

### **Oregon Forest Industry:**

### A Comparison of Occupational Safety and Health Measures, 2011

**Information Management Division** 

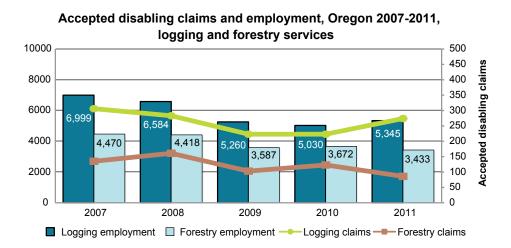
**Department of Consumer and Business Services** 

October 2012

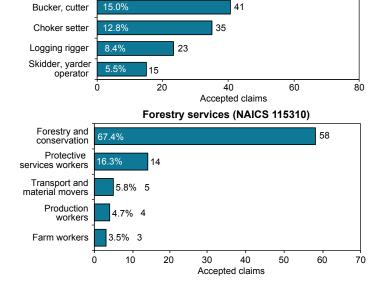
### By Karen Howard

The <u>Logging Industry (NAICS¹ 113310</u>) primarily involves harvesting of timber on long production cycles (10 or more years) and often requires specialized machinery unique to the industry in varied terrains and settings. Establishments within the industry are typically focused in one or more of the following: (1) cutting timber, (2) cutting and transporting timber, and (3) producing wood chips in the field. Shorter cycle products (e.g., Christmas trees) are generally more horticulture in nature and are categorized outside of Forestry and Logging.

The <u>Forestry Services Industry (NAICS 115310)</u> comprises companies primarily engaged in particular support activities related to timber production, such as wood technology, marketing, and forest protection. Support activities may include: (1) estimating timber, (2) forest firefighting, (3) forest pest control, and/or (4) consulting on wood attributes and reforestation.



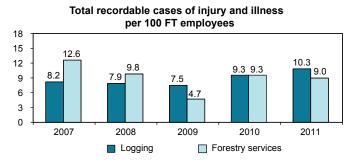
# Occupations with the most Oregon workers' compensation claims by industry, 2011 Logging (NAICS 113310)

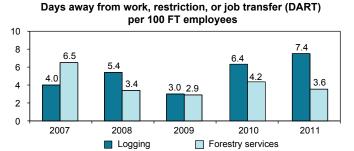


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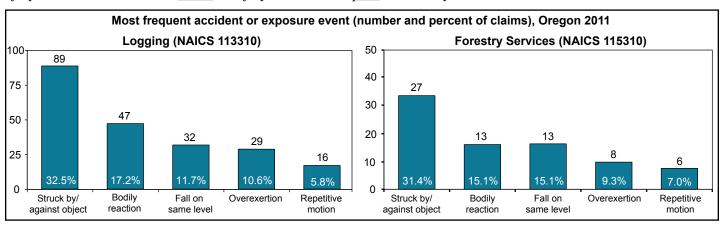
Logging laborer

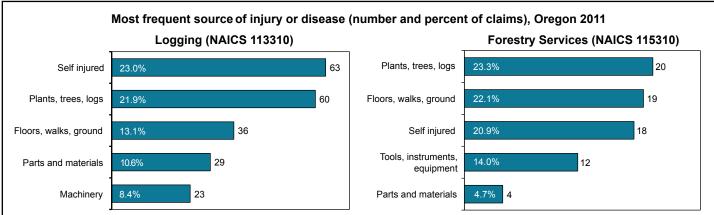
# Survey<sup>2</sup> of occupational injury and illness, incidence rates, Oregon 2007-2011

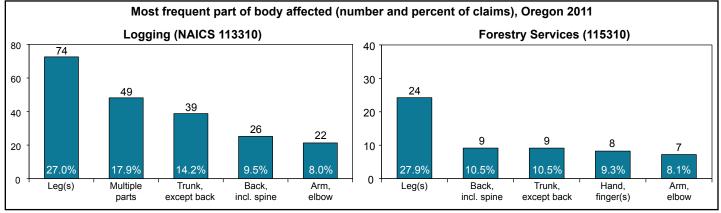


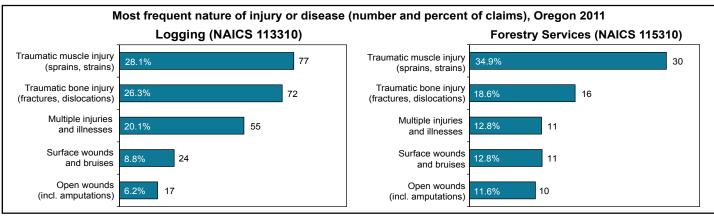


**Compensable workers' compensation claim characteristics** – The Department of Consumer and Business Services uses the Bureau of Labor Statistics' Occupational Injury and Illness Classification System (OIICS) to record accident and injury data. OIICS tracks occupational injuries, illnesses, and fatalities according to the <u>event or exposure</u> and <u>source</u> that led to an injury or illness as well as the nature of injury or illness and parts of the body affected.<sup>3</sup>









Summary table of Oregon employment, accepted disabling workers' compensation claims and fatalities, logging and forestry services compared with statewide data, 1990-2011

March   Marc					0601	logging and ro	restry services compared with statewide	ces com	pared wit	II statewide	uala,	1330-7011	•			
Value         State         Logging         Frontal State         Logging         Frontal State         Choosing         Frontal State         Frontal State         Choosing         Frontal State         Choosing         Frontal State			Employmen	ı <b>t</b> 4	Accep	ted disabling	g claims <sup>5</sup>	Accepter (ADC	d disabling o	claims RATE		Fatal clain	su	(fatals p	Fatality RA	rE mployees)
199         1,228,600         1,428,60 <th< th=""><th>Year</th><th>State</th><th>Logging</th><th>Forest serv.</th><th>State</th><th>Logging</th><th>Forest serv.</th><th>State</th><th>Logging</th><th>Forest serv.</th><th>State</th><th>Logging</th><th>Forest serv.</th><th>State</th><th>Logging</th><th>Forest serv.</th></th<>	Year	State	Logging	Forest serv.	State	Logging	Forest serv.	State	Logging	Forest serv.	State	Logging	Forest serv.	State	Logging	Forest serv.
1982         1700         1800         170         25         88         67         180 <th>1990</th> <th></th> <th>11,425</th> <th>3,069</th> <th>35,857</th> <th>1,202</th> <th>234</th> <th>2.8</th> <th>10.5</th> <th>9.7</th> <th>64</th> <th>19</th> <th>1</th> <th>5.1</th> <th>166.3</th> <th>32.6</th>	1990		11,425	3,069	35,857	1,202	234	2.8	10.5	9.7	64	19	1	5.1	166.3	32.6
1280 500         1.01 97         2.624         3.776         163         2.4         6.6         6.2         6.3         6.5         6.4	1991	1,258,600	10,007	3,000	31,479	878	170	2.5	8.8	5.7	99	13	0	5.2	129.9	-
131         4.26         4.26         4.13         6.9         4.7         4.7         4.7         4.9         4.1         4.9         11.1         4.9         4	1992		10,197	2,624	30,786	622	163	2.4	9.2	6.2	63	8	5		29.4	190.5
130         130         9.18         1.50         663         173         2.3         7.3         664         7.3         6.4         5.5         7.4         4.4         5.5         7.7         4.4         6.5         7.7         4.4         6.5         7.7         4.4         6.5         7.7         4.4         6.5         7.7         4.4         7.7         4.4         6.5         7.7         4.4         7.7         4.4         4.5         7.4         4.5         7.7         4.4         7.7         4.5         7.7         4.5         7.7         4.5         7.7         4.5         7.7         4.5         7.7         4.5         7.7         4.5         7.7         4.5         7.7         4.7 </th <th>1993</th> <td></td> <td>868'6</td> <td>2,426</td> <td>30,741</td> <td>992</td> <td>113</td> <td></td> <td>7.7</td> <td>4.7</td> <td>64</td> <td>11</td> <td>1</td> <td>4.9</td> <td>111.1</td> <td>41.2</td>	1993		868'6	2,426	30,741	992	113		7.7	4.7	64	11	1	4.9	111.1	41.2
1431 600         6.89         2.773         3.644         6.89         14.1         7.0         44         4.6         3         2         3.4         3.50         7.2           1.49         1.486         1.487,300         8.889         2.970         28.389         605         1.99         1.9         68         4.7         64         9         0         3.8         10.15         1.8         1.9         68         4.7         64         9         0         3.8         10.15         1.8         1.9         68         4.3         1.9         6.8         4.3         1.9         6.8         1.9         6.9         7.8         1.9         6.8         4.3         1.9         6.8         1.9         6.9         7.8         1.9         1.9         6.9         7.9         7.9         1.8         1.9         1.9         6.9         7.9	1994		9,138	2,683	31,530	663	173	2.3	7.3	6.4	22	2	1	4.0	76.6	37.3
440.         6.66         6.86         6.86         6.86         6.87         6.86         6.87         6.87         6.88         6.89         6.89         6.89         6.89         6.89         6.89         6.80         6.80         6.80         6.80         6.80         6.80         6.80         7.80         6.80         7.80 <th< th=""><th>1995</th><td></td><td>9,079</td><td>2,773</td><td>30,564</td><td>639</td><td>121</td><td>2.1</td><td>7.0</td><td>4.4</td><td>48</td><td>3</td><td>2</td><td>3.4</td><td>33.0</td><td>72.1</td></th<>	1995		9,079	2,773	30,564	639	121	2.1	7.0	4.4	48	3	2	3.4	33.0	72.1
1949         1,547,800         6,625         3,027         170         118         6.5         3.6         4.3         1.7         6.1         3.4         6.2         7         0.0         2.8         116         6.5         3.6         4.3         1.6         6.5         3.7         4.7         0.0         3.3         8.6         1.7         6.1         3.4         5.2         7         0.0         3.3         8.6         3.7         4.7         0.0         3.3         8.6         3.7         4.7         0.0         3.3         8.6         3.7         4.7         0.0         3.3         8.6         3.7         4.7         0.0         3.3         8.6         3.7         4.7         0.0         3.3         9.6         3.7         4.7         0.0         3.3         9.7         3.1         4.7         1.8         1.6         6.2         3.3         4.7         0.0         3.3         9.6         3.1         4.7         3.2         3.4         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7         4.7	1996		8,869	2,970	28,389	909	139	1.9	6.8	4.7	54	6	0	3.6	101.5	-
1998         1,576,100         8,084         3,024         2,720         490         104         1.7         6.1         3.4         6.2         7         0         3.3         86.6         3.3           1999         1,602,700         7,908         3,212         25,789         513         118         1.6         6.5         3.7         47         2         1         2.9         3.7         3.7         4.7         2         1         2.9         3.7         4.7         2         1         2.9         3.7         4.7         2         1         2.9         3.7         4.7         2         1         2.9         3.7         4.7         2         1.4         1.6         6.2         3.3         4.5         6.7         1         1.4         1.6         6.2         3.3         4.5         9.0         0         2         1.14         2         1.2         3.4         2         6.7         4.6         1.5         6.7         4.6         1.5         6.7         4.7         5.6         3.4         5.7         4.7         5.7         4.7         5.7         4.7         5.7         4.7         5.7         4.7         5.7         4.8	1997	1,547,800	8,625	3,027	27,922	209	110	1.8	6:9	3.6	43	1	0	2.8	11.6	-
1919         1460,770         7,908         3,12         55,78         513         118         16         6.5         3.7         47         2         1         2.5         5.5         1144         2         3.3         45         47         2         1         2.5         25.3         31.44         31.44         3.5         4.6         114         1.6         6.2         3.3         45         9         0         2.8         1144         2.5         114         1.6         6.2         3.3         45         9         0         2.8         1144         2.5         1.2         6.9         3.4         5         1.4         2.9         3.4         5         1.4         2.5         1.4         1.2         6.9         3.4         4.7         2.1         6.9         1.4         1.2         6.9         3.4         4.1         8.4         1.2         1.4         1.2         2.9         3.4         4.1         8.2         1.4         1.5         1.2         3.4         4.1         8.2         1.4         1.5         1.5         3.4         4.2         8.2         1.6         1.6         1.6         1.2         3.4         4.2         1.2	1998		8,084	3,024	27,020	490	104	1.7	6.1	3.4	52	2	0	3.3	86.6	-
1,657,600         7,868         3,494         6.5,32         486         114         1.6         6.2         3.3         45         9         0         2.8         114.4         1.6         1.6         6.2         3.3         45         9         0         2.8         114.4         2.8           1,616,400         7,528         3,934         24,607         447         116         1.5         6.1         2.9         34         5         1.6         6.1         2.9         34         5         1.6         6.0         3.4         6.0         3.9         3.4         6.0         3.9         3.4         6.0         3.9         3.4         6.0         3.8         5.2         7         0.0         3.2         1.66         1.8         1.4         6.9         3.4         4.0         8.0         3.8         1.6         1.4         6.3         3.4         4.5         8         2.6         105.8         159.9         1.6         1.6         1.8         4.5         8.0         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8	1999		7,908	3,212	25,769	513	118	1.6	6.5	3.7	47	2	1	2.9	25.3	31.1
1,596,100         7,528         3,934         24,607         457         116         1.5         6.1         2.9         34         5         1         6.1         6.9         34         5         1         6.6         3.3         6.2         7         0         3.3         6.2         7         6.6         3.3         6.2         7         0         3.3         6.2         7         6.9         3.4         6.9         3.4         6.9         7         0         3.3         9.2         9.2         9.2         1.5         1.5         1.5         1.5         1.5         8         8         8         2.6         1.5         1.5         1.5         1.5         1.5         1.5         1.4         6.9         3.4         4.5         8         2.6         1.5 <th>2000</th> <td></td> <td>7,868</td> <td>3,494</td> <td>25,325</td> <td>486</td> <td>114</td> <td>1.6</td> <td>6.2</td> <td>3.3</td> <td>45</td> <td>6</td> <td>0</td> <td>2.8</td> <td>114.4</td> <td>-</td>	2000		7,868	3,494	25,325	486	114	1.6	6.2	3.3	45	6	0	2.8	114.4	-
1,586,100         7,584         4,651         2,3465         4,651         4,651         23,465         4,14         178         1.5         5.5         3.8         5.2         7         0         3.3         9.2         9.2           1,586,800         7,564         5,026         21,823         525         154         1.4         6.9         3.1         4         8         8         0         2.8         105.8         159.2 <td< th=""><th>2001</th><td>1,616,400</td><td>7,528</td><td>3,934</td><td>24,607</td><td>457</td><td>116</td><td>1.5</td><td>6.1</td><td></td><td>34</td><td>5</td><td>1</td><td>2.1</td><td>66.4</td><td>25.4</td></td<>	2001	1,616,400	7,528	3,934	24,607	457	116	1.5	6.1		34	5	1	2.1	66.4	25.4
1,585,800         7,564         5,026         21,823         555         154         1.4         6.9         3.1         41         8         8         2.6         105.8         155.8           1,630,500         7,707         3,995         22,320         483         131         1.4         6.3         3.4         5         8         0         2.8         10.3         1.3         1.3         1.3         6.9         8         1.8         1.3         1.3         1.3         6.9         8         1.8         1.8         1.3         1.4         1.3         1.3         1.4         1.3         1.4         1.3         1.4         1.3         1.4         1.3         1.4         1.4         1.3         1.4         1.4         1.3         1.4         1.4         1.3         1.4         1.4         1.4         1.4	2002	1,596,100	7,535	4,651	23,463	414	178	1.5	5.5	3.8	52	2	0	3.3	92.9	-
1,630,500         7,707         3,996         22,320         483         131         1.4         6.3         3.3         45         8         0         2.8         103.8           1,677,500         7,516         3,977         22,111         439         137         1.3         5.8         3.4         31         3         2         1.8         39.9         50.3           1,734,400         7,222         4,149         23,370         385         130         1.3         6.3         3.7         7         7         0         2.1         96.9         7         4,470         23,431         306         135         1.3         4.4         3.0         35         7         7         7         2.0         42.9         50.3           1,746,200         6,584         4,418         21,660         283         161         1.2         4.3         3.7         45         7         7         2.6         106.3         158.4           1,637,400         5,260         3,587         18,949         223         103         1.1         4.4         3.3         17         3         0         1.0         1.9         5.0         1.0         2.1         1.0	2003		7,564	5,026	21,823	525	154	1.4	6.9	3.1	41	8	8	2.6	105.8	159.2
1,677,500         7,516         3,977         22,111         439         137         1.3         5.8         3.4         3.1         3.7         7         0         2.1         1.8         50.3           1,734,400         7,222         4,149         23,431         306         135         1.3         4.4         3.0         35         3         7         7         0         2.1         96.9         7           1,746,200         6,584         4,418         21,660         283         161         1.2         4.3         3.7         45         7         7         2.6         106.3         158.4           1,637,400         5,260         3,587         18,949         223         103         1.2         4.2         2.9         31         3         0         1.9         5.70         3.5           1,623,300         5,030         3,672         18,012         223         123         1.1         4.4         3.3         17         3         0         1         1         5.9         3           1,638,700         5,345         34,433         18,691         274         86         1.1         5.1         2.5         28         4	2004	1,630,500	7,707	3,995	22,320	483	131	1.4	6.3		45	8	0	2.8	103.8	-
1,734,4007,2224,14923,3703861361.36.33.13.7702.196.91,762,7006,9994,47023,4313061351.34.43.03.5 <th>2002</th> <td></td> <td>7,516</td> <td>3,977</td> <td>22,111</td> <td>439</td> <td>137</td> <td>1.3</td> <td>5.8</td> <td>3.4</td> <td>31</td> <td>3</td> <td>2</td> <td>1.8</td> <td>39.9</td> <td>50.3</td>	2002		7,516	3,977	22,111	439	137	1.3	5.8	3.4	31	3	2	1.8	39.9	50.3
1,762,7006,9994,47023,4313061351.34,43.03.53.53.54.54.53.54.53.54.54.53.54.54.54.54.54.5772.6106.3158.31,623,3005,0303,67218,0122231134.43.3173301.059.671,638,7005,3453,43318,691274861.15.15.12.528401.774.8	2006		7,222	4,149	23,370	385	130	1.3	5.3	3.1	37	7	0	2.1	96.9	-
1,746,200         6,584         4,418         21,660         283         161         1.2         4.3         3.7         45         7         7         2.6         106.3         158           1,637,400         5,260         3,587         18,949         223         103         1.2         4.4         3.3         17         3         0         1.9         57.0         57.0         1.0         5.0         1.0         59.6         1.0         1.0         59.6         1.0         1.0         59.6         1.1         51.1         5.1         2.5         28         4         0         1.7         74.8         74.8         74.8         74.8         1.7         74.8         74.8         1.1         1.1         51.1         5.5         28         4         0         1.7         74.8         74.8         1.7         1.7         74.8         1.7         1.8         1.7         1.7         1.7         1.7         1.8         1.7         1.7         1.7         1.7         1.7         1.8         1.7         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8         1.8 <th>2002</th> <td>1,762,700</td> <td>666'9</td> <td>4,470</td> <td>23,431</td> <td>306</td> <td>135</td> <td>1.3</td> <td>4.4</td> <td>3.0</td> <td>35</td> <td>3</td> <td>0</td> <td>2.0</td> <td>42.9</td> <td>1</td>	2002	1,762,700	666'9	4,470	23,431	306	135	1.3	4.4	3.0	35	3	0	2.0	42.9	1
1,637,4005,2603,58718,0122231031.24,22.931301.91.91,623,3005,0303,67218,0122231231.14,43.317301.01.01,638,7005,3453,43318,691274861.15.15.12.528401.71.7	2008		6,584	4,418	21,660	283	161	1.2	4.3	3.7	45	7	7	2.6	106.3	158.4
1,623,3005,0303,67218,0122231231.14.43.317301.01.01,638,7005,3453,43318,691274861.15.12.528401.7	2009		5,260	3,587	18,949	223	103	1.2	4.2		31	3	0	1.9	57.0	'
1,638,700         5,345         3,433         18,691         274         86         1.1         5.1         2.5         28         4         0         1.7         1.7	2010		5,030	3,672	18,012	223	123	1.1	4.4	3.3	17	3	0	1.0	59.6	-
	2011		5,345	3,433	18,691	274	86	1.1	5.1	2.5	28	4	0	1.7	74.8	1

## Oregon fatal workers' compensation claims, logging and forestry services, 2007-2011

Industry	2007	2008	2009	2010	2011
Logging	3	7	3	3	4
Forestry services	0	7	0	0	0

#### Description of accepted fatal logging and forestry claims, 2010

Accident description	# of Fatals	Gender	Occupation	NAICS	County
Utility truck went off road and hit power pole	1	М	Logger	113310	Josephine
Loader went off bridge and overturned	1	М	Loader operator	113310	Polk
Struck by falling tree top	1	М	Timber faller	113310	Tillamook
Struck by swinging log	1	М	Hook tender	113310	Coos

#### **Endnotes:**

- <sup>1</sup>NAICS = North American Industry Classification System, 2007 Edition. Employees of client leasing firms are reported by the industry in which they were working at the time of injury.
- <sup>2</sup> The U.S. Bureau of Labor Statistics conducts the annual Survey of Occupational Injury and Illness, in cooperation with the Department of Consumer and Business Services.
- <sup>3</sup> Claims characteristics are classified according to the Bureau of Labor Statistics' Occupational Injury and Illness Classification System (OIICS).
- <sup>4</sup> Employment figures are based on data from the Oregon Employment Department.
- <sup>5</sup> Table includes all accepted disabling claims.

Source data are continually updated so results may vary over time.

Source: Information Management Division, Oregon Department of Consumer and Business Services. Last updated October 2012.

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