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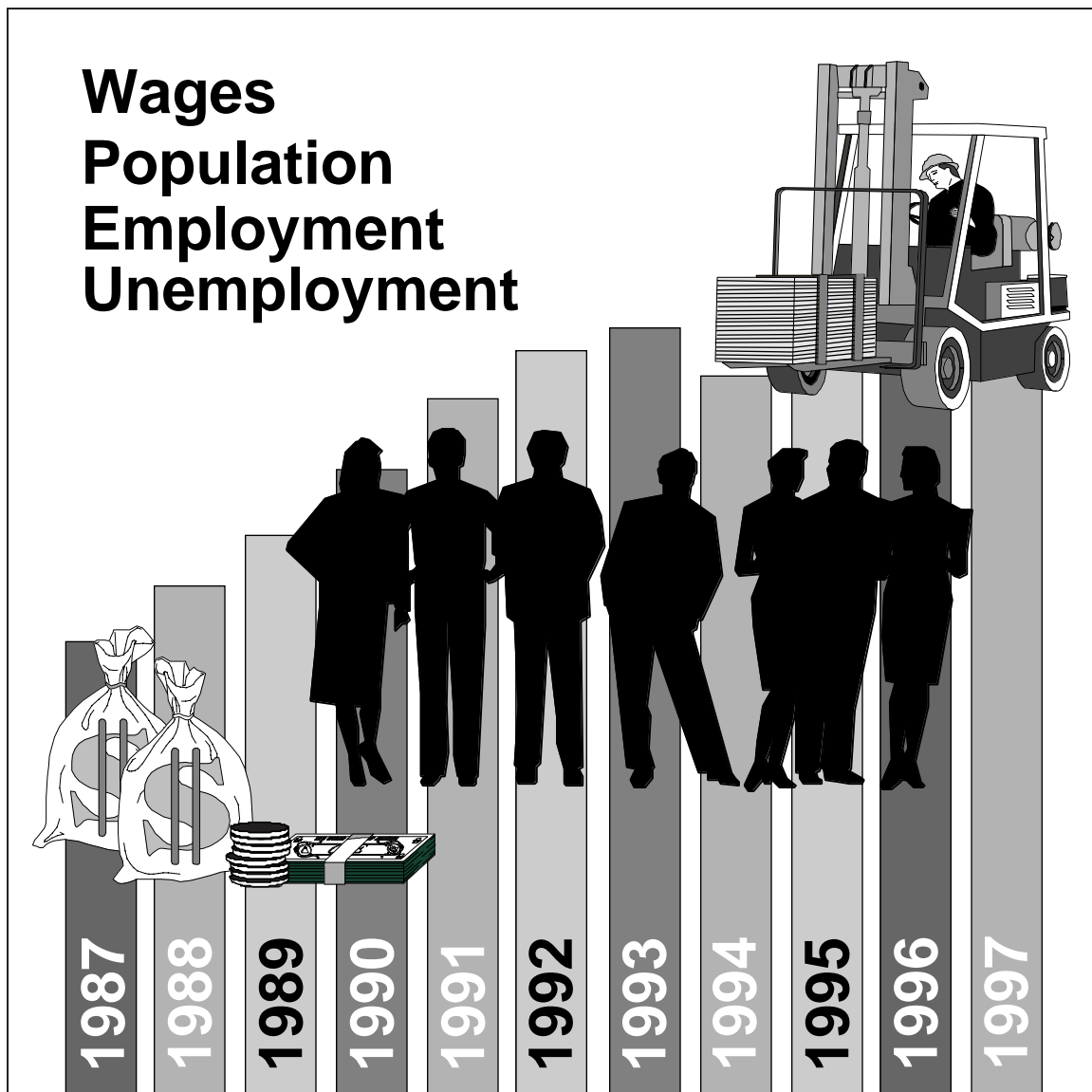
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Trends in Key Economic and Social Indicators for Pacific Northwest States and Counties

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Abstract

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Local (county) variations in key social and economic indicators are important in Oregon and Washington. Covered employment, wage and salary, unemployment, and population data for 1987 through 1997 showed regional trends in these indicators, which are compared with national trends. Future updates will be published in the "Production, Prices, Employment, and Trade in Northwest Forest Industries" series from the Pacific Northwest Research Station.

Keywords: Social and economic indicators, covered employment, wage and salary, unemployment, population, Oregon, Washington.

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Key Indicators

There are important local differences in the magnitude and rate of economic and social changes within states in the Pacific Northwest. Data for key economic and social indicators for Oregon and Washington and for individual counties within these states illustrate these differences and serve as basic tools to monitor continuing local economic and social changes.

Annual employment, wage unemployment, and population data are displayed by county for Oregon and Washington for 1987 through 1997 (tables 1 and 2). The employment data displayed in these tables is covered employment. "Covered employment" refers to all employees covered by applicable state employment security or employment department law and the Federal program, Unemployment Compensation for Federal Employees. Covered employment is based on place of employment, in contrast to employment information by place of residence, which is collected by the Bureau of the Census during the decennial censuses. Persons who are self-employed, employees who earned no wages because of work stoppages, elected officials, certain corporate officers, and other relatively small groups of workers are not included. For Oregon, estimates indicated that covered employment has included an average of 88 percent of all employees, and there is a trend of covered employment accounting for an increasing proportion of estimated total employment (Lux and others 1999). Similarly, in Washington it is estimated that the covered employment data include more than 85 percent of all employees in the state (Washington State Employment Security Department 1992).

Data on covered employment were provided by the Oregon Employment Department and the Washington State Employment Security Department. Definitions and protocols for collecting and displaying covered information are subject to change over time and can impact the comparability of time series employment and wage data. Total employment in counties and employment in the lumber and wood products sector, Standard Industrial Classification (SIC) sector 24,¹ are shown.

Several other kinds of employment data are widely collected and used in the United States (Salant 1990, Washington State Employment Security Department 1997b):

- Nonagricultural employment. This is place-of-employment data based on sample data produced by state-covered employment statistics programs; within these data are categories sometimes excluded from covered employment, such as corporate officers, but the data are usually only a few percentage points greater than those for covered employment.² Nonagricultural employment data for a given period are usually available before the covered employment data, and they are available by industry, by county, and by month (industry detail may not match the detail provided in covered employment).

¹The SIC system is being replaced by the North American Industry Classification System (NAICS). Implementation is being phased in over 3 years from 1998 through 2000 (Murphy 1998).

²Personal communication. 1998. Robert Baker, economist, Washington State Employment Security Department, Labor Market and Economic Analysis Branch, P.O. Box 9046, Olympia, WA 98507-9046.

- Civilian labor force, employment and unemployment. This refers to place-of-residence data derived from the current population survey, a monthly household survey to obtain employment, unemployment, and population data, conducted by the Bureau of the Census for the Bureau of Labor Statistics; these data are used to calculate the unemployment rate (Washington State Employment Security Department 1997a). They are available by month and by county, but they are not published by industry. Revised or benchmark data are generally available within 2 months of the end of the calendar year, with complete summaries available within 12 months of the end of the calendar year (Washington State Employment Security Department 1997a). This employment information is a more inclusive measure of employment than either covered or nonagricultural employment.
- Employment information collected during the decennial censuses. The census employment data are *place-of-residence data* and are available for smaller geographical areas than any of the data routinely available from state employment departments. The census employment data create a comprehensive measure of employment, but they are available only once every 10 years, and then after a relatively long lag time.
- County business patterns. These data provide county level *place-of-employment* data for specific industrial sectors, but again there is a significant delay. Employment is reported for a period in mid-March of each year and may not be useful for industries with highly seasonal employment patterns. Other economic censuses also provide similar employment data for specific industries.
- The U.S. Department of Commerce, Bureau of Economic Analysis (BEA). The BEA provides a comprehensive set of place-of-employment data at the state and county levels that includes many of the classes of employment not in state employment department data sets. This data set is the Regional Economic Information System (REIS). Disadvantages include the timeliness of the data and the industrial sector-geographic area resolution.

A significant issue in the publication and distribution of employment (and wage) information is the necessity to maintain the confidentiality of individuals and individual firms that have supplied the primary data forming the basis for the information reported (Lux and others 1999, Washington State Employment Security Department 1992). This issue is particularly acute when data for specific industries are reported by county, and many of the source publications withhold significant portions of the detailed data. Specific statutory and administrative guidelines for the various data collection entities outline the conditions precluding public distribution of data items that would disclose information for individuals or specific firms.

Corresponding wage and salary data are displayed in these tables for the wages and salaries paid to all covered employees and to covered lumber and wood products employees. The wage and salary data are in nominal dollars (not adjusted for inflation) and represent the average weekly wage per employee. This highlights the comparison of wages in the lumber and wood products sector with wages in the county economy as a whole. Total wage and salary payments for a state or county can be readily calculated by multiplying the average weekly wage by the number of employees and 52.

The covered employment data are presented in tables 1 and 2 because they represent the only timely series of both employment and wage and salary information available by industry and by county (Washington State Employment Security Department 1997b). Users should remember the limitations inherent in using covered employment and wage data, and that there may be relatively large differences in employment and wage data from different sources.

The unemployment rate for each county also is displayed in both tables. The unemployment rate is calculated as the percentage of the civilian labor force unemployed for a specific time. Because the civilian labor force, total employment, and unemployment data used to calculate the unemployment rate are place-of-residence data collected by survey, the unemployment rate is not directly comparable to the employment and wage data included in these tables.

The last indicator included in tables 1 and 2 is population. Annual population estimates are reported by the Bureau of the Census by state and county. The population data for 1990 is from the 1990 Decennial Census. Population estimates for years between the decennial censuses are derived from efforts of the Federal State Cooperative Program for Population Estimates. The Center for Population Research and Census at Portland State University is the cooperating agency in Oregon, and the Forecasting Division in the Office of Financial Management is the cooperating agency in Washington.

Comparisons and Trends

A brief analysis of trends in the indicators for each state serves as a guide to interpreting the more detailed changes evident in tables 1 and 2. A more comprehensive analysis of trends in these indicators, as well as several other important social and economic indicators, is available in a number of other publications (Christensen and others, in press; McGinnis and others 1996, 1997; Raettig and Christensen, in press). Included in these publications are analyses of social and economic indicators at the county level for some or all Oregon and Washington counties. The analyses cover at least a portion of the period displayed in tables 1 and 2.

Total Covered Employment

Total covered employment grew rapidly in Oregon and Washington between 1987 and 1997 (figs. 1 and 2). The increases were 42 percent in Oregon and 38 percent in Washington, with a compound average annual rate of growth exceeding 3 percent for the period in both states. The rate of employment growth in the national economy for the same period was only 1.4 percent (Office of the President 1998). Total covered employment generally increased throughout the period, though there was a slowing of the rate of growth (and a very small decline in Oregon between 1990 and 1991) coinciding with a period of recession in the national economy in the early 1990s.

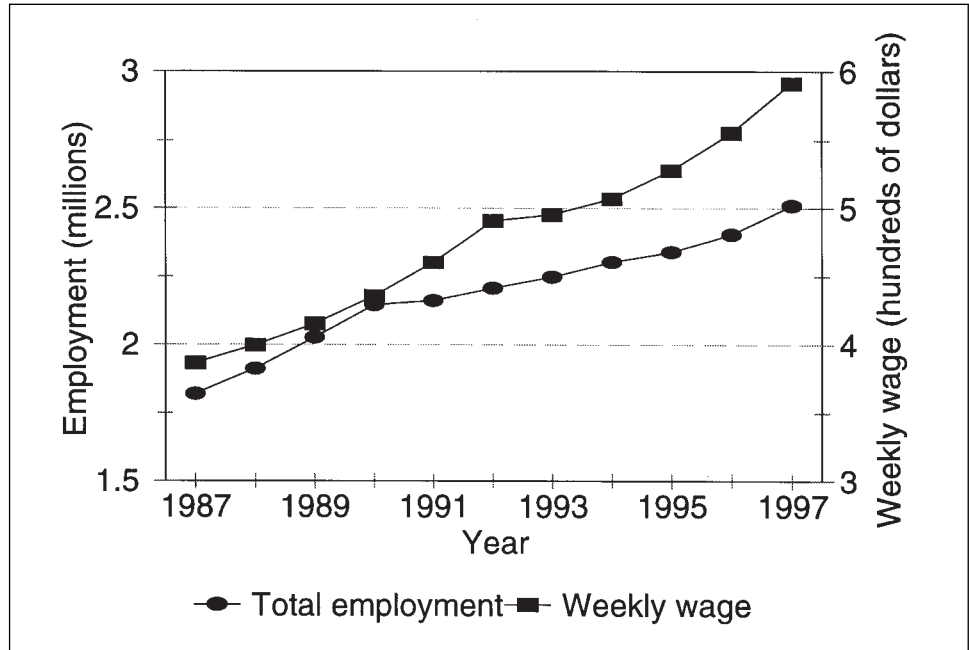


Figure 1—Total covered employment and average weekly wages, Washington, 1987 through 1997.

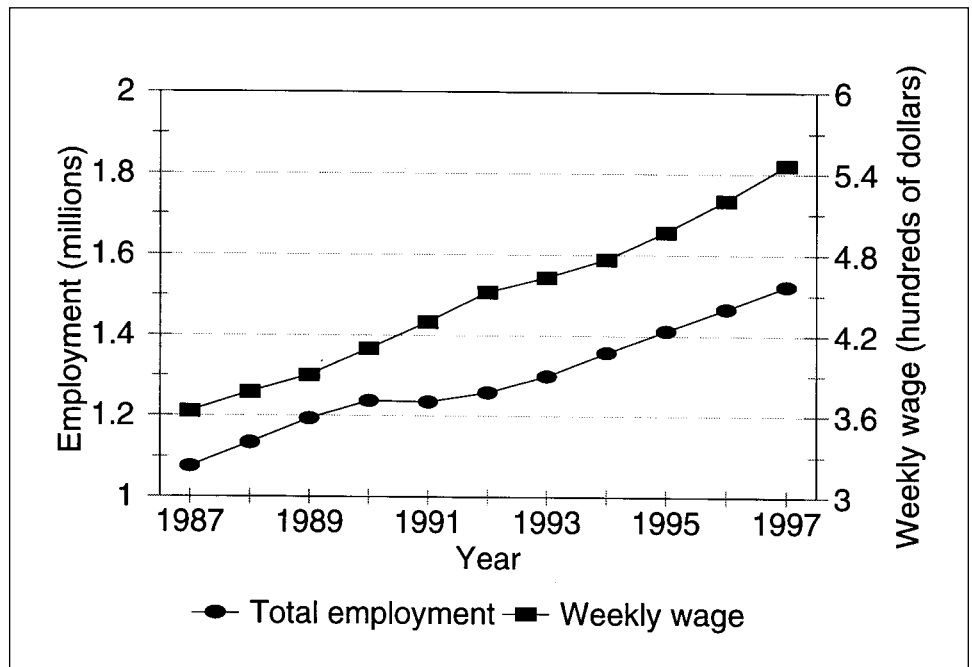


Figure 2—Total covered employment and average weekly wages, Oregon, 1987 through 1997.

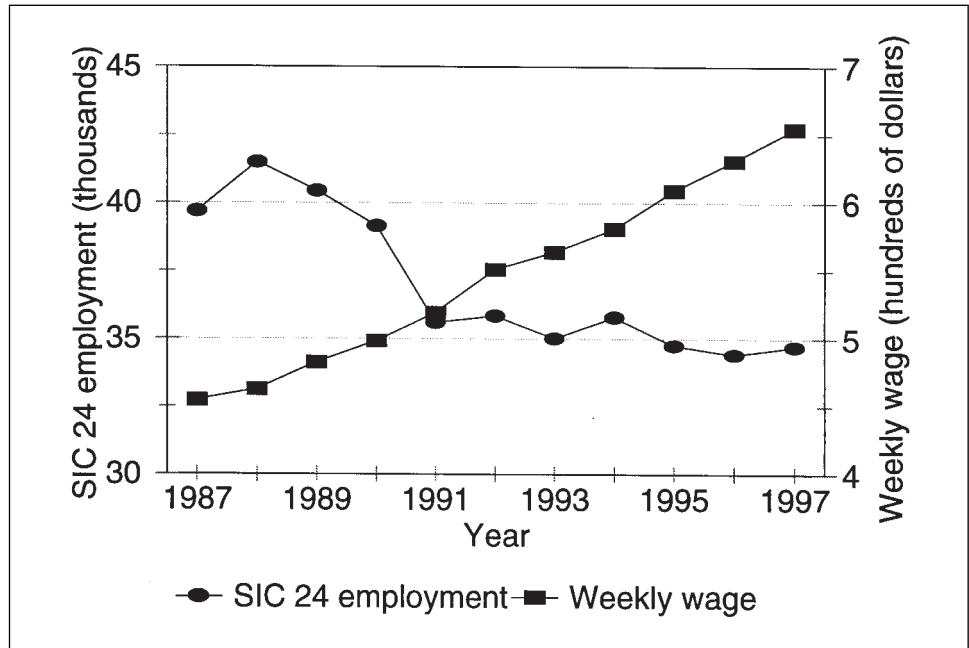


Figure 3—SIC 24 covered employment and average weekly wages, Washington, 1987 through 1997.

A wide variation in the rate of change in covered employment occurred within each state. In Oregon, between 1987 and 1997 covered employment grew by 77 percent in Deschutes County and decreased by 1 percent in Lake County. Similar variations in the change in total employment were evident in Washington.

Wages for Total Covered Employment

Average weekly wages paid to employees included in total covered employment also grew rapidly in both Oregon and Washington between 1987 and 1997 (figs. 1 and 2). The increases for the period totaled 50 percent in Oregon and 53 percent in Washington. The compound average annual rate of increase exceeded 4 percent for the period in both states and was greater than the rate of increase in employment. The total of wage growth in the private nonagricultural industries in the national economy for the same period was only 36 percent, a compound annual increase rate of just over 3 percent (Office of the President 1998). Wages paid to covered employees increased throughout the period, with the smallest increase occurring between 1992 and 1993 in both states.

Lumber and Wood Products Employment

In contrast to the large gains in total covered employment, covered employment in the lumber and wood products sector (SIC 24) decreased between 1987 and 1997 in both Oregon and Washington; this coincided with a reduction in the volume of timber harvested in the region (Warren 1998). The total decreases in employment for the period were 23 percent in Oregon and 13 percent in Washington. Analysis of the trends shows (figs. 3 and 4) a peak of employment in covered lumber and wood products employment in 1988 followed by a sharp decline through 1991 and stabilization or only small decreases between 1992 and 1997.

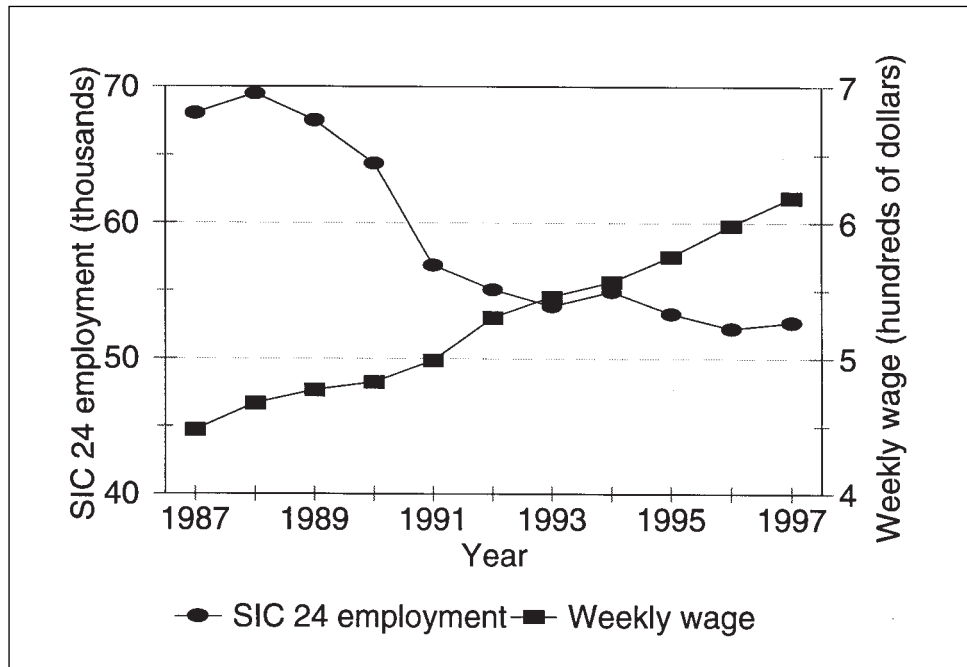


Figure 4—SIC 24 covered employment and average weekly wages, Oregon, 1987 through 1997.

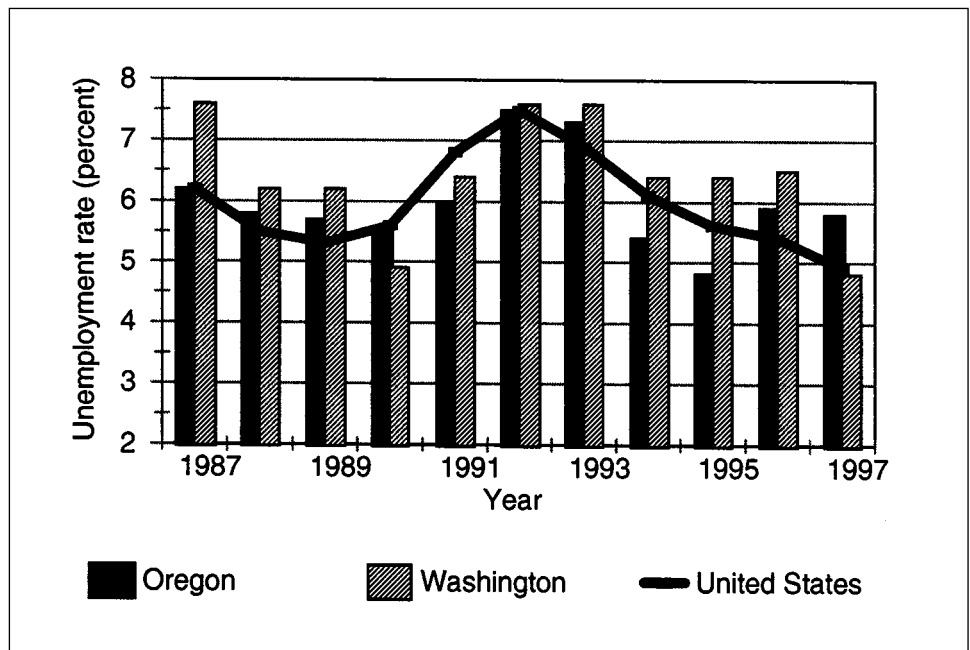


Figure 5—Unemployment rate for the United States and Oregon and Washington, 1987 through 1997.

Wages for Lumber and Wood Products Employment

While employment in the lumber and wood products sector decreased, average weekly wages paid to employees included in covered lumber and wood products employment grew in both Oregon and Washington between 1987 and 1997 (figs. 2 and 4). The increases for the period totaled 38 percent in Oregon and 44 percent in Washington. The compound average annual rate of increase was about 3.5 percent in both states. The rate of increase in average weekly wages for the lumber and wood products sector exceeded the rate of growth in weekly wages for all private nonagricultural industries in the national economy for the same period (Office of the President 1998), but it was a slower rate of increase in wages than the increase for total covered employment in both states as a whole. Average weekly wages paid to covered employees in the lumber and wood products sector have been, and continue to be, higher than the average weekly wage for all covered employees in the two states. Wages paid to covered lumber and wood products employees increased throughout the period, with the largest relative increase occurring in the period immediately after the greatest drop in covered lumber and wood products employment.

Unemployment

The unemployment rate³ for both Oregon and Washington was between 4 and 8 percent for 1987 to 1997 (fig. 5), reflecting both national and local economic conditions. Except for 1990 and 1997, the unemployment rate in Washington was slightly higher than that in Oregon. Annual unemployment rates in the Pacific Northwest were close to those for the Nation as a whole, but the rate in Washington tended to be somewhat higher than the national rate in most years.

Population

The total population of Oregon and Washington increased from 1987 to 1997 (fig. 6). The total increases in population were 20 percent in Oregon and 24 percent in Washington, with an average annual rate of increase in both states of about 2 percent (fig. 7). This rate of population growth was twice the 1-percent rate of population growth for the Nation as a whole. As for all the indicators examined in this analysis, there were important local differences when county level data were considered (tables 1 and 2).

Future Updates

Future updates for these variables by county for Oregon and Washington will be published by the Pacific Northwest Research Station once per year in the Resource Bulletin series, "Production, Prices, Employment, and Trade in the Northwest Forest Industries."

³The unemployment rate is calculated by dividing the number of unemployed persons by the civilian labor force for a given period. Unemployment is seasonal in many industries and monthly unemployment rates are often "seasonally adjusted" to permit comparison. The unemployment rate is expressed as a percentage.

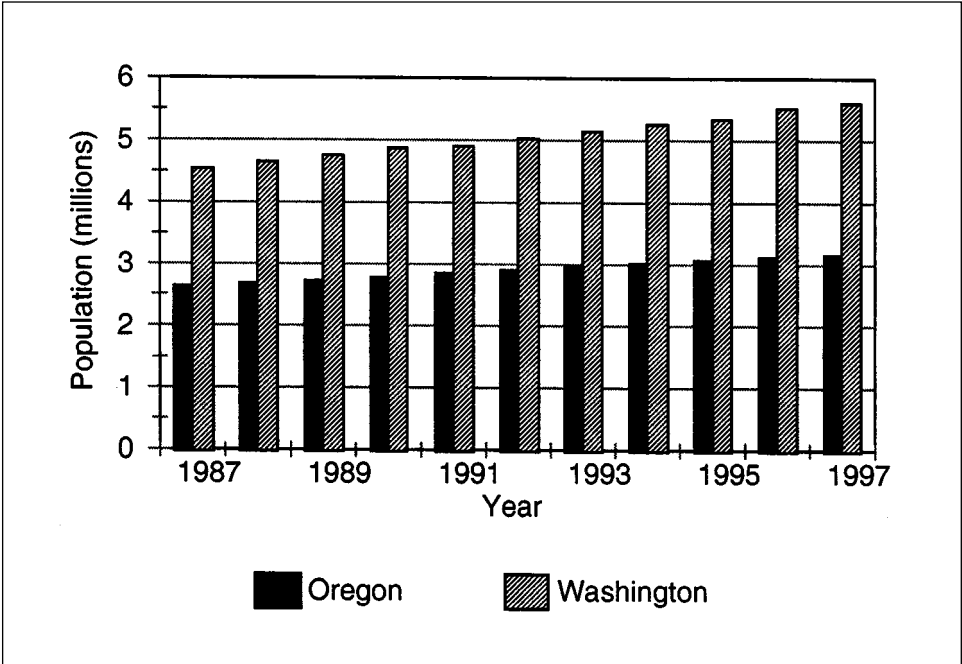


Figure 6—Population for Oregon and Washington, 1987 through 1997.

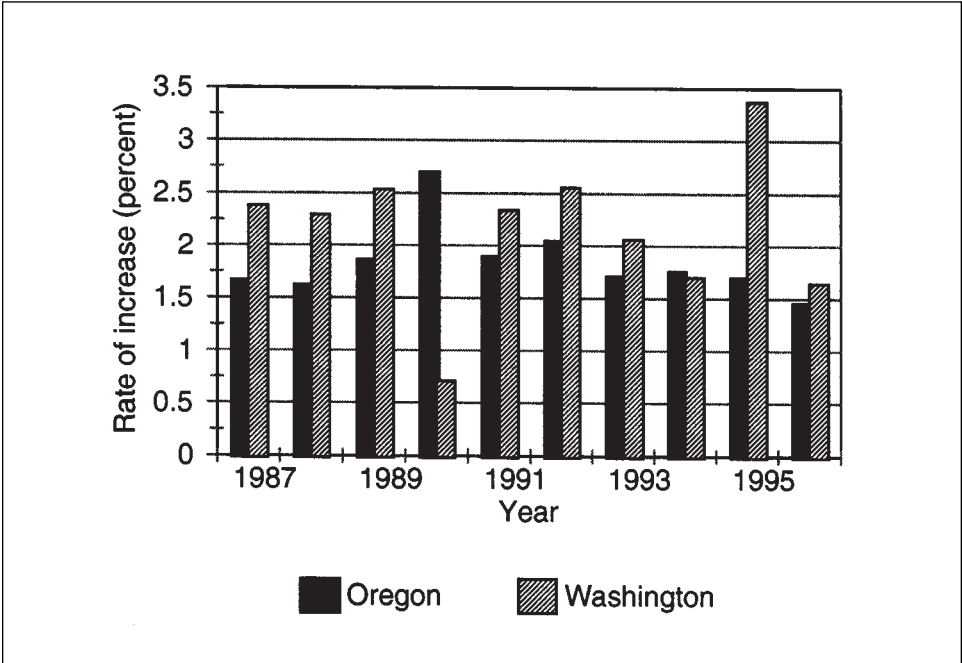


Figure 7—Rate of population growth for Oregon and Washington between 1987 through 1997 (the rate of increase is for the period ending in the indicated years).

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
Baker:						
1987	3,965	434	286.54	355.69	9.6	15,130
1988	4,138	412	295.34	384.13	8.6	14,994
1989	4,389	435	302.64	384.61	8.1	14,890
1990	4,623	469	319.60	398.91	7.4	15,317
1991	4,565	448	337.98	415.66	7.6	15,522
1992	4,649	468	366.76	437.54	9.7	15,744
1993	4,797	412	372.32	456.86	9.7	16,017
1994	4,923	422	382.82	441.72	8.0	16,214
1995	4,907	451	385.30	431.60	8.1	16,431
1996	4,903	342	397.33	450.17	11.5	16,352
1997	5,102	347	410.85	448.03	10.3	16,418
Benton:						
1987	24,397	1,397	373.89	446.02	3.7	67,590
1988	25,921	1,510	384.78	460.59	3.6	67,876
1989	26,962	1,496	401.40	509.89	3.5	69,879
1990	27,433	1,392	417.24	476.87	5.0	70,811
1991	27,084	1,175	436.79	466.16	4.0	71,147
1992	27,671	1,133	462.16	502.34	4.1	71,926
1993	29,136	1,093	485.48	531.47	3.4	72,986
1994	30,580	1,126	510.09	531.81	2.6	74,151
1995	32,353	1,011	535.71	545.82	2.2	74,913
1996	34,185	1,049	562.76	565.84	2.7	75,910
1997	35,651	1,072	595.61	596.22	2.5	76,544
Clackamas:						
1987	73,781	2,199	362.47	451.91	4.3	258,603
1988	79,410	2,213	372.71	477.36	3.8	260,753
1989	86,915	2,223	383.08	474.02	3.6	272,546
1990	92,268	2,064	405.90	468.20	3.4	278,850
1991	94,180	1,826	423.68	453.03	4.0	289,112
1992	96,142	1,708	446.51	484.74	5.5	297,096
1993	101,203	1,512	461.54	482.30	5.4	304,056
1994	106,817	1,435	480.20	511.17	3.7	310,271
1995	111,058	1,491	494.34	497.74	3.2	316,268
1996	114,505	1,482	524.62	516.12	3.9	324,086
1997	121,779	1,662	551.52	528.99	4.0	331,106
Clatsop:						
1987	12,067	761	331.90	442.54	6.6	32,122
1988	12,848	789	349.87	438.51	5.8	32,417
1989	13,917	816	366.32	452.49	6.4	33,040
1990	13,699	783	370.89	431.44	7.0	33,301
1991	13,262	523	382.65	478.66	7.1	33,809
1992	13,587	515	400.06	534.94	8.5	34,220
1993	13,734	530	396.92	537.44	8.6	34,608

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
1994	14,971	551	400.26	538.19	6.3	35,125
1995	14,616	541	411.22	560.33	5.0	35,393
1996	14,870	533	422.23	576.91	6.3	35,306
1997	15,498	534	429.62	595.65	6.8	35,546
Columbia:						
1987	8,035	1,166	403.06	413.47	8.2	35,954
1988	8,537	1,172	404.79	440.61	7.6	36,228
1989	9,081	1,232	432.06	455.90	7.3	36,708
1990	9,417	1,054	457.68	458.15	6.4	37,557
1991	9,712	942	500.53	474.67	6.6	38,711
1992	9,363	787	495.79	526.08	9.3	39,266
1993	8,740	769	477.34	533.94	9.6	40,106
1994	8,665	781	461.92	568.45	6.5	40,770
1995	8,913	874	492.60	578.74	4.8	41,701
1996	9,264	821	492.57	578.62	6.1	42,880
1997	9,496	791	506.39	632.58	6.1	43,751
Coos:						
1987	19,234	3,391	341.04	443.17	8.2	59,551
1988	19,584	3,045	352.49	480.23	9.2	59,862
1989	19,268	2,545	359.04	461.93	9.8	59,753
1990	19,469	2,311	380.11	492.47	8.3	60,273
1991	19,405	1,826	386.15	480.03	8.8	60,889
1992	19,423	1,830	399.64	512.86	10.9	61,823
1993	19,769	1,782	406.71	524.34	10.8	62,531
1994	20,310	1,718	411.10	556.83	8.6	62,710
1995	20,648	1,697	424.45	570.31	7.4	62,838
1996	21,162	1,718	431.15	589.45	9.2	62,663
1997	21,151	1,770	446.01	589.97	9.6	62,531
Crook:						
1987	4,477	1,751	345.90	399.23	7.5	13,183
1988	4,671	1,807	367.57	440.44	7.2	13,356
1989	4,965	1,938	381.56	466.25	7.2	13,664
1990	5,149	1,921	392.21	455.19	7.0	14,111
1991	5,197	1,807	403.90	460.53	7.8	14,705
1992	5,753	2,113	442.89	495.17	8.5	15,105
1993	5,732	1,896	441.17	509.33	9.7	15,597
1994	6,013	1,986	441.34	488.41	7.5	15,951
1995	5,851	1,764	442.88	491.38	7.8	16,349
1996	5,701	1,512	468.03	549.71	11.6	16,650
1997	5,889	1,495	469.52	547.64	10.1	16,958
Curry:						
1987	4,922	1,063	291.59	406.44	6.2	17,454
1988	5,191	1,089	299.62	429.20	5.9	18,269
1989	5,445	929	303.37	474.92	6.4	18,810

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	---Number of people---		---Dollars per week---		Percent	Number of people
1990	5,525	727	314.03	494.79	6.4	19,327
1991	5,549	681	323.41	494.48	6.6	19,664
1992	5,374	631	342.78	549.67	9.1	19,896
1993	5,478	632	346.11	534.60	9.1	20,390
1994	5,765	630	352.91	557.35	7.8	20,735
1995	5,792	630	367.38	568.58	7.5	21,068
1996	5,874	632	371.00	572.47	9.6	21,132
1997	5,965	653	384.78	606.78	9.4	21,283
Deschutes:						
1987	24,646	3,171	314.63	384.52	7.8	66,862
1988	26,304	3,207	327.70	384.03	7.5	68,882
1989	29,336	3,428	338.44	398.34	6.8	71,415
1990	31,811	3,410	358.14	418.60	5.5	74,976
1991	32,594	3,257	374.12	441.01	6.4	80,312
1992	33,321	3,075	388.46	456.38	8.2	83,934
1993	35,368	2,904	400.39	477.67	8.7	87,664
1994	37,818	2,756	411.38	486.72	7.2	90,878
1995	39,783	2,503	418.67	519.35	6.6	94,829
1996	41,431	2,179	432.36	554.28	8.5	98,501
1997	43,625	2,185	444.15	510.57	8.1	101,367
Douglas:						
1987	31,762	8,908	356.12	480.13	7.6	92,504
1988	32,605	8,934	369.12	512.48	7.7	92,601
1989	33,229	8,228	364.37	491.03	7.8	93,367
1990	33,640	8,428	381.25	488.99	8.2	94,649
1991	31,702	6,892	393.21	502.37	10.0	95,804
1992	31,456	6,043	414.87	554.67	11.9	96,332
1993	31,893	5,954	415.21	549.18	11.8	97,302
1994	32,915	6,040	426.94	561.99	9.1	98,268
1995	33,871	6,064	437.76	581.36	8.0	99,640
1996	34,760	6,106	454.37	606.29	8.9	100,726
1997	36,606	6,311	467.78	624.02	8.8	101,818
Gilliam:						
1987	375	0	324.28	0	6.7	1,707
1988	381	0	327.19	0	4.5	1,670
1989	440	0	334.56	0	4.1	1,690
1990	512	0	329.91	0	3.3	1,717
1991	462	0	356.24	0	2.8	1,723
1992	600	0	419.27	0	4.5	1,764
1993	603	0	422.87	0	5.3	1,771
1994	650	0	418.67	0	3.6	1,875
1995	706	0	423.31	0	3.6	1,879
1996	748	0	436.49	0	4.1	1,952
1997	764	0	443.83	0	5.6	1,955

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	---Number of people---		---Dollars per week---		Percent	Number of people
Grant:						
1987	2,400	474	322.40	478.95	9.2	8,174
1988	2,573	615	338.61	480.30	9.4	8,102
1989	2,591	511	330.84	471.88	8.8	7,842
1990	2,742	537	349.15	473.56	8.8	7,853
1991	2,811	633	369.10	488.30	9.8	7,976
1992	2,913	606	372.13	478.48	10.7	7,842
1993	2,853	519	387.14	516.48	12.2	7,901
1994	2,821	523	404.90	507.12	9.5	7,920
1995	2,783	460	406.18	544.09	10.3	7,977
1996	2,808	438	419.89	571.82	12.0	7,999
1997	2,774	407	424.36	582.95	13.6	8,002
Harney:						
1987	2,358	528	332.12	534.74	7.8	7,116
1988	2,564	663	331.12	492.87	7.7	7,334
1989	2,399	516	316.82	430.91	11.0	7,077
1990	2,466	567	341.61	452.76	8.9	7,060
1991	2,444	515	354.23	457.62	7.8	6,997
1992	2,421	457	368.49	481.33	9.9	6,950
1993	2,467	464	380.04	506.92	12.1	6,975
1994	2,487	445	391.49	519.02	10.1	7,117
1995	2,341	296	384.65	513.30	11.3	7,102
1996	2,432	230	388.92	503.54	13.0	7,044
1997	2,589	199	401.44	550.28	10.1	7,033
Hood River:						
1987	6,845	542	285.04	433.78	8.9	16,069
1988	7,254	607	295.33	479.52	8.6	16,567
1989	7,702	532	297.84	500.44	8.2	16,839
1990	8,328	557	314.15	482.33	8.1	16,903
1991	8,379	550	335.75	485.33	8.9	17,010
1992	8,233	517	344.67	518.14	10.3	17,479
1993	8,696	494	347.25	540.95	10.6	17,944
1994	9,113	479	354.54	555.38	7.9	18,363
1995	9,455	389	355.44	530.36	8.3	18,886
1996	9,410	340	367.52	517.49	10.7	19,360
1997	9,887	276	378.49	539.58	11.3	19,618
Jackson:						
1987	48,086	5,817	334.58	467.56	6.4	139,626
1988	50,537	6,023	343.85	479.34	6.5	140,860
1989	52,056	5,743	350.49	478.56	6.7	143,549
1990	54,220	5,225	363.64	490.00	6.6	146,387
1991	53,893	4,515	375.58	498.13	7.5	150,531
1992	55,719	5,039	395.67	514.30	8.3	154,193
1993	57,655	4,804	403.55	542.51	8.6	157,909
1994	61,336	5,040	414.15	559.02	6.7	162,004
1995	62,780	4,909	425.27	549.53	6.6	165,455
1996	64,847	4,785	436.14	574.41	8.2	168,392
1997	67,813	4,529	448.48	591.93	7.6	170,960

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
Jefferson:						
1987	4,284	881	320.65	457.11	6.5	12,604
1988	4,751	944	324.05	465.52	6.3	12,768
1989	4,972	1,001	336.42	487.21	6.0	13,239
1990	4,882	929	357.66	526.06	6.4	13,676
1991	4,999	980	373.33	534.84	6.9	14,195
1992	5,336	1,028	423.45	544.97	8.5	14,584
1993	5,574	1,071	434.97	578.85	9.0	14,921
1994	5,789	1,245	420.39	606.08	6.5	15,624
1995	6,154	1,397	426.51	574.38	6.0	16,090
1996	6,235	1,389	442.37	593.58	7.7	16,249
1997	6,366	1,388	442.99	573.39	6.6	16,587
Josephine:						
1987	16,679	2,320	296.04	424.85	7.3	61,238
1988	17,328	2,329	309.29	443.62	7.1	61,721
1989	18,177	2,187	315.15	444.84	7.8	61,865
1990	18,125	1,969	330.28	436.93	7.1	62,649
1991	17,394	1,598	340.51	441.39	8.1	64,526
1992	17,727	1,517	352.77	486.96	9.9	65,423
1993	18,494	1,505	358.21	476.62	10.8	67,389
1994	19,244	1,484	365.97	464.33	9.1	69,276
1995	19,502	1,412	379.76	487.18	8.4	71,210
1996	19,769	1,324	397.97	507.47	9.9	72,234
1997	20,516	1,408	412.90	519.74	9.4	73,459
Klamath:						
1987	18,564	3,604	324.91	481.08	8.3	56,275
1988	19,052	3,592	337.07	505.55	8.5	56,585
1989	20,138	3,743	342.36	497.28	7.8	56,888
1990	20,164	3,517	357.22	489.64	9.1	57,702
1991	19,441	3,014	378.57	537.31	9.0	58,308
1992	21,029	2,736	393.03	577.99	10.2	58,748
1993	20,340	2,808	411.34	568.69	10.9	59,679
1994	20,768	2,814	411.34	589.40	8.6	60,647
1995	21,635	2,740	425.49	631.07	7.4	61,301
1996	22,494	2,734	444.98	696.17	8.7	62,298
1997	22,573	2,811	454.93	657.40	9.6	63,009
Lake:						
1987	2,536	569	332.88	428.69	8.4	7,446
1988	2,544	548	336.49	415.13	8.6	7,382
1989	2,559	528	334.92	415.02	9.5	7,275
1990	2,423	389	348.81	447.19	8.9	7,186
1991	2,423	400	346.66	413.94	7.8	7,132
1992	2,460	460	376.12	443.79	8.8	7,244
1993	2,514	540	369.89	398.92	9.6	7,239
1994	2,545	600	390.94	404.93	8.4	7,331
1995	2,448	497	392.26	437.90	8.6	7,347

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment <i>Percent</i>	Population <i>Number of people</i>
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>			
1996	2,450	446	391.39	415.70	11.8	7,325
1997	2,506	525	416.38	445.99	11.7	7,327
Lane:						
1987	100,931	11,159	339.36	457.77	5.7	268,636
1988	105,610	11,489	354.07	476.38	5.6	273,014
1989	111,141	11,319	363.33	493.24	5.5	278,665
1990	113,376	10,229	376.54	495.36	6.2	282,912
1991	110,754	8,609	395.91	539.73	6.6	287,589
1992	112,123	8,387	414.69	554.98	7.3	290,873
1993	115,199	7,877	424.97	566.22	7.6	294,962
1994	122,031	7,960	432.91	577.04	5.4	298,775
1995	125,165	7,557	446.58	595.56	5.3	302,954
1996	128,251	7,435	465.11	618.95	5.8	306,529
1997	131,712	7,347	483.01	637.97	5.7	311,356
Lincoln:						
1987	12,576	499	291.89	374.23	6.7	36,591
1988	13,164	514	301.15	388.72	6.2	36,970
1989	13,541	499	311.53	405.34	6.0	38,031
1990	14,075	482	322.25	414.24	6.0	38,889
1991	14,334	498	340.53	432.81	5.8	39,931
1992	14,920	487	353.85	459.86	7.2	40,830
1993	15,280	402	359.34	504.84	7.6	42,051
1994	15,743	400	369.50	469.48	6.1	43,148
1995	15,985	280	383.97	466.68	7.1	44,226
1996	16,683	245	395.67	463.87	7.5	44,876
1997	16,775	195	404.32	482.12	8.7	45,587
Linn:						
1987	29,041	4,669	370.34	440.80	8.2	88,069
1988	30,894	4,796	380.82	456.38	7.9	89,223
1989	32,573	4,280	385.45	469.51	7.5	89,890
1990	32,977	4,127	400.29	483.57	7.6	91,227
1991	32,689	3,637	421.32	501.44	8.1	93,390
1992	32,764	3,533	442.85	552.06	9.7	94,570
1993	33,883	3,418	450.31	564.61	9.6	96,145
1994	35,993	3,606	465.41	579.71	7.0	97,769
1995	38,381	3,642	474.53	590.48	6.1	99,961
1996	40,235	3,881	492.48	606.24	7.0	101,908
1997	41,297	4,018	514.29	634.57	7.3	103,440
Malheur:						
1987	9,973	0	263.18	0	7.7	26,580
1988	10,207	0	266.39	0	7.2	26,207
1989	10,450	0	279.40	0	7.3	25,926
1990	10,932	0	294.73	0	5.0	26,038
1991	11,229	0	308.99	0	6.4	26,534
1992	11,441	0	321.51	0	8.4	27,102
1993	11,873	0	321.27	0	8.9	27,412

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment <i>Percent</i>	Population <i>Number of people</i>
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>			
1994	12,112	0	336.41	0	6.9	27,572
1995	12,522	0	354.39	0	6.6	27,972
1996	12,877	0	358.08	0	8.7	28,294
1997	13,203	8	374.21	283.90	8.6	28,504
Marion:						
1987	88,162	2,270	322.24	458.81	6.3	216,285
1988	93,377	2,848	332.45	422.99	5.9	225,091
1989	97,369	3,104	349.71	469.56	5.8	224,980
1990	101,068	3,219	373.33	482.34	5.4	228,483
1991	101,962	3,204	394.26	485.63	5.6	234,772
1992	105,090	3,217	411.78	519.40	6.9	240,236
1993	109,223	3,457	419.65	523.90	7.3	246,376
1994	114,017	3,822	436.50	542.72	5.5	251,037
1995	116,830	3,863	450.14	556.38	4.8	256,058
1996	120,427	3,658	462.64	584.50	5.9	260,591
1997	122,508	3,657	480.64	588.97	6.0	265,123
Morrow:						
1987	2,989	216	325.95	459.37	14.0	8,096
1988	2,856	250	336.19	473.48	11.4	7,768
1989	2,646	253	355.21	518.23	12.5	7,684
1990	2,791	240	368.76	520.52	8.1	7,625
1991	2,808	223	387.28	478.60	9.2	8,016
1992	2,799	201	422.82	560.42	10.6	8,184
1993	2,922	201	431.40	571.83	10.5	8,592
1994	3,014	164	460.36	747.83	8.3	8,738
1995	3,091	152	502.37	615.89	7.3	9,014
1996	3,153	211	446.45	559.47	9.3	9,246
1997	3,524	294	483.83	622.17	8.5	9,631
Multnomah:						
1987	338,246	2,504	405.38	510.91	6.4	563,560
1988	354,998	2,378	423.52	512.48	5.9	573,023
1989	369,019	2,406	439.97	607.01	5.6	576,816
1990	375,768	2,248	460.75	618.15	4.9	583,887
1991	369,348	1,961	485.18	644.16	5.2	595,492
1992	373,059	1,640	511.64	661.44	7.0	601,688
1993	381,842	1,726	524.96	810.40	6.6	608,691
1994	396,726	1,813	536.60	739.38	4.9	611,734
1995	415,113	1,760	557.73	964.74	4.1	615,118
1996	425,566	1,835	589.10	726.80	5.2	621,194
1997	440,077	1,881	620.87	1,119.92	4.9	624,619
Polk:						
1987	9,474	1,171	311.53	409.24	5.5	46,752
1988	9,728	1,130	325.17	433.35	5.5	47,648
1989	10,194	884	331.04	462.00	6.2	48,620
1990	10,786	889	329.21	450.00	5.6	49,541
1991	10,858	771	343.84	454.19	5.3	51,395

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
1992	11,294	725	352.29	497.66	6.0	52,928
1993	11,561	708	367.49	504.37	6.2	54,117
1994	12,140	696	379.32	531.01	4.6	56,044
1995	12,922	756	390.14	558.71	3.9	57,143
1996	14,051	749	406.27	574.82	4.8	58,454
1997	14,639	729	429.33	564.48	5.0	60,130
Sherman:						
1987	422	0	321.56	0	11.1	1,952
1988	435	0	336.18	0	9.0	1,941
1989	448	0	353.69	0	6.7	1,932
1990	544	0	329.09	0	5.5	1,918
1991	546	0	333.83	0	7.0	1,905
1992	588	0	348.02	0	9.0	1,904
1993	579	0	353.99	0	10.6	1,917
1994	580	0	376.79	0	6.3	1,880
1995	563	0	380.55	0	6.7	1,891
1996	633	0	344.28	0	7.7	1,818
1997	649	0	377.18	0	5.7	1,801
Tillamook:						
1987	5,511	421	277.60	344.01	8.2	21,102
1988	5,657	475	293.37	383.69	7.1	21,163
1989	5,812	423	301.70	410.57	6.8	21,356
1990	6,146	389	309.65	454.62	5.9	21,570
1991	6,483	410	320.88	471.35	6.0	21,999
1992	6,504	434	341.20	501.41	6.8	22,296
1993	6,640	491	353.73	491.62	6.4	22,806
1994	7,069	516	363.74	542.97	4.8	23,177
1995	7,319	536	374.69	529.74	5.0	23,676
1996	7,637	498	385.52	587.02	6.0	24,094
1997	7,672	518	404.14	621.69	6.5	24,384
Umatilla:						
1987	19,603	555	290.11	378.50	9.5	59,115
1988	20,162	636	300.35	396.39	8.7	58,531
1989	20,327	704	316.61	391.61	9.7	59,092
1990	21,448	863	328.13	432.38	8.3	59,249
1991	21,743	858	340.50	441.29	8.2	60,120
1992	22,019	866	358.36	500.54	9.0	61,251
1993	22,892	934	370.75	507.73	9.0	62,333
1994	23,817	975	380.17	510.13	7.1	63,205
1995	24,245	867	394.57	535.66	6.9	64,096
1996	24,654	830	403.94	538.70	8.4	64,508
1997	25,546	812	423.83	534.19	8.2	64,754

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
Union:						
1987	7,543	1,311	315.27	451.35	7.9	23,110
1988	7,808	1,270	322.58	472.61	7.8	23,264
1989	8,138	1,289	326.37	474.56	7.5	23,372
1990	8,300	1,254	341.84	498.04	7.0	23,598
1991	8,103	1,200	361.34	509.78	6.9	23,963
1992	8,153	1,182	383.17	549.24	8.3	24,108
1993	8,527	1,112	384.93	576.39	7.8	24,688
1994	8,750	1,071	390.90	607.33	6.3	24,969
1995	8,901	1,038	390.98	598.55	6.3	24,982
1996	8,949	1,028	400.94	614.61	7.8	24,985
1997	9,100	979	420.43	646.35	8.0	25,071
Wallowa:						
1987	1,869	0	295.08	0	7.6	6,825
1988	1,934	280	297.87	420.36	9.5	6,767
1989	2,122	363	307.09	459.35	7.5	6,818
1990	2,216	408	328.50	450.30	7.6	6,911
1991	2,251	399	344.61	451.66	8.3	7,135
1992	2,282	365	365.55	490.35	10.1	7,248
1993	2,294	330	361.91	483.22	10.4	7,434
1994	2,234	275	378.39	532.30	9.4	7,458
1995	2,119	166	378.55	526.57	10.5	7,477
1996	2,174	200	394.52	524.27	11.7	7,456
1997	2,260	224	404.40	560.39	10.7	7,413
Wasco:						
1987	7,249	322	294.98	464.04	9.0	20,941
1988	7,622	340	315.20	453.61	7.8	21,005
1989	7,801	327	347.09	467.84	8.3	21,439
1990	8,096	307	342.60	480.19	6.9	21,683
1991	8,105	276	354.04	509.01	7.2	22,158
1992	8,520	234	356.81	477.42	9.1	22,363
1993	8,696	212	365.34	489.22	9.3	22,355
1994	8,896	225	376.41	451.80	7.3	22,712
1995	8,971	240	391.69	455.31	7.0	22,910
1996	8,986	174	402.52	499.03	8.8	23,057
1997	9,192	176	428.33	545.57	9.1	23,252
Washington:						
1987	108,959	1,501	398.52	413.20	3.9	282,252
1988	117,964	1,782	417.82	438.07	3.3	292,467
1989	127,579	1,888	432.17	450.94	3.0	300,230
1990	139,131	1,994	465.37	480.49	3.4	311,554
1991	144,255	1,907	487.05	489.42	4.3	327,852
1992	146,974	1,792	522.32	542.64	5.9	339,159
1993	155,061	1,892	533.23	556.85	5.2	350,212
1994	163,724	1,950	554.81	548.41	3.7	360,332
1995	173,238	1,878	598.54	541.42	3.1	371,404

Table 1—Employment, wages, unemployment, and population for Oregon, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
1996	189,120	1,994	630.59	712.10	3.8	382,363
1997	202,209	1,966	671.23	609.75	3.9	391,335
Wheeler:						
1987	209	0	319.62	0	10.5	1,378
1988	228	0	313.20	0	11.5	1,336
1989	241	0	288.62	0	9.8	1,382
1990	272	14	283.22	332.08	10.2	1,396
1991	220	9	300.81	333.39	13.2	1,438
1992	241	6	295.99	272.10	9.6	1,436
1993	231	3	314.86	399.76	13.0	1,498
1994	233	6	339.25	452.67	10.9	1,569
1995	279	17	325.99	567.61	7.3	1,564
1996	286	23	358.01	691.21	9.7	1,645
1997	289	12	354.39	645.09	10.9	1,603
Yamhill:						
1987	17,878	1,708	330.36	421.08	5.9	60,544
1988	19,170	1,640	337.35	436.73	5.4	62,152
1989	20,211	1,621	348.03	458.23	5.6	64,010
1990	21,035	1,299	366.18	469.43	5.3	65,551
1991	21,224	1,208	386.98	490.07	5.2	67,745
1992	22,116	1,199	402.19	528.48	6.8	69,453
1993	23,348	1,220	410.06	552.40	5.9	71,214
1994	24,824	1,250	424.25	584.24	4.4	73,286
1995	25,573	1,291	443.73	600.65	3.9	75,855
1996	27,002	1,262	453.40	595.22	4.8	78,236
1997	27,791	1,290	468.69	599.57	5.0	80,212
Totals, Oregon:						
1987	1,075,609	68,050	363.17	447.41	6.2	2,633,303
1988	1,134,102	69,494	377.63	466.64	5.8	2,677,144
1989	1,192,967	67,532	390.20	476.59	5.7	2,720,520
1990	1,236,243	64,371	410.02	482.37	5.5	2,771,113
1991	1,234,127	56,889	429.86	498.55	6.0	2,845,954
1992	1,257,679	55,064	452.25	529.84	7.5	2,899,907
1993	1,298,521	53,816	463.29	545.14	7.3	2,959,316
1994	1,357,050	54,892	476.71	556.19	5.4	3,009,879
1995	1,411,687	53,254	496.87	575.42	4.8	3,062,925
1996	1,466,126	52,183	520.12	598.14	5.9	3,114,802
1997	1,522,053	52,641	546.29	618.19	5.8	3,160,105

Sources: 1987-97 Oregon Employment Department, Oregon Covered Employment and Payrolls by Industry and County for Covered Employment and Wage for covered employment and weekly wages data. Oregon Employment Department and Bureau of Labor Statistics for unemployment rates. U.S. Department of Commerce, Bureau of the Census, current population estimates (1990) for population.

Table 2—Employment, wages, unemployment, and population for Washington, by county and year

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
Adams:						
1987	4,729	0	268.54		11.7	13,599
1988	4,793	D	263.19		11.1	13,476
1989	5,024	0	274.86		12.0	13,575
1990	6,142	0	273.08		10.3	13,603
1991	6,209	0	288.08		12.4	14,006
1992	6,220	0	306.57		14.4	14,296
1993	6,452	0	315.41		15.4	14,672
1994	6,722	0	317.02		11.5	15,296
1995	7,197	D	339.69		11.4	15,310
1996	7,037	D	344.66		12.0	15,400
1997	7,226	D	347.23		10.2	15,541
Asotin:						
1987	3,030	127	260.29	461.28	7.9	17,128
1988	3,352	134	273.29	649.04	5.7	17,095
1989	3,481	126	279.44	485.36	5.1	17,324
1990	3,638	122	286.89	495.66	5.0	17,605
1991	3,700	D	314.54		5.0	18,020
1992	3,924	148	322.53	512.96	5.4	18,536
1993	4,286	144	327.94	524.85	5.3	19,063
1994	4,431	141	347.49	515.13	3.6	19,731
1995	4,421	140	366.03	513.35	4.3	20,287
1996	4,504	D	377.53		4.6	20,815
1997	4,753	D	394.63		3.7	21,171
Benton:						
1987	46,061	11	446.85	247.29	9.0	110,971
1988	44,158	12	456.02	181.04	7.9	110,060
1989	45,448	8	460.13	294.94	7.7	109,284
1990	50,216	8	469.47	292.90	6.1	112,560
1991	51,966	7	496.66	385.14	6.8	116,362
1992	54,973	26	523.45	335.56	7.4	120,244
1993	58,367	D	535.98		7.0	124,491
1994	62,022	D	556.84		5.2	129,730
1995	60,173	D	572.63		7.4	133,587
1996	58,003	28	582.79	378.83	8.5	134,536
1997	59,413	D	588.73		6.6	135,772
Chelan:						
1987	24,733	457	298.47	377.31	10.9	49,636
1988	25,177	428	309.24	374.46	10.1	50,916
1989	26,446	364	320.85	370.44	10.3	51,698
1990	29,757	236	312.13	375.24	8.4	52,250
1991	30,296	172	346.31	351.08	10.4	53,105
1992	30,655	208	351.84	372.34	11.3	54,181
1993	32,166	202	359.13	418.45	10.7	55,204
1994	34,023	208	371.28	427.61	8.4	56,509
1995	33,803	202	382.25	462.49	9.8	58,273

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
1996	33,890	228	405.22	471.24	10.7	59,299
1997	34,714	240	423.05	502.16	7.9	59,717
Clallam:						
1987	15,728	1,870	328.69	433.61	9.6	53,797
1988	16,445	1,772	338.25	424.89	8.2	54,425
1989	17,398	1,562	341.82	440.06	8.5	55,241
1990	17,906	1,411	353.23	438.22	6.9	56,210
1991	18,029	1,129	367.91	456.47	7.7	57,962
1992	18,286	954	386.62	487.69	8.8	59,566
1993	18,337	857	390.09	515.34	9.9	60,745
1994	18,331	763	402.24	526.21	10.1	61,616
1995	18,850	816	414.16	550.39	8.8	62,381
1996	18,605	908	426.37	544.80	9.7	63,355
1997	19,528	961	448.29	560.89	7.9	63,857
Clark:						
1987	63,590	1,614	359.68	400.28	7.9	214,534
1988	70,102	1,757	373.73	389.58	5.7	221,654
1989	73,184	1,789	389.24	431.39	5.9	228,760
1990	77,836	1,564	403.83	420.22	4.5	238,053
1991	78,160	1,438	426.41	435.78	5.1	251,898
1992	81,062	1,425	447.22	482.30	7.0	260,396
1993	85,410	1,505	458.71	476.27	5.8	271,356
1994	91,802	1,499	470.59	472.96	4.2	282,360
1995	96,340	1,270	490.43	480.93	4.1	292,916
1996	100,374	1,189	519.11	518.98	4.4	305,001
1997	105,557	1,216	540.20	531.73	3.6	316,526
Columbia:						
1987	1,363	D	264.34		17.4	4,114
1988	1,425	D	276.93		13.5	4,076
1989	1,360	D	287.36		13.8	4,057
1990	1,559	D	274.68		12.2	4,024
1991	1,384	D	317.59		13.4	3,907
1992	1,443	D	325.32		14.7	3,968
1993	1,563	D	311.37		15.0	4,062
1994	1,571	D	335.95		11.3	4,113
1995	1,176	D	362.26		13.3	4,224
1996	1,488	0	391.88		15.5	4,303
1997	1,528	0	399.27		11.8	4,277
Cowlitz:						
1987	28,914	3,215	401.76	481.28	9.9	78,428
1988	30,476	3,409	414.96	471.43	7.4	79,531
1989	32,213	3,097	425.03	489.86	8.2	80,982
1990	33,970	3,122	440.17	491.34	6.7	82,119
1991	34,669	2,789	465.53	514.40	8.1	84,095
1992	33,122	2,729	476.02	565.74	10.6	85,115

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
1993	33,541	2,505	482.65	581.85	10.9	86,215
1994	34,704	2,512	494.20	607.48	8.2	87,409
1995	36,106	2,604	510.65	624.85	7.5	88,896
1996	36,104	2,556	517.58	617.64	8.6	89,933
1997	36,241	2,544	531.71	630.81	7.1	90,834
Douglas:						
1987	5,711	D	265.13		8.7	24,600
1988	5,984	D	261.41		7.3	25,090
1989	6,875	D	259.35		8.5	25,806
1990	8,334	D	245.94		7.6	26,205
1991	8,303	D	269.07		8.3	27,809
1992	8,091	D	286.00		8.8	28,834
1993	7,950	D	295.12		8.3	30,008
1994	8,379	D	299.69		6.9	31,155
1995	8,261	D	324.55		7.4	32,124
1996	8,416	D	337.55		8.4	32,630
1997	8,485	D	365.98		6.4	33,484
Ferry:						
1987	1,370	D	313.56		10.9	5,852
1988	1,463	D	334.86		11.5	5,998
1989	1,682	D	359.47		11.5	6,159
1990	1,797	D	406.13		11.5	6,295
1991	1,805	D	424.31		12.5	6,531
1992	1,825	D	420.65		14.3	6,724
1993	1,803	190	400.38	443.69	15.5	6,806
1994	1,896	207	424.08	479.68	12.6	6,997
1995	1,836	175	436.28	528.69	13.2	7,157
1996	1,841	200	453.16	541.49	13.6	7,166
1997	1,855	198	464.70	577.17	9.8	7,256
Franklin:						
1987	13,372	D	270.32		11.5	36,576
1988	14,624	D	282.62		10.5	36,690
1989	15,898	D	292.38		12.2	36,833
1990	17,958	D	304.73		10.0	37,473
1991	17,962	D	329.77		11.7	39,339
1992	17,900	37	344.11	462.49	11.6	40,921
1993	18,500	39	359.01	442.82	11.8	42,793
1994	19,221	32	382.46	476.40	8.3	44,135
1995	19,278	46	392.31	384.80	10.0	45,682
1996	19,614	59	397.32	335.30	12.0	45,766
1997	20,406	51	413.80	332.42	9.4	47,027
Garfield:						
1987	635	0	292.39		7.4	2,325
1988	646	0	295.64		4.9	2,310
1989	667	0	315.54		5.1	2,253

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
1990	719	0	275.31		2.8	2,248
1991	713	0	308.91		2.9	2,238
1992	731	0	318.92		3.8	2,250
1993	733	0	336.69		6.4	2,275
1994	733	0	344.54		4.9	2,311
1995	711	0	361.29		4.9	2,289
1996	762	0	367.09		4.6	2,299
1997	753	0	397.04		3.6	2,279
Grant:						
1987	16,687	11	287.21	242.48	12.0	53,534
1988	17,567	11	293.10	239.20	10.2	53,755
1989	18,497	D	310.37		10.1	54,080
1990	20,851	D	319.14		8.5	54,798
1991	21,958	D	335.82		10.0	57,182
1992	22,900	D	344.32		11.2	59,200
1993	24,288	D	354.64		11.3	61,126
1994	25,754	D	361.92		9.4	63,303
1995	26,274	D	370.87		9.8	65,728
1996	27,330	D	385.68		10.5	67,684
1997	28,534	D	406.96		8.6	69,719
Grays Harbor:						
1987	21,452	3,560	345.89	443.03	11.4	62,341
1988	22,096	3,590	360.56	478.11	9.5	62,907
1989	22,848	3,122	366.71	486.57	10.3	63,330
1990	23,068	2,798	381.14	506.21	9.3	64,175
1991	22,663	2,525	399.40	520.78	11.6	64,650
1992	23,181	2,759	416.27	557.53	12.3	65,421
1993	22,488	2,562	422.16	573.93	15.2	66,004
1994	22,441	2,347	421.79	613.01	12.3	66,664
1995	22,883	2,367	442.33	637.75	10.9	67,293
1996	22,698	2,205	453.58	679.83	11.8	67,750
1997	23,114	2,316	468.75	686.15	9.3	67,945
Island:						
1987	9,098	38	275.90	398.83	6.0	52,417
1988	9,780	37	288.59	367.44	4.7	54,566
1989	10,589	28	302.69	477.31	4.6	57,493
1990	11,221	34	316.14	493.35	3.3	60,195
1991	11,943	21	330.22	390.66	4.4	61,615
1992	12,172	16	357.85	400.03	5.9	64,581
1993	12,194	10	363.63	382.91	5.4	64,955
1994	12,750	D	377.18		4.9	65,841
1995	13,267	D	384.16		4.5	67,242
1996	13,500	25	400.60	338.16	4.9	68,247
1997	13,753	46	407.41	493.71	3.4	70,664

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
Jefferson:						
1987	4,490	101	286.77	414.39	8.0	18,395
1988	4,953	106	298.42	419.98	5.9	18,689
1989	5,175	114	312.22	417.21	5.8	19,273
1990	5,693	90	321.79	460.59	4.9	20,406
1991	5,714	63	336.08	445.94	6.5	21,568
1992	5,906	76	352.67	442.80	8.9	22,493
1993	6,413	67	355.64	403.44	8.3	23,377
1994	6,546	77	354.04	393.94	8.5	24,053
1995	6,779	67	366.04	419.15	7.3	24,991
1996	6,835	67	381.91	402.86	8.3	25,501
1997	6,965	68	391.28	381.47	6.8	25,945
King:						
1987	782,262	5,534	439.99	594.68	5.8	1,406,373
1988	824,675	6,027	456.74	607.73	4.7	1,440,287
1989	880,054	6,970	472.89	607.96	4.5	1,476,320
1990	923,715	7,341	502.14	641.66	3.4	1,507,305
1991	917,954	6,419	533.74	693.71	5.0	1,536,047
1992	926,066	6,323	577.98	717.05	6.4	1,560,081
1993	927,348	6,049	574.49	746.39	6.4	1,574,837
1994	932,746	6,389	590.68	770.24	5.5	1,584,625
1995	951,945	6,348	619.77	829.54	5.2	1,596,823
1996	990,293	6,131	660.94	858.06	4.9	1,613,507
1997	1,044,399	5,864	717.28	952.11	3.3	1,632,852
Kitsap:						
1987	54,660	262	374.05	516.91	6.0	169,760
1988	57,935	271	380.72	525.97	5.4	178,929
1989	60,690	274	394.58	522.84	5.4	182,461
1990	64,207	302	416.24	499.83	3.9	189,731
1991	66,077	D	434.40		4.9	200,145
1992	66,938	224	465.38	588.32	6.0	210,398
1993	67,061	219	481.00	593.75	6.8	212,415
1994	67,961	200	482.45	621.44	6.0	216,258
1995	68,348	173	496.78	624.71	6.6	225,841
1996	69,511	105	499.02	537.43	6.8	231,156
1997	68,879	107	529.33	435.17	5.5	234,608
Kittitas:						
1987	7,949	216	287.94	387.26	10.5	25,559
1988	8,244	194	295.67	301.97	9.8	25,575
1989	8,579	192	309.41	436.85	9.0	26,203
1990	9,147	170	309.85	434.50	7.6	26,725
1991	9,249	169	323.12	437.65	9.6	27,663
1992	9,538	156	335.00	463.15	12.7	27,969
1993	10,270	161	339.12	424.06	15.8	28,888
1994	10,772	145	343.15	401.30	8.4	29,818
1995	11,219	146	347.69	435.61	8.7	30,208

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment <i>Percent</i>	Population <i>Number of people</i>
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>			
1996	11,343	126	362.44	488.92	8.6	30,820
1997	11,491	125	373.60	489.81	6.0	31,383
Klickitat:						
1987	4,144	883	330.32	429.36	18.4	15,945
1988	4,685	959	331.35	410.50	12.7	15,970
1989	4,896	931	351.26	442.68	13.4	16,386
1990	5,094	777	402.31	444.68	11.7	16,616
1991	5,062	680	392.29	451.13	12.8	16,782
1992	5,301	687	388.99	456.81	13.9	17,210
1993	5,334	671	398.73	479.07	15.0	17,562
1994	5,579	596	407.24	518.41	11.6	17,806
1995	5,774	524	427.78	542.32	11.6	18,294
1996	5,839	509	488.20	495.11	12.3	18,562
1997	5,994	D	469.48		10.6	19,069
Lewis:						
1987	18,218	2,508	332.54	440.13	11.3	57,468
1988	19,112	2,594	344.71	453.69	8.9	57,788
1989	20,262	2,616	350.70	481.10	8.9	58,663
1990	21,023	2,503	359.58	496.16	7.9	59,358
1991	20,739	2,151	372.19	499.59	10.3	60,768
1992	21,099	2,193	399.35	565.53	11.0	61,542
1993	21,970	2,211	407.73	581.30	11.0	63,352
1994	23,278	2,481	419.81	595.31	8.5	64,643
1995	24,396	2,573	431.33	603.14	8.6	65,895
1996	24,700	2,650	448.60	627.86	9.9	66,836
1997	25,536	2,637	460.57	649.70	7.8	67,585
Lincoln:						
1987	2,001	D	266.67		6.9	9,054
1988	2,048	D	277.86		4.7	8,911
1989	2,033	D	293.17		4.7	8,880
1990	2,381	24	298.37	249.40	3.6	8,864
1991	2,336	23	318.04	237.80	4.4	8,938
1992	2,433	29	328.16	264.99	5.4	9,030
1993	2,541	24	340.50	292.73	6.2	9,260
1994	2,624	D	333.77		5.7	9,431
1995	2,801	D	344.49		6.3	9,499
1996	2,965	D	366.93		5.6	9,650
1997	2,992	D	385.37		4.6	9,802
Mason:						
1987	8,162	1,245	324.40	505.99	8.7	35,616
1988	8,747	1,524	344.30	536.67	7.0	36,393
1989	9,264	1,506	352.11	557.20	7.3	37,051
1990	9,775	1,414	356.28	544.20	5.7	38,341
1991	9,619	1,321	385.30	561.35	7.8	40,681
1992	9,604	1,254	408.87	673.37	8.5	42,477

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>			
1993	10,021	1,339	412.94	650.71	9.6	44,106
1994	10,475	1,377	420.58	641.34	8.4	45,765
1995	11,091	1,359	27.47	669.80	7.9	47,293
1996	11,600	1,394	441.70	687.93	8.5	48,470
1997	11,885	1,405	453.58	725.20	6.8	49,477
Okanogan:						
1987	12,482	1,197	266.10	412.59	12.4	32,355
1988	12,416	1,231	276.39	434.48	12.1	32,843
1989	13,316	1,284	288.99	441.04	11.9	33,169
1990	14,976	1,212	276.11	442.69	9.3	33,350
1991	15,796	946	274.83	442.88	11.0	33,657
1992	16,474	1,023	294.50	452.31	11.6	34,406
1993	17,426	1,001	297.20	459.95	12.0	35,269
1994	18,122	1,046	312.06	483.66	9.6	36,182
1995	17,656	1,020	325.20	498.42	10.4	37,090
1996	18,306	1,020	323.46	507.43	11.4	38,029
1997	18,678	993	335.22	497.15	9.4	38,652
Pacific:						
1987	4,920	612	273.20	454.58	10.3	18,056
1988	5,141	630	279.89	460.03	8.7	18,140
1989	5,253	576	289.86	521.22	9.8	18,481
1990	5,674	647	297.95	536.34	8.0	18,882
1991	5,718	669	313.85	542.31	9.8	19,133
1992	5,742	568	324.78	608.25	10.8	19,531
1993	5,803	545	330.54	629.45	12.0	19,917
1994	5,786	550	346.67	652.12	10.8	20,306
1995	5,976	548	361.08	668.43	10.2	20,787
1996	5,928	557	372.63	665.65	10.5	20,958
1997	5,956	595	380.87	694.11	9.0	21,116
Pend Oreille:						
1987	1,566	193	304.19	438.26	17.5	8,426
1988	1,683	149	335.53	530.07	11.1	8,616
1989	2,644	135	479.98	470.14	9.5	8,868
1990	1,871	D	403.97		13.9	8,915
1991	1,897	84	409.74	422.16	13.9	9,138
1992	2,032	142	434.75	478.02	14.4	9,564
1993	2,167	136	439.57	530.06	14.1	9,941
1994	2,254	154	453.70	575.58	11.9	10,338
1995	2,293	120	456.26	618.45	13.4	10,741
1996	2,312	D	473.19		16.3	11,093
1997	2,473	104	474.76	570.15	13.0	11,271
Pierce:						
1987	163,669	4,506	347.67	453.42	8.3	545,019
1988	172,084	4,534	358.22	467.76	6.3	560,916
1989	179,990	4,268	370.84	469.46	6.3	570,569

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment <i>Percent</i>	Population <i>Number of people</i>
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>			
1990	187,853	4,419	391.73	476.29	4.6	586,203
1991	188,802	3,989	413.04	499.59	6.2	603,131
1992	192,899	4,123	435.53	514.00	7.5	618,131
1993	198,790	3,858	450.24	527.38	7.5	628,689
1994	207,599	4,081	457.83	536.47	6.5	637,353
1995	212,482	3,841	474.55	555.04	6.2	647,187
1996	214,066	3,917	491.26	616.96	6.2	655,015
1997	222,225	4,047	508.50	609.89	4.5	664,776
San Juan:						
1987	2,768	30	237.27	336.12	5.8	9,180
1988	3,003	35	244.66	364.62	4.4	9,352
1989	3,247	42	262.93	376.29	4.0	9,609
1990	3,660	45	282.77	413.80	2.8	10,035
1991	3,872	38	309.76	525.86	3.6	10,621
1992	3,881	45	331.00	562.62	6.1	10,858
1993	3,800	45	340.11	531.13	7.7	11,196
1994	3,960	44	353.74	569.56	6.4	11,442
1995	4,053	46	364.87	580.02	6.5	11,863
1996	4,046	46	367.77	569.40	7.2	12,012
1997	4,195	45	375.92	601.32	5.6	12,261
Skagit:						
1987	24,134	999	307.43	357.55	11.4	71,206
1988	26,173	1,052	316.27	373.60	8.7	73,477
1989	28,471	1,176	341.67	396.90	8.4	76,054
1990	30,858	851	345.07	409.38	6.7	79,545
1991	32,392	784	374.64	405.16	8.3	83,710
1992	33,250	692	386.66	454.51	10.2	86,362
1993	34,179	581	392.01	464.61	11.2	89,404
1994	35,786	607	411.41	471.13	9.1	91,657
1995	36,575	661	426.89	485.81	9.0	93,957
1996	37,632	583	429.02	513.33	9.7	95,753
1997	38,806	631	448.82	522.27	7.1	97,705
Skamania:						
1987	1,824	641	329.99	392.23	19.4	7,791
1988	1,929	606	333.35	422.32	17.0	7,864
1989	1,852	535	347.15	427.85	18.4	8,147
1990	1,855	469	341.71	403.64	10.0	8,289
1991	1,884	406	355.99	394.99	12.4	8,503
1992	1,666	180	375.70	524.05	18.2	8,552
1993	1,885	176	373.95	521.40	14.8	8,763
1994	1,912	172	379.75	562.17	10.5	8,935
1995	1,864	179	384.37	545.64	10.6	9,079
1996	1,871	178	401.42	544.64	11.4	9,284
1997	1,916	208	418.82	577.07	10.1	9,642

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
Snohomish:						
1987	124,930	3,298	393.07	414.92	6.6	404,871
1988	137,101	3,149	412.02	452.30	5.2	425,190
1989	151,263	3,277	439.35	432.65	4.9	446,325
1990	159,059	3,097	458.60	463.38	3.9	465,628
1991	165,358	2,923	480.51	487.52	5.7	484,237
1992	170,792	2,783	517.77	514.95	7.0	499,934
1993	178,777	2,816	531.62	524.55	6.7	513,572
1994	181,104	2,655	540.89	535.09	6.4	523,504
1995	182,076	2,578	555.27	549.83	5.8	532,979
1996	188,711	2,639	585.99	586.76	5.3	544,546
1997	202,847	2,907	620.05	584.15	3.5	564,610
Spokane:						
1987	133,224	1,037	335.71	315.91	7.6	354,270
1988	136,216	1,101	346.02	322.15	6.2	354,092
1989	139,869	974	360.64	345.65	6.5	356,270
1990	146,341	952	376.88	355.97	5.5	361,333
1991	150,445	1,108	394.40	354.69	6.1	372,064
1992	155,727	1,286	415.42	355.76	6.8	381,564
1993	159,685	1,418	427.77	361.71	6.0	390,663
1994	167,538	1,541	439.01	356.29	4.9	395,842
1995	170,358	1,423	453.45	359.48	5.4	401,304
1996	173,367	1,456	471.83	368.90	5.8	403,669
1997	177,678	1,314	490.99	386.55	4.6	404,650
Stevens:						
1987	6,959	1,252	324.36	444.46	11.6	30,317
1988	7,505	1,366	338.91	472.34	8.6	30,221
1989	7,668	1,288	347.84	458.62	9.4	30,416
1990	7,707	1,128	361.17	482.62	8.3	30,948
1991	7,838	1,197	378.98	512.00	9.5	31,809
1992	8,161	1,241	383.15	534.98	11.3	33,350
1993	8,649	1,285	401.78	560.03	10.3	34,824
1994	9,195	1,231	402.55	565.35	8.7	36,411
1995	9,273	1,013	410.97	563.31	9.4	37,635
1996	9,468	985	420.94	573.85	10.8	38,567
1997	9,774	1,105	437.71	615.26	9.1	39,243
Thurston:						
1987	54,256	1,163	360.32	439.48	7.3	145,813
1988	56,796	1,025	370.95	463.63	6.3	150,439
1989	60,390	1,011	385.52	466.83	6.3	155,365
1990	64,449	995	409.99	461.74	4.8	161,238
1991	66,438	893	437.06	498.48	5.9	169,451
1992	68,402	977	463.90	533.67	6.6	176,515
1993	70,913	1,094	478.72	554.85	7.0	183,214
1994	74,048	1,147	486.81	593.88	6.2	187,213
1995	74,444	1,118	501.23	620.66	6.2	192,329

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment <i>Percent</i>	Population <i>Number of people</i>
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>			
1996	76,584	1,038	510.96	630.94	6.6	196,709
1997	78,849	918	525.11	621.43	5.1	200,362
Wahkiakum:						
1987	601	D	305.60		10.8	3,339
1988	721	D	320.00		8.2	3,358
1989	768	135	333.78	470.31	8.3	3,327
1990	643	D	328.61		5.9	3,327
1991	649	D	325.76		6.0	3,373
1992	666	117	358.33	464.97	7.1	3,472
1993	707	120	370.17	469.93	7.8	3,499
1994	698	110	381.14	493.44	9.2	3,617
1995	715	107	401.99	543.39	6.7	3,683
1996	730	D	400.34		7.0	3,784
1997	773	D	441.25		6.1	3,895
Walla Walla:						
1987	17,865	219	324.70	409.50	9.0	47,542
1988	18,240	292	326.94	363.58	7.2	47,278
1989	18,996	179	341.38	497.86	7.1	48,166
1990	20,546	D	343.03		6.6	48,439
1991	20,363	D	365.82		7.8	50,052
1992	21,158	210	383.27	565.18	8.0	50,829
1993	21,927	205	391.83	565.23	6.9	52,101
1994	22,372	217	406.66	546.79	5.6	52,884
1995	22,599	158	418.71	539.77	6.1	53,326
1996	22,590	67	439.88	560.14	7.5	53,529
1997	23,042	55	454.70	415.73	6.3	53,501
Whatcom:						
1987	41,411	950	327.66	352.95	8.4	115,361
1988	44,360	1,084	325.04	348.35	7.2	119,002
1989	47,872	1,113	343.95	369.80	6.7	123,294
1990	53,178	1,224	362.24	399.63	5.0	127,780
1991	54,236	1,181	382.05	427.77	6.5	133,335
1992	56,689	1,269	392.46	441.58	7.6	138,030
1993	57,914	1,134	398.52	451.40	7.8	142,279
1994	59,434	1,218	415.01	473.50	7.3	145,736
1995	60,559	1,239	429.76	513.20	7.4	149,084
1996	62,405	1,360	448.20	510.84	7.5	152,217
1997	64,316	1,383	459.79	515.63	5.8	154,249
Whitman:						
1987	11,368	D	330.28		3.7	38,628
1988	11,902	D	337.45		2.9	38,561
1989	12,039	D	356.05		2.7	38,569
1990	12,787	D	368.93		1.5	38,775
1991	12,919	0	390.37		1.8	38,477
1992	12,939	0	337.38		2.4	38,416

Table 2—Employment, wages, unemployment, and population for Washington, by county and year (continued)

County and year	Average annual covered employment		Average weekly wages		Unemployment	Population
	Total	SIC 24	Total	SIC 24		
	<i>---Number of people---</i>		<i>---Dollars per week---</i>		<i>Percent</i>	<i>Number of people</i>
1993	13,248	D	421.63		2.3	38,636
1994	13,803	D	423.42		2.0	38,885
1995	13,680	D	438.30		2.1	39,328
1996	14,123	0	451.61		2.3	39,564
1997	14,303	D	468.29		1.8	39,321
Yakima:						
1987	69,276	1,425	276.48	447.39	11.6	181,707
1988	71,397	1,342	285.02	450.72	10.8	185,454
1989	75,407	1,359	291.19	447.52	12.0	187,574
1990	82,706	1,490	296.17	441.98	10.7	188,823
1991	81,466	1,593	316.47	448.56	12.4	194,017
1992	85,919	1,677	330.61	468.30	13.5	199,246
1993	87,867	1,726	342.14	458.56	14.5	204,637
1994	90,022	1,884	355.76	474.50	11.7	209,457
1995	89,401	1,705	369.49	502.93	12.5	213,288
1996	90,481	1,682	380.35	532.21	13.4	216,110
1997	92,753	1,632	398.15	543.25	10.0	218,318
Totals, Washington:						
1987	1,819,004	39,692	386.34	454.53	7.6	4,531,901
1988	1,911,482	41,490	399.59	462.51	6.2	4,639,893
1989	2,025,929	40,434	415.13	482.40	6.2	4,746,316
1990	2,143,957	39,159	435.28	498.42	4.9	4,866,669
1991	2,160,883	35,598	460.31	519.18	6.4	4,901,141
1992	2,205,665	35,840	490.90	551.12	7.6	5,016,019
1993	2,247,245	35,013	495.22	563.83	7.6	5,144,193
1994	2,303,539	35,795	506.90	581.13	6.4	5,250,176
1995	2,341,208	34,747	527.68	608.96	6.4	5,339,331
1996	2,404,623	34,397	555.45	630.71	6.5	5,519,525
1997	2,508,962	34,692	591.45	654.49	4.8	5,610,362

D = data not available due to disclosure regulations.

Source: 1987-97 Employment and payrolls in Washington State by county and industry for covered employment and wage. Washington State Employment Security Department for unemployment rates. U.S. Department of Commerce, Bureau of the Census, current population estimates (1990) for population.

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Judy Mikowski assembled the social and economic indicator data in tables 1 and 2. The Washington State Employment Security Department and Oregon Employment Department furnished current and historical copies of covered employment and wage and salary reports.

Literature Cited

- Christensen, Harriet H.; McGinnis, Wendy J.; Raettig, Terry L.; Donoghue, Ellen. [In press].** Atlas of human adaptation to environmental change, challenges, and opportunities. Gen. Tech. Rep. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.
- Lux, Kenneth; Miller, John; McGoldrick, Denise; Wilson, Jon. 1999.** 1997 Oregon covered employment and payrolls by industry and county. Salem, OR: Oregon Employment Department, Research, Tax, and Analysis. 227 p.
- McGinnis, Wendy J.; Phillips, Richard H.; Connaughton, Kent P. 1996.** County portraits of Oregon and northern California. Gen. Tech. Rep. PNW-GTR-377. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 315 p.
- McGinnis, Wendy J.; Phillips, Richard H.; Raettig, Terry L.; Connaughton, Kent P. 1997.** County portraits of Washington State. Gen. Tech. Rep. PNW-GTR-400. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 262 p.
- Murphy, John B. 1998.** Introducing the North American industry classification system. Monthly Labor Review. 121 (7): 43-47.
- Office of the President. 1998.** Economic report of the President together with the annual report of the council of Economic Advisers, transmitted to the Congress, February, 1998. Washington DC: U.S. Government Printing Office. 408 p.
- Raettig, Terry L.; Christensen, Harriet H. [In press].** Timber harvesting, processing, and employment in the Northwest Economic Adjustment Initiative region: changes and economic assistance. Gen. Tech. Rep. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.
- Salant, Priscilla. 1990.** A community researcher's guide to rural data. Washington DC: Island Press. 93 p.
- Warren, Debra D. 1998.** Production, prices, employment, and trade in the Northwest forest products industry, third quarter 1997. Resour. Bull. PNW-RB-229. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 130 p.
- Washington State Employment Security Department. 1992.** Employment and payrolls in Washington State by county and industry, 1990 annual average. No. 182. Olympia, WA: Labor Market and Economic Analysis Branch. 109 p.
- Washington State Employment Security Department. 1997a.** Labor force and employment in Washington State, 1997. Olympia, WA: Labor Market and Economic Analysis Branch. 150 p.
- Washington State Employment Security Department. 1997b.** User's guide to labor market information. Olympia, WA: Labor Market and Economic Analysis Branch. 32 p.

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