	-	6	2	-	1	5
Benton	1	-	1	-	-	-	-	-	-	-	-	-	-
Coos	7	-	2	1	-	1	-	-	1	-	-	1	1
Douglas	4	-	1	-	-	1	-	-	1	-	-	-	1
Jackson	1	1	-	-	-	-	-	-	-	-	-	-	-
Klamath	4	1	-	-	-	1	-	-	2	-	-	-	-
Lane	9	1	3	1	-	-	-	-	1	1	-	-	2
Linn	2	1	-	1	-	-	-	-	-	-	-	-	-
Unknown	6	1	2	-	-	-	-	-	1	1	-	-	1

See footnotes at end of table.

**Table 24. Number of accepted disabling hearing loss claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1991

County of injury	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane operator	Log- ging worker nec
Total	12	1	4	1	-	1	-	-	2	1	-	1	1
Benton	1	-	1	-	-	-	-	-	-	-	-	-	-
Coos	6	-	1	1	-	1	-	-	1	-	-	1	1
Douglas	2	-	1	-	-	-	-	-	1	-	-	-	-
Linn	1	1	-	-	-	-	-	-	-	-	-	-	-
Unknown	2	-	1	-	-	-	-	-	-	1	-	-	-

See footnotes at end of table.

**Table 24. Number of accepted disabling hearing loss claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1992

County of injury	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	7	2	1	-	-	1	-	-	1	-	-	-	2
Douglas	2	-	-	-	-	1	-	-	-	-	-	-	1
Jackson	1	1	-	-	-	-	-	-	-	-	-	-	-
Klamath	1	-	-	-	-	-	-	-	1	-	-	-	-
Lane	1	-	-	-	-	-	-	-	-	-	-	-	1
Unknown	2	1	1	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 24. Number of accepted disabling hearing loss claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1993

County of injury	Total	Logging occupations											
		Super- visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip opera- tor	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	7	1	-	2	-	1	-	-	1	1	-	-	1
Klamath	2	-	-	-	-	1	-	-	1	-	-	-	-
Lane	4	1	-	1	-	-	-	-	-	1	-	-	1
Linn	1	-	-	1	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 24. Number of accepted disabling hearing loss claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1994

County of injury	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	4	1	1	-	-	-	-	-	1	-	-	-	1
Coos	1	-	1	-	-	-	-	-	-	-	-	-	-
Klamath	1	1	-	-	-	-	-	-	-	-	-	-	-
Lane	1	-	-	-	-	-	-	-	1	-	-	-	-
Unknown	1	-	-	-	-	-	-	-	-	-	-	-	1

See footnotes at end of table.

**Table 24. Number of accepted disabling hearing loss claims by county of occurrence and occupation of claimant, logging industry, Oregon, 1991-1995. (continued)**

1995 Total

Part of body affected	Total	Logging occupations											
		Super-visor	Bucker cutter faller	Chaser bumper	Choker setter	Heavy equip operator	Hook tender	Loader	Log truck driver	Me- chanic	Rigger	Yarder crane opera- tor	Log- ging worker nec
Total	4	-	3	-	-	-	-	-	1	-	-	-	-
Lane	3	-	3	-	-	-	-	-	-	-	-	-	-
Unknown	1	-	-	-	-	-	-	-	1	-	-	-	-

- Dashes indicate no claims were received.  
 Note: nec = not elsewhere classified

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 25. Number and percentage of fatal claims by occupation of claimant and type of accident or exposure, logging industry, Oregon, 1991-1995.**

Occupation by type - Accident or exposure event	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	37	100.0	13	100.0	3	100.0	11	100.0	7	100.0	3	100.0
Supervisor, logging workers												
Transport accident	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Bucker, cutter, faller												
Struck by or against	3	8.1	1	7.7	-	-	1	9.1	1	14.3	-	-
Caught in or between	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Transport accident	1	2.7	1	7.7	-	-	-	-	-	-	-	-
All other	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Bumper, chaser												
Struck by or against	3	8.1	1	7.7	-	-	1	9.1	1	14.3	-	-
Transport accident	2	5.4	2	15.4	-	-	-	-	-	-	-	-
Choker, choker setter												
Struck by or against	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Caught in or between	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Falls	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Hooker, hook tender												
Struck by or against	3	8.1	-	-	1	33.3	1	9.1	1	14.3	-	-
Loader, log stacker												
Struck by or against	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Transport accident	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Logging truck driver												
Struck by or against	2	5.4	-	-	1	33.3	-	-	1	14.3	-	-
Transport accident	3	8.1	1	7.7	-	-	1	9.1	-	-	1	33.3
Rigger, rigging slinger												
Struck by or against	4	10.8	4	30.8	-	-	-	-	-	-	-	-
Skidder, yarder, crane oper.												
Struck by or against	3	8.1	1	7.7	-	-	1	9.1	-	-	1	33.3
Logger, unspecified												
Struck by or against	2	5.4	-	-	-	-	1	9.1	1	14.3	-	-
Transport accident	1	2.7	-	-	1	33.3	-	-	-	-	-	-
All other logging occup.												
Transport accident	1	2.7	-	-	-	-	-	-	-	-	1	33.3
All other	1	2.7	-	-	-	-	1	9.1	-	-	-	-

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 26. Number and percentage of fatal claims by occupation of claimant and county of injury, logging industry, Oregon, 1991-1995.**

Occupation by county	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	37	100.0	13	100.0	3	100.0	11	100.0	7	100.0	3	100.0
Supervisor, logging workers												
Jackson	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Bucker, cutter, faller												
Douglas	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Lane	2	5.4	2	15.4	-	-	-	-	-	-	-	-
Linn	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Wallowa	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Washington	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Bumper, chaser												
Coos	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Lane	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Umatilla	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Out of state	2	5.4	1	7.7	-	-	1	9.1	-	-	-	-
Choker, choker setter												
Douglas	2	5.4	1	7.7	-	-	1	9.1	-	-	-	-
Out of state	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Hooker, hook tender												
Benton	1	2.7	-	-	1	33.3	-	-	-	-	-	-
Lane	2	5.4	-	-	-	-	1	9.1	1	14.3	-	-
Loader, log stacker												
Curry	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Out of state	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Logging truck driver												
Coos	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Douglas	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Jackson	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Linn	1	2.7	-	-	-	-	-	-	-	-	1	33.3
Yamhill	1	2.7	-	-	1	33.3	-	-	-	-	-	-
Rigger, rigging slinger												
Coos	2	5.4	2	15.4	-	-	-	-	-	-	-	-
Douglas	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Linn	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Skidder, yarder, crane oper.												
Coos	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Douglas	1	2.7	-	-	-	-	-	-	-	-	1	33.3
Jackson	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Logger, unspecified												
Douglas	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Lincoln	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Wheeler	1	2.7	-	-	1	33.3	-	-	-	-	-	-
All other logging occup.												
Douglas	1	2.7	-	-	-	-	-	-	-	-	1	33.3
Out of state	1	2.7	-	-	-	-	1	9.1	-	-	-	-

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 27. Number and percentage of fatal claims by type of accident or exposure, logging industry, Oregon, 1991-1995.**

Type of accident or exposure	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	37	100	13	100	3	100	11	100	7	100	3	100
Struck by or against	22	59.5	8	61.5	2	66.7	6	54.5	5	71.4	1	33.3
Caught in or between	2	5.4	-	-	-	-	1	9.1	1	14.3	-	-
Falls	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Transport accident	10	27	4	30.8	1	33.3	3	27.3	-	-	2	66.7
All other	2	5.4	1	7.7	-	-	1	9.1	-	-	-	-

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 28. Number and percentage of fatal claims by source of injury or illness, logging industry, Oregon, 1991-1995.**

Source of injury or illness	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	37	100	13	100	3	100	11	100	7	100	3	100
Machines	5	13.5	1	7.7	-	-	2	18.2	1	14.3	1	33.3
Metal items	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Working surfaces	16	43.2	5	38.5	2	66.7	4	36.4	5	71.4	-	-
Nonclassifiable, unknown	15	40.5	6	46.2	1	33.3	5	45.5	1	14.3	2	66.7

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 29. Number and percentage of fatal claims by claimant age at injury or exposure, logging industry, Oregon, 1991-1995.**

Age at injury	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	37	100	13	100	3	100	11	100	7	100	3	100
20 to 24	3	8.1	2	15.4	-	-	-	-	1	14.3	-	-
25 to 29	8	21.6	2	15.4	1	33.3	4	36.4	1	14.3	-	-
30 to 34	5	13.5	2	15.4	-	-	2	18.2	1	14.3	-	-
35 to 39	5	13.5	1	7.7	1	33.3	2	18.2	-	-	1	33.3
40 to 44	4	10.8	1	7.7	-	-	1	9.1	2	28.6	-	-
45 to 49	4	10.8	1	7.7	-	-	1	9.1	1	14.3	1	33.3
50 to 54	5	13.5	2	15.4	-	-	1	9.1	1	14.3	1	33.3
55 to 59	1	2.7	1	7.7	-	-	-	-	-	-	-	-
60 and over	2	5.4	1	7.7	1	33.3	-	-	-	-	-	-

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 30. Number and percentage of fatal claims by length of employment, logging industry, Oregon, 1991-1995.**

Length of employment	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	37	100	13	100	3	100	11	100	7	100	3	100
First month	5	13.5	3	23.1	-	-	-	-	2	28.6	-	-
2nd - 6th months	5	13.5	1	7.7	-	-	1	9.1	1	14.3	2	66.7
7th - 12th months	6	16.2	2	15.4	1	33.3	2	18.2	1	14.3	-	-
2nd year	3	8.1	1	7.7	-	-	1	9.1	1	14.3	-	-
3rd year	1	2.7	-	-	-	-	-	-	-	-	1	33.3
4th year	3	8.1	1	7.7	-	-	2	18.2	-	-	-	-
5th year	1	2.7	-	-	1	33.3	-	-	-	-	-	-
6th - 10th years	4	10.8	2	15.4	-	-	2	18.2	-	-	-	-
16th - 20th years	1	2.7	-	-	-	-	1	9.1	-	-	-	-
31st year or more	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Not available	7	18.9	2	15.4	1	33.3	2	18.2	2	28.6	-	-

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 31. Number and percentage of fatal claims by county of injury or exposure, logging industry, Oregon, 1991-1995.**

County of injury	Total 1991-1995		1991		1992		1993		1994		1995	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Total	37	100	13	100	3	100	11	100	7	100	3	100
Benton	1	2.7	-	-	1	33.3	-	-	-	-	-	-
Coos	5	13.5	4	30.8	-	-	1	9.1	-	-	-	-
Curry	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Douglas	8	21.6	2	15.4	-	-	3	27.3	1	14.3	2	66.7
Jackson	3	8.1	1	7.7	-	-	1	9.1	1	14.3	-	-
Lane	5	13.5	3	23.1	-	-	1	9.1	1	14.3	-	-
Lincoln	1	2.7	-	-	-	-	1	9.1	-	-	-	-
Linn	3	8.1	1	7.7	-	-	-	-	1	14.3	1	33.3
Umatilla	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Wallowa	1	2.7	-	-	-	-	-	-	1	14.3	-	-
Washington	1	2.7	1	7.7	-	-	-	-	-	-	-	-
Wheeler	1	2.7	-	-	1	33.3	-	-	-	-	-	-
Yamhill	1	2.7	-	-	1	33.3	-	-	-	-	-	-
Out of state	5	13.5	1	7.7	-	-	3	27.3	1	14.3	-	-

- Dashes indicate no claims were received.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

**Table 32. Inspections, violations, and citations by county, logging industry, Oregon, 1991-1995**

1991-95 calendar year total

County of inspection	Inspections			Violations						Citation count
	Safety and health	Employees/covered	Percent in compliance	Serious/Willful		Repeat		Other		
				Number	Dollar penalties	Number	Dollar penalties	Citations issued	General penalties	
Total	2,054	12,682	30.6	1,355	\$774,820	109	\$37,630	1,731	20,610	1,409
Baker	19	110	22.2	10	6,310	0	0	19	0	14
Benton	123	728	35.8	73	32,915	4	1,600	110	1,335	78
Clackamas	63	518	26.2	54	11,935	6	4,135	61	300	45
Clatsop	28	308	42.9	22	14,480	1	300	17	750	16
Columbia	55	312	32.7	51	85,055	1	200	50	620	37
Coos	96	483	21.9	92	41,610	3	5,750	95	550	75
Crook	22	209	40.9	8	6,440	0	0	13	430	13
Curry	8	44	12.5	19	22,675	1	1,000	5	50	7
Deschutes	46	194	34.8	13	2,570	1	50	34	60	29
Douglas	271	1,467	21.1	307	304,580	16	6,620	244	2,650	212
Grant	47	304	34.0	9	7,010	0	0	37	0	31
Harney	16	134	25.0	1	120	0	0	12	0	12
Hood River	11	56	18.2	8	1,575	0	0	30	200	9
Jackson	68	312	17.9	59	14,555	10	2,730	50	875	55
Jefferson	1	4	100.0	0	0	0	0	0	0	0
Josephine	36	190	19.4	36	11,285	7	1,730	23	400	29
Klamath	100	653	26.3	63	23,300	8	1,160	95	3,890	72
Lake	18	129	22.2	10	1,575	0	0	17	150	14
Lane	446	2,683	36.0	235	66,580	23	7,160	348	2,560	283
Lincoln	86	459	25.6	51	17,325	5	800	73	510	64
Linn	110	696	50.0	51	24,915	6	1,120	53	280	53
Malheur	1	8	100.0	0	0	0	0	0	0	0
Marion	59	348	36.8	29	9,745	4	560	53	925	37
Morrow	7	33	0.0	1	120	0	0	12	0	7
Multnomah	16	111	31.3	8	1,515	0	0	21	355	11
Polk	69	452	29.0	39	7,295	3	605	53	335	49
Tillamook	47	395	30.4	25	36,370	7	1,200	36	700	32
Umatilla	11	77	36.4	0	0	0	0	11	1,250	7
Union	18	363	35.3	14	3,675	0	0	22	420	11
Wallowa	14	62	35.7	2	270	0	0	9	0	9
Wasco	11	49	9.1	3	375	1	110	13	50	10
Washington	57	433	21.1	44	15,075	0	0	70	705	45
Wheeler	9	47	55.6	0	0	0	0	8	0	4
Yamhill	64	310	39.7	17	3,495	2	800	35	260	38
Unknown	1	1	0.0	1	75	0	0	2	0	1

See footnotes at end of table.

**Table 32. Inspections, violations, and citations by county, logging industry, Oregon, 1991-1995 (continued)**

1991 calendar year total

County of inspection	Inspections			Violations						Citation count
	Safety and health	Employees/covered	Percent in compliance	Serious/Willful		Repeat		Other		
				Number	Dollar penalties	Number	Dollar penalties	Citations issued	General penalties	
Total	562	3,240	30.6	298	\$129,555	37	\$14,125	403	\$8,970	388
Baker	2	13	0.0	1	105	0	0	2	0	2
Benton	21	98	19.0	7	1,160	1	300	32	880	17
Clackamas	14	79	28.6	16	5,340	4	3,335	8	75	10
Clatsop	5	41	60.0	1	500	1	300	3	0	2
Columbia	10	46	50.0	6	1,315	0	0	2	50	5
Coos	27	116	18.5	20	12,900	2	5,150	24	200	22
Crook	13	79	53.8	1	150	0	0	8	325	6
Curry	3	22	0.0	9	3,735	0	0	1	50	3
Deschutes	26	124	50.0	4	390	1	50	16	60	13
Douglas	69	410	18.8	65	20,030	3	710	60	1,345	56
Grant	13	105	23.1	5	1,575	0	0	10	0	10
Harney	5	56	20.0	0	0	0	0	4	0	4
Hood River	1	8	100.0	0	0	0	0	0	0	0
Jackson	26	119	19.2	20	3,645	7	1,530	15	550	21
Jefferson	1	4	100.0	0	0	0	0	0	0	0
Josephine	13	69	30.8	5	1,620	2	220	8	200	9
Klamath	51	377	34.0	22	8,840	3	210	35	2,750	33
Lake	13	102	30.8	6	965	0	0	10	0	9
Lane	92	498	30.4	64	20,310	4	1,350	62	930	64
Lincoln	30	161	36.7	4	330	2	350	19	210	19
Linn	26	148	53.8	6	3,435	0	0	10	160	12
Marion	23	125	40.9	5	745	2	160	14	75	13
Morrow	2	11	0.0	0	0	0	0	3	0	2
Polk	6	36	33.3	3	420	0	0	5	200	4
Tillamook	17	100	17.6	10	31,860	4	350	9	50	14
Umatilla	2	42	0.0	0	0	0	0	3	500	2
Union	4	40	25.0	0	0	0	0	4	50	3
Wallowa	6	17	0.0	0	0	0	0	7	0	6
Wasco	6	35	0.0	1	75	1	110	7	50	6
Washington	8	34	25.0	9	7,985	0	0	6	0	6
Wheeler	4	23	75.0	0	0	0	0	1	0	1
Yamhill	23	102	36.4	8	2,125	0	0	15	260	14

See footnotes at end of table.

**Table 32. Inspections, violations, and citations by county, logging industry, Oregon, 1991-1995 (continued)**

1992 calendar year total

County of inspection	Inspections			Violations						Citation count
	Safety and health	Employees/covered	Percent in compliance	Serious/Willful		Repeat		Other		
				Number	Dollar penalties	Number	Dollar penalties	Citations issued	General penalties	
Total	475	3,073	23.2	300	\$101,200	27	\$5405	509	\$6825	361
Baker	8	41	25.0	2	225	0	0	9	0	6
Benton	33	232	33.3	25	21,235	1	200	33	305	22
Clackamas	25	243	13.0	27	4,435	1	200	38	225	20
Clatsop	5	71	0.0	12	2,980	0	0	6	100	5
Columbia	17	99	35.3	8	1,345	0	0	20	290	11
Coos	18	105	22.2	14	1,725	0	0	16	250	14
Crook	4	107	0.0	3	5,210	0	0	4	105	4
Curry	1	9	0.0	1	250	0	0	0	0	1
Deschutes	3	21	0.0	0	0	0	0	3	0	3
Douglas	59	306	23.7	80	15,875	2	410	55	1,055	45
Grant	12	59	25.0	1	75	0	0	14	0	9
Hood River	5	21	20.0	2	255	0	0	17	200	4
Jackson	22	129	14.3	26	7,730	2	600	11	325	18
Josephine	10	66	10.0	20	6,200	4	1,010	6	200	9
Klamath	21	116	19.0	17	3,850	3	150	27	610	17
Lake	4	25	0.0	4	610	0	0	6	150	4
Lane	97	662	27.1	71	16,320	6	1,610	97	1,420	70
Lincoln	21	110	23.8	11	1,080	1	50	17	50	16
Linn	18	123	35.3	13	2,815	3	520	9	120	11
Marion	9	57	22.2	4	360	0	0	12	210	7
Morrow	2	8	0.0	0	0	0	0	4	0	2
Multnomah	5	29	0.0	1	75	0	0	12	355	5
Polk	16	99	31.3	12	2,550	2	405	15	0	11
Tillamook	10	68	20.0	6	780	2	250	12	345	8
Umatilla	1	1	0.0	0	0	0	0	1	0	1
Union	6	49	50.0	1	125	0	0	4	0	3
Wallowa	1	24	0.0	2	270	0	0	0	0	1
Washington	24	93	8.3	19	3,680	0	0	51	510	22
Yamhill	17	99	35.3	7	1,070	0	0	8	0	11
Unknown	1	1	0.0	1	75	0	0	2	0	1

See footnotes at end of table.

**Table 32. Inspections, violations, and citations by county, logging industry, Oregon, 1991-1995 (continued)**

1993 calendar year total

County of inspection	Inspections			Violations						Citation count
	Safety and health	Employees/covered	Percent in compliance	Serious/Willful		Repeat		Other		
				Number	Dollar penalties	Number	Dollar penalties	Citations issued	General penalties	
Total	466	2,890	29.6	342	\$161,585	16	\$7,600	359	\$2,675	324
Baker	4	26	25.0	0	0	0	0	3	0	3
Bemtpm	28	121	35.7	15	3,860	0	0	15	0	18
Clackamas	24	196	37.5	11	2,160	1	600	15	0	15
Clatsop	2	85	50.0	2	800	0	0	2	150	1
Columbia	9	56	22.2	16	3,845	0	0	9	90	7
Coos	14	76	21.4	16	17,470	0	0	13	0	11
Crook	5	23	40.0	4	1,080	0	0	1	0	3
Curry	4	13	25.0	9	18,690	1	1,000	4	0	3
Deschutes	13	35	15.4	9	2,180	0	0	11	0	10
Douglas	60	334	23.6	73	55,500	5	2,700	41	0	44
Grant	11	81	36.4	2	360	0	0	7	0	7
Harney	5	35	20.0	1	120	0	0	4	0	4
Hood River	4	24	0.0	5	1,200	0	0	10	0	4
Jackson	10	31	20.0	6	1,680	0	0	16	0	8
Josephine	5	18	20.0	6	2,520	1	500	3	0	4
Klamath	17	94	5.9	17	4,410	1	600	25	530	16
Lake	1	2	0.0	0	0	0	0	1	0	1
Lane	103	678	33.0	67	23,770	3	1,400	68	120	68
Lincoln	13	70	7.7	14	3,270	1	200	13	0	12
Linn	26	154	42.3	18	6,090	3	600	12	0	15
Malheur	1	8	100.0	0	0	0	0	0	0	0
Marion	17	92	35.3	13	5,530	0	0	19	640	11
Morrow	2	7	0.0	0	0	0	0	3	0	2
Multnomah	10	78	50.0	6	1,320	0	0	9	0	5
Polk	30	212	20.0	18	3,270	0	0	22	135	24
Tillamook	11	144	70.0	1	210	0	0	4	200	3
Umatilla	4	18	25.0	0	0	0	0	6	750	3
Union	1	2	0.0	5	1,020	0	0	0	0	1
Wallowa	2	5	50.0	0	0	0	0	1	0	1
Wasco	5	14	20.0	2	300	0	0	6	0	4
Washington	11	97	27.3	5	750	0	0	7	60	8
Wheeler	2	8	0.0	0	0	0	0	3	0	2
Yamhill	12	53	50.0	1	180	0	0	6	0	6

See footnotes at end of table.

**Table 32. Inspections, violations, and citations by county, logging industry, Oregon, 1991-1995 (continued)**

1994 calendar year total

County of inspection	Inspections			Violations						Citation count
	Safety and health	Empoyees/ covered	Percent in compliance	Serious/Willful		Repeat		Other		
				Number	Dollar penalties	Number	Dollar penalties	Cita-tions issued	General penalties	
Total	268	1,953	37.5	168	\$321,630	21	\$7,700	226	\$1,300	166
Baker	1	7	100.0	0	0	0	0	0	0	0
Benton	17	161	41.2	17	5,190	1	500	13	150	10
Clatsop	12	87	58.3	3	1,800	0	0	4	0	5
Columbia	17	98	23.5	21	78,550	1	200	17	190	13
Coos	14	66	14.3	17	3,330	1	600	21	100	12
Deschutes	4	14	25.0	0	0	0	0	4	0	3
Douglas	31	136	19.4	42	203,520	5	2,200	32	250	25
Grant	4	22	25.0	1	5,000	0	0	3	0	3
Harney	3	20	33.3	0	0	0	0	2	0	2
Hood River	1	3	0.0	1	120	0	0	3	0	1
Jackson	7	28	14.3	4	1,080	1	600	5	0	6
Josephine	2	10	50.0	1	180	0	0	1	0	1
Klamath	11	66	36.4	7	6,200	1	200	8	0	6
Lane	62	337	53.2	11	1,750	6	2,000	36	0	29
Lincoln	11	60	9.1	17	9,470	1	200	14	0	10
Linn	16	136	62.5	2	240	0	0	16	0	6
Marion	3	26	33.3	0	0	1	200	3	0	2
Morrow	1	7	0.0	1	120	0	0	2	0	1
Multnomah	1	4	0.0	1	120	0	0	0	0	1
Polk	8	48	37.5	1	120	1	200	8	0	5
Tillamook	7	70	14.3	7	1,020	0	0	11	105	6
Umatilla	2	9	100.0	0	0	0	0	0	0	0
Union	7	272	33.3	8	2,530	0	0	14	370	4
Wallowa	3	11	66.7	0	0	0	0	1	0	1
Washington	13	206	38.5	5	1,170	0	0	4	135	8
Yamhill	10	49	40.0	1	120	2	800	4	0	6

See footnotes at end of table

**Table 32. Inspections, violations, and citations by county, logging industry, Oregon, 1991-1995 (continued)**

1995 calendar year total

County of inspection	Inspections			Violations						Citation count
	Safety and health	Employees/covered	Percent in compliance	Serious/Willful		Repeat		Other		
				Number	Dollar penalties	Number	Dollar penalties	Citations issued	General penalties	
Total	283	1,526	38.6	157	\$60,850	8	\$2,800	234	\$840	170
Baker	4	23	0.0	7	5,980	0	0	5	0	3
Benton	24	116	50.0	9	1,470	1	600	17	0	11
Clatsop	4	24	25.0	4	8,400	0	0	2	500	3
Columbia	2	13	50.0	0	0	0	0	2	0	1
Coos	23	120	30.4	25	6,185	0	0	21	0	16
Douglas	52	281	19.2	47	9,655	1	600	56	0	42
Grant	7	37	71.4	0	0	0	0	3	0	2
Harney	3	23	33.3	0	0	0	0	2	0	2
Jackson	3	5	33.3	3	420	0	0	3	0	2
Josephine	6	27	0.0	4	765	0	0	5	0	6
Lane	92	508	42.4	22	4,430	4	800	85	90	53
Lincoln	11	58	36.4	5	3,175	0	0	10	250	7
Linn	24	135	56.5	12	12,335	0	0	6	0	9
Marion	7	48	50.0	7	3,110	1	200	5	0	4
Polk	9	57	44.4	5	935	0	0	3	0	5
Tillamook	2	13	50.0	1	2,500	1	600	0	0	1
Umatilla	2	7	50.0	0	0	0	0	1	0	1
Wallowa	2	5	100.0	0	0	0	0	0	0	0
Washington	1	3	0.0	6	1,490	0	0	2	0	1
Wheeler	3	16	66.7	0	0	0	0	4	0	1
Yamhill	2	7	50.0	0	0	0	0	2	0	1

- Dashes indicate there were none.

Source: Research & Analysis Section, Oregon Department of Consumer & Business Services. (01-97)

## Descriptions of Logging Fatalities, Oregon, 1995

A log truck driver was crushed by logs after his truck overturned.

A helicopter pilot was logging with the helicopter. After picking up a log with the helicopter, he hit a tree with the tail rotor, causing the helicopter to crash.

A skidder/yarder was operating a tractor dozer. He got out of the dozer and was unhooking the cables from the logs when the tractor dozer backed over him (program-related).

## Glossary of Claims Terminology

**Disabling claims:** Claims accepted by insurers and received by the Workers' Compensation Division for disabling occupational injuries or illnesses only. A disabling injury or illness entitles the worker to compensation for disability or fatality. This type of claim excludes temporary disability suffered during the first three calendar days after the employee leaves work as a result of the injury or illness, unless the worker is an inpatient in a hospital. If the employee leaves work the day of the injury, that day is considered the first day of the three-day period.

**Incidence rate:** Number of injuries and/or illnesses, or lost workdays, experienced by 100 full-time workers. The rate is calculated as:

$$IR = \frac{N \times 200,000}{EH}$$

Where: IR = Incidence rate  
 N = Number of injuries and/or illnesses or lost workdays  
 EH = Total hours worked by all employees during the calendar year  
 200,000 = Base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year)

**Logging industry:** The aggregate of establishments assigned a Standard Industrial Classification Code of 2411, which designates the major activity of an establishment as logging. All employees of these establishments, and only these employees, are considered logging industry workers.

**Nature:** Identification of the injury or illness in terms of its principal physical characteristics or diagnosis; for example, cut, bruise, sprain or fracture.

**Occupation:** Identification of the nature of work of the employee. The occupation is classified in accordance with the 1980 Census of Population Alphabetical Index of Industries and Occupations.

**Part:** Identification of the part of the worker's body directly affected by the injury or illness.

**PPD:** Permanent Partial Disability.

**Program-related:** A compensable fatality which might have been prevented by some safety regulation.

**PTD:** Permanent Total Disability.

**Source:** Identification of the object, substance, exposure, or bodily motion which directly produced or inflicted the injury or illness.

**Standard Industrial Classification (SIC):** A classification system developed by the Office of Statistical Standards, Executive Office of the President/Office of Management and Budget, for use in classifying firms by the type of activity in which they are engaged. Each establishment of a firm is assigned an industry code for its major activity, which is determined by the product or group of products produced or services rendered.

**Type:** Identification of the event or exposure which directly resulted in the injury; for example, struck by, fall from elevation, or overexertion.

## Glossary of Logging Terminology

**Boom** (or loading boom): An arrangement of poles and lines for loading logs onto trucks, or for decking them at landings.

**Buckers:** Loggers who cut the felled timber into specified log lengths.

**Bull line:** The wire rope used on the winch, onto which the bullhook is attached. Also called the winch line.

**Carriage:** A large metal device which rides upon the wire rope cables through a system of pulleys, which enables the logger to skid partially- or fully-suspended logs to the landing. The weight of the numerous types of carriages may vary from several hundred pounds to three or four tons.

**Cat:** An abbreviated term for caterpillar. Loosely used to designate any kind of a tractor with a crawling type of traction.

**Cat skinner:** The operator of a crawler tractor.

**Chaser** (or choker chaser): The worker at the landing who unhooks the chokers, trims the log ends, and limbs the logs.

**Choker:** A wire rope cable with a sliding device “chokerbell” which is placed around the log for its removal from the brush. As the yarder pulls, the choker bites into the log for a better hold. Chokers may be 50-60 feet in length and 7/8” to 1” in diameter. Chokers used on smaller machines and behind cats and skidders are smaller.

**Choker bell:** Depending on choker size, these choker bells may weigh from two pounds to 35-40 pounds.

**Chokersetter:** These are usually the least experienced workers. They are under the direct supervision of the rigging slinger. Their job is to place the chokers on the logs, assist in making layouts, rigging up and fire-trail construction.

**Cutter:** One who fells, limbs, tops, and/or bucks trees.

**Donkey:** A portable steam, gas or electric engine equipped with drums and cables, for moving and raising logs. Tractors and caterpillars are not considered as donkeys, except when equipped with two or more drums for use in yarding or swinging.

**Drum:** A drum mounted on the back of a tractor or

skidder and used to pull the logs up to the machine for skidding. Also known as the winch.

**Faller:** A worker, usually a buckler, who fells trees for logging purposes.

**Gin pole:** An erect pole with guys, 30 to 50 feet in height, leaning so that a loading block hung at the top will be directly over the point where the trucks will be spotted for loading.

**Guylines:** Large cables attached to the tower or spar tree that are used to raise and support spar trees and towers.

**Guyline stump:** A notched stump used to secure the other end of the guyline. These stumps are carefully selected to prevent pullout due to guyline action and stress.

**High climber** (high rigger or topper): A worker who removes the tops, or the top branches, of trees about to be used as spars and who also rigs the high lines.

**Hooktender:** The foreman of a yarding, or rigging, crew who in small camps may also be the head rigger and in caterpillar logging, hooks the logs onto the cats.

**Landing:** The area to which logs are yarded from the brush to a central point for sorting, trimming, branding and loading onto trucks.

**Landing tree:** A spar tree used at the landing for loading logs, as well as, for yarding and swinging.

**Limb:** To remove the limbs from a felled tree.

**Lines:** Generally construed to mean the wire rope or cables used in logging. There are nicknames for their many uses, the principal ones being as follows:

**Boom lines:** Designates the “hold up” lines that support a loading boom.

**Haulback:** Used to return the larger main line from the donkey to the cutting area. In a skidder system, this is called the receding line (aka trip, or pull back, or back line).

**Main line:** The large line that pulls, or drags, the logs from cutting area toward the donkey in yarding operations such as the “high lead” and “North Bend” systems (aka haul in line).

**Skidding line** (or main line): In “slackline” or “skidder” systems, this is the one that hauls in the logs by pulling

on, or through the skyline carriage.

**Skyline** (or slackline, or highline, or overhead skyliner): A line from 1-1/4 to 2-1/3 inches in diameter, either mobile or stationary, suspended between two spar trees, and on which the carriage operates in yarding and swinging.

**Slackline:** The sagging or slack skyline in the "slackline systems."

**Loader** (Or boom hoist): Another name for a boom or loading boom. A loader is also a worker who loads the logs onto the cars or trucks. A top loader is one who stands on top of the load and places the logs as they are sent up.

**Loading hook** (or loading tongs): In reality, a pair of hooks for loading logs. They may either grapple the log at the ends or in the side. Log tongs differ from the "pigs foot" type of log hooks, in that the former are of solid metal, and similar in design to a pair of scissors or ice tongs.

**Logger:** Anyone engaged in preparing trees and transporting them to the sawmill. It excludes workers such as clerks and cooks at the logging site who are not actually engaged in handling the trees or logs.

**Rigging:** The wire rope or lines, blocks, and sheaves used at the spar tree or in skidding systems. The high rigger installs and maintains this equipment. The rigging crew is composed of the riggers, the hook tenders, choker setters and chasers.

**Rigging crew:** The workers on a yarder side who are out in the brush. This crew will normally consist of a hook tender, rigging slinger and two to four choker setters.

**Rigging slinger:** Selects the logs and their method of removal from the brush. Sends the signals to the yarder engineer by radio frequency which activate a whistle on the yarder. These signals are sent in series, e.g., one to stop, three to go. Some signal devices, such as the talkie tooter, also enable the yarder engineer and rigging crew to have direct voice contact when needed.

**Scaler:** These workers scale the logs on the trucks or on the ground at dry storage areas. In some coastal areas, scaling of floating log rafts is also done.

**Sheave:** A grooved wheel, pulley roller, or pulley block.

**Skidder:** A system of yarding and conveying logs with a donkey from the cutting area to the landing, using two or more cables between two spar trees.

**Skidder operator:** The operator of a rubber-tired or track-mounted skidder.

**Skyline machine:** An intricate system of cable logging which enables logs to be brought to the landing either fully or partially suspended. These systems greatly reduce soil disturbance. Some of these machines are capable of flying a log, fully suspended, up to one mile.

**Spar** (spar tree or mast): A tree which has been trimmed and rigged like a gin pole, for use in loading logs or in attaching the lines of the various overhead logging systems. The head spar is the main tree nearest the donkey, while the tail spar is the one at the end of the line near the cutting area.

**Spar tree:** A standing or raised tree used for yarding.

**Swinging:** The process of transferring logs from the yarding tree to the place of loading.

**Swing tree:** A spar tree used for pulling logs away from a yarding tree. When swung to a landing, it is designated as a landing tree.

**Tail spar** (or tail tree): Used in skidder or other skyline yarding operations, to suspend the outer end of the skyline.

**Tower skidder:** Usually a tall iron framework with hoisting engines and drums mounted on wheels. It serves in the place of the head spar, loading boom and other head equipment in a skidder system of yarding.

**Tower or tube:** The steel spar from which the mainline haulback or skyline are run out. The towers are normally 90 to 110 feet in height.

**Winch:** Same as Drum.

**Winch line:** Same as Bull line.

**Yarder:** This machine consists of a number of drums on which wire rope cables are held for yarding operations. They are powered by extremely powerful engines, 50 to 850 h.p., with high speed torque convertor drives.

**Yarder engineer:** The worker who operates the yarding machine, depending on whistle signals and the feel of the machine. This worker usually cannot see the rigging crew or the incoming logs.

**Yarding:** That part of a logging operation which brings the logs from scattered falling and bucking, or cutting areas to a common point or yard, ready to be loaded or decked.



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