



United States  
Department of  
Agriculture

Forest Service

Pacific Northwest  
Research Station

Resource Bulletin  
PNW-RB-196  
July 1993



# Production, Prices, Employment, and Trade in Northwest Forest Industries, Fourth Quarter 1992

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## **ABSTRACT**

Warren, Debra D. 1993. Production, prices, employment, and trade in Northwest forest industries, fourth quarter 1992. Resour. Bull. PNW-RB-196. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 116 p.

Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), imports and exports (forest products).

## **PREFACE**

This report presents current information on the timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

Cooperation in supplying data has been received from the following sources: U.S. Department of Agriculture, Forest Service, Forest Inventory and Economics Research Staff in Washington, DC; Washington State Department of Natural Resources and Employment Security Department; Oregon State Department of Forestry and Department of Employment; California State Department of Employment and Department of Conservation; Montana State Forester and State Employment Service; Idaho State Department of Public Lands and Department of Employment; Alaska State Department of Labor and Department of Natural Resources of the Division of Lands; U.S. Department of Commerce; U.S. Department of the Interior, Bureau of Land Management and Bureau of Indian Affairs; British Columbia Department of Industrial Development, Trade, and Commerce; and a number of private industry associations, firms, and individuals.

The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Columbia-Snake Customs District includes all Oregon ports and Longview and Vancouver, Washington. Anchorage Customs District is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey, California.

The statistical data are from secondary sources and are brought together to make such information more readily available. Sources are indicated for each table and can be contacted directly for means used in data collection.

Readers are cautioned that unit values should not be interpreted as accurate indicators of prices. Unit values for individual trade flows, especially those involving small volumes, frequently vary widely within a year, across origins or destinations, and through time.

## **AUTHOR**

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## **Western Lumber Production and Prices**

- *Softwood lumber production decreases*

A total of 18.6 billion board feet of softwood lumber was produced in the Western United States in 1992, down 0.3 percent from 1991 (table 1). Total softwood lumber production in the fourth quarter of 1992 was down 1.9 percent from the third quarter and down 3.1 percent from the fourth quarter of 1991.

- *Lumber prices increase*

Average wholesale prices rose in 1992 for selected lumber products (table 7). Compared with third quarter 1992 average values, fourth quarter 1992 changes ranged from a 1.3-percent increase for fir-larch standard and better, to a 10.9-percent increase for no. 3 ponderosa pine boards.

## **Plywood Production and Prices**

- *Plywood production and prices increase*

United States softwood structural panel board production in 1992, at 25,308 million square feet (3/8-inch basis), increased 3.1 percent from 1991. Production in the fourth quarter of 1992 was down 4.0 percent from third quarter 1992 and up 5.5 percent from the fourth quarter of 1991 (table 1).

Wholesale prices of selected plywood products increased significantly from 1991 to 1992. Fourth quarter 1992 prices averaged 30.0-percent increase (table 8) over fourth quarter 1991 prices.

## **Employment in Forest Products Industries**

- *Employment numbers fall in 1992*

The number of persons employed in the lumber and wood products industries decreased in 1992 in Alaska, Washington, Oregon, and California (tables 20 and 21).

In Oregon and Washington, there were 11.3 direct jobs per million board feet of timber harvested in 1992 (using the preliminary harvest figure from table 15).

## **Log, Pulp, and Chip Exports**

- *Washington and Oregon log exports decrease in 1992*

Log exports from Washington and Oregon ports totaled 2,181.7 million board feet in 1992, as compared to 2,542.4 million board feet in 1991. In the fourth quarter of 1992, Washington Customs District exported 319.1 million board feet of logs to all countries, and Oregon Customs District exported 199.1 (table 23).

- *Average value of logs is \$687.01*

Softwood log exports from Washington and Oregon ports averaged \$687.01 (per thousand board feet) in 1992, up \$118.32 from the average for 1991. The values increased similarly for log exports going to Japan, China, and South Korea, but decreased for exports to Canada.

- *Log exports decrease in California*

San Francisco Customs District exported 77.0 percent fewer logs in 1992 than in 1991 (table 26). The Anchorage Customs District exported 0.6 percent more logs in 1992 than in 1991 (table 27).

- *Pulp volumes fluctuate slightly*

The four western customs districts showed only minor fluctuations in pulp export volumes from 1991 to 1992. The Seattle Customs District had a significant increase in the amount of paper grade pulp being exported (table 44).

- *Average value of pulp exports mostly down*

Most customs districts indicated a decrease in the average values for both grades of pulp exports from 1991 to 1992 (table 45). An increase in average value was seen in the paper grade out of the Anchorage Customs District.

- *Chip exports decrease in all customs districts*

All four customs districts had a decrease in the volume of chip exports from 1991 to 1992. Average values of chips remained fairly stable except for the Anchorage Customs District (table 46); the average value dropped from \$78.01 in 1991 to \$21.73 in 1992.

## **Lumber, Plywood, and Veneer Exports**

- *Volume of lumber exports falls substantially*

The lumber export figures showed dramatic drops for all four western customs districts from 1991 to 1992 (tables 47, 51, and 52). The Columbia-Snake Customs District had a decrease of 16.3 percent from 1991, and the Seattle Customs District dropped 18.9 percent for the same period.

## **Timber Sold by Forest Service Regions**

- *Average value of lumber higher*

In the Seattle and Columbia-Snake Customs Districts, the average value of lumber exports rose from \$507.90 (per thousand board feet) in 1991 to \$553.11 in 1992 (table 49). California (tables 50 and 51) and Alaska (table 52) lumber export prices also increased sharply.

- *Softwood plywood export volumes are down*

The Seattle and Columbia-Snake Customs Districts exported 39.3 percent less softwood plywood in 1992 than in 1991. Plywood export values, however, increased (table 65).

- *Softwood veneer exports increase in 1992*

Compared with 1991, softwood veneer exports were up 6.5 percent in Oregon and Washington in 1992 (table 67). Hardwood veneer export volumes decreased in 1992.

- *Sold volume in Northern Region is down for 1992*

The amount of timber sold in Montana and northern Idaho dropped 10.5 percent from 1991 to 1992 (table 68). The average values for all owners increased from \$94.95 in 1991 to \$152.93 in 1992 (table 69).

- *Sold volume rises in northern California on National Forest lands*

In 1992, the volume of timber sold on National Forest lands in northern California increased 69.7 percent from the 1991 total (table 74). The average value of timber sold on USDA Forest Service lands dropped from \$152.10 in 1991 to \$126.43 in 1992 (table 75).

- *Sold volume in Washington and Oregon decreases*

Oregon and Washington showed a decrease of 42.3 percent in the amount of timber sold on public lands from 1991 to 1992 (table 79). Average prices increased somewhat (table 80).

- *Alaska shows huge increase*

In 1992, the volume of timber sold on Alaska public lands increased 182.9 percent over 1991 (table 84).



## **TABLES AND FIGURES**

**Table 1--Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1982-92**

| Year               | Softwood lumber production                      |                                                    |                           |                            | U.S. softwood structural panel board production <sup>c</sup> |
|--------------------|-------------------------------------------------|----------------------------------------------------|---------------------------|----------------------------|--------------------------------------------------------------|
|                    | Total softwood lumber                           | Western Washington and western Oregon <sup>a</sup> | California redwood region | Inland region <sup>b</sup> |                                                              |
|                    | ----- Million board feet -----                  |                                                    |                           |                            | Million ft <sup>2</sup> , 3/8-inch basis                     |
| 1982               | 13,724                                          | 5,743                                              | 1,300                     | 6,681                      | 17,150                                                       |
| 1983               | 18,002                                          | 7,934                                              | 1,580                     | 8,488                      | 20,926                                                       |
| 1984               | 18,985                                          | 8,329                                              | 1,664                     | 8,992                      | 22,446                                                       |
| 1985               | 19,068                                          | 8,062                                              | 1,730                     | 9,276                      | 23,129                                                       |
| 1986               | 21,915                                          | 9,412                                              | 2,021                     | 10,482                     | 25,911                                                       |
| 1987               | R23,942                                         | R10,354                                            | R2,181                    | R11,407                    | 27,752                                                       |
| 1988               | R23,638                                         | R10,029                                            | R2,214                    | R11,395                    | 27,567                                                       |
| 1989               | R23,212                                         | R9,811                                             | R2,053                    | R11,348                    | 27,153                                                       |
| 1990               | R21,175                                         | R8,751                                             | 1,942                     | R10,452                    | 27,770                                                       |
| 1991               | R19,075                                         | R7,908                                             | R1,657                    | R9,510                     | 24,539                                                       |
| 1992:              |                                                 |                                                    |                           |                            |                                                              |
| January            | R1,529                                          | R654                                               | 139                       | R736                       | 2,130                                                        |
| February           | R1,528                                          | R641                                               | 131                       | R756                       | 2,012                                                        |
| March              | R1,779                                          | R748                                               | 151                       | R880                       | 2,084                                                        |
| Total, 1st quarter | R4,836                                          | R2,043                                             | 421                       | R2,372                     | 6,226                                                        |
| April              | 1,529                                           | 643                                                | 131                       | 755                        | 2,106                                                        |
| May                | 1,505                                           | 612                                                | 123                       | 770                        | 2,123                                                        |
| June               | 1,640                                           | 659                                                | 149                       | 832                        | 2,062                                                        |
| Total, 2d quarter  | 4,674                                           | 1,914                                              | 403                       | 2,357                      | 6,291                                                        |
| July               | 1,521                                           | 642                                                | 136                       | 743                        | 2,139                                                        |
| August             | 1,539                                           | 630                                                | 144                       | 765                        | 2,202                                                        |
| September          | 1,513                                           | 654                                                | 113                       | 746                        | 2,186                                                        |
| Total, 3d quarter  | 4,573                                           | 1,926                                              | 393                       | 2,254                      | 6,527                                                        |
| October            | 1,690                                           | 703                                                | 129                       | 858                        | 2,313                                                        |
| November           | 1,473                                           | 629                                                | 114                       | 730                        | 1,998                                                        |
| December           | 1,324                                           | 563                                                | 108                       | 653                        | 1,953                                                        |
| Total, 4th quarter | 4,487                                           | 1,895                                              | 351                       | 2,241                      | 6,264                                                        |
| 1992 total         | 18,570                                          | 7,778                                              | 1,568                     | 9,224                      | 25,308                                                       |
|                    | ----- 4th quarter 1992 change, in percent ----- |                                                    |                           |                            |                                                              |
| From:              |                                                 |                                                    |                           |                            |                                                              |
| 3d quarter 1992    | -1.9                                            | -1.6                                               | -10.7                     | -.6                        | -4.0                                                         |
| 4th quarter 1991   | -3.1                                            | -4.0                                               | .6                        | -2.9                       | 5.5                                                          |

<sup>a</sup> Includes small amounts of hardwood.

<sup>b</sup> Includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

<sup>c</sup> Since January 1983, structural panel board includes plywood, waferboard, and oriented strand board (OSB). Before 1983, statistics refer to plywood production in the United States.

Source: Western Wood Products Association, Portland, Oregon, and American Plywood Association, Tacoma, Washington

**Table 2--Lumber production in Northwest States, 1981-91**

(In million board feet)

| Year | Washington | Oregon | California <sup>a</sup> | Montana | Idaho |
|------|------------|--------|-------------------------|---------|-------|
| 1981 | 3,243      | 5,115  | 3,224                   | 1,032   | 1,319 |
| 1982 | 3,059      | 4,682  | 2,987                   | 895     | 1,245 |
| 1983 | 3,821      | 6,579  | 3,574                   | 1,316   | 1,657 |
| 1984 | 3,697      | 7,202  | 3,891                   | 1,387   | 1,686 |
| 1985 | 3,419      | 7,211  | 4,168                   | 1,445   | 1,676 |
| 1986 | 4,132      | 8,149  | 4,865                   | 1,563   | 1,876 |
| 1987 | 4,645      | 8,846  | 5,408                   | 1,640   | 2,016 |
| 1988 | 4,408      | 8,601  | 5,671                   | 1,558   | 2,015 |
| 1989 | 4,274      | 8,512  | 5,320                   | 1,567   | 2,133 |
| 1990 | 3,919      | 7,511  | 4,981                   | 1,459   | 2,034 |
| 1991 | 3,820      | 6,595  | 4,218                   | 1,362   | 1,919 |

<sup>a</sup> Includes 1 mill in Nevada.

Source: Western Wood Products Association, Portland, Oregon.

**Table 3--Softwood lumber production in the inland region, by species, 1981-91<sup>a</sup>**

(In million board feet)

| Year | All<br>softwoods | Ponderosa<br>pine | Idaho<br>white<br>pine | Sugar<br>pine | Douglas-fir<br>and<br>larch | Hem-fir <sup>b</sup> | Engelmann<br>spruce | Lodgepole<br>pine | Other<br>softwoods |
|------|------------------|-------------------|------------------------|---------------|-----------------------------|----------------------|---------------------|-------------------|--------------------|
| 1981 | 7,147            | 2,770             | 164                    | 173           | 1,570                       | 1,147                | 269                 | 419               | 635                |
| 1982 | 6,681            | 2,649             | 113                    | 141           | 1,509                       | 1,029                | 313                 | 376               | 551                |
| 1983 | 8,488            | 3,378             | 163                    | 192           | 1,851                       | 1,272                | 323                 | 532               | 777                |
| 1984 | 8,992            | 3,537             | 132                    | 215           | 1,905                       | 1,524                | 431                 | 618               | 630                |
| 1985 | 9,276            | 3,430             | 114                    | 258           | 2,050                       | 1,701                | 433                 | 534               | 756                |
| 1986 | 10,482           | 3,759             | 115                    | 258           | 2,330                       | 2,055                | 547                 | 747               | 671                |
| 1987 | 11,407           | 3,816             | 110                    | 321           | 2,683                       | 2,353                | 425                 | 932               | 767                |
| 1988 | 11,395           | 3,870             | 104                    | 321           | 2,731                       | 2,392                | 653                 | 720               | 604                |
| 1989 | 11,348           | 3,767             | 87                     | 291           | 2,683                       | 2,600                | 473                 | 835               | 612                |
| 1990 | 10,452           | 3,521             | 77                     | 307           | 2,455                       | 2,351                | 418                 | 756               | 567                |
| 1991 | 9,510            | 3,105             | 68                     | 292           | 2,374                       | 2,115                | 424                 | 652               | 480                |

<sup>a</sup> Includes eastern Washington, eastern Oregon, California (except redwood region), Nevada, Idaho, Montana, Wyoming, Utah, Colorado, Arizona, New Mexico, and a portion of South Dakota.

<sup>b</sup> Western hemlock and white fir. Before 1979, hemlock was included in "Other softwoods"; since 1979, hemlock is included in "Hem-fir." The historical data are revised to reflect this change.

Source: Western Wood Products Association, Portland, Oregon.

**Table 4--Lumber production in the coast region, by species, 1981-91<sup>a</sup>**

(In million board feet)

| Year | All species | Douglas-fir | Hem-fir <sup>b</sup> | Western redcedar | Incense-cedar | Pine | Other softwoods | Hardwoods |
|------|-------------|-------------|----------------------|------------------|---------------|------|-----------------|-----------|
| 1981 | 6,270       | 3,817       | 1,660                | 347              | 60            | 198  | 30              | 158       |
| 1982 | 5,743       | 3,570       | 1,427                | 335              | 43            | 193  | 19              | 156       |
| 1983 | 7,934       | 5,088       | 1,877                | 445              | 55            | 270  | 20              | 179       |
| 1984 | 8,329       | 5,538       | 1,753                | 426              | 79            | 288  | 16              | 229       |
| 1985 | 8,062       | 5,449       | 1,555                | 432              | 69            | 316  | 12              | 229       |
| 1986 | 9,412       | 6,479       | 1,781                | 475              | 72            | 322  | 13              | 270       |
| 1987 | 10,354      | 7,064       | 1,988                | 538              | 84            | 357  | 27              | 296       |
| 1988 | 10,029      | 6,727       | 2,000                | 564              | 52            | 358  | 24              | 304       |
| 1989 | 9,811       | 6,662       | 1,900                | 522              | 47            | 324  | 36              | 320       |
| 1990 | 8,751       | 5,794       | 1,655                | 518              | 58            | 351  | 44              | 331       |
| 1991 | 7,908       | 5,136       | 1,503                | 499              | 49            | 287  | 73              | 361       |

<sup>a</sup> Includes western Washington and western Oregon.

<sup>b</sup> Western hemlock and white fir combined.

Source: Western Wood Products Association, Portland, Oregon.

**Table 5--Softwood structural panel board production in the United States, by State, 1982-92<sup>a</sup>**

(In million square feet, 3/8-inch basis)

| Year | Total    | Oregon  | Washington | California | Montana,<br>Idaho, and<br>Colorado | Southern<br>States <sup>b</sup> | Northern<br>States <sup>c</sup> |
|------|----------|---------|------------|------------|------------------------------------|---------------------------------|---------------------------------|
| 1982 | 16,402.6 | 5,113.9 | 1,165.8    | 195.5      | 874.4                              | 8,455.7                         | 597.3                           |
| 1983 | 20,767.0 | 6,719.0 | 1,369.0    | 260.0      | 1,152.0                            | 9,967.0                         | 1,300.0                         |
| 1984 | 21,967.8 | 6,779.4 | 1,539.8    | 232.1      | 1,131.0                            | 10,511.9                        | 1,773.6                         |
| 1985 | 22,838.2 | 6,750.3 | 1,645.2    | 160.8      | 1,293.2                            | 11,033.8                        | 1,955.0                         |
| 1986 | 25,632.8 | 7,826.3 | 1,718.6    | 121.6      | 1,405.6                            | 12,272.1                        | 2,288.5                         |
| 1987 | 27,001.4 | 8,381.2 | 1,712.2    | 102.9      | 1,528.5                            | 12,854.9                        | 2,421.7                         |
| 1988 | 27,202.8 | 7,850.4 | 1,585.8    | 126.3      | 1,501.2                            | 13,609.3                        | 2,529.8                         |
| 1989 | 26,940.3 | 6,774.9 | 1,462.2    | 94.2       | 1,550.7                            | 13,740.0                        | 2,868.3                         |
| 1990 | 26,337.2 | 5,962.1 | 1,255.4    | 62.0       | 1,539.9                            | 14,501.0                        | 3,016.8                         |
| 1991 | 24,265.2 | 4,952.1 | 1,172.6    | 58.4       | 1,405.2                            | 13,596.0                        | 3,080.9                         |
| 1992 | 25,984.7 | 4,766.8 | 1,155.5    | 58.9       | 1,440.0                            | 15,051.2                        | 3,512.2                         |

<sup>a</sup> Since January 1983, structural panel board includes plywood, waferboard, and oriented strand board (OSB). Before 1983, statistics refer to plywood production in the United States.

<sup>b</sup> Includes Alabama, Arkansas, Florida, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Texas, and Virginia.

<sup>c</sup> Includes Maine, Michigan, Minnesota, New Hampshire, New York, and Wisconsin.

Source: American Plywood Association.

**Table 6--Softwood lumber and plywood production in British Columbia, 1981-91**

| Year | Softwood lumber production     |       |          | Softwood<br>plywood<br>production           |
|------|--------------------------------|-------|----------|---------------------------------------------|
|      | Total                          | Coast | Interior |                                             |
|      | ----- Million board feet ----- |       |          | Million ft <sup>2</sup> ,<br>3/8-inch basis |
| 1981 | 10,424                         | 3,458 | 6,966    | 1,923                                       |
| 1982 | 9,944                          | 3,002 | 6,942    | 1,616                                       |
| 1983 | 13,043                         | 4,140 | 8,903    | 1,992                                       |
| 1984 | 13,078                         | 3,903 | 9,175    | 1,754                                       |
| 1985 | 14,004                         | 3,996 | 10,008   | 1,855                                       |
| 1986 | 13,335                         | 3,753 | 9,582    | 1,733                                       |
| 1987 | 15,888                         | 4,674 | 11,214   | 2,144                                       |
| 1988 | 15,572                         | 4,583 | 10,989   | 2,067                                       |
| 1989 | 15,236                         | 4,140 | 11,096   | 2,071                                       |
| 1990 | 14,186                         | 3,787 | 10,399   | 1,853                                       |
| 1991 | 13,309                         | 3,466 | 9,843    | 1,610                                       |

Source: Statistics Canada, Ottawa, Canada.

**Table 7--Wholesale prices of selected lumber products, 1981-92**

(In dollars per thousand board feet)

| Year                                      | Douglas-fir<br>std. and btr.,<br>2 by 4 RL,<br>8/20", KD,<br>net, f.o.b. mill | Ponderosa pine<br>boards, no. 3,<br>1 by 12 RL, KD,<br>net, f.o.b. mill | Ponderosa pine,<br>no. 2 shop,<br>6/4 RWRL, S2S,<br>net, f.o.b. mill | Fir-larch<br>std. and btr.,<br>2 by 4 RL,<br>8/20", KD,<br>net, f.o.b. mill | Spruce-pine-fir<br>std. and btr.,<br>2 by 4 RL,<br>8/20", KD,<br>net, f.o.b. mill |
|-------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1981                                      | 190.00                                                                        | 296.00                                                                  | 483.00                                                               | 181.00                                                                      | 158.00                                                                            |
| 1982                                      | 167.00                                                                        | 253.00                                                                  | 357.00                                                               | 160.00                                                                      | 141.00                                                                            |
| 1983                                      | 222.00                                                                        | 258.00                                                                  | 571.00                                                               | 213.00                                                                      | 185.00                                                                            |
| 1984                                      | 202.01                                                                        | 285.94                                                                  | 495.50                                                               | 189.70                                                                      | 153.35                                                                            |
| 1985                                      | 206.15                                                                        | 235.01                                                                  | 494.27                                                               | 189.91                                                                      | 153.34                                                                            |
| 1986                                      | 214.94                                                                        | 257.48                                                                  | 581.02                                                               | 207.63                                                                      | 182.26                                                                            |
| 1987                                      | 227.52                                                                        | 268.99                                                                  | 634.79                                                               | 222.58                                                                      | 200.15                                                                            |
| 1988                                      | 232.19                                                                        | 279.49                                                                  | 630.00                                                               | 214.68                                                                      | 185.75                                                                            |
| 1989                                      | 263.51                                                                        | 333.83                                                                  | 577.91                                                               | 237.07                                                                      | 183.70                                                                            |
| 1990                                      | 241.74                                                                        | 286.34                                                                  | 539.34                                                               | 224.60                                                                      | 186.25                                                                            |
| 1991                                      | 249.99                                                                        | 344.01                                                                  | 674.56                                                               | 233.71                                                                      | 187.10                                                                            |
| 1992:                                     |                                                                               |                                                                         |                                                                      |                                                                             |                                                                                   |
| January                                   | 262.00                                                                        | 511.00                                                                  | 840.00                                                               | 249.40                                                                      | 206.00                                                                            |
| February                                  | 292.50                                                                        | 620.00                                                                  | 840.00                                                               | 285.00                                                                      | 235.00                                                                            |
| March                                     | 300.50                                                                        | 611.25                                                                  | 843.75                                                               | 289.25                                                                      | 256.75                                                                            |
| Average,<br>1st quarter                   | 285.00                                                                        | 580.75                                                                  | 841.25                                                               | 274.55                                                                      | 232.58                                                                            |
| April                                     | 298.25                                                                        | 543.75                                                                  | 858.75                                                               | 292.50                                                                      | 233.50                                                                            |
| May                                       | 298.00                                                                        | 443.00                                                                  | 860.00                                                               | 291.00                                                                      | 229.00                                                                            |
| June                                      | 296.00                                                                        | 367.50                                                                  | 855.00                                                               | 280.00                                                                      | 225.00                                                                            |
| Average,<br>2d quarter                    | 297.42                                                                        | 451.42                                                                  | 857.92                                                               | 287.83                                                                      | 229.17                                                                            |
| July                                      | 293.60                                                                        | 383.00                                                                  | 829.00                                                               | 277.20                                                                      | 214.80                                                                            |
| August                                    | 290.75                                                                        | 390.00                                                                  | 790.00                                                               | 279.00                                                                      | 223.00                                                                            |
| September                                 | 296.25                                                                        | 395.00                                                                  | 790.00                                                               | 285.00                                                                      | 240.75                                                                            |
| Average,<br>3d quarter                    | 293.53                                                                        | 389.33                                                                  | 803.83                                                               | 280.40                                                                      | 226.18                                                                            |
| October                                   | 288.20                                                                        | 362.00                                                                  | 791.00                                                               | 268.40                                                                      | 218.60                                                                            |
| November                                  | 302.50                                                                        | 430.00                                                                  | 810.75                                                               | 281.25                                                                      | 234.25                                                                            |
| December                                  | 315.60                                                                        | 503.00                                                                  | 866.00                                                               | 302.60                                                                      | 257.20                                                                            |
| Average,<br>4th quarter                   | 302.10                                                                        | 431.67                                                                  | 822.58                                                               | 284.08                                                                      | 236.68                                                                            |
| 1992 average                              | 294.51                                                                        | 463.29                                                                  | 831.40                                                               | 281.72                                                                      | 231.15                                                                            |
| ----- 4th quarter 1992 change, in percent |                                                                               |                                                                         |                                                                      |                                                                             |                                                                                   |
| From:                                     |                                                                               |                                                                         |                                                                      |                                                                             |                                                                                   |
| 3d quarter 1992                           | 2.9                                                                           | 10.9                                                                    | 2.3                                                                  | 1.3                                                                         | 4.6                                                                               |
| 4th quarter 1991                          | 19.6                                                                          | 10.9                                                                    | 2.9                                                                  | 23.4                                                                        | 28.1                                                                              |

Source: Random Lengths Publications, Inc.

**Table 8--Wholesale prices of selected softwood plywood products, 1981-92**

(In dollars per thousand square feet)

| Year                                            | Sheathing, western<br>exterior, 3/8-inch,<br>CD, net f.o.b. mill | Sheathing, southern<br>(west) <sup>a</sup> exterior,<br>3/8-inch, CD,<br>net f.o.b. mill | Sanded, western<br>interior, 1/4-inch,<br>AD, net f.o.b. mill |
|-------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 1981                                            | 148.00                                                           | 140.00                                                                                   | 203.00                                                        |
| 1982                                            | 135.00                                                           | 139.00                                                                                   | 185.00                                                        |
| 1983                                            | 154.00                                                           | 158.00                                                                                   | 179.00                                                        |
| 1984                                            | 151.76                                                           | 150.24                                                                                   | 170.93                                                        |
| 1985                                            | 150.08                                                           | 146.77                                                                                   | 175.52                                                        |
| 1986                                            | 157.22                                                           | 151.31                                                                                   | 176.06                                                        |
| 1987                                            | 151.17                                                           | 150.98                                                                                   | 184.88                                                        |
| 1988                                            | 151.58                                                           | 140.09                                                                                   | 190.65                                                        |
| 1989                                            | 176.36                                                           | 163.56                                                                                   | 237.30                                                        |
| 1990                                            | 171.37                                                           | 154.75                                                                                   | 258.21                                                        |
| 1991                                            | 172.27                                                           | 151.69                                                                                   | 242.02                                                        |
| 1992:                                           |                                                                  |                                                                                          |                                                               |
| January                                         | 195.00                                                           | 180.20                                                                                   | 254.80                                                        |
| February                                        | 224.75                                                           | 212.25                                                                                   | 281.50                                                        |
| March                                           | 213.50                                                           | 206.75                                                                                   | 272.50                                                        |
| Average,<br>1st quarter                         | 211.08                                                           | 199.73                                                                                   | 269.60                                                        |
| April                                           | 196.75                                                           | 191.25                                                                                   | 262.00                                                        |
| May                                             | 186.80                                                           | 180.20                                                                                   | 258.00                                                        |
| June                                            | 207.08                                                           | 214.25                                                                                   | 257.50                                                        |
| Average,<br>2d quarter                          | 196.88                                                           | 195.23                                                                                   | 259.17                                                        |
| July                                            | 190.00                                                           | 172.60                                                                                   | 255.40                                                        |
| August                                          | 212.50                                                           | 211.50                                                                                   | 270.25                                                        |
| September                                       | 232.25                                                           | 247.50                                                                                   | 283.50                                                        |
| Average,<br>3d quarter                          | 211.58                                                           | 210.53                                                                                   | 269.72                                                        |
| October                                         | 206.60                                                           | 184.40                                                                                   | 272.80                                                        |
| November                                        | 231.75                                                           | 201.75                                                                                   | 305.50                                                        |
| December                                        | 248.20                                                           | 225.40                                                                                   | 324.20                                                        |
| Average,<br>4th quarter                         | 228.85                                                           | 203.85                                                                                   | 300.83                                                        |
| 1992 average                                    | 212.10                                                           | 202.34                                                                                   | 274.83                                                        |
| ----- 4th quarter 1992 change, in percent ----- |                                                                  |                                                                                          |                                                               |
| From:                                           |                                                                  |                                                                                          |                                                               |
| 3d quarter 1992                                 | 8.2                                                              | -3.2                                                                                     | 11.5                                                          |
| 4th quarter 1991                                | 32.7                                                             | 28.7                                                                                     | 32.3                                                          |

<sup>a</sup> Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

**Table 9--Percentage of total volume and f.o.b. mill prices for Douglas-fir lumber, coast mills, 1981-92<sup>a</sup>**

(Volume in thousand board feet; price in dollars per thousand board feet)

| Year         | C selects |       | D selects and shop |       | Structural items |       | Heavy framing |       | Light framing |       | Utility |       | Economy |       | Total volume, all grades |
|--------------|-----------|-------|--------------------|-------|------------------|-------|---------------|-------|---------------|-------|---------|-------|---------|-------|--------------------------|
|              | Percent   | Price | Percent            | Price | Percent          | Price | Percent       | Price | Percent       | Price | Percent | Price | Percent | Price |                          |
| 1981         | 4.5       | 747   | 4.1                | 426   | 12.9             | 329   | 22.0          | 263   | 37.7          | 193   | 14.8    | 137   | 4.0     | 83    | 1,662,233                |
| 1982         | 4.5       | 648   | 4.3                | 375   | 12.3             | 283   | 22.3          | 198   | 38.1          | 159   | 14.6    | 126   | 3.9     | 78    | 1,551,419                |
| 1983         | 3.3       | 685   | 3.5                | 426   | 12.4             | 262   | 23.8          | 222   | 42.4          | 201   | 10.6    | 162   | 3.9     | 87    | 2,752,061                |
| 1984         | 2.6       | 688   | 3.4                | 407   | 15.3             | 249   | 22.5          | 223   | 42.8          | 189   | 9.4     | 137   | 4.0     | 72    | 3,168,494                |
| 1985         | 2.4       | 671   | 3.2                | 410   | 16.4             | 249   | 23.9          | 226   | 41.8          | 190   | 8.5     | 131   | 3.8     | 68    | 2,927,403                |
| 1986         | 2.1       | 726   | 2.3                | 405   | 15.6             | 240   | 24.0          | 229   | 43.7          | 191   | 8.6     | 132   | 3.6     | 67    | 3,584,260                |
| 1987         | 2.0       | 837   | 2.8                | 411   | 14.5             | 257   | 23.3          | 258   | 45.4          | 206   | 8.2     | 138   | 3.8     | 66    | 3,975,895                |
| 1988         | 1.8       | 927   | 2.1                | 474   | 16.7             | 297   | 21.8          | 285   | 46.2          | 219   | 7.1     | 138   | 4.3     | 85    | 3,691,263                |
| 1989         | 1.0       | 1,078 | 1.6                | 503   | 15.9             | 325   | 22.9          | 330   | 47.4          | 246   | 7.0     | 168   | 4.2     | 110   | 3,659,762                |
| 1990         | 1.0       | 1,236 | 1.5                | 521   | 16.1             | 305   | 22.5          | 310   | 47.9          | 232   | 6.5     | 156   | 4.5     | 102   | 3,038,613                |
| 1991         | .6        | 1,200 | 1.2                | 535   | 14.3             | 316   | 23.5          | 306   | 48.7          | 230   | 7.3     | 158   | 4.4     | 101   | 2,674,855                |
| 1992:        |           |       |                    |       |                  |       |               |       |               |       |         |       |         |       |                          |
| 1st quarter  | .2        | 1,643 | 1.0                | 560   | 11.4             | 329   | 26.3          | 351   | 49.4          | 263   | 7.6     | 193   | 4.1     | 114   | 677,980                  |
| 2d quarter   | .4        | 1,458 | 1.0                | 624   | 10.9             | 350   | 24.5          | 346   | 52.4          | 269   | 6.8     | 208   | 3.9     | 141   | 659,654                  |
| 3d quarter   | .3        | 1,338 | 1.1                | 551   | 13.3             | 347   | 21.6          | 331   | 52.3          | 278   | 6.9     | 207   | 4.5     | 117   | 618,650                  |
| 4th quarter  | .2        | 1,304 | .9                 | 566   | 11.8             | 367   | 23.1          | 367   | 52.7          | 288   | 6.7     | 210   | 4.5     | 124   | 551,205                  |
| 1992 average | .3        | 1,350 | 1.0                | 576   | 11.6             | 348   | 24.3          | 349   | 51.9          | 273   | 6.6     | 205   | 4.2     | 123   | 2,507,869                |

<sup>a</sup> Figures are a volume-weighted average of green and dry surfaced and rough grades.

Source Data are compiled by Western Wood Products Association from copies of invoices submitted to the Association by mills accounting for about 65 to 70 percent of the region's production; individual groupings from Pacific Northwest Research Station.

Table 10--Percentage of total volume for ponderosa pine lumber, inland mills, 1981-92<sup>a</sup>

(In thousand board feet)

| Year        | 4/4 selects and 1 shop |          |                             |         |        | 5/4 and thicker moulding and shops |        |        |        |         | 4/4 commons and 8/4 std. & btr. |                 |                          |                       | Low value       |                  | Total volume, all grades |
|-------------|------------------------|----------|-----------------------------|---------|--------|------------------------------------|--------|--------|--------|---------|---------------------------------|-----------------|--------------------------|-----------------------|-----------------|------------------|--------------------------|
|             | C and btr. 6-12 in.    | D 12 in. | C and btr. 4 in. D 6-10 in. | D 4 in. | 1 shop | Mldg. and btr.                     | 1 shop | 2 shop | 3 shop | Shopout | 2 com. 12 in.                   | 2 com. 4-10 in. | 3 com. 6-12 in. 8/4 dim. | 3 com. 4 in. 4-12 in. | No. 3 and util. | 5 com. and econ. |                          |
| 1981        | 1.0                    | .3       | .8                          | 1.1     | 3.3    | 5.9                                | 3.1    | 14.8   | 13.4   | 4.7     | 3.9                             | 8.7             | 25.7                     | 10.0                  | 1.5             | 1.8              | 1,474,420                |
| 1982        | 1.1                    | .3       | .7                          | .9      | 3.1    | 5.8                                | 3.2    | 15.7   | 13.5   | 5.1     | 4.2                             | 8.0             | 26.9                     | 8.8                   | 1.3             | 1.6              | 1,488,103                |
| 1983        | 1.0                    | .3       | .7                          | .9      | 2.8    | 5.8                                | 3.3    | 17.2   | 15.6   | 5.3     | 3.9                             | 7.8             | 25.4                     | 7.1                   | 1.2             | 1.5              | 1,876,743                |
| 1984        | 1.0                    | .3       | .6                          | .9      | 2.7    | 5.3                                | 3.5    | 17.6   | 15.4   | 4.2     | 4.1                             | 7.2             | 26.8                     | 7.1                   | 1.6             | 1.7              | 1,970,046                |
| 1985        | .9                     | .3       | .6                          | .9      | 2.7    | 5.1                                | 3.4    | 18.2   | 16.2   | 4.1     | 3.8                             | 7.2             | 26.7                     | 7.0                   | 1.4             | 1.4              | 2,018,896                |
| 1986        | 1.0                    | .3       | .6                          | .8      | 2.8    | 4.9                                | 3.3    | 17.9   | 16.6   | 4.5     | 4.3                             | 6.7             | 27.6                     | 6.1                   | 1.4             | 1.3              | 2,164,591                |
| 1987        | .9                     | .2       | .4                          | .7      | 2.4    | 5.7                                | 3.1    | 17.9   | 17.5   | 4.7     | 4.0                             | 6.0             | 28.1                     | 5.3                   | 1.6             | 1.4              | 2,331,497                |
| 1988        | .8                     | .2       | .4                          | .7      | 2.7    | 5.8                                | 2.7    | 17.2   | 18.0   | 5.4     | 3.9                             | 5.5             | 28.4                     | 5.2                   | 1.7             | 1.5              | 2,252,696                |
| 1989        | .6                     | .2       | .3                          | .7      | 2.2    | 5.6                                | 2.9    | 17.8   | 19.9   | 6.7     | 3.8                             | 5.8             | 25.9                     | 5.0                   | 1.2             | 1.4              | 2,204,308                |
| 1990        | .6                     | .1       | .3                          | .6      | 2.0    | 5.3                                | 2.7    | 17.8   | 21.3   | 7.0     | 3.7                             | 5.4             | 25.0                     | 5.2                   | 1.1             | 1.7              | 2,045,830                |
| 1991        | .7                     | .1       | .3                          | .7      | 2.1    | 6.0                                | 2.9    | 17.8   | 22.7   | 7.8     | 3.6                             | 5.6             | 22.0                     | 4.7                   | 1.3             | 1.6              | 1,789,289                |
| 1992:       |                        |          |                             |         |        |                                    |        |        |        |         |                                 |                 |                          |                       |                 |                  |                          |
| 1st quarter | .4                     | 1        | .3                          | .6      | 1.7    | 6.6                                | 3.0    | 18.7   | 26.5   | 10.4    | 2.6                             | 4.3             | 17.6                     | 4.1                   | 1.0             | 2.1              | 397,595                  |
| 2d quarter  | .5                     | 1        | .3                          | .8      | 2.1    | 6.5                                | 3.2    | 20.9   | 26.8   | 7.5     | 3.1                             | 6.0             | 15.7                     | 3.8                   | .9              | 1.7              | 373,345                  |
| 3d quarter  | .6                     | .1       | .3                          | .7      | 2.0    | 6.5                                | 2.4    | 15.3   | 22.3   | 6.3     | 3.2                             | 8.5             | 22.7                     | 6.1                   | 1.5             | 1.4              | 392,542                  |
| 4th quarter | .7                     | .1       | .4                          | .8      | 1.9    | 5.1                                | 2.1    | 14.3   | 22.3   | 7.4     | 4.0                             | 10.4            | 21.7                     | 6.2                   | 1.3             | .9               | 408,958                  |
| 1992 total  | .5                     | 1        | .3                          | .7      | 1.8    | 5.9                                | 2.5    | 16.5   | 23.2   | 9.8     | 3.1                             | 7.0             | 20.9                     | 4.9                   | 1.1             | 1.4              | 1,643,951                |

<sup>a</sup> Figures are a volume-weighted average of green and dry surfaced and rough grades.

Source: Data are compiled by Western Wood Products Association from copies of invoices submitted to the association by mills accounting for about 80 percent of the region's production; individual groupings from Pacific Northwest Research Station.

**Table 11--F.O.B. mill prices for ponderosa pine lumber, inland mills, 1981-92**

(In dollars per thousand board feet)

| Year         | 4/4 selects and 1 shop    |             |                                 |            |           | 5/4 and thicker moulding and shops |           |           |           |         | 4/4 commons and 8/4 std. & btr. |                    |                                   |                                       | Low value             |                        |
|--------------|---------------------------|-------------|---------------------------------|------------|-----------|------------------------------------|-----------|-----------|-----------|---------|---------------------------------|--------------------|-----------------------------------|---------------------------------------|-----------------------|------------------------|
|              | C and<br>btr.<br>6-12 in. | D<br>12 in. | C and<br>4 in.<br>D<br>6-10 in. | D<br>4 in. | 1<br>shop | Mldg.<br>and<br>btr.               | 1<br>shop | 2<br>shop | 3<br>shop | Shopout | 2 com.<br>12 in.                | 2 com.<br>4-10 in. | 3 com.<br>6-12 in.<br>8/4<br>dim. | 3 com.<br>4 in.<br>4 com.<br>4-12 in. | No. 3<br>and<br>util. | 5 com.<br>and<br>econ. |
| 1981         | 1,110                     | 965         | 608                             | 467        | 333       | 817                                | 589       | 509       | 355       | 218     | 385                             | 278                | 245                               | 164                                   | 127                   | 89                     |
| 1982         | 1,187                     | 865         | 610                             | 401        | 330       | 813                                | 549       | 473       | 308       | 203     | 450                             | 289                | 237                               | 165                                   | 122                   | 87                     |
| 1983         | 1,214                     | 1,404       | 659                             | 513        | 363       | 1,056                              | 662       | 570       | 401       | 225     | 388                             | 305                | 222                               | 160                                   | 155                   | 90                     |
| 1984         | 1,363                     | 1,163       | 724                             | 499        | 368       | 949                                | 622       | 506       | 349       | 203     | 432                             | 319                | 235                               | 149                                   | 124                   | 83                     |
| 1985         | 1,463                     | 863         | 779                             | 506        | 342       | 1,087                              | 614       | 498       | 366       | 204     | 456                             | 312                | 208                               | 143                                   | 127                   | 75                     |
| 1986         | 1,509                     | 1,169       | 1,021                           | 654        | 636       | 1,093                              | 688       | 576       | 404       | 207     | 430                             | 325                | 227                               | 163                                   | 130                   | 79                     |
| 1987         | 1,563                     | 1,336       | 1,088                           | 703        | 442       | 1,306                              | 762       | 644       | 413       | 224     | 447                             | 367                | 247                               | 175                                   | 131                   | 79                     |
| 1988         | 1,892                     | 1,510       | 1,076                           | 689        | 452       | 1,282                              | 746       | 625       | 411       | 229     | 505                             | 363                | 246                               | 174                                   | 137                   | 87                     |
| 1989         | 1,805                     | 1,523       | 1,016                           | 740        | 438       | 1,265                              | 730       | 589       | 434       | 258     | 532                             | 331                | 261                               | 189                                   | 155                   | 105                    |
| 1990         | 1,478                     | 1,453       | 996                             | 683        | 435       | 1,051                              | 677       | 542       | 414       | 247     | 534                             | 356                | 248                               | 187                                   | 145                   | 99                     |
| 1991         | 1,335                     | 1,259       | 911                             | 654        | 425       | 1,090                              | 795       | 655       | 517       | 259     | 523                             | 372                | 272                               | 184                                   | 147                   | 99                     |
| 1992:        |                           |             |                                 |            |           |                                    |           |           |           |         |                                 |                    |                                   |                                       |                       |                        |
| 1st quarter  | 1,590                     | 1,378       | 1,075                           | 817        | 592       | 1,384                              | 977       | 852       | 697       | 369     | 645                             | 473                | 365                               | 214                                   | 192                   | 123                    |
| 2d quarter   | 1,796                     | 1,496       | 1,203                           | 905        | 669       | 1,449                              | 999       | 874       | 710       | 373     | 664                             | 414                | 402                               | 260                                   | 240                   | 151                    |
| 3d quarter   | 1,780                     | 2,038       | 1,221                           | 870        | 640       | 1,237                              | 946       | 823       | 549       | 280     | 663                             | 397                | 314                               | 226                                   | 184                   | 132                    |
| 4th quarter  | 1,785                     | 1,116       | 1,253                           | 830        | 583       | 1,425                              | 947       | 818       | 548       | 289     | 747                             | 427                | 323                               | 215                                   | 186                   | 128                    |
| 1992 average | 1,749                     | 1,484       | 1,195                           | 856        | 622       | 1,371                              | 970       | 845       | 631       | 335     | 686                             | 423                | 337                               | 226                                   | 196                   | 133                    |

Source: Data are compiled by Western Wood Products Association from copies of invoices submitted to the association by mills accounting for about 80 percent of the region's production; individual groupings from Pacific Northwest Research Station.

**Table 12--Percentage of total volume and f.o.b. mill prices for hem-fir lumber, inland mills, 1981-92<sup>a</sup>**

(Volume in thousand board feet; price in dollars per thousand board feet)

| Year         | Moulding |       | Shop    |       | Structural items |       | Heavy framing |       | Light framing |       | Utility |       | Economy |       | Total volume, all grades |
|--------------|----------|-------|---------|-------|------------------|-------|---------------|-------|---------------|-------|---------|-------|---------|-------|--------------------------|
|              | Percent  | Price | Percent | Price | Percent          | Price | Percent       | Price | Percent       | Price | Percent | Price | Percent | Price |                          |
| 1981         | 2.4      | 602   | 8.9     | 318   | 0.7              | 217   | 20.0          | 233   | 43.2          | 185   | 17.4    | 129   | 7.3     | 89    | 774,018                  |
| 1982         | 1.8      | 584   | 6.4     | 245   | .5               | 185   | 20.6          | 189   | 49.2          | 163   | 15.1    | 116   | 6.3     | 77    | 659,593                  |
| 1983         | 1.9      | 655   | 7.0     | 346   | .7               | 246   | 20.9          | 228   | 50.3          | 204   | 14.0    | 155   | 5.2     | 90    | 812,622                  |
| 1984         | 2.2      | 555   | 6.4     | 269   | .9               | 225   | 22.0          | 210   | 49.5          | 185   | 13.1    | 129   | 5.9     | 76    | 1,065,130                |
| 1985         | 1.7      | 511   | 5.7     | 323   | .9               | 225   | 24.5          | 221   | 50.2          | 188   | 11.5    | 128   | 5.5     | 76    | 1,101,286                |
| 1986         | 1.9      | 605   | 4.8     | 308   | .8               | 240   | 28.1          | 242   | 48.5          | 198   | 10.3    | 132   | 5.6     | 72    | 1,382,074                |
| 1987         | 1.7      | 706   | 4.9     | 354   | .6               | 261   | 29.3          | 280   | 47.8          | 214   | 10.0    | 132   | 5.6     | 75    | 1,562,432                |
| 1988         | 1.7      | 712   | 4.8     | 350   | 1.6              | 270   | 29.7          | 274   | 47.3          | 215   | 9.6     | 134   | 5.3     | 85    | 1,613,020                |
| 1989         | 1.9      | 743   | 5.6     | 393   | 1.9              | 277   | 30.4          | 279   | 46.1          | 230   | 9.3     | 154   | 4.9     | 102   | 1,710,614                |
| 1990         | 1.4      | 910   | 5.4     | 399   | 1.8              | 283   | 29.7          | 260   | 47.6          | 221   | 8.8     | 143   | 5.1     | 93    | 1,563,427                |
| 1991         | 1.3      | 790   | 4.6     | 431   | 2.0              | 282   | 30.9          | 265   | 46.1          | 226   | 9.7     | 139   | 5.4     | 95    | 1,520,080                |
| 1992:        |          |       |         |       |                  |       |               |       |               |       |         |       |         |       |                          |
| 1st quarter  | 1.5      | 862   | 5.5     | 514   | 3.3              | 316   | 29.9          | 326   | 45.7          | 258   | 9.5     | 172   | 4.5     | 116   | 359,072                  |
| 2d quarter   | 1.5      | 952   | 6.3     | 555   | 2.8              | 342   | 33.4          | 333   | 42.0          | 286   | 8.8     | 218   | 5.3     | 149   | 356,546                  |
| 3d quarter   | 1.4      | 819   | 5.0     | 400   | 3.1              | 300   | 32.0          | 276   | 44.3          | 269   | 8.8     | 178   | 5.4     | 129   | 388,910                  |
| 4th quarter  | 1.2      | 989   | 4.3     | 460   | 3.1              | 310   | 29.9          | 291   | 47.6          | 272   | 8.7     | 177   | 5.2     | 128   | 329,278                  |
| 1992 average | 1.4      | 898   | 5.3     | 487   | 3.1              | 316   | 31.3          | 306   | 44.9          | 271   | 8.9     | 186   | 5.1     | 131   | 1,433,806                |

<sup>a</sup> Figures are a volume-weighted average of green and dry surfaced and rough grades.

Source: Data are compiled by Western Wood Products Association from copies of invoices submitted to the Association by mills accounting for about 80 percent of the region's production; individual groupings from Pacific Northwest Research Station.

**Table 13--Percentage of total volume and f.o.b. mill prices for hem-fir lumber, coast mills, 1981-92<sup>a</sup>**

(Volume in thousand board feet; price in dollars per thousand board feet)

| Year         | C selects |       | D selects and shop |       | Structural items |       | Heavy framing |       | Light framing |       | Utility |       | Economy |       | Total volume, all grades |
|--------------|-----------|-------|--------------------|-------|------------------|-------|---------------|-------|---------------|-------|---------|-------|---------|-------|--------------------------|
|              | Percent   | Price | Percent            | Price | Percent          | Price | Percent       | Price | Percent       | Price | Percent | Price | Percent | Price |                          |
| 1981         | 1.2       | 661   | 5.4                | 362   | 6.2              | 229   | 7.8           | 244   | 58.0          | 183   | 14.6    | 131   | 6.8     | 79    | 582,672                  |
| 1982         | .4        | 712   | 4.9                | 319   | 6.0              | 202   | 7.2           | 209   | 59.1          | 158   | 17.1    | 123   | 5.3     | 70    | 577,243                  |
| 1983         | .4        | 737   | 4.0                | 386   | 5.6              | 245   | 8.8           | 240   | 61.6          | 205   | 13.8    | 156   | 5.8     | 97    | 857,819                  |
| 1984         | .4        | 683   | 4.2                | 348   | 5.3              | 227   | 12.9          | 228   | 60.8          | 187   | 10.0    | 128   | 6.3     | 79    | 959,799                  |
| 1985         | .4        | 638   | 4.0                | 337   | 3.3              | 226   | 15.0          | 232   | 63.0          | 189   | 8.4     | 123   | 6.0     | 79    | 830,607                  |
| 1986         | .4        | 606   | 2.5                | 343   | 3.1              | 242   | 16.2          | 248   | 64.0          | 197   | 8.4     | 129   | 5.4     | 75    | 1,000,702                |
| 1987         | .3        | 601   | 2.3                | 414   | 2.9              | 273   | 14.8          | 286   | 64.9          | 215   | 9.3     | 131   | 5.3     | 76    | 1,011,504                |
| 1988         | .3        | 633   | 2.2                | 461   | 3.2              | 273   | 14.2          | 289   | 66.4          | 221   | 8.2     | 137   | 5.5     | 89    | 946,868                  |
| 1989         | .3        | 718   | 2.0                | 466   | 4.2              | 274   | 16.9          | 298   | 63.6          | 234   | 7.4     | 155   | 5.8     | 105   | 903,323                  |
| 1990         | .2        | 820   | 1.5                | 500   | 5.5              | 270   | 16.4          | 283   | 62.8          | 224   | 7.5     | 150   | 6.1     | 97    | 784,600                  |
| 1991         | .2        | 800   | 1.6                | 463   | 4.8              | 283   | 16.3          | 277   | 62.3          | 230   | 8.7     | 147   | 6.2     | 96    | 696,775                  |
| 1992:        |           |       |                    |       |                  |       |               |       |               |       |         |       |         |       |                          |
| 1st quarter  | .1        | 1,111 | 1.6                | 466   | 4.8              | 307   | 19.6          | 336   | 60.2          | 257   | 7.8     | 180   | 5.9     | 117   | 215,434                  |
| 2d quarter   | .1        | 841   | 1.7                | 502   | 6.1              | 335   | 16.2          | 322   | 63.1          | 277   | 6.9     | 217   | 5.9     | 146   | 224,659                  |
| 3d quarter   | .1        | 1,093 | 1.2                | 490   | 6.3              | 314   | 16.7          | 286   | 62.5          | 261   | 6.8     | 182   | 6.4     | 128   | 237,235                  |
| 4th quarter  | .1        | 781   | 1.3                | 492   | 6.0              | 324   | 16.5          | 304   | 63.9          | 267   | 6.4     | 177   | 5.8     | 126   | 245,135                  |
| 1992 average | 1         | 883   | 1.5                | 488   | 5.8              | 321   | 17.3          | 312   | 62.5          | 266   | 6.9     | 188   | 6.0     | 129   | 922,463                  |

<sup>a</sup> Figures are a volume-weighted average of green and dry surfaced and rough grades.

Source: Data are compiled by Western Wood Products Association from copies of invoices submitted to the Association by mills accounting for approximately 65 to 70 percent of the region's production; individual groupings from Pacific Northwest Research Station.

**Table 14--Average prices for domestic and exported alder, western region, 1986-92**

(Prices in dollars per thousand board feet, f.o.b. mill)

| Year and quarter | Domestic alder               |                          | Exported alder |          |
|------------------|------------------------------|--------------------------|----------------|----------|
|                  | 1 by 4 green<br>pallet stock | 4/4 select<br>and better | Logs           | Lumber   |
| 1986             | 190.50                       | 748.00                   | NA             | NA       |
| 1987             | 218.13                       | 761.88                   | NA             | 677.11   |
| 1988             | 245.00                       | 772.31                   | NA             | 850.93   |
| 1989             | 254.61                       | 888.31                   | 690.73         | 791.70   |
| 1990             | 255.00                       | 944.71                   | 413.42         | 851.06   |
| 1991:            |                              |                          |                |          |
| 1st quarter      | 203.46                       | 915.00                   | 339.44         | 843.71   |
| 2d quarter       | 235.00                       | 927.31                   | 437.56         | 857.83   |
| 3d quarter       | 232.00                       | 948.00                   | 579.82         | 864.58   |
| 4th quarter      | 225.00                       | 965.00                   | 541.83         | 917.79   |
| 1991 average     | 223.87                       | 938.83                   | 424.29         | 875.80   |
| 1992:            |                              |                          |                |          |
| 1st quarter      | 231.00                       | 976.50                   | 421.82         | 977.56   |
| 2d quarter       | 236.67                       | 1,018.83                 | 644.32         | 1,032.18 |
| 3d quarter       | 245.00                       | 1,040.00                 | 406.63         | 1,035.72 |
| 4th quarter      | 246.25                       | 1,073.75                 | 616.83         | 1,084.85 |
| 1992 average     | 239.73                       | 1,027.27                 | 506.50         | 1,035.20 |

NA = not available.

Source: Weekly Hardwood Review and U.S. Department of Commerce.

**Table 15--Washington and Oregon timber harvest by ownership, 1982-92**

(In million board feet, Scribner scale)

| State and year | Private | State | National Forest | Bureau of Land Management | Bureau of Indian Affairs | Other public | Total  |
|----------------|---------|-------|-----------------|---------------------------|--------------------------|--------------|--------|
| Washington:    |         |       |                 |                           |                          |              |        |
| 1982           | 3,740   | 440   | 728             | 1                         | 152                      | 18           | 5,079  |
| 1983           | 4,025   | 549   | 1,240           | 8                         | 238                      | 28           | 6,088  |
| 1984           | 3,545   | 795   | 1,189           | 2                         | 205                      | 66           | 5,802  |
| 1985           | 3,561   | 1,013 | 1,128           | 5                         | 213                      | 43           | 5,963  |
| 1986           | 3,989   | 1,064 | 1,232           | 4                         | 235                      | 32           | 6,556  |
| 1987           | 4,367   | 970   | 1,423           | 5                         | 238                      | 35           | 7,037  |
| 1988           | 4,406   | 826   | 1,486           | 0                         | 271                      | 56           | 7,045  |
| 1989           | 4,520   | 842   | 1,141           | 1                         | 262                      | 22           | 6,788  |
| 1990           | 4,147   | 657   | 817             | 4                         | 182                      | 42           | 5,849  |
| 1991           | 3,650   | 535   | 704             | 1                         | 172                      | 42           | 5,104  |
| 1992           | P3,800  | NA    | 461             | NA                        | NA                       | NA           | P4,900 |
| Oregon:        |         |       |                 |                           |                          |              |        |
| 1982           | 3,440   | 175   | 1,688           | 312                       | 126                      | 17           | 5,758  |
| 1983           | 3,374   | 257   | 2,902           | 789                       | 112                      | 31           | 7,464  |
| 1984           | 3,078   | 249   | 3,164           | 920                       | 101                      | 38           | 7,550  |
| 1985           | 3,332   | 268   | 3,480           | 891                       | 121                      | 34           | 8,127  |
| 1986           | 3,494   | 225   | 3,850           | 1,042                     | 104                      | 28           | 8,743  |
| 1987           | 3,281   | 199   | 3,451           | 1,115                     | 117                      | 52           | 8,215  |
| 1988           | 3,259   | 270   | 3,487           | 1,439                     | 121                      | 39           | 8,615  |
| 1989           | 3,721   | 198   | 3,307           | 1,026                     | 124                      | 44           | 8,420  |
| 1990           | 3,229   | 137   | 2,014           | 704                       | 98                       | 37           | 6,219  |
| 1991           | 3,312   | 91    | 2,068           | 486                       | 87                       | 36           | 6,080  |
| 1992           | NA      | 135   | 1,403           | 482                       | NA                       | NA           | P5,500 |

P = preliminary.

NA = not available.

Source: Washington Department of Natural Resources and Oregon Department of Forestry.

**Table 16--British Columbia timber harvest,  
1981-91**

(In thousand cubic meters)

| Year | Coast <sup>a</sup> | Interior <sup>b</sup> | Total  |
|------|--------------------|-----------------------|--------|
| 1981 | 31 243             | 41 341                | 72 584 |
| 1982 | 21 352             | 34 879                | 56 231 |
| 1983 | 26 846             | 44 597                | 71 443 |
| 1984 | 27 229             | 47 328                | 74 557 |
| 1985 | 27 722             | 49 146                | 76 868 |
| 1986 | 26 561             | 50 942                | 77 503 |
| 1987 | 33 791             | 56 800                | 90 591 |
| 1988 | 32 812             | 53 994                | 86 806 |
| 1989 | 29 904             | 57 474                | 87 414 |
| 1990 | 25 209             | 53 108                | 78 316 |
| 1991 | 24 760             | 48 916                | 73 676 |

<sup>a</sup> Comprises the Vancouver Forest District and 1/2 of Prince Rupert Forest District.

<sup>b</sup> Comprises Cariboo, Kamloops, Nelson, and Prince George Forest Districts and 1/2 of Prince Rupert Forest District.

Source: Ministry of Forests Annual Report, Province of British Columbia (respective years).

**Table 17—Montana and Idaho timber harvest by ownership, 1981-91**

(In million board feet, Scribner scale)

| State and year  | Private | State | Bureau of Indian Affairs | Bureau of Land Management | National Forest | Total   |
|-----------------|---------|-------|--------------------------|---------------------------|-----------------|---------|
| <b>Montana:</b> |         |       |                          |                           |                 |         |
| 1981            | 434.0   | 28.9  | 38.0                     | 9.1                       | 432.5           | 942.5   |
| 1982            | 492.4   | 29.5  | 29.8                     | 10.6                      | 274.5           | 836.8   |
| 1983            | 568.7   | 27.1  | 37.9                     | 14.8                      | 569.2           | 1,217.7 |
| 1984            | 555.6   | 24.9  | 45.0                     | 5.3                       | 479.3           | 1,110.0 |
| 1985            | 560.1   | 26.0  | 18.8                     | 7.9                       | 551.4           | 1,164.2 |
| 1986            | 708.0   | 26.2  | 13.1                     | 9.1                       | 515.4           | 1,271.8 |
| 1987            | 687.4   | 55.6  | 24.0                     | 6.6                       | 638.3           | 1,411.9 |
| 1988            | 608.5   | 41.5  | 56.0                     | 7.7                       | 513.3           | 1,227.0 |
| 1989            | 636.7   | 44.0  | 70.8                     | 6.5                       | 555.9           | 1,313.8 |
| 1990            | 611.9   | 31.5  | 45.6                     | 5.1                       | 444.8           | 1,138.9 |
| 1991            | 523.9   | 26.9  | 43.8                     | 7.1                       | 338.0           | 939.6   |
| <b>Idaho:</b>   |         |       |                          |                           |                 |         |
| 1981            | 727.7   | 149.5 | 8.6                      | 18.9                      | 564.0           | 1,468.7 |
| 1982            | 642.2   | 82.3  | 10.9                     | 17.7                      | 450.2           | 1,203.3 |
| 1983            | 727.0   | 155.0 | 19.2                     | 21.8                      | 791.1           | 1,714.1 |
| 1984            | 860.8   | 197.5 | 17.5                     | 13.3                      | 687.8           | 1,776.8 |
| 1985            | 646.2   | 170.4 | 14.1                     | 24.4                      | 733.6           | 1,588.7 |
| 1986            | 684.0   | 161.8 | 12.2                     | 22.8                      | 809.9           | 1,690.7 |
| 1987            | 722.2   | 176.7 | 18.9                     | 18.9                      | 788.4           | 1,725.0 |
| 1988            | 697.5   | 208.4 | 16.2                     | 13.6                      | 725.2           | 1,660.9 |
| 1989            | 819.7   | 249.5 | 13.5                     | 16.4                      | 810.2           | 1,909.2 |
| 1990            | 738.4   | 227.1 | 19.9                     | 10.5                      | 756.8           | 1,752.7 |
| 1991            | 865.5   | 163.5 | 15.8                     | 24.3                      | 739.0           | 1,808.1 |

Source: Respective agencies.

**Table 18--Alaska timber harvest by ownership, 1981-91**

(In thousand board feet, Scribner scale)

| Year | State  | Private | Bureau of Land Management |          |     |       | National Forest |         |         | Total     |
|------|--------|---------|---------------------------|----------|-----|-------|-----------------|---------|---------|-----------|
|      |        |         | Bureau of Indian Affairs  | Free use | Cut | Total | Tongass         | Chugach | Total   |           |
| 1981 | 53,687 | 152,900 | 702                       | 330      | 32  | 362   | 385,690         | 1,814   | 387,504 | 595,155   |
| 1982 | 35,198 | 220,500 | 2,895                     | 340      | 79  | 419   | 344,857         | 679     | 345,536 | 604,548   |
| 1983 | 35,511 | 243,400 | 5,900                     | 346      | 30  | 376   | 251,177         | 751     | 251,927 | 537,114   |
| 1984 | 28,044 | 222,400 | 0                         | 0        | 0   | 0     | 260,977         | 545     | 261,522 | 511,966   |
| 1985 | 12,864 | 275,300 | 871                       | 205      | 66  | 271   | 265,300         | 354     | 265,654 | 554,960   |
| 1986 | 18,995 | 331,200 | 0                         | 0        | 252 | 252   | 271,579         | 563     | 272,142 | 622,589   |
| 1987 | 25,800 | 452,100 | 0                         | 185      | 0   | 185   | 339,200         | 13,031  | 352,231 | 830,316   |
| 1988 | 25,177 | 517,000 | 0                         | 112      | 0   | 112   | 407,062         | 1,185   | 408,947 | 951,236   |
| 1989 | 17,728 | 613,000 | 3,600                     | 270      | 25  | 295   | 392,344         | 69,516  | 461,860 | 1,096,483 |
| 1990 | 11,163 | 547,500 | 300                       | 407      | 0   | 407   | 473,000         | 1,000   | 474,000 | 1,033,370 |
| 1991 | 7,026  | 579,700 | 7,253                     | 675      | 0   | 675   | 325,464         | 1,035   | 326,499 | 921,153   |

Source: Respective agencies.

**Table 19--California timber harvest by ownership, 1981-91**

(In million board feet, Scribner scale)

| Year | Private | State | Bureau of Land Management |            | National Forest <sup>a</sup> | Total |
|------|---------|-------|---------------------------|------------|------------------------------|-------|
|      |         |       | Bureau of Indian Affairs  | Management |                              |       |
| 1981 | 1,722   | 15    | 22                        | 7          | 1,093                        | 2,859 |
| 1982 | 1,501   | 42    | 8                         | 9          | 937                          | 2,497 |
| 1983 | 1,890   | 43    | 14                        | 25         | 1,676                        | 3,648 |
| 1984 | 2,093   | 34    | 21                        | 7          | 1,559                        | 3,714 |
| 1985 | 2,172   | 36    | 5                         | 17         | 1,826                        | 4,056 |
| 1986 | 2,313   | 29    | 27                        | 27         | 1,963                        | 4,359 |
| 1987 | 2,582   | 42    | 41                        | 15         | 1,969                        | 4,649 |
| 1988 | 2,598   | 31    | 14                        | 16         | 2,181                        | 4,840 |
| 1989 | 2,638   | 37    | 11                        | 12         | 2,024                        | 4,722 |
| 1990 | 2,673   | 24    | 14                        | 10         | 1,530                        | 4,251 |
| 1991 | 2,065   | 38    | NA                        | 11         | 1,336                        | NA    |

NA = not available.

<sup>a</sup> Includes sawtimber, poles, posts, fuelwood, cull logs, and other miscellaneous convertible products.

Source: Respective agencies.

**Table 20--Employment in forest products industries in Washington and Oregon, 1981-92**

(In thousands of persons)

| Year                                              | Washington and Oregon |                          |                           | Washington |                          |                           | Oregon |                          |                           |
|---------------------------------------------------|-----------------------|--------------------------|---------------------------|------------|--------------------------|---------------------------|--------|--------------------------|---------------------------|
|                                                   | Total                 | Lumber and wood products | Paper and allied products | Total      | Lumber and wood products | Paper and allied products | Total  | Lumber and wood products | Paper and allied products |
| 1981                                              | 135.7                 | 108.2                    | 27.5                      | 61.6       | 44.4                     | 17.2                      | 74.1   | 63.8                     | 10.3                      |
| 1982                                              | 120.4                 | 94.6                     | 25.8                      | 55.2       | 39.0                     | 16.2                      | 65.2   | 55.6                     | 9.6                       |
| 1983                                              | 128.7                 | 103.7                    | 25.0                      | 56.8       | 41.1                     | 15.7                      | 71.9   | 62.6                     | 9.3                       |
| 1984                                              | 132.9                 | 107.7                    | 25.2                      | 57.2       | 41.0                     | 16.2                      | 75.7   | 66.7                     | 9.0                       |
| 1985                                              | 126.1                 | 100.9                    | 25.2                      | 53.4       | 37.3                     | 16.0                      | 72.7   | 63.6                     | 9.1                       |
| 1986                                              | 126.0                 | 100.6                    | 25.4                      | 53.1       | 36.7                     | 16.4                      | 72.9   | 63.9                     | 9.0                       |
| 1987                                              | 131.9                 | 105.8                    | 26.2                      | 56.5       | 39.2                     | 17.3                      | 75.4   | 66.5                     | 8.9                       |
| 1988                                              | 134.0                 | 108.4                    | 25.6                      | 57.2       | 40.5                     | 16.7                      | 76.8   | 67.9                     | 8.9                       |
| 1989                                              | 135.7                 | 109.3                    | 26.5                      | 59.6       | 42.2                     | 17.4                      | 76.1   | 67.0                     | 9.1                       |
| 1990                                              | 131.6                 | 104.1                    | 27.5                      | 58.8       | 40.4                     | 18.4                      | 72.8   | 63.7                     | 9.1                       |
| 1991                                              | 122.3                 | 95.0                     | 27.3                      | 55.9       | 38.0                     | 17.9                      | 66.4   | 57.1                     | 9.3                       |
| 1992:                                             |                       |                          |                           |            |                          |                           |        |                          |                           |
| January                                           | R114.9                | R88.1                    | R26.8                     | 53.1       | 35.3                     | 17.8                      | R61.8  | R52.8                    | R9.0                      |
| February                                          | R115.5                | R88.9                    | R26.6                     | 53.1       | 35.4                     | 17.7                      | R62.4  | R53.5                    | R8.9                      |
| March                                             | R115.8                | R89.1                    | R26.7                     | 53.5       | 35.7                     | 17.8                      | R62.3  | R53.4                    | R8.9                      |
| Average, 1st quarter                              | R115.4                | R88.7                    | R26.7                     | 53.2       | 35.5                     | 17.8                      | R62.2  | R53.2                    | R8.9                      |
| April                                             | 116.7                 | R90.1                    | R26.6                     | 53.5       | 35.8                     | 17.7                      | 63.2   | R54.3                    | R8.9                      |
| May                                               | R117.4                | R91.1                    | R26.3                     | 53.7       | 36.3                     | 17.4                      | R63.7  | R54.8                    | R8.9                      |
| June                                              | R119.7                | R92.7                    | R27.0                     | 54.6       | 36.7                     | 17.9                      | R65.1  | R56.0                    | R9.1                      |
| Average, 2d quarter                               | 117.9                 | R91.3                    | R26.6                     | 53.9       | 36.3                     | 17.7                      | 64.0   | R55.0                    | R9.0                      |
| July                                              | R120.3                | R92.9                    | R27.4                     | 54.8       | 36.7                     | 18.1                      | R65.5  | R56.2                    | R9.3                      |
| August                                            | R118.3                | R91.3                    | R27.0                     | 54.1       | 36.3                     | 17.8                      | R64.2  | R55.0                    | R9.2                      |
| September                                         | R118.1                | R91.2                    | R26.9                     | 54.4       | 36.6                     | 17.8                      | R63.7  | R54.6                    | R9.1                      |
| Average, 3d quarter                               | R118.9                | R91.8                    | R27.1                     | 54.4       | 36.5                     | 17.9                      | R64.5  | R55.3                    | R9.2                      |
| October                                           | 116.9                 | 90.6                     | 26.3                      | 53.8       | 36.4                     | 17.4                      | 63.1   | 54.2                     | 8.9                       |
| November                                          | 115.6                 | 89.4                     | 26.2                      | 53.1       | 35.8                     | 17.3                      | 62.5   | 53.6                     | 8.9                       |
| December                                          | 115.5                 | 89.4                     | 26.1                      | 53.7       | 36.5                     | 17.2                      | 61.8   | 52.9                     | 8.9                       |
| Average, 4th quarter                              | 116.0                 | 89.8                     | 26.2                      | 53.5       | 36.2                     | 17.3                      | 62.5   | 53.6                     | 8.9                       |
| 1992 average                                      | 117.1                 | 90.4                     | 26.7                      | 53.8       | 36.1                     | 17.7                      | 63.3   | 54.3                     | 9.0                       |
| ----- 4th quarter 1992 change in employment ----- |                       |                          |                           |            |                          |                           |        |                          |                           |
| From:                                             |                       |                          |                           |            |                          |                           |        |                          |                           |
| 3d qtr. 1992                                      | -2.9                  | -2.0                     | -.9                       | -.9        | -.3                      | -.6                       | -2.0   | -1.7                     | -.3                       |
| 4th qtr. 1991                                     | -3.2                  | -2.4                     | -.9                       | -1.1       | -.6                      | -.5                       | -2.1   | -1.8                     | -.3                       |

R = revised.

Note: "Lumber and wood products" and "Paper and allied products" columns may not add to "Total" because of rounding.

Source: State employment agencies. Includes both covered and noncovered employment. The lumber and wood products industry includes logging, lumber, plywood, poles and piling, and miscellaneous wood products (excluding furniture). The paper and allied products industry includes pulp, paper, paperboard, and building board products. Data are based on place of residence.

22 Figure 1--Employment in forest products industry, Washington and Oregon, 1982-92

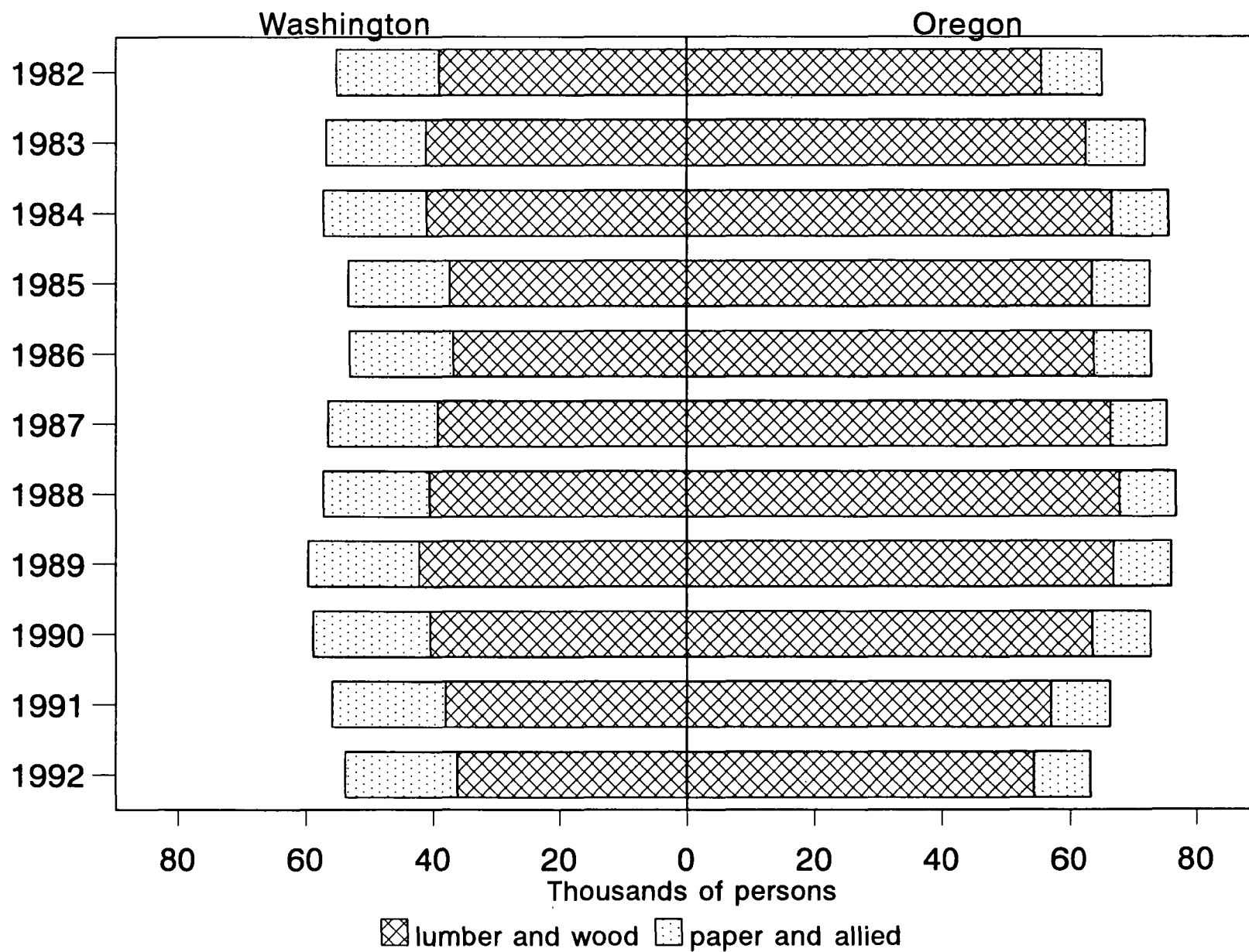


**Table 21--Employment in forest products industries in California and Alaska, 1981-92**

(In thousands of persons)

| Year                                              | California |                          |                           | Alaska |                          |                           |
|---------------------------------------------------|------------|--------------------------|---------------------------|--------|--------------------------|---------------------------|
|                                                   | Total      | Lumber and wood products | Paper and allied products | Total  | Lumber and wood products | Paper and allied products |
| 1981                                              | 96.6       | 57.9                     | 38.7                      | 2.8    | 1.9                      | .9                        |
| 1982                                              | 83.7       | 46.2                     | 37.5                      | 2.6    | 1.8                      | .8                        |
| 1983                                              | 87.5       | 50.2                     | 37.3                      | 2.7    | 1.9                      | .8                        |
| 1984                                              | 94.5       | 55.4                     | 39.1                      | 2.2    | 1.6                      | .6                        |
| 1985                                              | 95.7       | 55.9                     | 39.8                      | 2.3    | 1.7                      | .6                        |
| 1986                                              | 99.0       | 59.5                     | 39.6                      | 2.7    | 1.9                      | .8                        |
| 1987                                              | 107.5      | 66.2                     | 41.3                      | 3.1    | 2.2                      | .9                        |
| 1988                                              | 109.5      | 69.0                     | 40.6                      | 3.6    | 2.7                      | 1.0                       |
| 1989                                              | 112.5      | 70.7                     | 41.7                      | 3.9    | 2.9                      | 1.0                       |
| 1990                                              | 109.3      | 67.5                     | 41.8                      | 3.9    | 3.0                      | .9                        |
| 1991                                              | 97.5       | 56.7                     | 40.8                      | 3.3    | 2.4                      | .9                        |
| 1992:                                             |            |                          |                           |        |                          |                           |
| January                                           | 87.7       | 47.8                     | 39.9                      | 2.2    | 1.3                      | .9                        |
| February                                          | 87.6       | 47.4                     | 40.2                      | 2.4    | 1.5                      | .9                        |
| March                                             | 87.7       | 47.7                     | 40.0                      | 2.9    | 2.0                      | .9                        |
| Average, 1st quarter                              | 87.7       | 47.6                     | 40.0                      | 2.5    | 1.6                      | .9                        |
| April                                             | 89.1       | 49.2                     | 39.9                      | 3.1    | 2.2                      | .9                        |
| May                                               | 91.4       | 51.3                     | 40.2                      | 3.2    | 2.3                      | .9                        |
| June                                              | 92.9       | 52.4                     | 40.5                      | 3.3    | 2.4                      | .9                        |
| Average, 2d quarter                               | 91.1       | 51.0                     | 40.2                      | 3.2    | 2.3                      | .9                        |
| July                                              | R92.4      | R52.3                    | R40.1                     | 3.5    | 2.6                      | .9                        |
| August                                            | R92.3      | R52.1                    | R40.2                     | 3.5    | 2.6                      | .9                        |
| September                                         | R92.4      | R52.0                    | R40.4                     | 3.5    | 2.6                      | .9                        |
| Average, 3d quarter                               | R92.3      | R52.1                    | R40.2                     | 3.5    | 2.6                      | .9                        |
| October                                           | 90.7       | 50.7                     | 40.0                      | 3.4    | 2.5                      | .9                        |
| November                                          | 89.3       | 49.5                     | 39.8                      | 3.3    | 2.4                      | .9                        |
| December                                          | 88.1       | 48.1                     | 40.0                      | 2.9    | 2.0                      | .9                        |
| Average, 4th quarter                              | 89.4       | 49.4                     | 39.9                      | 3.2    | 2.3                      | .9                        |
| 1992 average                                      | 90.1       | 50.0                     | 40.1                      | 3.1    | 2.2                      | .9                        |
| ----- 4th quarter 1992 change in employment ----- |            |                          |                           |        |                          |                           |
| From:                                             |            |                          |                           |        |                          |                           |
| 3d quarter 1992                                   | -2.9       | -2.7                     | -.3                       | -.3    | -.3                      | 0                         |
| 4th quarter 1991                                  | -7.9       | -7.2                     | -.8                       | .1     | 0                        | 0                         |

R = revised.

Source: State employment agencies. Data are based on place of residence.

**Table 22—Employment in forest products industries in Montana and Idaho, 1981-92**

(In thousands of persons)

| Year                                              | Montana                  |                           |       | Idaho                    |                           |
|---------------------------------------------------|--------------------------|---------------------------|-------|--------------------------|---------------------------|
|                                                   | Lumber and wood products | Paper and allied products | Total | Lumber and wood products | Paper and allied products |
| 1981                                              | 8.8                      | a                         | 16.6  | 15.1                     | 1.5                       |
| 1982                                              | 6.8                      | a                         | 13.6  | 12.1                     | 1.5                       |
| 1983                                              | 8.0                      | a                         | 15.7  | 14.0                     | 1.7                       |
| 1984                                              | 8.3                      | a                         | 15.6  | 13.9                     | 1.7                       |
| 1985                                              | 8.4                      | a                         | 15.4  | 13.6                     | 1.8                       |
| 1986                                              | 8.1                      | a                         | 15.0  | 13.1                     | 1.8                       |
| 1987                                              | 8.4                      | a                         | 15.1  | 13.3                     | 1.8                       |
| 1988                                              | 7.9                      | a                         | 15.7  | 13.8                     | 1.9                       |
| 1989                                              | 8.3                      | a                         | 16.2  | 14.3                     | 2.0                       |
| 1990                                              | 8.4                      | a                         | 17.2  | 15.1                     | 2.2                       |
| 1991                                              | 7.4                      | a                         | 15.7  | 13.3                     | 2.4                       |
| 1992:                                             |                          |                           |       |                          |                           |
| January                                           | 7.3                      | a                         | R15.8 | R13.4                    | 2.4                       |
| February                                          | 7.2                      | a                         | R15.5 | R13.1                    | 2.4                       |
| March                                             | 7.0                      | a                         | R14.7 | R12.3                    | 2.4                       |
| Average, 1st quarter                              | 7.2                      | a                         | 15.3  | 12.9                     | 2.4                       |
| April                                             | 6.8                      | a                         | R15.3 | R12.8                    | R2.5                      |
| May                                               | 7.1                      | a                         | R16.1 | R13.7                    | 2.4                       |
| June                                              | 7.5                      | a                         | R16.9 | R14.5                    | R2.4                      |
| Average, 2d quarter                               | 7.1                      | a                         | R16.1 | R13.7                    | R2.4                      |
| July                                              | 7.6                      | a                         | R17.3 | R14.8                    | R2.5                      |
| August                                            | 7.6                      | a                         | R17.5 | R15.0                    | 2.5                       |
| September                                         | 7.5                      | a                         | R17.3 | R14.9                    | R2.4                      |
| Average, 3d quarter                               | 7.6                      | a                         | R17.4 | R14.9                    | 2.5                       |
| October                                           | 7.6                      | a                         | 17.1  | 14.7                     | 2.4                       |
| November                                          | 7.5                      | a                         | 16.9  | 14.5                     | 2.4                       |
| December                                          | 7.5                      | a                         | 16.8  | 14.4                     | 2.4                       |
| Average, 4th quarter                              | 7.5                      | a                         | 16.9  | 14.5                     | 2.4                       |
| 1992 average                                      | 7.4                      | a                         | 16.4  | 14.0                     | 2.4                       |
| ----- 4th quarter 1992 change in employment ----- |                          |                           |       |                          |                           |
| From:                                             |                          |                           |       |                          |                           |
| 3d quarter 1992                                   | -.1                      | a                         | -.5   | -.4                      | 0                         |
| 4th quarter 1991                                  | -.1                      | a                         | .6    | .6                       | 0                         |

R = revised.

Note: "Lumber and wood products" and "Paper and allied products" columns for Idaho may not add to "Total" because of rounding.

<sup>a</sup> Withheld to avoid disclosing figures for individual companies.

Source: State employment agencies. Data are based on place of residence.

**Table 23--Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92**

(In million board feet, Scribner scale)

| Year and quarter | From both customs districts |             |                 |                 | From Seattle Customs District |             |                 |                 | From Columbia-Snake Customs District |             |                 |                   |                 |
|------------------|-----------------------------|-------------|-----------------|-----------------|-------------------------------|-------------|-----------------|-----------------|--------------------------------------|-------------|-----------------|-------------------|-----------------|
|                  | Total                       | Douglas-fir | Western hemlock | Other softwoods | Total                         | Douglas-fir | Western hemlock | Other softwoods | Total                                | Douglas-fir | Western hemlock | Port-Orford-cedar | Other softwoods |
| TO ALL COUNTRIES |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981             | 1,987.2                     | 1,017.2     | 807.3           | 147.2           | 1,315.9                       | 579.0       | 623.5           | 113.4           | 671.3                                | 438.1       | 183.9           | 15.5              | 33.8            |
| 1982             | 2,567.6                     | 1,427.8     | 996.8           | 131.7           | 1,596.8                       | 729.8       | 765.1           | 101.8           | 970.9                                | 698.0       | 231.7           | 11.3              | 29.9            |
| 1983             | 2,591.5                     | 1,417.7     | 1,011.0         | 153.9           | 1,739.8                       | 796.3       | 824.2           | 119.2           | 851.7                                | 621.4       | 186.7           | 8.9               | 34.7            |
| 1984             | 2,722.2                     | 1,568.8     | 995.8           | 146.5           | 1,789.2                       | 847.3       | 828.8           | 113.0           | 933.1                                | 721.5       | 167.0           | 11.1              | 33.4            |
| 1985             | 3,004.1                     | 1,749.7     | 1,112.0         | 130.1           | 1,878.9                       | 844.3       | 839.2           | 95.4            | 1,125.3                              | 905.4       | 172.8           | 12.4              | 34.7            |
| 1986             | 2,780.1                     | 1,610.7     | 1,033.0         | 124.2           | 1,738.6                       | 765.7       | 879.0           | 94.0            | 1,041.5                              | 845.0       | 154.1           | 12.2              | 30.2            |
| 1987             | 3,167.6                     | 1,844.6     | 1,150.6         | 160.3           | 2,063.5                       | 983.3       | 965.3           | 114.9           | 1,104.1                              | 861.2       | 185.3           | 12.1              | 45.5            |
| 1988             | 3,682.2                     | 2,279.1     | 1,163.8         | 220.5           | 2,294.8                       | 1,216.8     | 921.9           | 156.0           | 1,387.4                              | 1,062.2     | 241.9           | 18.8              | 64.5            |
| 1989             | 3,614.1                     | 2,034.1     | 1,350.7         | 217.1           | 2,356.9                       | 1,158.1     | 1,029.6         | 169.0           | 1,257.2                              | 876.0       | 321.1           | 12.1              | 48.0            |
| 1990             | 3,008.4                     | 1,863.1     | 941.9           | 192.5           | 1,932.1                       | 1,076.8     | 717.6           | 137.7           | 1,076.2                              | 786.3       | 224.3           | 10.9              | 54.8            |
| 1991:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 702.9                       | 440.1       | 224.0           | 38.8            | 424.5                         | 233.0       | 167.2           | 24.3            | 278.4                                | 207.1       | 56.8            | 1.5               | 13.0            |
| 2d qtr.          | 657.3                       | 397.3       | 220.5           | 39.5            | 380.1                         | 193.1       | 164.0           | 23.0            | 277.2                                | 204.2       | 56.5            | 2.8               | 13.7            |
| 3d qtr.          | 587.2                       | 353.5       | 195.1           | 38.6            | 389.2                         | 209.7       | 154.7           | 24.8            | 198.0                                | 143.8       | 40.4            | 2.5               | 11.3            |
| 4th qtr.         | 595.0                       | 383.8       | 178.4           | 32.8            | 354.5                         | 198.3       | 136.7           | 19.5            | 240.5                                | 185.5       | 41.7            | 1.9               | 11.4            |
| 1991 total       | 2,542.4                     | 1,574.7     | 818.0           | 149.7           | 1,548.3                       | 834.2       | 622.5           | 91.6            | 994.1                                | 740.6       | 195.3           | 8.7               | 49.4            |
| 1992:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 568.7                       | 348.7       | 186.4           | 33.6            | 379.4                         | 200.7       | 155.9           | 22.8            | 189.3                                | 148.0       | 30.5            | 2.4               | 8.4             |
| 2d qtr.          | 551.3                       | 365.9       | 159.3           | 26.1            | 367.5                         | 211.9       | 136.7           | 18.9            | 183.8                                | 154.0       | 22.6            | 3.3               | 3.8             |
| 3d qtr.          | 543.5                       | 369.2       | 145.0           | 29.3            | 327.6                         | 191.0       | 117.6           | 18.9            | 215.9                                | 178.2       | 27.4            | 2.9               | 7.4             |
| 4th qtr.         | 518.2                       | 312.0       | 182.9           | 23.3            | 319.1                         | 157.7       | 146.3           | 15.1            | 199.1                                | 154.3       | 36.6            | 1.2               | 7.0             |
| 1992 total       | 2,181.7                     | 1,395.9     | 673.6           | 112.2           | 1,393.6                       | 761.3       | 556.5           | 75.8            | 788.1                                | 634.5       | 117.1           | 9.7               | 26.7            |
| TO JAPAN         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981             | 1,603.9                     | 846.5       | 629.0           | 113.0           | 1,003.4                       | 452.7       | 467.5           | 83.2            | 600.6                                | 393.8       | 161.5           | 15.5              | 29.8            |
| 1982             | 1,738.2                     | 990.6       | 647.0           | 89.3            | 992.9                         | 457.6       | 462.9           | 72.4            | 745.3                                | 533.0       | 184.1           | 11.3              | 16.9            |
| 1983             | 1,591.3                     | 895.7       | 587.4           | 99.2            | 933.7                         | 430.4       | 428.1           | 75.2            | 657.6                                | 465.3       | 159.3           | 8.9               | 24.1            |
| 1984             | 1,519.4                     | 912.0       | 521.8           | 74.7            | 889.1                         | 427.2       | 400.6           | 61.3            | 630.2                                | 484.8       | 121.2           | 10.8              | 13.4            |
| 1985             | 1,617.1                     | 1,014.8     | 521.2           | 69.1            | 916.4                         | 454.6       | 406.3           | 55.5            | 700.6                                | 560.2       | 114.9           | 11.9              | 13.6            |
| 1986             | 1,768.7                     | 1,216.2     | 465.0           | 75.4            | 945.0                         | 524.2       | 362.7           | 58.1            | 823.7                                | 692.0       | 102.3           | 12.1              | 17.2            |
| 1987             | 2,048.8                     | 1,374.4     | 562.6           | 100.8           | 1,138.5                       | 635.9       | 435.6           | 66.9            | 910.4                                | 738.5       | 127.0           | 11.0              | 33.8            |
| 1988             | 2,021.3                     | 1,398.0     | 472.0           | 134.2           | 1,109.4                       | 669.0       | 353.3           | 87.1            | 912.0                                | 729.0       | 118.7           | 17.1              | 47.2            |
| 1989             | 2,423.8                     | 1,606.7     | 663.3           | 142.7           | 1,471.9                       | 850.3       | 520.2           | 101.4           | 952.0                                | 756.4       | 143.1           | 11.2              | 41.3            |
| 1990             | 2,114.4                     | 1,526.1     | 451.2           | 127.2           | 1,271.1                       | 846.1       | 349.3           | 75.7            | 843.3                                | 680.0       | 101.9           | 9.9               | 51.5            |
| 1991:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 496.9                       | 375.3       | 94.1            | 27.5            | 276.2                         | 188.9       | 73.1            | 14.2            | 220.7                                | 186.4       | 21.0            | 1.2               | 12.1            |
| 2d qtr.          | 410.9                       | 301.6       | 85.0            | 24.3            | 216.9                         | 139.9       | 65.3            | 11.7            | 194.0                                | 161.7       | 19.7            | 2.5               | 10.1            |
| 3d qtr.          | 403.7                       | 290.4       | 89.8            | 23.5            | 252.7                         | 166.7       | 74.3            | 11.7            | 151.0                                | 123.7       | 15.5            | 1.9               | 9.9             |
| 4th qtr.         | 402.2                       | 295.9       | 83.9            | 22.4            | 225.6                         | 145.9       | 69.3            | 10.4            | 176.6                                | 150.0       | 14.6            | 1.4               | 10.6            |
| 1991 total       | 1,713.7                     | 1,263.2     | 352.8           | 97.7            | 971.4                         | 641.4       | 282.0           | 48.0            | 742.2                                | 621.8       | 70.8            | 6.9               | 42.7            |
| 1992:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 405.3                       | 303.7       | 81.0            | 20.6            | 251.5                         | 174.7       | 66.5            | 10.3            | 153.8                                | 129.0       | 14.5            | 2.3               | 8.0             |
| 2d qtr.          | 440.4                       | 342.2       | 83.0            | 15.2            | 270.4                         | 191.1       | 70.1            | 9.1             | 170.0                                | 151.1       | 12.9            | 3.1               | 3.0             |
| 3d qtr.          | 450.2                       | 352.6       | 75.0            | 22.5            | 256.6                         | 181.9       | 62.1            | 12.5            | 193.6                                | 170.7       | 12.8            | 2.7               | 7.3             |
| 4th qtr.         | 370.0                       | 276.3       | 79.6            | 14.1            | 211.0                         | 139.2       | 65.6            | 6.2             | 159.1                                | 137.2       | 14.1            | 1.1               | 6.7             |
| 1992 total       | 1,665.9                     | 1,274.9     | 318.6           | 72.3            | 989.5                         | 687.0       | 264.4           | 38.1            | 676.4                                | 588.0       | 54.3            | 9.1               | 25.1            |
| TO CANADA        |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981             | 1.3                         | .4          | .0              | .9              | 1.3                           | .4          | .0              | .9              | .0                                   | .0          | .0              | .0                | .0              |
| 1982             | 4.8                         | .6          | 1.8             | 2.3             | 4.8                           | .6          | 1.8             | 2.3             | .0                                   | .0          | .0              | .0                | .0              |
| 1983             | 5.2                         | .4          | 2.8             | 2.0             | 5.2                           | .4          | 2.8             | 2.0             | .0                                   | .0          | .0              | .0                | .0              |
| 1984             | 10.5                        | 2.4         | 4.5             | 3.6             | 10.5                          | 2.4         | 4.5             | 3.6             | .0                                   | .0          | .0              | .0                | .0              |
| 1985             | 32.8                        | .0          | 30.5            | 2.3             | 32.8                          | .4          | 30.5            | 2.3             | .0                                   | .0          | .0              | .0                | .0              |
| 1986             | 58.8                        | 2.3         | 45.6            | 10.9            | 53.6                          | 2.3         | 45.6            | 5.7             | 5.2                                  | .0          | 4.5             | .0                | .7              |
| 1987             | 43.5                        | 5.4         | 35.6            | 2.5             | 41.4                          | 5.4         | 35.6            | .4              | 2.1                                  | .0          | 2.1             | .0                | .0              |
| 1988             | 20.9                        | .8          | 19.4            | .7              | 20.9                          | .8          | 19.4            | .7              | .0                                   | .0          | .0              | .0                | .0              |
| 1989             | 30.3                        | 12.9        | 16.7            | .7              | 30.3                          | 12.9        | 16.7            | .7              | .0                                   | .0          | .0              | .0                | .0              |
| 1990             | 28.3                        | 3.4         | 19.6            | 5.3             | 28.3                          | 3.4         | 19.6            | 5.3             | .0                                   | .0          | .0              | .0                | .0              |
| 1991:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 15.5                        | 1.7         | 13.6            | .2              | 15.5                          | 1.7         | 13.6            | .2              | .0                                   | .0          | .0              | .0                | .0              |
| 2d qtr.          | 10.4                        | .8          | 8.3             | 1.3             | 10.4                          | .8          | 8.3             | 1.3             | .0                                   | .0          | .0              | .0                | .0              |
| 3d qtr.          | 2.2                         | 1.0         | .2              | 1.0             | 2.2                           | 1.0         | .2              | 1.0             | .0                                   | .0          | .0              | .0                | .0              |
| 4th qtr.         | 1.1                         | .1          | .0              | 1.0             | 1.1                           | .1          | .0              | 1.0             | .0                                   | .0          | .0              | .0                | .0              |
| 1991 total       | 29.2                        | 3.6         | 22.1            | 3.5             | 29.2                          | 3.6         | 22.1            | 3.5             | .0                                   | .0          | .0              | .0                | .0              |
| 1992:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 3.6                         | 1.0         | 2.1             | .5              | 3.6                           | 1.0         | 2.1             | .5              | .0                                   | .0          | .0              | .0                | .0              |
| 2d qtr.          | 1.5                         | .9          | .0              | .6              | 1.5                           | .9          | .0              | .6              | .0                                   | .0          | .0              | .0                | .0              |
| 3d qtr.          | .9                          | .5          | .0              | .4              | .9                            | .5          | .0              | .4              | .0                                   | .0          | .0              | .0                | .0              |
| 4th qtr.         | .7                          | .2          | .0              | .6              | .7                            | .2          | .0              | .6              | .0                                   | .0          | .0              | .0                | .0              |
| 1992 total       | 6.8                         | 2.5         | 2.1             | 2.2             | 6.8                           | 2.5         | 2.1             | 2.2             | .0                                   | .0          | .0              | .0                | .0              |

**Table 23—Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92 (continued)**

(In million board feet, Scribner scale)

| Year and quarter              | From both customs districts |             |                 |                 | From Seattle Customs District |             |                 |                 | From Columbia-Snake Customs District |             |                 |                   |                 |
|-------------------------------|-----------------------------|-------------|-----------------|-----------------|-------------------------------|-------------|-----------------|-----------------|--------------------------------------|-------------|-----------------|-------------------|-----------------|
|                               | Total                       | Douglas-fir | Western hemlock | Other softwoods | Total                         | Douglas-fir | Western hemlock | Other softwoods | Total                                | Douglas-fir | Western hemlock | Port-Orford-cedar | Other softwoods |
| TO SOUTH KOREA                |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981                          | 147.8                       | 10.9        | 126.4           | 10.5            | 132.7                         | 9.3         | 113.5           | 9.8             | 15.2                                 | 1.6         | 12.9            | 0.0               | .6              |
| 1982                          | 254.7                       | 27.8        | 206.2           | 20.7            | 220.1                         | 23.8        | 178.2           | 18.1            | 34.6                                 | 4.0         | 28.0            | 0                 | 2.7             |
| 1983                          | 265.6                       | 18.4        | 239.1           | 27.2            | 258.4                         | 18.4        | 220.5           | 22.5            | 26.3                                 | 3.0         | 18.6            | 0                 | 4.7             |
| 1984                          | 264.2                       | 6.0         | 236.7           | 21.5            | 236.6                         | 4.8         | 213.6           | 18.2            | 27.8                                 | 1.2         | 23.1            | 0                 | 3.3             |
| 1985                          | 297.6                       | 10.7        | 264.2           | 22.6            | 263.7                         | 8.9         | 241.5           | 15.3            | 34.0                                 | 3.8         | 22.7            | 0                 | 7.4             |
| 1986                          | 325.6                       | 9.8         | 297.4           | 18.4            | 284.6                         | 6.7         | 267.9           | 18.0            | 31.0                                 | 1.1         | 29.5            | 0                 | .3              |
| 1987                          | 408.1                       | 14.4        | 360.1           | 33.2            | 382.2                         | 11.1        | 321.4           | 29.7            | 45.9                                 | 3.3         | 38.7            | .5                | 3.4             |
| 1988                          | 489.8                       | 14.6        | 432.2           | 43.1            | 416.1                         | 10.7        | 364.6           | 40.9            | 73.7                                 | 3.9         | 67.6            | 0                 | 2.2             |
| 1989                          | 658.1                       | 17.4        | 562.2           | 48.6            | 515.3                         | 16.1        | 452.5           | 46.8            | 142.8                                | 1.3         | 139.7           | 0                 | 1.8             |
| 1990                          | 486.6                       | 15.1        | 434.4           | 37.1            | 372.1                         | 10.0        | 326.6           | 35.5            | 114.5                                | 5.1         | 107.9           | 0                 | 1.6             |
| 1991:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 119.6                       | 7.2         | 107.5           | 4.9             | 84.2                          | 2.4         | 77.4            | 4.4             | 35.4                                 | 4.8         | 30.1            | 0                 | .5              |
| 2d qtr.                       | 135.6                       | 2.6         | 124.3           | 8.7             | 98.5                          | 1.3         | 89.8            | 7.4             | 37.1                                 | 1.3         | 34.5            | 0                 | 1.3             |
| 3d qtr.                       | 114.3                       | 1.5         | 104.1           | 8.7             | 88.0                          | .9          | 79.4            | 7.7             | 26.3                                 | .6          | 24.7            | 0                 | 1.0             |
| 4th qtr.                      | 76.2                        | 1.2         | 70.9            | 4.1             | 49.7                          | 1.1         | 45.0            | 3.6             | 26.5                                 | .1          | 25.9            | 0                 | .5              |
| 1991 total                    | 445.6                       | 12.5        | 406.7           | 26.3            | 320.3                         | 5.7         | 291.6           | 23.0            | 125.3                                | 6.8         | 115.1           | 0                 | 3.3             |
| 1992:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 109.2                       | .4          | 97.4            | 11.4            | 93.6                          | .4          | 81.9            | 11.3            | 15.6                                 | 0           | 15.5            | 0                 | .1              |
| 2d qtr.                       | 86.4                        | 1.5         | 59.2            | 5.6             | 57.1                          | .9          | 50.9            | 5.3             | 9.4                                  | .7          | 8.4             | 0                 | .3              |
| 3d qtr.                       | 51.3                        | 1.0         | 47.0            | 3.3             | 36.2                          | .4          | 32.5            | 3.2             | 15.1                                 | .6          | 14.5            | 0                 | .1              |
| 4th qtr.                      | 72.1                        | 3.1         | 62.7            | 6.2             | 51.6                          | 1.9         | 43.7            | 6.0             | 20.5                                 | 1.3         | 19.0            | 0                 | .1              |
| 1992 total                    | 298.9                       | 6.0         | 266.4           | 26.5            | 238.4                         | 3.5         | 209.0           | 25.9            | 60.5                                 | 2.5         | 57.5            | 0                 | .5              |
| TO PEOPLE'S REPUBLIC OF CHINA |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981                          | 219.2                       | 149.6       | 51.3            | 18.3            | 170.8                         | 111.1       | 42.3            | 17.4            | 48.5                                 | 38.5        | 9.0             | 0                 | .9              |
| 1982                          | 533.1                       | 390.0       | 125.1           | 18.0            | 358.8                         | 244.2       | 106.1           | 8.5             | 174.3                                | 145.8       | 19.0            | 0                 | 9.5             |
| 1983                          | 699.2                       | 497.0       | 177.6           | 24.6            | 535.4                         | 347.6       | 189.0           | 18.8            | 163.8                                | 149.4       | 8.6             | 0                 | 5.8             |
| 1984                          | 845.2                       | 624.7       | 189.7           | 30.8            | 589.7                         | 402.3       | 171.0           | 16.3            | 255.5                                | 222.4       | 18.7            | 0                 | 14.5            |
| 1985                          | 1,029.6                     | 716.3       | 280.5           | 32.8            | 644.4                         | 379.9       | 245.3           | 2.1             | 385.2                                | 336.3       | 35.2            | 0                 | 13.6            |
| 1986                          | 808.3                       | 374.4       | 214.1           | 19.8            | 434.7                         | 226.8       | 198.5           | 9.4             | 173.6                                | 147.6       | 15.6            | 0                 | 10.5            |
| 1987                          | 558.7                       | 389.5       | 157.0           | 12.2            | 435.6                         | 288.7       | 140.7           | 6.3             | 123.1                                | 100.8       | 16.3            | 0                 | 5.9             |
| 1988                          | 1,052.5                     | 825.9       | 208.3           | 18.3            | 690.9                         | 518.0       | 160.7           | 12.2            | 361.6                                | 307.9       | 47.6            | 0                 | 6.1             |
| 1989                          | 437.0                       | 371.9       | 60.5            | 4.7             | 297.8                         | 263.0       | 30.1            | 4.6             | 139.3                                | 108.8       | 30.4            | 0                 | .1              |
| 1990                          | 339.7                       | 303.7       | 28.4            | 7.7             | 231.3                         | 209.8       | 14.5            | 7.0             | 108.4                                | 93.9        | 13.9            | 0                 | .6              |
| 1991:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 63.4                        | 51.5        | 7.4             | 4.5             | 43.2                          | 36.9        | 1.8             | 4.5             | 20.2                                 | 14.6        | 5.6             | 0                 | 0               |
| 2d qtr.                       | 91.2                        | 86.7        | 2.2             | 2.3             | 45.9                          | 45.9        | 0               | 0               | 45.3                                 | 40.8        | 2.2             | 0                 | 2.3             |
| 3d qtr.                       | 55.8                        | 52.7        | 0               | 3.1             | 38.2                          | 35.1        | 0               | 3.1             | 17.6                                 | 17.6        | 0               | 0                 | 0               |
| 4th qtr.                      | 111.1                       | 84.3        | 22.5            | 4.3             | 75.9                          | 50.2        | 21.4            | 4.3             | 35.2                                 | 34.1        | 1.1             | 0                 | 0               |
| 1991 total                    | 321.5                       | 275.2       | 32.1            | 14.2            | 203.1                         | 168.0       | 23.2            | 11.9            | 118.3                                | 107.1       | 8.9             | 0                 | 2.3             |
| 1992:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 47.1                        | 43.2        | 3.9             | 0               | 28.4                          | 24.5        | 3.9             | 0               | 18.7                                 | 18.7        | 0               | 0                 | 0               |
| 2d qtr.                       | 40.9                        | 20.5        | 17.0            | 3.5             | 37.2                          | 18.2        | 15.6            | 3.5             | 3.7                                  | 2.3         | 1.4             | 0                 | .1              |
| 3d qtr.                       | 38.5                        | 14.4        | 23.0            | 2.2             | 33.4                          | 8.2         | 23.0            | 2.2             | 6.2                                  | 6.2         | 0               | 0                 | 0               |
| 4th qtr.                      | 74.4                        | 32.0        | 40.6            | 1.8             | 55.4                          | 16.5        | 37.0            | 1.8             | 19.0                                 | 15.5        | 3.5             | 0                 | 0               |
| 1992 total                    | 201.9                       | 110.0       | 84.4            | 7.5             | 154.3                         | 67.4        | 79.5            | 7.5             | 47.6                                 | 42.6        | 4.9             | 0                 | .1              |

Source: U.S. Department of Commerce. Columbia-Snake Customs District includes all Oregon ports and Longview and Vancouver, Washington. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Figure 2--Log exports from Seattle and Columbia-Snake Customs Districts, 1982-92

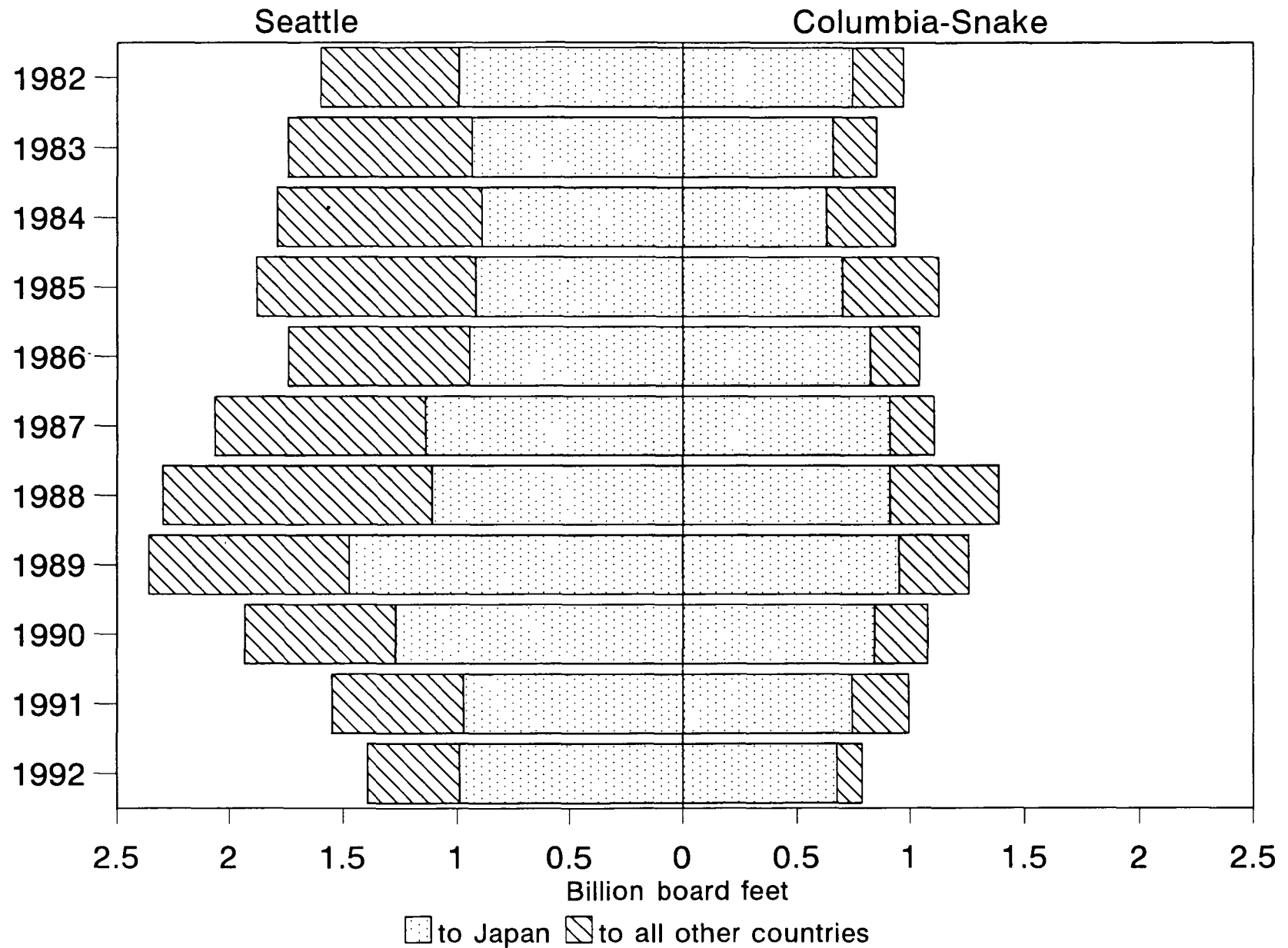


**Table 24--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92**

(In thousand dollars)

| Year and quarter | From both customs districts |             |                 |                 | From Seattle Customs District |             |                 |                 | From Columbia-Snake Customs District |             |                 |                   |                 |
|------------------|-----------------------------|-------------|-----------------|-----------------|-------------------------------|-------------|-----------------|-----------------|--------------------------------------|-------------|-----------------|-------------------|-----------------|
|                  | Total                       | Douglas-fir | Western hemlock | Other softwoods | Total                         | Douglas-fir | Western hemlock | Other softwoods | Total                                | Douglas-fir | Western hemlock | Port-Orford-cedar | Other softwoods |
| TO ALL COUNTRIES |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981             | 882,942                     | 476,653     | 311,019         | 70,359          | 565,564                       | 266,847     | 244,005         | 54,712          | 317,378                              | 209,806     | 67,014          | 24,911            | 15,647          |
| 1982             | 1,014,909                   | 600,254     | 343,068         | 52,868          | 805,089                       | 299,524     | 264,048         | 41,517          | 409,820                              | 300,730     | 79,020          | 18,719            | 11,351          |
| 1983             | 892,436                     | 500,178     | 315,838         | 65,413          | 580,518                       | 272,311     | 257,346         | 50,861          | 311,918                              | 227,867     | 58,492          | 11,007            | 14,552          |
| 1984             | 903,796                     | 533,451     | 298,511         | 57,886          | 575,879                       | 281,943     | 248,277         | 45,659          | 327,917                              | 251,509     | 50,234          | 14,148            | 12,026          |
| 1985             | 972,469                     | 586,597     | 322,567         | 49,140          | 586,974                       | 277,856     | 271,543         | 37,576          | 385,495                              | 308,741     | 51,024          | 14,166            | 11,564          |
| 1986             | 929,580                     | 567,356     | 297,698         | 53,444          | 552,088                       | 256,632     | 252,871         | 42,584          | 377,493                              | 310,725     | 44,827          | 11,082            | 10,859          |
| 1987             | 1,245,300                   | 751,776     | 389,960         | 85,492          | 762,852                       | 373,752     | 325,685         | 63,415          | 482,448                              | 378,023     | 64,275          | 18,073            | 22,077          |
| 1988             | 1,725,868                   | 1,078,600   | 492,553         | 119,482         | 1,032,743                     | 548,636     | 394,483         | 89,625          | 693,125                              | 529,965     | 98,070          | 35,233            | 29,857          |
| 1989             | 1,724,771                   | 1,076,505   | 493,309         | 123,111         | 1,046,195                     | 567,083     | 384,730         | 94,381          | 678,577                              | 509,422     | 108,579         | 31,846            | 28,730          |
| 1990             | 1,681,850                   | 1,093,869   | 454,374         | 104,487         | 1,014,303                     | 592,289     | 349,177         | 72,837          | 667,547                              | 501,580     | 105,197         | 29,120            | 31,650          |
| 1991:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 398,157                     | 269,965     | 103,061         | 25,131          | 228,425                       | 134,000     | 80,362          | 14,063          | 169,732                              | 135,965     | 22,699          | 3,761             | 7,307           |
| 2d qtr.          | 368,763                     | 238,873     | 101,964         | 27,926          | 207,721                       | 116,635     | 76,841          | 14,245          | 161,042                              | 122,238     | 25,123          | 7,450             | 6,231           |
| 3d qtr.          | 337,145                     | 213,008     | 95,869          | 28,268          | 214,804                       | 123,052     | 77,328          | 14,424          | 122,341                              | 89,956      | 18,541          | 7,077             | 6,767           |
| 4th qtr.         | 341,772                     | 233,430     | 85,913          | 22,429          | 192,281                       | 117,574     | 65,022          | 9,685           | 149,491                              | 115,856     | 20,891          | 5,984             | 6,760           |
| 1991 total       | 1,445,837                   | 955,276     | 386,807         | 103,754         | 843,231                       | 491,261     | 299,552         | 52,417          | 602,606                              | 464,015     | 87,254          | 24,272            | 27,065          |
| 1992:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 328,994                     | 220,475     | 87,938          | 21,581          | 214,946                       | 126,290     | 73,948          | 14,708          | 115,048                              | 94,185      | 13,990          | 1,806             | 5,267           |
| 2d qtr.          | 361,359                     | 264,928     | 76,923          | 19,508          | 229,305                       | 152,628     | 65,543          | 11,134          | 132,054                              | 112,300     | 11,380          | 5,889             | 2,485           |
| 3d qtr.          | 412,316                     | 314,749     | 73,576          | 23,991          | 233,436                       | 162,123     | 59,617          | 11,696          | 178,880                              | 152,626     | 13,959          | 7,274             | 5,021           |
| 4th qtr.         | 395,181                     | 276,947     | 98,514          | 19,720          | 226,865                       | 138,422     | 78,247          | 10,196          | 168,316                              | 136,525     | 20,267          | 4,115             | 5,409           |
| 1992 total       | 1,498,848                   | 1,077,100   | 336,951         | 84,797          | 904,551                       | 579,464     | 277,355         | 47,732          | 594,297                              | 497,636     | 59,596          | 18,884            | 18,181          |
| TO JAPAN         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981             | 740,943                     | 404,395     | 253,560         | 58,099          | 451,171                       | 213,444     | 193,772         | 43,955          | 289,772                              | 190,951     | 59,788          | 24,889            | 14,144          |
| 1982             | 716,343                     | 424,685     | 233,395         | 39,584          | 392,047                       | 190,838     | 168,734         | 32,475          | 324,296                              | 233,847     | 64,661          | 18,679            | 7,109           |
| 1983             | 583,048                     | 331,171     | 195,708         | 45,162          | 336,125                       | 156,671     | 144,812         | 34,642          | 246,923                              | 174,500     | 50,896          | 11,007            | 10,520          |
| 1984             | 535,175                     | 324,484     | 162,550         | 34,194          | 302,800                       | 148,370     | 125,837         | 28,593          | 232,375                              | 176,114     | 36,713          | 13,946            | 5,802           |
| 1985             | 560,675                     | 360,035     | 158,014         | 28,661          | 304,521                       | 157,596     | 123,570         | 23,355          | 256,154                              | 202,439     | 34,444          | 13,965            | 5,306           |
| 1986             | 644,858                     | 450,926     | 146,356         | 36,515          | 326,718                       | 183,095     | 114,588         | 29,035          | 318,140                              | 267,830     | 31,768          | 11,059            | 7,462           |
| 1987             | 918,370                     | 612,328     | 228,611         | 59,895          | 493,610                       | 270,675     | 180,076         | 42,860          | 424,759                              | 341,653     | 48,535          | 17,537            | 17,037          |
| 1988             | 1,075,863                   | 729,888     | 236,376         | 76,040          | 570,923                       | 332,581     | 184,306         | 54,036          | 504,940                              | 397,308     | 52,070          | 33,559            | 22,004          |
| 1989             | 1,302,346                   | 907,929     | 281,526         | 82,811          | 734,604                       | 450,983     | 226,472         | 57,149          | 567,742                              | 456,945     | 55,054          | 30,080            | 25,663          |
| 1990             | 1,264,949                   | 923,577     | 241,989         | 71,993          | 718,343                       | 484,358     | 191,418         | 42,567          | 546,607                              | 439,219     | 50,571          | 27,391            | 29,426          |
| 1991:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 308,653                     | 237,604     | 52,702          | 18,347          | 163,697                       | 113,097     | 42,183          | 8,417           | 144,956                              | 124,507     | 10,519          | 3,243             | 6,687           |
| 2d qtr.          | 256,926                     | 192,229     | 45,752          | 18,945          | 133,530                       | 90,948      | 35,755          | 6,827           | 123,396                              | 101,281     | 9,997           | 6,829             | 5,289           |
| 3d qtr.          | 255,268                     | 184,988     | 50,925          | 19,355          | 154,575                       | 104,899     | 42,394          | 7,282           | 100,693                              | 80,089      | 8,531           | 5,986             | 6,087           |
| 4th qtr.         | 254,803                     | 191,380     | 46,535          | 16,888          | 137,353                       | 93,591      | 38,486          | 5,276           | 117,450                              | 97,789      | 8,049           | 5,231             | 6,361           |
| 1991 total       | 1,075,650                   | 806,201     | 195,914         | 73,535          | 589,156                       | 402,535     | 158,818         | 27,802          | 486,495                              | 403,666     | 37,096          | 21,289            | 24,444          |
| 1992:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 258,007                     | 200,249     | 43,828          | 13,930          | 158,338                       | 114,606     | 36,322          | 7,410           | 99,669                               | 85,643      | 7,506           | 1,427             | 5,093           |
| 2d qtr.          | 310,159                     | 251,967     | 44,293          | 13,899          | 184,954                       | 141,504     | 37,157          | 6,293           | 125,205                              | 110,463     | 7,136           | 5,701             | 1,905           |
| 3d qtr.          | 364,537                     | 302,510     | 42,346          | 19,681          | 198,994                       | 156,213     | 34,911          | 7,870           | 165,543                              | 146,297     | 7,435           | 6,857             | 4,954           |
| 4th qtr.         | 313,788                     | 254,506     | 45,921          | 13,361          | 168,727                       | 126,534     | 37,709          | 4,484           | 145,061                              | 127,972     | 8,212           | 3,786             | 5,091           |
| 1992 total       | 1,246,492                   | 1,009,233   | 176,387         | 60,872          | 711,014                       | 538,858     | 146,098         | 26,058          | 535,478                              | 470,375     | 30,289          | 17,774            | 17,043          |
| TO CANADA        |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981             | 463                         | 173         | 17              | 273             | 463                           | 173         | 17              | 273             | --                                   | --          | --              | --                | --              |
| 1982             | 1,068                       | 137         | 424             | 507             | 1,068                         | 137         | 424             | 507             | --                                   | --          | --              | --                | --              |
| 1983             | 1,046                       | 55          | 360             | 631             | 1,046                         | 55          | 360             | 631             | --                                   | --          | --              | --                | --              |
| 1984             | 2,081                       | 549         | 760             | 771             | 2,081                         | 549         | 760             | 771             | --                                   | --          | --              | --                | --              |
| 1985             | 6,390                       | 16          | 5,527           | 847             | 6,390                         | 16          | 5,527           | 847             | --                                   | --          | --              | --                | --              |
| 1986             | 12,239                      | 418         | 10,615          | 1,207           | 11,051                        | 418         | 9,578           | 1,055           | 1,189                                | --          | 1,037           | --                | 152             |
| 1987             | 8,070                       | 822         | 7,161           | 87              | 7,561                         | 822         | 6,652           | 87              | 509                                  | --          | 509             | --                | --              |
| 1988             | 3,842                       | 336         | 3,334           | 172             | 3,842                         | 336         | 3,334           | 172             | --                                   | --          | --              | --                | --              |
| 1989             | 10,379                      | 5,424       | 4,583           | 372             | 10,379                        | 5,424       | 4,583           | 372             | --                                   | --          | --              | --                | --              |
| 1990             | 8,865                       | 946         | 6,447           | 1,472           | 8,865                         | 946         | 6,447           | 1,472           | --                                   | --          | --              | --                | --              |
| 1991:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 5,007                       | 651         | 4,292           | 64              | 5,007                         | 651         | 4,292           | 64              | --                                   | --          | --              | --                | --              |
| 2d qtr.          | 3,016                       | 163         | 2,460           | 393             | 3,016                         | 163         | 2,460           | 393             | --                                   | --          | --              | --                | --              |
| 3d qtr.          | 783                         | 349         | 111             | 323             | 783                           | 349         | 111             | 323             | --                                   | --          | --              | --                | --              |
| 4th qtr.         | 368                         | 30          | --              | 338             | 368                           | 30          | --              | 338             | --                                   | --          | --              | --                | --              |
| 1991 total       | 9,174                       | 1,193       | 6,863           | 1,118           | 9,174                         | 1,193       | 6,863           | 1,118           | --                                   | --          | --              | --                | --              |
| 1992:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 799                         | 294         | 328             | 177             | 799                           | 294         | 328             | 177             | --                                   | --          | --              | --                | --              |
| 2d qtr.          | 539                         | 317         | --              | 222             | 539                           | 317         | --              | 222             | --                                   | --          | --              | --                | --              |
| 3d qtr.          | 311                         | 160         | --              | 151             | 311                           | 160         | --              | 151             | --                                   | --          | --              | --                | --              |
| 4th qtr.         | 216                         | 40          | 00              | 176             | 216                           | 40          | --              | 176             | --                                   | --          | --              | --                | --              |
| 1992 total       | 1,865                       | 811         | 328             | 726             | 1,865                         | 811         | 328             | 726             | --                                   | --          | --              | --                | --              |

**Table 24--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92 (continued)**

(In thousand dollars)

| Year and quarter              | From both customs districts |             |                 |                 | From Seattle Customs District |             |                 |                 | From Columbia-Snake Customs District |             |                 |                   |                 |
|-------------------------------|-----------------------------|-------------|-----------------|-----------------|-------------------------------|-------------|-----------------|-----------------|--------------------------------------|-------------|-----------------|-------------------|-----------------|
|                               | Total                       | Douglas-fir | Western hemlock | Other softwoods | Total                         | Douglas-fir | Western hemlock | Other softwoods | Total                                | Douglas-fir | Western hemlock | Port-Orford-cedar | Other softwoods |
| TO SOUTH KOREA                |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981                          | 47,481                      | 4,027       | 39,591          | 3,863           | 43,048                        | 3,513       | 35,896          | 3,639           | 4,433                                | 514         | 3,695           | --                | 224             |
| 1982                          | 76,415                      | 9,169       | 61,095          | 6,151           | 66,657                        | 8,136       | 53,187          | 5,334           | 9,758                                | 1,033       | 7,908           | --                | 817             |
| 1983                          | 84,776                      | 5,481       | 67,356          | 11,939          | 76,707                        | 4,630       | 62,197          | 9,880           | 8,069                                | 851         | 5,159           | --                | 2,059           |
| 1984                          | 77,339                      | 1,723       | 66,568          | 9,026           | 68,951                        | 1,358       | 60,119          | 7,474           | 8,389                                | 365         | 6,449           | 2                 | 1,573           |
| 1985                          | 85,811                      | 2,803       | 73,284          | 9,509           | 75,078                        | 1,695       | 66,483          | 6,900           | 10,533                               | 1,108       | 6,801           | 15                | 2,609           |
| 1986                          | 90,498                      | 2,909       | 79,018          | 8,547           | 82,152                        | 2,612       | 71,105          | 8,432           | 8,348                                | 296         | 7,913           | 23                | 116             |
| 1987                          | 126,745                     | 4,952       | 104,680         | 16,935          | 112,289                       | 3,871       | 93,149          | 15,269          | 14,456                               | 1,080       | 11,531          | 178               | 1,667           |
| 1988                          | 191,804                     | 6,210       | 162,541         | 23,053          | 163,755                       | 4,622       | 137,250         | 21,884          | 28,047                               | 1,588       | 25,291          | --                | 1,169           |
| 1989                          | 216,548                     | 6,655       | 182,826         | 27,068          | 172,501                       | 6,094       | 140,425         | 25,982          | 44,047                               | 560         | 42,401          | --                | 1,086           |
| 1990                          | 219,402                     | 8,264       | 191,506         | 19,624          | 166,129                       | 4,880       | 142,339         | 18,910          | 53,273                               | 3,384       | 49,167          | 8                 | 714             |
| 1991:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 50,479                      | 3,991       | 43,366          | 3,122           | 36,952                        | 1,268       | 32,792          | 2,892           | 13,527                               | 2,723       | 10,574          | --                | 230             |
| 2d qtr.                       | 59,503                      | 1,214       | 53,170          | 5,119           | 43,507                        | 561         | 38,342          | 4,604           | 15,996                               | 653         | 14,828          | --                | 515             |
| 3d qtr.                       | 50,527                      | 805         | 44,516          | 5,206           | 39,889                        | 521         | 34,563          | 4,805           | 10,638                               | 284         | 9,953           | --                | 401             |
| 4th qtr.                      | 33,386                      | 509         | 30,502          | 2,375           | 21,125                        | 484         | 18,512          | 2,129           | 12,261                               | 25          | 11,990          | --                | 246             |
| 1991 total                    | 193,895                     | 6,519       | 171,554         | 15,822          | 141,473                       | 2,834       | 124,209         | 14,430          | 52,422                               | 3,685       | 47,345          | --                | 1,392           |
| 1992:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 48,279                      | 202         | 41,604          | 6,473           | 41,945                        | 202         | 35,270          | 6,473           | 6,334                                | --          | 6,334           | --                | 131             |
| 2d qtr.                       | 29,520                      | 1,050       | 25,454          | 3,016           | 25,239                        | 516         | 21,838          | 2,885           | 4,281                                | 534         | 3,616           | --                | 5               |
| 3d qtr.                       | 24,344                      | 582         | 21,650          | 2,112           | 17,501                        | 268         | 15,126          | 2,107           | 6,843                                | 314         | 6,524           | --                | 98              |
| 4th qtr.                      | 40,695                      | 2,014       | 34,229          | 4,452           | 29,018                        | 1,187       | 23,477          | 4,354           | 11,677                               | 827         | 10,752          | --                |                 |
| 1992 total                    | 142,838                     | 3,849       | 122,938         | 16,051          | 113,702                       | 2,173       | 95,712          | 15,817          | 29,136                               | 1,676       | 27,226          | --                | 234             |
| TO PEOPLE'S REPUBLIC OF CHINA |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981                          | 88,000                      | 63,977      | 17,629          | 6,394           | 67,639                        | 47,363      | 14,250          | 6,026           | 20,361                               | 16,614      | 3,379           | --                | 368             |
| 1982                          | 207,078                     | 158,699     | 42,476          | 5,903           | 138,219                       | 99,194      | 36,212          | 2,813           | 68,859                               | 59,505      | 6,264           | --                | 3,090           |
| 1983                          | 220,458                     | 161,616     | 51,464          | 7,378           | 164,982                       | 110,449     | 49,093          | 5,440           | 55,476                               | 51,167      | 2,371           | --                | 1,938           |
| 1984                          | 264,969                     | 199,224     | 56,673          | 9,072           | 184,041                       | 128,413     | 50,731          | 4,897           | 80,928                               | 70,811      | 5,942           | --                | 4,174           |
| 1985                          | 312,178                     | 221,344     | 81,604          | 9,230           | 195,164                       | 117,736     | 71,825          | 5,603           | 117,014                              | 103,609     | 9,779           | --                | 3,627           |
| 1986                          | 176,472                     | 110,633     | 60,184          | 5,556           | 128,869                       | 69,348      | 56,570          | 2,950           | 447,604                              | 41,284      | 3,614           | --                | 2,706           |
| 1987                          | 158,384                     | 113,984     | 41,361          | 3,039           | 123,661                       | 84,867      | 37,120          | 1,673           | 34,723                               | 29,116      | 4,241           | --                | 1,366           |
| 1988                          | 410,693                     | 325,151     | 78,648          | 6,874           | 268,504                       | 202,915     | 60,973          | 4,617           | 142,188                              | 122,236     | 17,675          | 20                | 2,257           |
| 1989                          | 168,362                     | 145,035     | 20,786          | 2,476           | 110,098                       | 97,616      | 10,179          | 2,303           | 58,265                               | 47,420      | 10,607          | 65                | 173             |
| 1990                          | 164,786                     | 150,037     | 11,234          | 3,411           | 106,540                       | 97,341      | 6,064           | 3,135           | 58,246                               | 52,695      | 5,170           | 105               | 216             |
| 1991:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 29,211                      | 25,075      | 2,212           | 1,924           | 19,933                        | 17,337      | 672             | 1,924           | 9,278                                | 7,738       | 1,540           | --                | --              |
| 2d qtr.                       | 40,927                      | 40,331      | 298             | 298             | 20,490                        | 20,490      | --              | --              | 20,437                               | 19,841      | 298             | --                | 298             |
| 3d qtr.                       | 23,314                      | 22,243      | --              | 1,071           | 15,052                        | 13,981      | --              | 1,071           | 8,262                                | 8,262       | --              | --                | --              |
| 4th qtr.                      | 49,822                      | 39,808      | 8,443           | 1,571           | 32,214                        | 22,980      | 7,663           | 1,571           | 17,608                               | 16,828      | 780             | --                | --              |
| 1991 total                    | 143,274                     | 127,457     | 10,953          | 4,864           | 87,689                        | 74,788      | 8,335           | 4,566           | 55,585                               | 52,669      | 2,618           | --                | 298             |
| 1992:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 20,912                      | 19,356      | 1,556           | --              | 12,675                        | 11,119      | 1,556           | --              | 8,237                                | 8,237       | --              | --                | --              |
| 2d qtr.                       | 19,458                      | 10,970      | 7,151           | 1,337           | 17,504                        | 9,667       | 6,523           | 1,314           | 1,954                                | 1,303       | 628             | --                | 23              |
| 3d qtr.                       | 21,400                      | 10,854      | 9,579           | 967             | 16,027                        | 5,481       | 9,579           | 967             | 5,373                                | 5,373       | --              | --                | --              |
| 4th qtr.                      | 39,316                      | 20,122      | 18,355          | 839             | 28,487                        | 10,597      | 17,051          | 839             | 10,829                               | 9,525       | 1,304           | --                | --              |
| 1992 total                    | 101,085                     | 61,302      | 36,641          | 3,142           | 74,693                        | 36,864      | 34,709          | 3,120           | 26,392                               | 24,438      | 1,932           | --                | 23              |

Note: Individual columns may not add to totals because of rounding.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

**Table 25--Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92**

(In dollars per thousand board feet, Scribner scale)

| Year and quarter | From both customs districts |             |                 |                 | From Seattle Customs District |             |                 |                 | From Columbia-Snake Customs District |             |                 |                   |                 |
|------------------|-----------------------------|-------------|-----------------|-----------------|-------------------------------|-------------|-----------------|-----------------|--------------------------------------|-------------|-----------------|-------------------|-----------------|
|                  | Total                       | Douglas-fir | Western hemlock | Other softwoods | Total                         | Douglas-fir | Western hemlock | Other softwoods | Total                                | Douglas-fir | Western hemlock | Port-Orford-cedar | Other softwoods |
| TO ALL COUNTRIES |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981             | 444.32                      | 468.61      | 385.26          | 477.98          | 429.80                        | 460.85      | 391.35          | 482.47          | 472.80                               | 478.88      | 364.40          | 1,605.09          | 462.93          |
| 1982             | 395.27                      | 420.40      | 344.17          | 401.43          | 378.94                        | 410.40      | 345.12          | 407.83          | 422.12                               | 430.85      | 341.04          | 1,656.70          | 378.63          |
| 1983             | 344.37                      | 352.81      | 312.40          | 425.04          | 333.67                        | 341.97      | 312.24          | 426.69          | 366.21                               | 366.69      | 313.29          | 1,232.31          | 419.37          |
| 1984             | 332.00                      | 340.04      | 299.77          | 393.78          | 321.87                        | 332.76      | 299.56          | 404.06          | 351.44                               | 348.59      | 300.80          | 1,271.75          | 360.06          |
| 1985             | 323.71                      | 335.26      | 290.08          | 377.71          | 312.41                        | 329.10      | 289.12          | 393.88          | 342.58                               | 341.00      | 295.28          | 1,145.43          | 333.26          |
| 1986             | 334.37                      | 352.24      | 288.19          | 430.31          | 317.55                        | 335.18      | 330.25          | 453.02          | 362.45                               | 367.70      | 290.90          | 911.05            | 359.57          |
| 1987             | 393.14                      | 407.57      | 338.92          | 533.33          | 369.69                        | 380.10      | 337.39          | 551.91          | 436.96                               | 438.92      | 346.87          | 1,495.86          | 485.21          |
| 1988             | 468.71                      | 473.26      | 423.23          | 541.87          | 450.04                        | 450.87      | 427.90          | 574.52          | 499.59                               | 498.91      | 405.42          | 1,875.39          | 462.90          |
| 1989             | 476.89                      | 529.22      | 365.22          | 567.07          | 443.37                        | 489.66      | 373.67          | 558.47          | 539.73                               | 581.52      | 338.15          | 2,628.43          | 598.54          |
| 1990             | 559.05                      | 587.13      | 482.42          | 542.67          | 524.97                        | 550.04      | 486.61          | 528.77          | 620.26                               | 637.93      | 469.02          | 2,672.54          | 577.63          |
| 1991:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 566.45                      | 613.42      | 460.09          | 647.71          | 538.10                        | 575.11      | 480.63          | 578.72          | 609.67                               | 656.52      | 399.63          | 2,507.33          | 562.08          |
| 2d qtr.          | 561.03                      | 601.24      | 462.42          | 706.99          | 546.49                        | 604.01      | 468.54          | 619.35          | 580.96                               | 598.62      | 444.65          | 2,660.71          | 454.82          |
| 3d qtr.          | 574.16                      | 602.57      | 491.38          | 732.33          | 551.91                        | 586.80      | 499.86          | 581.61          | 617.88                               | 625.56      | 458.94          | 2,830.80          | 598.85          |
| 4th qtr.         | 574.41                      | 608.21      | 481.58          | 683.81          | 542.40                        | 592.91      | 475.66          | 496.67          | 621.58                               | 624.56      | 500.98          | 3,149.47          | 592.98          |
| 1991 avg.        | 568.69                      | 606.64      | 472.87          | 693.08          | 544.62                        | 588.90      | 481.21          | 572.24          | 606.18                               | 626.54      | 446.77          | 2,789.89          | 547.87          |
| 1992:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 580.26                      | 632.28      | 471.77          | 642.29          | 566.54                        | 629.25      | 474.33          | 645.09          | 607.76                               | 636.39      | 458.69          | 681.52            | 627.02          |
| 2d qtr.          | 655.50                      | 724.04      | 482.87          | 748.38          | 624.01                        | 720.43      | 479.58          | 587.61          | 718.47                               | 729.01      | 502.78          | 1,796.52          | 646.97          |
| 3d qtr.          | 758.66                      | 852.50      | 507.42          | 819.65          | 712.56                        | 848.68      | 506.81          | 617.56          | 828.62                               | 856.60      | 510.03          | 2,515.21          | 674.96          |
| 4th qtr.         | 762.60                      | 887.54      | 538.61          | 847.84          | 710.94                        | 877.53      | 534.89          | 676.31          | 845.39                               | 897.78      | 553.47          | 3,412.11          | 775.26          |
| 1992 avg.        | 687.01                      | 771.64      | 500.23          | 755.59          | 649.07                        | 761.13      | 498.42          | 629.61          | 754.11                               | 784.24      | 508.84          | 1,940.20          | 681.42          |
| TO JAPAN         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981             | 461.95                      | 477.74      | 403.12          | 514.15          | 449.65                        | 471.47      | 414.49          | 528.31          | 482.51                               | 484.95      | 370.20          | 1,606.26          | 474.63          |
| 1982             | 412.12                      | 428.70      | 360.73          | 443.27          | 394.85                        | 417.00      | 364.52          | 448.55          | 435.13                               | 438.75      | 351.23          | 1,657.12          | 420.65          |
| 1983             | 366.40                      | 369.73      | 333.18          | 455.26          | 360.00                        | 363.98      | 338.27          | 460.66          | 375.49                               | 375.04      | 319.50          | 1,232.31          | 436.51          |
| 1984             | 352.24                      | 355.80      | 311.52          | 457.75          | 340.56                        | 347.31      | 314.12          | 466.44          | 368.70                               | 363.29      | 302.91          | 1,289.03          | 418.06          |
| 1985             | 346.72                      | 354.78      | 303.17          | 414.78          | 332.29                        | 346.64      | 304.13          | 420.81          | 365.60                               | 361.39      | 299.77          | 1,169.03          | 390.15          |
| 1986             | 364.59                      | 370.77      | 314.74          | 484.28          | 345.74                        | 349.32      | 315.93          | 499.74          | 386.21                               | 387.01      | 310.54          | 910.36            | 435.00          |
| 1987             | 448.24                      | 445.52      | 406.35          | 594.20          | 433.58                        | 425.65      | 413.40          | 640.66          | 466.58                               | 462.63      | 382.17          | 1,590.66          | 504.05          |
| 1988             | 532.26                      | 522.09      | 500.80          | 566.62          | 514.64                        | 497.14      | 521.67          | 620.39          | 553.69                               | 544.98      | 438.67          | 1,965.04          | 486.19          |
| 1989             | 537.31                      | 565.10      | 424.43          | 580.32          | 499.10                        | 530.37      | 435.36          | 563.60          | 596.39                               | 604.14      | 384.72          | 2,697.03          | 621.38          |
| 1990             | 598.25                      | 605.18      | 536.33          | 566.17          | 565.14                        | 572.47      | 547.95          | 562.56          | 648.15                               | 645.88      | 496.46          | 2,755.63          | 571.49          |
| 1991:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 621.16                      | 633.10      | 560.06          | 667.16          | 592.68                        | 598.71      | 577.06          | 592.75          | 656.80                               | 667.96      | 500.90          | 2,702.50          | 552.64          |
| 2d qtr.          | 625.28                      | 637.36      | 538.26          | 779.83          | 615.63                        | 650.09      | 547.55          | 583.50          | 636.06                               | 626.35      | 507.46          | 2,731.60          | 523.66          |
| 3d qtr.          | 632.32                      | 637.01      | 567.09          | 823.62          | 611.69                        | 629.27      | 570.58          | 622.39          | 666.84                               | 647.45      | 550.39          | 3,150.53          | 614.85          |
| 4th qtr.         | 633.52                      | 646.77      | 554.65          | 753.93          | 608.83                        | 641.47      | 555.35          | 507.31          | 665.06                               | 651.93      | 551.30          | 3,736.43          | 601.98          |
| 1991 avg.        | 627.68                      | 638.22      | 555.31          | 752.66          | 606.50                        | 627.59      | 563.18          | 579.21          | 655.48                               | 649.19      | 523.96          | 3,085.36          | 572.46          |
| 1992:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 636.58                      | 659.37      | 541.09          | 676.21          | 629.58                        | 656.02      | 546.20          | 719.42          | 648.04                               | 663.90      | 517.66          | 633.20            | 636.63          |
| 2d qtr.          | 704.28                      | 736.23      | 533.71          | 916.70          | 684.10                        | 740.32      | 529.80          | 692.45          | 736.35                               | 731.04      | 555.03          | 1,851.58          | 636.06          |
| 3d qtr.          | 809.80                      | 857.86      | 564.79          | 872.81          | 775.55                        | 858.71      | 561.82          | 628.14          | 855.19                               | 856.96      | 579.14          | 2,564.32          | 674.38          |
| 4th qtr.         | 848.00                      | 921.02      | 576.58          | 950.49          | 799.74                        | 909.19      | 575.14          | 718.71          | 912.02                               | 933.03      | 583.28          | 3,335.68          | 761.78          |
| 1992 avg.        | 748.24                      | 791.59      | 553.61          | 841.55          | 718.58                        | 784.39      | 552.66          | 683.20          | 791.63                               | 799.99      | 558.22          | 1,943.89          | 680.36          |
| TO CANADA        |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981             | 347.60                      | 441.33      | --              | 303.33          | 347.60                        | 441.33      | --              | 303.33          | --                                   | --          | --              | --                | --              |
| 1982             | 224.51                      | 215.75      | 235.56          | 220.43          | 224.51                        | 215.75      | 235.56          | 220.43          | --                                   | --          | --              | --                | --              |
| 1983             | 200.35                      | 138.54      | 128.57          | 315.50          | 200.35                        | 137.46      | 128.57          | 315.50          | --                                   | --          | --              | --                | --              |
| 1984             | 198.93                      | 228.18      | 168.89          | 335.22          | 198.93                        | 228.18      | 168.89          | 335.22          | --                                   | --          | --              | --                | --              |
| 1985             | 194.82                      | 456.64      | 181.21          | 368.26          | 194.82                        | 456.64      | 181.21          | 368.26          | --                                   | --          | --              | --                | --              |
| 1986             | 208.19                      | 180.87      | 232.79          | 185.09          | 206.10                        | 180.87      | 232.79          | 185.09          | 230.09                               | --          | 230.44          | --                | 217.14          |
| 1987             | 185.35                      | 152.05      | 201.15          | 217.50          | 182.65                        | 152.05      | 201.15          | 217.50          | 242.38                               | --          | 242.38          | --                | --              |
| 1988             | 184.15                      | 416.87      | 171.86          | 245.71          | 184.15                        | 416.87      | 171.86          | 245.71          | --                                   | --          | --              | --                | --              |
| 1989             | 342.46                      | 419.30      | 274.43          | 487.00          | 342.46                        | 419.30      | 274.43          | 487.00          | --                                   | --          | --              | --                | --              |
| 1990             | 313.25                      | 282.14      | 328.29          | 276.95          | 313.25                        | 282.14      | 328.29          | 276.95          | --                                   | --          | --              | --                | --              |
| 1991:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 323.03                      | 382.94      | 315.59          | 320.00          | 323.03                        | 382.94      | 315.59          | 320.00          | --                                   | --          | --              | --                | --              |
| 2d qtr.          | 290.00                      | 203.75      | 296.39          | 302.31          | 290.00                        | 203.75      | 296.39          | 302.31          | --                                   | --          | --              | --                | --              |
| 3d qtr.          | 355.91                      | 349.00      | 555.00          | 323.00          | 355.91                        | 349.00      | 555.00          | 323.00          | --                                   | --          | --              | --                | --              |
| 4th qtr.         | 334.55                      | 300.00      | --              | 338.00          | 334.55                        | 300.00      | --              | 338.00          | --                                   | --          | --              | --                | --              |
| 1991 avg.        | 314.18                      | 331.39      | 310.54          | 319.43          | 314.18                        | 331.39      | 310.54          | 319.43          | --                                   | --          | --              | --                | --              |
| 1992:            |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.         | 221.94                      | 294.00      | 156.19          | 354.00          | 221.94                        | 294.00      | 156.19          | 354.00          | --                                   | --          | --              | --                | --              |
| 2d qtr.          | 351.14                      | 347.97      | --              | 355.77          | 351.14                        | 347.97      | --              | 355.77          | --                                   | --          | --              | --                | --              |
| 3d qtr.          | 335.49                      | 335.43      | --              | 335.56          | 335.49                        | 335.43      | --              | 335.56          | --                                   | --          | --              | --                | --              |
| 4th qtr.         | 300.42                      | 264.90      | --              | 309.86          | 300.42                        | 264.90      | --              | 309.86          | --                                   | --          | --              | --                | --              |
| 1992 avg.        | 273.74                      | 322.08      | 156.19          | 326.59          | 273.74                        | 322.08      | 156.19          | 326.59          | --                                   | --          | --              | --                | --              |

**Table 25--Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92 (continued)**

(In dollars per thousand board feet, Scribner scale)

| Year and quarter              | From both customs districts |             |                 |                 | From Seattle Customs District |             |                 |                 | From Columbia-Snake Customs District |             |                 |                   |                 |
|-------------------------------|-----------------------------|-------------|-----------------|-----------------|-------------------------------|-------------|-----------------|-----------------|--------------------------------------|-------------|-----------------|-------------------|-----------------|
|                               | Total                       | Douglas-fir | Western hemlock | Other softwoods | Total                         | Douglas-fir | Western hemlock | Other softwoods | Total                                | Douglas-fir | Western hemlock | Port-Orford-cedar | Other softwoods |
| TO SOUTH KOREA                |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981                          | 321.18                      | 368.81      | 313.22          | 367.90          | 324.46                        | 376.41      | 316.26          | 371.33          | 292.45                               | 324.29      | 286.43          | --                | 373.33          |
| 1982                          | 299.98                      | 329.71      | 296.29          | 297.15          | 302.81                        | 341.26      | 298.47          | 294.70          | 281.94                               | 260.32      | 282.43          | --                | 302.59          |
| 1983                          | 296.80                      | 282.70      | 281.71          | 438.93          | 295.74                        | 282.21      | 282.07          | 439.11          | 307.16                               | 285.38      | 279.18          | --                | 438.09          |
| 1984                          | 292.67                      | 286.83      | 281.32          | 418.81          | 291.41                        | 283.51      | 281.46          | 410.68          | 303.51                               | 299.92      | 299.60          | 281.14            | 467.67          |
| 1985                          | 287.64                      | 260.84      | 277.38          | 420.75          | 284.75                        | 245.68      | 275.29          | 450.98          | 310.13                               | 283.05      | 299.60          | 441.18            | 352.57          |
| 1986                          | 277.98                      | 297.75      | 265.70          | 464.51          | 278.87                        | 309.47      | 265.42          | 468.44          | 269.56                               | 274.84      | 288.24          | 1,429.31          | 386.67          |
| 1987                          | 310.54                      | 343.94      | 290.70          | 510.09          | 309.99                        | 347.27      | 289.82          | 514.11          | 314.92                               | 332.21      | 297.96          | 358.87            | 490.29          |
| 1988                          | 391.56                      | 425.63      | 376.08          | 534.87          | 393.54                        | 433.06      | 376.44          | 535.06          | 380.37                               | 405.41      | 374.13          | --                | 531.36          |
| 1989                          | 337.91                      | 384.62      | 317.96          | 558.10          | 334.74                        | 379.22      | 310.33          | 555.17          | 350.95                               | 454.18      | 303.51          | --                | 678.75          |
| 1990                          | 450.90                      | 548.85      | 440.82          | 528.95          | 446.47                        | 487.66      | 435.87          | 532.29          | 465.29                               | 670.10      | 455.80          | --                | 453.62          |
| 1991:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 422.07                      | 554.31      | 403.40          | 637.14          | 438.86                        | 528.33      | 423.67          | 657.27          | 382.12                               | 567.29      | 351.30          | --                | 460.00          |
| 2d qtr.                       | 438.81                      | 466.92      | 427.76          | 588.39          | 441.70                        | 431.54      | 426.97          | 622.16          | 431.16                               | 502.31      | 429.80          | --                | 396.15          |
| 3d qtr.                       | 442.06                      | 536.67      | 427.63          | 598.39          | 453.28                        | 578.89      | 435.30          | 624.03          | 404.49                               | 473.33      | 402.96          | --                | 401.00          |
| 4th qtr.                      | 438.14                      | 424.17      | 430.21          | 579.27          | 425.05                        | 440.00      | 411.38          | 591.39          | 462.68                               | 250.00      | 462.93          | --                | 492.00          |
| 1991 avg.                     | 435.13                      | 521.52      | 421.82          | 601.60          | 441.69                        | 497.19      | 425.96          | 627.39          | 418.37                               | 541.91      | 411.34          | --                | 421.82          |
| 1992:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 442.12                      | 505.00      | 427.15          | 567.81          | 448.13                        | 505.00      | 430.65          | 572.83          | 406.03                               | --          | 406.03          | --                | --              |
| 2d qtr.                       | 444.53                      | 686.28      | 429.64          | 535.51          | 442.36                        | 600.00      | 429.21          | 542.60          | 457.81                               | 797.02      | 432.23          | --                | 415.87          |
| 3d qtr.                       | 474.97                      | 602.48      | 460.34          | 648.45          | 483.93                        | 644.23      | 465.40          | 648.91          | 453.48                               | 570.91      | 449.00          | --                | 500.00          |
| 4th qtr.                      | 564.57                      | 640.79      | 545.86          | 714.38          | 562.35                        | 636.46      | 537.33          | 720.38          | 570.14                               | 647.11      | 565.45          | --                | 521.28          |
| 1991 avg.                     | 477.86                      | 642.14      | 461.40          | 606.29          | 476.90                        | 621.57      | 458.04          | 609.21          | 481.64                               | 670.94      | 473.62          | --                | 457.93          |
| TO PEOPLE'S REPUBLIC OF CHINA |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1981                          | 401.39                      | 427.68      | 343.65          | 349.40          | 396.06                        | 426.47      | 336.88          | 346.32          | 420.18                               | 431.15      | 375.44          | --                | 408.89          |
| 1982                          | 388.44                      | 406.87      | 339.54          | 327.94          | 385.27                        | 406.20      | 341.30          | 330.94          | 394.97                               | 407.99      | 329.68          | --                | 325.26          |
| 1983                          | 315.28                      | 325.17      | 289.77          | 299.92          | 308.14                        | 317.77      | 290.49          | 289.36          | 338.64                               | 342.38      | 275.70          | --                | 334.14          |
| 1984                          | 313.50                      | 318.92      | 298.75          | 294.55          | 312.11                        | 319.18      | 286.67          | 300.43          | 316.71                               | 318.46      | 317.75          | --                | 287.86          |
| 1985                          | 303.22                      | 309.02      | 290.92          | 281.40          | 302.88                        | 309.89      | 292.80          | 293.35          | 303.79                               | 308.04      | 277.81          | --                | 266.69          |
| 1986                          | 290.10                      | 295.51      | 281.10          | 285.66          | 296.47                        | 305.75      | 284.99          | 313.83          | 274.17                               | 279.78      | 231.67          | --                | 257.71          |
| 1987                          | 283.50                      | 292.64      | 263.45          | 249.10          | 283.87                        | 294.01      | 263.82          | 265.56          | 282.17                               | 283.72      | 260.18          | --                | 231.53          |
| 1988                          | 390.20                      | 393.71      | 377.57          | 375.63          | 388.60                        | 391.72      | 379.42          | 378.44          | 393.25                               | 397.04      | 371.32          | 909.09            | 370.00          |
| 1989                          | 385.27                      | 390.00      | 343.57          | 528.81          | 369.70                        | 371.09      | 338.17          | 500.65          | 418.13                               | 435.72      | 348.91          | 1,756.76          | 1,153.33        |
| 1990                          | 485.09                      | 494.11      | 395.97          | 444.37          | 460.62                        | 463.97      | 418.96          | 446.26          | 537.31                               | 561.45      | 372.02          | 2,441.86          | 460.00          |
| 1991:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 460.74                      | 486.89      | 298.92          | 427.56          | 461.41                        | 469.84      | 373.33          | 427.56          | 459.31                               | 530.00      | 275.00          | --                | --              |
| 2d qtr.                       | 448.76                      | 465.18      | 135.45          | 129.57          | 446.41                        | 448.41      | --              | --              | 451.15                               | 486.30      | 135.45          | --                | 129.57          |
| 3d qtr.                       | 417.81                      | 422.07      | --              | 345.48          | 394.03                        | 398.32      | --              | 345.48          | 469.43                               | 469.43      | --              | --                | --              |
| 4th qtr.                      | 448.44                      | 472.22      | 375.24          | 365.35          | 424.43                        | 457.77      | 358.08          | 365.35          | 500.23                               | 493.49      | 709.09          | --                | --              |
| 1991 avg.                     | 445.64                      | 463.14      | 341.22          | 342.54          | 431.75                        | 445.17      | 359.27          | 383.70          | 469.87                               | 491.77      | 294.16          | --                | 129.57          |
| 1992:                         |                             |             |                 |                 |                               |             |                 |                 |                                      |             |                 |                   |                 |
| 1st qtr.                      | 443.99                      | 448.06      | 398.97          | --              | 446.30                        | 453.84      | 398.97          | --              | 440.48                               | 440.48      | --              | --                | --              |
| 2d qtr.                       | 475.37                      | 536.22      | 421.54          | 380.91          | 470.56                        | 531.56      | 419.41          | 379.88          | 523.30                               | 573.50      | 445.07          | --                | 450.98          |
| 3d qtr.                       | 541.13                      | 754.64      | 416.77          | 443.58          | 480.08                        | 666.79      | 416.77          | 443.58          | 871.82                               | 871.82      | --              | --                | --              |
| 4th qtr.                      | 528.45                      | 628.30      | 452.65          | 460.23          | 514.47                        | 641.35      | 460.51          | 460.23          | 569.14                               | 614.40      | 370.03          | --                | --              |
| 1992 avg.                     | 500.61                      | 557.28      | 434.07          | 418.38          | 483.96                        | 546.94      | 436.72          | 418.23          | 554.62                               | 573.65      | 391.49          | --                | 450.98          |

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter

**Table 26--Volume and average value of softwood log exports from the San Francisco Customs District by species and destination, 1981-92**

(In thousand board feet, Scribner scale)

| Year and quarter              | Total   |               | Douglas-fir |               | Port-Orford-cedar |               | Other softwoods |               |
|-------------------------------|---------|---------------|-------------|---------------|-------------------|---------------|-----------------|---------------|
|                               | Volume  | Average value | Volume      | Average value | Volume            | Average value | Volume          | Average value |
| TO ALL COUNTRIES              |         |               |             |               |                   |               |                 |               |
| 1981                          | 25,586  | 489.21        | 5,890       | 393.89        | 1,381             | 1,398.26      | 18,315          | 451.32        |
| 1982                          | 19,507  | 344.75        | 12,609      | 354.83        | 6                 | 666.67        | 6,892           | 326.18        |
| 1983                          | 33,519  | 345.33        | 3,843       | 312.38        | 300               | 1,026.67      | 29,576          | 342.47        |
| 1984                          | 47,115  | 361.39        | 16,339      | 345.49        | 1,764             | 861.68        | 29,012          | 339.93        |
| 1985                          | 62,580  | 299.66        | 33,967      | 284.72        | 1,272             | 591.98        | 27,341          | 304.60        |
| 1986                          | 26,211  | 319.41        | 4,147       | 264.77        | 354               | 774.01        | 21,710          | 322.39        |
| 1987                          | 32,132  | 395.40        | 14,942      | 452.82        | 0                 | --            | 17,190          | 345.49        |
| 1988                          | 90,785  | 440.32        | 26,850      | 509.87        | 156               | 2,147.44      | 63,779          | 406.86        |
| 1989                          | 73,730  | 607.95        | 21,140      | 643.33        | 1                 | 2,000.00      | 52,589          | 594.70        |
| 1990                          | 108,287 | 520.00        | 25,287      | 549.22        | 41                | 3,073.17      | 82,959          | 509.83        |
| 1991                          | 76,808  | 455.62        | 24,687      | 503.87        | 21                | 1,476.19      | 52,100          | 432.34        |
| 1992:                         |         |               |             |               |                   |               |                 |               |
| 1st quarter                   | 6,824   | 495.02        | 778         | 500.00        | 0                 | --            | 6,046           | 494.38        |
| 2d quarter                    | 1,322   | 532.53        | 0           | --            | 0                 | --            | 1,322           | 532.53        |
| 3d quarter                    | 2,182   | 560.50        | 279         | 827.96        | 0                 | --            | 1,903           | 521.28        |
| 4th quarter                   | 7,323   | 932.13        | 3,957       | 1,174.88      | 0                 | --            | 3,366           | 646.76        |
| 1992 total and average value  | 17,651  | 687.21        | 5,014       | 1,050.86      | 0                 | --            | 12,637          | 542.93        |
| TO JAPAN                      |         |               |             |               |                   |               |                 |               |
| 1981                          | 20,708  | 521.73        | 1,024       | 595.70        | 1,381             | 1,398.26      | 18,303          | 451.46        |
| 1982                          | 9,022   | 331.19        | 3,270       | 355.35        | 6                 | 666.67        | 5,746           | 317.09        |
| 1983                          | 24,308  | 351.94        | 3,626       | 311.64        | 300               | 1,026.67      | 20,382          | 349.23        |
| 1984                          | 26,251  | 397.58        | 2,954       | 389.64        | 1,764             | 861.68        | 21,533          | 360.66        |
| 1985                          | 25,243  | 325.79        | 3,956       | 311.43        | 1,272             | 591.98        | 20,015          | 311.67        |
| 1986                          | 19,060  | 330.80        | 217         | 345.62        | 354               | 774.01        | 18,489          | 322.08        |
| 1987                          | 25,212  | 393.34        | 8,944       | 477.30        | 0                 | --            | 16,268          | 347.25        |
| 1988                          | 28,269  | 500.09        | 11,180      | 594.28        | 147               | 2,238.10      | 16,942          | 422.85        |
| 1989                          | 50,634  | 675.04        | 15,078      | 622.83        | 0                 | --            | 35,556          | 697.18        |
| 1990                          | 70,186  | 537.54        | 16,465      | 590.46        | 0                 | --            | 53,721          | 521.32        |
| 1991                          | 38,188  | 481.75        | 15,790      | 544.46        | 0                 | --            | 22,398          | 437.54        |
| 1992:                         |         |               |             |               |                   |               |                 |               |
| 1st quarter                   | 3,000   | 466.33        | 778         | 500.00        | 0                 | --            | 2,222           | 454.55        |
| 2d quarter                    | 21      | 1,571.43      | 0           | --            | 0                 | --            | 21              | 1,571.43      |
| 3d quarter                    | 1,374   | 625.18        | 279         | 827.96        | 0                 | --            | 1,095           | 573.52        |
| 4th quarter                   | 6,503   | 976.17        | 3,957       | 1,174.88      | 0                 | --            | 2,546           | 667.32        |
| 1992 total and average value  | 10,898  | 792.71        | 5,014       | 1,050.86      | 0                 | --            | 5,884           | 572.74        |
| TO PEOPLE'S REPUBLIC OF CHINA |         |               |             |               |                   |               |                 |               |
| 1981                          | 0       | --            | 0           | --            | 0                 | --            | 0               | --            |
| 1982                          | 9,292   | 352.35        | 9,282       | 351.00        | 0                 | --            | 10              | 1,600.00      |
| 1983                          | 8,302   | 314.62        | 0           | --            | 0                 | --            | 8,302           | 314.62        |
| 1984                          | 18,276  | 326.55        | 12,756      | 340.39        | 0                 | --            | 5,520           | 294.57        |
| 1985                          | 37,305  | 281.65        | 30,011      | 281.20        | 0                 | --            | 7,294           | 283.52        |
| 1986                          | 7,097   | 287.73        | 3,900       | 260.00        | 0                 | --            | 3,197           | 321.55        |
| 1987                          | 0       | --            | 0           | --            | 0                 | --            | 0               | --            |
| 1988                          | 43,713  | 429.00        | 12,881      | 434.52        | 0                 | --            | 30,832          | 426.70        |
| 1989                          | 9,355   | 363.01        | 2,944       | 518.34        | 1                 | 2,000.00      | 6,409           | 291.47        |
| 1990                          | 18,755  | 449.00        | 5,912       | 459.24        | 0                 | --            | 12,843          | 444.29        |
| 1991                          | 28,493  | 408.31        | 8,874       | 429.34        | 0                 | --            | 19,619          | 398.80        |
| 1992:                         |         |               |             |               |                   |               |                 |               |
| 1st quarter                   | 0       | --            | 0           | --            | 0                 | --            | 0               | --            |
| 2d quarter                    | 0       | --            | 0           | --            | 0                 | --            | 0               | --            |
| 3d quarter                    | 0       | --            | 0           | --            | 0                 | --            | 0               | --            |
| 4th quarter                   | 0       | --            | 0           | --            | 0                 | --            | 0               | --            |
| 1992 total and average value  | 0       | --            | 0           | --            | 0                 | --            | 0               | --            |

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Figure 3--Log exports from San Francisco and Anchorage Customs Districts, 1982-92

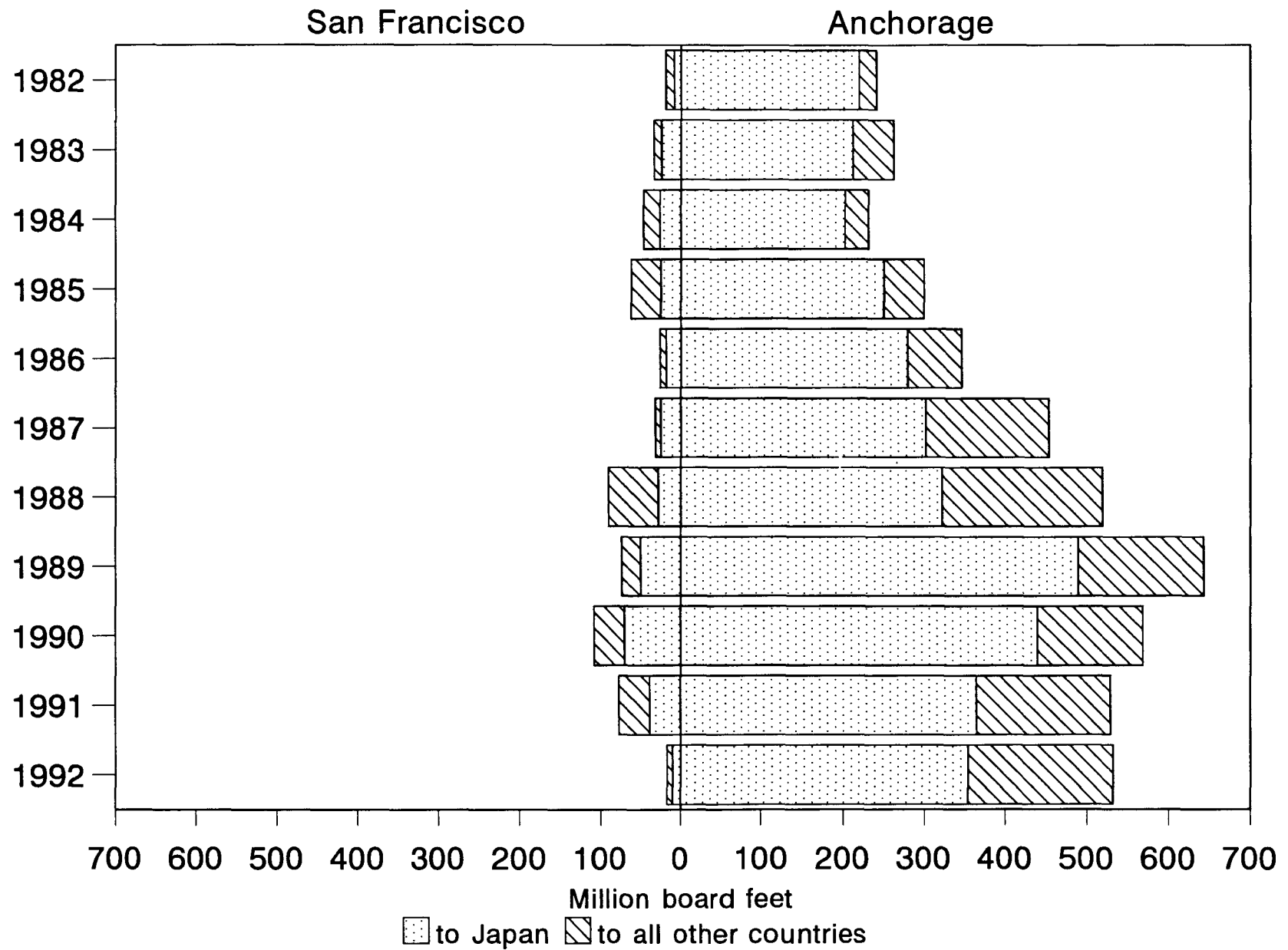


**Table 27--Volume and average value of softwood log exports from Anchorage Customs District by species and destination, 1981-92**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Year and quarter              | All species |               | Hemlock |               | Redcedar |               | Spruce  |               |
|-------------------------------|-------------|---------------|---------|---------------|----------|---------------|---------|---------------|
|                               | Volume      | Average value | Volume  | Average value | Volume   | Average value | Volume  | Average value |
| TO ALL COUNTRIES              |             |               |         |               |          |               |         |               |
| 1981                          | 149,208     | 480.54        | 60,094  | 382.17        | 9,610    | 299.38        | 69,631  | 578.85        |
| 1982                          | 241,123     | 478.49        | 124,061 | 424.61        | 22,817   | 382.78        | 83,911  | 577.74        |
| 1983                          | 262,219     | 425.55        | 131,238 | 358.71        | 23,402   | 377.45        | 101,902 | 511.54        |
| 1984                          | 231,544     | 396.66        | 121,349 | 319.97        | 15,547   | 414.68        | 87,400  | 496.00        |
| 1985                          | 299,190     | 387.11        | 177,301 | 310.28        | 17,708   | 354.70        | 96,689  | 527.64        |
| 1986                          | 345,783     | 397.86        | 196,853 | 302.54        | 18,466   | 356.44        | 118,355 | 541.12        |
| 1987                          | 453,127     | 471.94        | 234,230 | 371.37        | 36,027   | 375.44        | 164,387 | 587.59        |
| 1988                          | 519,538     | 510.93        | 260,031 | 411.46        | 58,312   | 443.01        | 175,901 | 641.21        |
| 1989                          | 643,061     | 511.73        | 278,963 | 431.46        | 74,065   | 404.27        | 251,118 | 620.86        |
| 1990                          | 568,597     | 592.33        | 251,500 | 457.05        | 62,609   | 439.35        | 213,334 | 781.02        |
| 1991                          | 528,878     | 555.81        | 226,013 | 421.14        | 55,312   | 397.51        | 218,580 | 717.43        |
| 1992:                         |             |               |         |               |          |               |         |               |
| 1st quarter                   | 73,431      | 605.47        | 27,374  | 435.93        | 5,802    | 493.45        | 32,281  | 746.32        |
| 2d quarter                    | 149,699     | 586.65        | 67,621  | 466.29        | 9,805    | 371.24        | 63,262  | 716.94        |
| 3d quarter                    | 170,184     | 682.33        | 61,924  | 497.24        | 14,716   | 561.29        | 76,879  | 780.40        |
| 4th quarter                   | 138,680     | 586.63        | 55,764  | 440.89        | 17,122   | 571.78        | 52,843  | 648.05        |
| 1992 total and average value  | 531,993     | 619.85        | 212,684 | 464.73        | 47,444   | 517.52        | 225,266 | 726.64        |
| TO JAPAN                      |             |               |         |               |          |               |         |               |
| 1981                          | 141,209     | 491.51        | 60,094  | 382.17        | 3,971    | 276.76        | 69,566  | 578.01        |
| 1982                          | 219,700     | 486.71        | 119,927 | 424.28        | 7,374    | 382.70        | 83,536  | 578.27        |
| 1983                          | 211,705     | 452.60        | 112,446 | 374.41        | 4,525    | 413.70        | 89,057  | 542.29        |
| 1984                          | 202,238     | 415.51        | 107,392 | 333.41        | 6,142    | 431.29        | 83,217  | 511.00        |
| 1985                          | 250,220     | 416.59        | 148,414 | 328.30        | 6,155    | 354.02        | 88,261  | 565.19        |
| 1986                          | 278,841     | 445.40        | 153,998 | 334.42        | 8,726    | 379.90        | 103,828 | 596.55        |
| 1987                          | 301,200     | 595.03        | 142,786 | 491.34        | 11,677   | 390.68        | 130,116 | 678.69        |
| 1988                          | 321,655     | 644.34        | 137,983 | 563.71        | 18,871   | 435.59        | 142,422 | 718.39        |
| 1989                          | 489,188     | 560.47        | 201,145 | 478.00        | 21,396   | 465.88        | 228,074 | 637.74        |
| 1990                          | 439,291     | 632.94        | 171,198 | 481.74        | 28,479   | 440.68        | 199,692 | 782.91        |
| 1991                          | 364,987     | 632.15        | 137,515 | 489.62        | 19,836   | 447.87        | 182,066 | 750.06        |
| 1992:                         |             |               |         |               |          |               |         |               |
| 1st quarter                   | 51,038      | 661.04        | 15,193  | 496.54        | 998      | 402.81        | 28,232  | 743.38        |
| 2d quarter                    | 100,868     | 652.57        | 37,637  | 570.72        | 3,910    | 398.72        | 51,640  | 698.94        |
| 3d quarter                    | 120,203     | 751.14        | 38,760  | 588.24        | 8,214    | 555.88        | 58,060  | 816.19        |
| 4th quarter                   | 82,289      | 697.74        | 24,425  | 536.91        | 8,815    | 597.16        | 36,526  | 725.51        |
| 1992 total and average value  | 354,398     | 697.71        | 116,016 | 559.74        | 21,936   | 537.52        | 174,459 | 750.71        |
| TO PEOPLE'S REPUBLIC OF CHINA |             |               |         |               |          |               |         |               |
| 1981                          | 3,205       | 377.54        | 0       | --            | 2,977    | 355.06        | 65      | 1,476.92      |
| 1982                          | 0           | --            | 0       | --            | 0        | --            | 0       | --            |
| 1983                          | 15,591      | 305.18        | 5,247   | 285.69        | 0        | --            | 10,344  | 315.06        |
| 1984                          | 0           | --            | 0       | --            | 0        | --            | 0       | --            |
| 1985                          | 2,113       | 352.58        | 1,860   | 331.18        | 0        | --            | 253     | 513.83        |
| 1986                          | 0           | --            | 0       | --            | 0        | --            | 0       | --            |
| 1987                          | 19,602      | 296.09        | 2,061   | 183.41        | 0        | --            | 17,541  | 309.33        |
| 1988                          | 9,267       | 327.61        | 601     | 361.06        | 0        | --            | 8,666   | 325.41        |
| 1989                          | 6,998       | 271.36        | 0       | --            | 0        | --            | 6,998   | 271.36        |
| 1990                          | 4,163       | 561.85        | 3,299   | 500.45        | 0        | --            | 864     | 797.45        |
| 1991                          | 21,813      | 506.12        | 1,325   | 286.79        | 0        | --            | 20,489  | 520.28        |
| 1992:                         |             |               |         |               |          |               |         |               |
| 1st quarter                   | 4,263       | 686.37        | 1,561   | 317.10        | 0        | --            | 2,702   | 899.70        |
| 2d quarter                    | 4,894       | 973.03        | 0       | --            | 0        | --            | 4,894   | 973.03        |
| 3d quarter                    | 11,374      | 625.46        | 80      | 375.00        | 0        | --            | 11,294  | 627.24        |
| 4th quarter                   | 13,130      | 392.23        | 1,104   | 362.32        | 0        | --            | 12,027  | 394.95        |
| 1992 total and average value  | 33,661      | 592.73        | 2,745   | 336.98        | 0        | --            | 30,917  | 615.42        |

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

**Table 28—Volume and average value of log exports by port, species, and destination, Seattle Customs District, 1992**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and species         | Destination   |               |         |               |                            |               |         |               |        |               |
|--------------------------|---------------|---------------|---------|---------------|----------------------------|---------------|---------|---------------|--------|---------------|
|                          | All countries |               | Japan   |               | People's Republic of China |               | Korea   |               | Canada |               |
|                          | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume  | Average value | Volume | Average value |
| <b>Aberdeen-Hoquiam:</b> |               |               |         |               |                            |               |         |               |        |               |
| Douglas-fir              | 181,667       | 745.24        | 144,301 | 792.79        | 35,146                     | 550.32        | 2,220   | 597.57        | 0      | --            |
| Port-Orford-cedar        | 115           | 1,744.31      | 115     | 1,744.31      | 0                          | --            | 0       | --            | 0      | --            |
| Redcedar                 | 19,737        | 697.01        | 5,183   | 1,105.70      | 0                          | --            | 14,555  | 551.49        | 0      | --            |
| Hemlock                  | 248,382       | 488.12        | 95,255  | 550.41        | 43,680                     | 452.73        | 109,446 | 448.04        | 0      | --            |
| Spruce                   | 6,343         | 469.75        | 1,699   | 679.77        | 4,318                      | 390.34        | 326     | 427.19        | 0      | --            |
| Other softwoods          | 879           | 536.49        | 710     | 575.49        | 0                          | --            | 168     | 372.08        | 0      | --            |
| All softwoods            | 457,123       | 599.48        | 247,263 | 705.02        | 83,144                     | 494.55        | 126,715 | 462.39        | 0      | --            |
| All hardwoods            | 704           | 687.60        | 515     | 710.28        | 0                          | --            | 190     | 626.04        | 0      | --            |
| Red alder                | 239           | 427.46        | 185     | 323.57        | 0                          | --            | 54      | 786.56        | 0      | --            |
| <b>Anacortes:</b>        |               |               |         |               |                            |               |         |               |        |               |
| Douglas-fir              | 33,167        | 773.63        | 33,167  | 773.63        | 0                          | --            | 0       | --            | 0      | --            |
| Redcedar                 | 31            | 857.93        | 31      | 857.93        | 0                          | --            | 0       | --            | 0      | --            |
| Hemlock                  | 7,428         | 444.94        | 4,289   | 537.90        | 0                          | --            | 1,090   | 619.13        | 2,050  | 157.83        |
| Other softwoods          | 114           | 1,967.39      | 114     | 1,967.39      | 0                          | --            | 0       | --            | 0      | --            |
| All softwoods            | 40,740        | 717.10        | 37,600  | 750.43        | 0                          | --            | 1,090   | 619.13        | 2,050  | 157.83        |
| Hardwoods                | 183           | 634.48        | 78      | 268.73        | 0                          | --            | 0       | --            | 105    | 906.49        |
| <b>Everett:</b>          |               |               |         |               |                            |               |         |               |        |               |
| Douglas-fir              | 135,832       | 775.69        | 132,437 | 784.11        | 2,519                      | 324.49        | 130     | 695.09        | 0      | --            |
| Port-Orford-cedar        | 228           | 1,542.83      | 0       | --            | 0                          | --            | 228     | 1,542.83      | 0      | --            |
| Redcedar                 | 4,101         | 698.58        | 1,305   | 701.71        | 0                          | --            | 2,630   | 698.70        | 0      | --            |
| Hemlock                  | 82,119        | 532.56        | 52,321  | 571.28        | 2,097                      | 394.11        | 26,318  | 478.71        | 0      | --            |
| Spruce                   | 1,171         | 733.08        | 822     | 794.15        | 0                          | --            | 210     | 531.11        | 0      | --            |
| Other softwoods          | 6,134         | 663.84        | 5,651   | 689.64        | 0                          | --            | 483     | 362.15        | 0      | --            |
| All softwoods            | 229,585       | 684.90        | 192,536 | 722.98        | 4,616                      | 356.12        | 30,000  | 505.53        | 0      | --            |
| All hardwoods            | 9,187         | 686.18        | 5,988   | 864.57        | 141                        | 127.15        | 2,265   | 350.64        | 0      | --            |
| Red alder                | 853           | 365.77        | 14      | 906.00        | 141                        | 127.15        | 397     | 356.82        | 0      | --            |
| <b>Port Angeles:</b>     |               |               |         |               |                            |               |         |               |        |               |
| Douglas-fir              | 41,428        | 693.06        | 39,901  | 698.35        | 755                        | 516.49        | 772     | 592.47        | 0      | --            |
| Redcedar                 | 1,429         | 778.45        | 109     | 1,128.85      | 146                        | 438.61        | 1,173   | 788.01        | 0      | --            |
| Hemlock                  | 99,577        | 471.81        | 23,557  | 589.41        | 21,413                     | 363.35        | 54,607  | 463.62        | 0      | --            |
| Spruce                   | 8,203         | 558.82        | 4,312   | 645.19        | 2,902                      | 457.78        | 989     | 478.70        | 0      | --            |
| Other softwoods          | 1,897         | 590.20        | 1,797   | 590.70        | 0                          | --            | 100     | 581.28        | 0      | --            |
| All softwoods            | 152,533       | 540.93        | 69,676  | 656.13        | 25,216                     | 379.23        | 57,641  | 472.41        | 0      | --            |
| All hardwoods            | 1,792         | 407.99        | 323     | 249.86        | 468                        | 402.29        | 1,000   | 459.58        | 1      | 2,408.15      |
| Red alder                | 1,572         | 412.53        | 309     | 245.91        | 368                        | 510.82        | 795     | 483.29        | 0      | --            |
| <b>Seattle:</b>          |               |               |         |               |                            |               |         |               |        |               |
| Douglas-fir              | 1,427         | 677.98        | 1,140   | 671.13        | 0                          | --            | 41      | 1,050.30      | 95     | 308.27        |
| Port-Orford-cedar        | 115           | 1,625.12      | 0       | --            | 0                          | --            | 0       | --            | 0      | --            |
| Redcedar                 | 530           | 943.31        | 0       | --            | 0                          | --            | 127     | 947.27        | 0      | --            |
| Hemlock                  | 3,658         | 649.64        | 3,399   | 668.51        | 0                          | --            | 43      | 375.54        | 0      | --            |
| Spruce                   | 1,149         | 940.98        | 137     | 626.30        | 0                          | --            | 970     | 986.41        | 0      | --            |
| Other softwoods          | 3,715         | 709.45        | 523     | 762.95        | 0                          | --            | 2,727   | 645.54        | 0      | --            |
| All softwoods            | 10,593        | 731.32        | 5,200   | 677.48        | 0                          | --            | 3,907   | 741.25        | 95     | 308.27        |
| All hardwoods            | 6,360         | 2,060.29      | 1,529   | 2,282.97      | 4                          | 2,393.54      | 2,889   | 2,188.41      | 0      | --            |
| Red alder                | 182           | 1,379.81      | 31      | 1,346.50      | 0                          | --            | 0       | --            | 0      | --            |

**Table 28--Volume and average value of log exports by port, species, and destination, Seattle Customs District, 1992 (continued)**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and species          | Destination   |               |         |               |                            |               |         |               |        |               |
|---------------------------|---------------|---------------|---------|---------------|----------------------------|---------------|---------|---------------|--------|---------------|
|                           | All countries |               | Japan   |               | People's Republic of China |               | Korea   |               | Canada |               |
|                           | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume  | Average value | Volume | Average value |
| Tacoma:                   |               |               |         |               |                            |               |         |               |        |               |
| Douglas-fir               | 364,719       | 773.97        | 335,367 | 793.19        | 28,982                     | 552.04        | 333     | 766.52        | 0      | --            |
| Port-Orford-cedar         | 96            | 1,528.43      | 96      | 1,528.43      | 0                          | --            | 0       | --            | 0      | --            |
| Redcedar                  | 2,012         | 825.45        | 523     | 795.05        | 0                          | --            | 1,088   | 717.84        | 0      | --            |
| Hemlock                   | 113,971       | 519.60        | 84,227  | 532.18        | 12,286                     | 514.90        | 17,458  | 462.21        | 0      | --            |
| Spruce                    | 2,017         | 552.01        | 1,860   | 541.11        | 94                         | 448.52        | 0       | --            | 0      | --            |
| Other softwoods           | 11,437        | 548.76        | 10,974  | 546.62        | 0                          | --            | 224     | 367.54        | 0      | --            |
| All softwoods             | 494,252       | 709.55        | 433,047 | 735.26        | 41,362                     | 540.77        | 19,102  | 480.96        | 0      | --            |
| All hardwoods             | 10,061        | 1,221.19      | 7,265   | 1,417.20      | 0                          | --            | 656     | 530.91        | 0      | --            |
| Red alder                 | 384           | 547.81        | 284     | 626.66        | 0                          | --            | 99      | 322.13        | 0      | --            |
| Other ports: <sup>a</sup> |               |               |         |               |                            |               |         |               |        |               |
| Douglas-fir               | 3,085         | 355.40        | 662     | 475.65        | 0                          | --            | 0       | --            | 2,423  | 322.54        |
| Redcedar                  | 108           | 787.02        | 0       | --            | 0                          | --            | 0       | --            | 85     | 637.17        |
| Hemlock                   | 1,336         | 373.02        | 1,306   | 375.98        | 0                          | --            | 0       | --            | 22     | 198.06        |
| Spruce                    | 2,175         | 398.65        | 2,175   | 398.65        | 0                          | --            | 0       | --            | 0      | --            |
| Other softwoods           | 2,228         | 386.33        | 0       | --            | 0                          | --            | 0       | --            | 2,228  | 386.33        |
| All softwoods             | 8,932         | 381.50        | 4,143   | 403.81        | 0                          | --            | 0       | --            | 4,759  | 357.47        |
| All hardwoods             | 672           | 914.49        | 0       | --            | 0                          | --            | 0       | --            | 645    | 845.23        |
| Red alder                 | 8             | 900.67        | 0       | --            | 0                          | --            | 0       | --            | 0      | --            |
| Total:                    |               |               |         |               |                            |               |         |               |        |               |
| Douglas-fir               | 761,324       | 761.13        | 686,975 | 784.39        | 67,401                     | 546.93        | 3,496   | 621.47        | 2,518  | 322.00        |
| Port-Orford-cedar         | 555           | 1,599.26      | 211     | 1,646.18      | 0                          | --            | 228     | 1,542.83      | 0      | --            |
| Redcedar                  | 27,948        | 715.85        | 7,151   | 1,008.53      | 146                        | 438.61        | 19,573  | 597.26        | 85     | 637.17        |
| Hemlock                   | 556,472       | 498.42        | 264,355 | 552.66        | 79,477                     | 436.71        | 208,962 | 458.03        | 2,072  | 158.26        |
| Spruce                    | 21,057        | 545.33        | 11,005  | 595.11        | 7,314                      | 417.84        | 2,494   | 673.70        | 0      | --            |
| Other softwoods           | 26,403        | 593.08        | 19,769  | 606.46        | 0                          | --            | 3,702   | 577.57        | 2,228  | 386.33        |
| All softwoods             | 1,393,758     | 649.22        | 989,466 | 718.62        | 154,338                    | 483.96        | 238,456 | 477.01        | 6,904  | 297.52        |
| All hardwoods             | 28,959        | 1,161.62      | 15,698  | 1,237.79      | 612                        | 350.29        | 6,999   | 1,149.08      | 751    | 856.10        |
| Red alder                 | 3,237         | 472.78        | 824     | 447.65        | 509                        | 404.43        | 1,345   | 446.15        | 0      | --            |

<sup>a</sup> Bellingham, Blaine, Laurier, Lynden, Oroville, and Sumas.

Source: U.S. Department of Commerce.

**Table 29--Volume and average value of log exports by port, species, and destination, Seattle Customs District, fourth quarter 1992**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and species         | Destination   |               |        |               |                            |               |        |               |        |               |
|--------------------------|---------------|---------------|--------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                          | All countries |               | Japan  |               | People's Republic of China |               | Korea  |               | Canada |               |
|                          | Volume        | Average value | Volume | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| <b>Aberdeen-Hoquiam:</b> |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 41,051        | 866.96        | 31,554 | 931.29        | 8,804                      | 655.71        | 693    | 621.44        | 0      | --            |
| Redcedar                 | 3,056         | 742.77        | 304    | 837.04        | 0                          | --            | 2,752  | 732.36        | 0      | --            |
| Hemlock                  | 71,810        | 539.51        | 27,309 | 592.24        | 20,114                     | 476.46        | 24,387 | 532.46        | 0      | --            |
| Spruce                   | 1,721         | 462.20        | 181    | 628.80        | 1,487                      | 442.72        | 52     | 438.09        | 0      | --            |
| Other softwoods          | 139           | 359.86        | 21     | 519.49        | 0                          | --            | 119    | 332.22        | 0      | --            |
| All softwoods            | 117,776       | 657.57        | 59,369 | 773.78        | 30,405                     | 526.72        | 28,002 | 553.28        | 0      | --            |
| All hardwoods            | 216           | 453.72        | 163    | 293.84        | 0                          | --            | 52     | 952.92        | 0      | --            |
| Red alder                | 207           | 423.02        | 163    | 293.84        | 0                          | --            | 44     | 905.84        | 0      | --            |
| <b>Anacortes:</b>        |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 4,842         | 1,044.13      | 4,842  | 1,044.13      | 0                          | --            | 0      | --            | 0      | --            |
| Redcedar                 | 25            | 846.34        | 25     | 846.34        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                  | 487           | 661.57        | 487    | 661.57        | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods          | 64            | 2,520.98      | 64     | 2,520.98      | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods            | 5,418         | 1,026.44      | 5,418  | 1,026.44      | 0                          | --            | 0      | --            | 0      | --            |
| <b>Everett:</b>          |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 33,461        | 911.44        | 33,335 | 912.30        | 0                          | --            | 125    | 684.13        | 0      | --            |
| Port-Orford-cedar        | 228           | 1,542.83      | 0      | --            | 0                          | --            | 228    | 1,542.83      | 0      | --            |
| Redcedar                 | 1,511         | 645.62        | 124    | 921.01        | 0                          | --            | 1,319  | 611.39        | 0      | --            |
| Hemlock                  | 23,726        | 579.95        | 15,300 | 577.36        | 0                          | --            | 8,426  | 584.67        | 0      | --            |
| Spruce                   | 47            | 866.26        | 0      | --            | 0                          | --            | 47     | 866.26        | 0      | --            |
| Other softwoods          | 918           | 1,036.84      | 918    | 1,036.84      | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods            | 59,891        | 777.71        | 49,677 | 811.46        | 0                          | --            | 10,145 | 612.24        | 0      | --            |
| All hardwoods            | 1,277         | 614.76        | 853    | 717.49        | 0                          | --            | 424    | 408.17        | 0      | --            |
| Red alder                | 218           | 366.07        | 0      | --            | 0                          | --            | 218    | 366.07        | 0      | --            |
| <b>Port Angeles:</b>     |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 12,197        | 729.08        | 10,980 | 746.20        | 497                        | 553.67        | 720    | 589.07        | 0      | --            |
| Hemlock                  | 19,266        | 433.13        | 3,059  | 509.05        | 9,362                      | 346.73        | 6,845  | 517.39        | 0      | --            |
| Spruce                   | 3,113         | 508.58        | 2,377  | 493.15        | 284                        | 548.72        | 452    | 564.57        | 0      | --            |
| Other softwoods          | 462           | 515.19        | 362    | 496.99        | 0                          | --            | 100    | 581.28        | 0      | --            |
| All softwoods            | 35,038        | 543.94        | 16,779 | 661.73        | 10,143                     | 362.51        | 8,117  | 527.15        | 0      | --            |
| All hardwoods            | 115           | 544.16        | 14     | 334.94        | 99                         | 553.67        | 0      | --            | 1      | 2,408.15      |
| Red alder                | 99            | 553.67        | 0      | --            | 99                         | 553.67        | 0      | --            | 0      | --            |
| <b>Seattle:</b>          |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 164           | 766.46        | 26     | 943.75        | 0                          | --            | 14     | 474.23        | 95     | 308.27        |
| Port-Orford-cedar        | 10            | 1,750.23      | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                  | 5             | 1,877.27      | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                   | 42            | 921.12        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods          | 614           | 740.14        | 257    | 598.78        | 0                          | --            | 274    | 857.38        | 0      | --            |
| All softwoods            | 835           | 772.73        | 284    | 630.97        | 0                          | --            | 289    | 838.62        | 95     | 308.27        |
| All hardwoods            | 1,409         | 2,277.93      | 796    | 2,212.73      | 0                          | --            | 336    | 2,919.13      | 0      | --            |
| Red alder                | 144           | 1,536.88      | 31     | 1,346.50      | 0                          | --            | 0      | --            | 0      | --            |

**Table 29—Volume and average value of log exports by port, species, and destination, Seattle Customs District, fourth quarter 1992 (continued)**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and species          | Destination   |               |         |               |                            |               |        |               |        |               |
|---------------------------|---------------|---------------|---------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                           | All countries |               | Japan   |               | People's Republic of China |               | Korea  |               | Canada |               |
|                           | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| Tacoma:                   |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir               | 65,970        | 882.99        | 58,435  | 914.90        | 7,223                      | 629.78        | 313    | 767.25        | 0      | --            |
| Redcedar                  | 1,028         | 724.59        | 183     | 623.04        | 0                          | --            | 702    | 753.57        | 0      | --            |
| Hemlock                   | 30,993        | 550.72        | 19,410  | 557.59        | 7,550                      | 559.18        | 4,033  | 501.81        | 0      | --            |
| Spruce                    | 229           | 772.18        | 115     | 761.81        | 52                         | 480.24        | 0      | --            | 0      | --            |
| Other softwoods           | 1,318         | 876.84        | 1,318   | 876.84        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods             | 99,538        | 777.56        | 79,461  | 826.10        | 14,824                     | 593.30        | 5,048  | 553.26        | 0      | --            |
| All hardwoods             | 1,695         | 1,082.69      | 1,330   | 1,145.01      | 0                          | --            | 99     | 322.13        | 0      | --            |
| Red alder                 | 129           | 351.38        | 30      | 448.87        | 0                          | --            | 99     | 322.13        | 0      | --            |
| Other ports: <sup>a</sup> |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir               | 56            | 183.49        | 0       | --            | 0                          | --            | 0      | --            | 56     | 183.49        |
| Redcedar                  | 23            | 1,355.54      | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods           | 555           | 328.03        | 0       | --            | 0                          | --            | 0      | --            | 555    | 328.03        |
| All softwoods             | 633           | 351.82        | 0       | --            | 0                          | --            | 0      | --            | 611    | 314.82        |
| All hardwoods             | 153           | 1,004.03      | 0       | --            | 0                          | --            | 0      | --            | 138    | 884.06        |
| Red alder                 | 8             | 900.67        | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| Total:                    |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir               | 157,741       | 877.53        | 139,173 | 909.19        | 16,523                     | 641.31        | 1,865  | 636.50        | 151    | 262.12        |
| Port-Orford-cedar         | 238           | 1,551.28      | 0       | --            | 0                          | --            | 228    | 1,542.83      | 0      | --            |
| Redcedar                  | 5,642         | 716.35        | 636     | 792.04        | 0                          | --            | 4,772  | 702.06        | 0      | --            |
| Hemlock                   | 146,287       | 534.88        | 65,565  | 575.14        | 37,026                     | 460.53        | 43,692 | 537.33        | 0      | --            |
| Spruce                    | 5,151         | 511.42        | 2,674   | 513.93        | 1,822                      | 460.28        | 551    | 578.19        | 0      | --            |
| Other softwoods           | 4,070         | 784.78        | 2,940   | 889.18        | 0                          | --            | 493    | 675.12        | 555    | 328.03        |
| All softwoods             | 319,130       | 711.02        | 210,987 | 799.74        | 55,372                     | 514.47        | 51,601 | 562.36        | 706    | 313.93        |
| All hardwoods             | 4,864         | 1,262.91      | 3,156   | 1,251.06      | 99                         | 553.67        | 912    | 1,355.40      | 140    | 896.12        |
| Red alder                 | 806           | 616.24        | 224     | 460.53        | 99                         | 553.67        | 361    | 419.28        | 0      | --            |

<sup>a</sup> Bellingham, Blaine, Laurier, Lynden, Oroville, and Sumas.

Source: U.S. Department of Commerce.

**Table 30--Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, 1992**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and species              | Destination   |               |         |               |                            |               |        |               |        |               |
|-------------------------------|---------------|---------------|---------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                               | All countries |               | Japan   |               | People's Republic of China |               | Korea  |               | Taiwan |               |
|                               | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| <b>Astoria:</b>               |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 7,398         | 753.39        | 7,221   | 745.44        | 0                          | --            | 177    | 1,077.18      | 0      | --            |
| Redcedar                      | 6             | 1,157.67      | 0       | --            | 0                          | --            | 6      | 1,157.67      | 0      | --            |
| Hemlock                       | 22,314        | 527.71        | 5,301   | 584.24        | 0                          | --            | 17,013 | 510.10        | 0      | --            |
| Spruce                        | 121           | 654.31        | 51      | 666.97        | 0                          | --            | 70     | 645.09        | 0      | --            |
| Other softwoods               | 2,124         | 592.18        | 2,124   | 592.18        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                 | 31,963        | 584.83        | 14,697  | 664.88        | 0                          | --            | 17,266 | 516.69        | 0      | --            |
| <b>Coos Bay:</b>              |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 102,722       | 777.28        | 91,009  | 818.20        | 11,067                     | 453.03        | 0      | --            | 0      | --            |
| Port-Orford-cedar             | 8,919         | 1,953.03      | 8,919   | 1,953.03      | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                       | 5,447         | 488.29        | 2,463   | 632.82        | 2,984                      | 368.98        | 0      | --            | 0      | --            |
| Spruce                        | 162           | 513.32        | 162     | 513.32        | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods               | 299           | 1,401.71      | 251     | 1,418.43      | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                 | 117,548       | 854.32        | 102,804 | 913.19        | 14,051                     | 435.18        | 0      | --            | 0      | --            |
| All hardwoods                 | 99            | 1,101.44      | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| <b>Longview (Washington):</b> |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 257,837       | 800.55        | 232,828 | 822.90        | 23,664                     | 589.12        | 980    | 581.65        | 364    | 838.05        |
| Redcedar                      | 433           | 1,278.63      | 433     | 1,278.63      | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                       | 29,228        | 555.83        | 21,889  | 545.54        | 1,951                      | 425.85        | 4,945  | 671.95        | 442    | 339.75        |
| Spruce                        | 997           | 675.93        | 997     | 675.93        | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods               | 9,064         | 736.16        | 8,710   | 755.57        | 50                         | 444.79        | 0      | --            | 304    | 227.32        |
| All softwoods                 | 297,558       | 774.83        | 264,858 | 797.96        | 25,666                     | 576.42        | 5,925  | 657.02        | 1,109  | 472.61        |
| All hardwoods                 | 42            | 1,138.04      | 38      | 906.00        | 0                          | --            | 0      | --            | 0      | --            |
| <b>Newport:</b>               |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 8,733         | 700.67        | 8,612   | 702.82        | 0                          | --            | 121    | 547.89        | 0      | --            |
| Hemlock                       | 8,432         | 463.27        | 1,617   | 633.08        | 0                          | --            | 6,815  | 422.99        | 0      | --            |
| Spruce                        | 345           | 446.86        | 234     | 462.73        | 0                          | --            | 111    | 413.45        | 0      | --            |
| Other softwoods               | 443           | 510.25        | 443     | 510.25        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                 | 17,953        | 579.60        | 10,906  | 679.50        | 0                          | --            | 7,047  | 424.99        | 0      | --            |
| <b>Portland:</b>              |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 257,852       | 774.43        | 248,303 | 776.80        | 7,869                      | 696.77        | 1,220  | 695.84        | 459    | 1,023.61      |
| Port-Orford-cedar             | 814           | 1,800.42      | 223     | 1,581.62      | 0                          | --            | 0      | --            | 591    | 1,883.05      |
| Redcedar                      | 170           | 1,215.60      | 38      | 1,469.73      | 0                          | --            | 9      | 508.83        | 0      | --            |
| Hemlock                       | 51,701        | 483.74        | 22,990  | 551.03        | 0                          | --            | 28,711 | 429.85        | 0      | --            |
| Spruce                        | 672           | 499.22        | 396     | 555.81        | 0                          | --            | 275    | 417.76        | 0      | --            |
| Other softwoods               | 11,598        | 619.69        | 11,151  | 604.01        | 0                          | --            | 40     | 402.67        | 238    | 809.31        |
| All softwoods                 | 322,807       | 724.56        | 283,101 | 752.07        | 7,869                      | 696.77        | 30,255 | 440.45        | 1,288  | 1,378.41      |
| All hardwoods                 | 1,213         | 1,836.20      | 613     | 1,714.91      | 0                          | --            | 26     | 3,707.44      | 293    | 1,446.40      |
| Red alder                     | 232           | 979.45        | 75      | 2,310.80      | 0                          | --            | 0      | --            | 157    | 338.15        |
| <b>Total:</b>                 |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 634,542       | 784.24        | 587,973 | 799.99        | 42,601                     | 573.65        | 2,498  | 670.93        | 823    | 941.52        |
| Port-Orford-cedar             | 9,733         | 1,940.26      | 9,142   | 1,943.96      | 0                          | --            | 0      | --            | 591    | 1,883.05      |
| Redcedar                      | 609           | 1,259.83      | 471     | 1,293.96      | 0                          | --            | 15     | 759.10        | 0      | --            |
| Hemlock                       | 117,121       | 508.85        | 54,260  | 558.22        | 4,935                      | 391.46        | 57,485 | 473.62        | 442    | 339.75        |
| Spruce                        | 2,297         | 577.20        | 1,840   | 608.37        | 0                          | --            | 456    | 451.47        | 0      | --            |
| Other softwoods               | 23,528        | 669.94        | 22,680  | 668.31        | 50                         | 444.79        | 40     | 402.67        | 541    | 482.95        |
| All softwoods                 | 787,830       | 753.93        | 676,366 | 791.47        | 47,586                     | 554.62        | 60,494 | 481.62        | 2,397  | 959.25        |
| All hardwoods                 | 1,355         | 1,760.59      | 651     | 1,668.28      | 0                          | --            | 26     | 3,707.44      | 293    | 1,446.40      |
| Red alder                     | 232           | 979.45        | 75      | 2,310.80      | 0                          | --            | 0      | --            | 157    | 338.15        |

Source: U.S. Department of Commerce.

**Table 31--Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, fourth quarter 1992**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and species              | Destination   |               |         |               |                            |               |        |               |        |               |
|-------------------------------|---------------|---------------|---------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                               | All countries |               | Japan   |               | People's Republic of China |               | Korea  |               | Taiwan |               |
|                               | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| <b>Astoria:</b>               |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 1,296         | 931.50        | 1,119   | 908.41        | 0                          | --            | 177    | 1,077.18      | 0      | --            |
| Redcedar                      | 6             | 1,157.67      | 0       | --            | 0                          | --            | 6      | 1,157.67      | 0      | --            |
| Hemlock                       | 16,551        | 539.39        | 2,481   | 604.03        | 0                          | --            | 14,070 | 527.99        | 0      | --            |
| Spruce                        | 70            | 645.09        | 0       | --            | 0                          | --            | 70     | 645.09        | 0      | --            |
| Other softwoods               | 718           | 466.65        | 718     | 466.65        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                 | 18,641        | 564.44        | 4,318   | 660.06        | 0                          | --            | 14,323 | 535.62        | 0      | --            |
| <b>Coos Bay:</b>              |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 28,624        | 827.31        | 20,886  | 939.65        | 7,381                      | 523.05        | 0      | --            | 0      | --            |
| Port-Orford-cedar             | 1,104         | 3,311.58      | 1,104   | 3,311.58      | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                       | 3,305         | 389.70        | 321     | 582.21        | 2,984                      | 368.98        | 0      | --            | 0      | --            |
| All softwoods                 | 33,033        | 866.57        | 22,312  | 1,051.89      | 10,364                     | 478.69        | 0      | --            | 0      | --            |
| <b>Longview (Washington):</b> |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 111,687       | 906.05        | 102,585 | 925.67        | 8,123                      | 697.35        | 980    | 581.65        | 0      | --            |
| Redcedar                      | 225           | 1,287.84      | 225     | 1,287.84      | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                       | 16,140        | 581.61        | 10,655  | 550.09        | 540                        | 375.96        | 4,945  | 671.95        | 0      | --            |
| Spruce                        | 471           | 676.51        | 471     | 676.51        | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods               | 4,456         | 821.07        | 4,456   | 821.07        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                 | 132,979       | 863.65        | 118,391 | 887.63        | 8,662                      | 677.31        | 5,925  | 657.02        | 0      | --            |
| All hardwoods                 | 29            | 487.85        | 29      | 487.85        | 0                          | --            | 0      | --            | 0      | --            |
| <b>Newport:</b>               |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 2,554         | 852.73        | 2,432   | 867.92        | 0                          | --            | 121    | 547.89        | 0      | --            |
| Hemlock                       | 536           | 969.38        | 536     | 969.38        | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                        | 111           | 413.45        | 0       | --            | 0                          | --            | 111    | 413.45        | 0      | --            |
| All softwoods                 | 3,201         | 857.01        | 2,969   | 886.25        | 0                          | --            | 232    | 483.54        | 0      | --            |
| <b>Portland:</b>              |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 10,136        | 1,012.72      | 10,135  | 1,012.27      | 0                          | --            | 0      | --            | 0      | --            |
| Port-Orford-cedar             | 102           | 4,505.34      | 31      | 4,151.70      | 0                          | --            | 0      | --            | 71     | 4,661.16      |
| Redcedar                      | 46            | 2,333.45      | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                       | 86            | 1,686.17      | 86      | 1,686.17      | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods               | 851           | 637.95        | 803     | 579.15        | 0                          | --            | 0      | --            | 22     | 2,361.89      |
| All softwoods                 | 11,221        | 1,026.56      | 11,055  | 994.88        | 0                          | --            | 0      | --            | 92     | 4,122.09      |
| All hardwoods                 | 302           | 2,107.95      | 165     | 1,452.73      | 0                          | --            | 4      | 1,918.68      | 49     | 2,927.13      |
| <b>Total:</b>                 |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 154,297       | 897.78        | 137,158 | 933.03        | 15,503                     | 614.37        | 1,278  | 647.16        | 0      | --            |
| Port-Orford-cedar             | 1,206         | 3,412.32      | 1,135   | 3,334.61      | 0                          | --            | 0      | --            | 71     | 4,661.16      |
| Redcedar                      | 277           | 1,459.44      | 225     | 1,287.84      | 0                          | --            | 6      | 1,157.67      | 0      | --            |
| Hemlock                       | 36,618        | 553.47        | 14,079  | 583.24        | 3,524                      | 370.05        | 19,015 | 565.43        | 0      | --            |
| Spruce                        | 652           | 628.29        | 471     | 676.51        | 0                          | --            | 181    | 502.72        | 0      | --            |
| Other softwoods               | 6,024         | 752.97        | 5,976   | 746.00        | 0                          | --            | 0      | --            | 22     | 2,361.89      |
| All softwoods                 | 199,075       | 845.19        | 159,044 | 911.92        | 19,027                     | 569.12        | 20,481 | 570.15        | 92     | 4,122.09      |
| All hardwoods                 | 331           | 1,967.45      | 194     | 1,309.87      | 0                          | --            | 4      | 1,918.68      | 49     | 2,927.13      |

Source: U.S. Department of Commerce.

**Table 32--Volume and average value of log exports by port, species, and destination,  
San Francisco Customs District, 1992**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and<br>species | Destination   |                  |        |                  |                               |                  |        |                  |        |                  |
|---------------------|---------------|------------------|--------|------------------|-------------------------------|------------------|--------|------------------|--------|------------------|
|                     | All countries |                  | Japan  |                  | People's Republic<br>of China |                  | Korea  |                  | Taiwan |                  |
|                     | Volume        | Average<br>value | Volume | Average<br>value | Volume                        | Average<br>value | Volume | Average<br>value | Volume | Average<br>value |
| Eureka:             |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Other softwoods     | 92            | 405.20           | 0      | --               | 0                             | --               | 0      | --               | 0      | --               |
| Oakland:            |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Redcedar            | 104           | 794.67           | 11     | 2,132.88         | 0                             | --               | 63     | 709.59           | 0      | --               |
| Hemlock             | 12            | 1,319.04         | 12     | 1,319.04         | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods     | 6,586         | 528.00           | 18     | 4,630.82         | 0                             | --               | 129    | 635.21           | 351    | 466.99           |
| All softwoods       | 6,702         | 533.61           | 41     | 2,989.09         | 0                             | --               | 192    | 659.69           | 351    | 466.99           |
| Hardwoods           | 3,082         | 2,226.29         | 1,401  | 2,441.68         | 0                             | --               | 227    | 1,907.88         | 124    | 1,424.84         |
| Richmond:           |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Douglas-fir         | 279           | 957.65           | 279    | 957.65           | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods     | 996           | 679.00           | 996    | 679.00           | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 1,274         | 739.96           | 1,274  | 739.96           | 0                             | --               | 0      | --               | 0      | --               |
| Sacramento:         |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Douglas-fir         | 3,638         | 902.32           | 3,638  | 902.32           | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods     | 4,836         | 529.44           | 4,836  | 529.44           | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 8,474         | 689.50           | 8,474  | 689.50           | 0                             | --               | 0      | --               | 0      | --               |
| San Francisco:      |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Douglas-fir         | 1,098         | 1,566.78         | 1,098  | 1,566.78         | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods     | 10            | 1,021.66         | 10     | 1,021.66         | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 1,108         | 1,561.68         | 1,108  | 1,561.68         | 0                             | --               | 0      | --               | 0      | --               |
| Hardwoods           | 17            | 971.94           | 17     | 971.94           | 0                             | --               | 0      | --               | 0      | --               |
| Total:              |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Douglas-fir         | 5,014         | 1,050.86         | 5,014  | 1,050.86         | 0                             | --               | 0      | --               | 0      | --               |
| Redcedar            | 104           | 794.67           | 11     | 2,132.88         | 0                             | --               | 63     | 709.59           | 0      | --               |
| Hemlock             | 12            | 1,319.04         | 12     | 1,319.04         | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods     | 12,520        | 540.07           | 5,860  | 568.38           | 0                             | --               | 129    | 635.21           | 351    | 466.99           |
| All softwoods       | 17,651        | 687.23           | 10,898 | 792.76           | 0                             | --               | 192    | 659.69           | 351    | 466.99           |
| Hardwoods           | 3,099         | 2,219.23         | 1,418  | 2,423.61         | 0                             | --               | 227    | 1,907.88         | 124    | 1,424.84         |

Source: U.S. Department of Commerce.

**Table 33--Volume and average value of log exports by port, species, and destination,  
San Francisco Customs District, fourth quarter 1992**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and<br>species | Destination   |                  |        |                  |                               |                  |        |                  |        |                  |
|---------------------|---------------|------------------|--------|------------------|-------------------------------|------------------|--------|------------------|--------|------------------|
|                     | All countries |                  | Japan  |                  | People's Republic<br>of China |                  | Korea  |                  | Taiwan |                  |
|                     | Volume        | Average<br>value | Volume | Average<br>value | Volume                        | Average<br>value | Volume | Average<br>value | Volume | Average<br>value |
| Oakland:            |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Redcedar            | 31            | 507.59           | 0      | --               | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods     | 807           | 676.77           | 18     | 4,630.82         | 0                             | --               | 20     | 1,016.73         | 166    | 463.66           |
| All softwoods       | 838           | 670.57           | 18     | 4,630.82         | 0                             | --               | 20     | 1,016.73         | 166    | 463.66           |
| Hardwoods           | 919           | 2,521.11         | 728    | 2,479.65         | 0                             | --               | 25     | 3,195.57         | 0      | --               |
| Richmond:           |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Douglas-fir         | 279           | 957.65           | 279    | 957.65           | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods     | 996           | 679.00           | 996    | 679.00           | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 1,274         | 739.96           | 1,274  | 739.96           | 0                             | --               | 0      | --               | 0      | --               |
| Sacramento:         |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Douglas-fir         | 2,581         | 1,031.52         | 2,581  | 1,031.52         | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods     | 1,532         | 612.78           | 1,532  | 612.78           | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 4,113         | 875.54           | 4,113  | 875.54           | 0                             | --               | 0      | --               | 0      | --               |
| San Francisco:      |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Douglas-fir         | 1,098         | 1,566.78         | 1,098  | 1,566.78         | 0                             | --               | 0      | --               | 0      | --               |
| Total:              |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Douglas-fir         | 3,957         | 1,174.80         | 3,957  | 1,174.80         | 0                             | --               | 0      | --               | 0      | --               |
| Redcedar            | 31            | 507.59           | 0      | --               | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods     | 3,334         | 648.03           | 2,546  | 667.25           | 0                             | --               | 20     | 1,016.73         | 166    | 463.66           |
| All softwoods       | 7,323         | 932.13           | 6,053  | 976.11           | 0                             | --               | 20     | 1,016.73         | 166    | 463.66           |
| Hardwoods           | 919           | 2,521.11         | 728    | 2,479.65         | 0                             | --               | 25     | 3,195.57         | 0      | --               |

Source: U.S. Department of Commerce.

**Table 34--Volume and average value of log exports by port, species, and destination, Anchorage Customs District, 1992**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and species | Destination   |               |         |               |                            |               |         |               |        |               |
|------------------|---------------|---------------|---------|---------------|----------------------------|---------------|---------|---------------|--------|---------------|
|                  | All countries |               | Japan   |               | People's Republic of China |               | Korea   |               | Canada |               |
|                  | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume  | Average value | Volume | Average value |
| Anchorage:       |               |               |         |               |                            |               |         |               |        |               |
| Redcedar         | 621           | 430.76        | 0       | --            | 0                          | --            | 0       | --            | 621    | 430.76        |
| Hemlock          | 29,108        | 532.28        | 15,288  | 619.96        | 1,183                      | 363.35        | 8,925   | 642.00        | 0      | --            |
| Spruce           | 90,084        | 730.74        | 48,173  | 709.50        | 30,917                     | 615.43        | 5,416   | 878.94        | 0      | --            |
| Other softwoods  | 1,148         | 697.31        | 1,148   | 359.37        | 0                          | --            | 0       | --            | 0      | --            |
| All softwoods    | 120,961       | 681.13        | 64,609  | 682.09        | 32,100                     | 606.13        | 14,341  | 731.48        | 621    | 430.76        |
| Hardwoods        | 77            | 2,668.53      | 0       | --            | 0                          | --            | 77      | 2,668.53      | 0      | --            |
| Dalton Cache:    |               |               |         |               |                            |               |         |               |        |               |
| Hemlock          | 1,086         | 320.88        | 1,086   | 320.88        | 0                          | --            | 0       | --            | 0      | --            |
| Spruce           | 5,015         | 488.73        | 5,015   | 488.73        | 0                          | --            | 0       | --            | 0      | --            |
| All softwoods    | 6,101         | 458.85        | 6,101   | 458.85        | 0                          | --            | 0       | --            | 0      | --            |
| Juneau:          |               |               |         |               |                            |               |         |               |        |               |
| Hemlock          | 41,443        | 392.92        | 10,648  | 587.48        | 0                          | --            | 28,947  | 327.42        | 0      | --            |
| Spruce           | 23,662        | 592.42        | 20,913  | 617.00        | 0                          | --            | 2,533   | 380.90        | 0      | --            |
| Other softwoods  | 501           | 1,168.94      | 501     | 1,168.94      | 0                          | --            | 0       | --            | 0      | --            |
| All softwoods    | 65,605        | 470.80        | 32,062  | 615.81        | 0                          | --            | 31,480  | 331.73        | 0      | --            |
| Ketchikan:       |               |               |         |               |                            |               |         |               |        |               |
| Redcedar         | 46,490        | 518.08        | 21,602  | 536.56        | 0                          | --            | 11,363  | 474.87        | 3,419  | 490.14        |
| Hemlock          | 140,662       | 460.83        | 88,609  | 549.69        | 1,561                      | 317.09        | 46,796  | 299.41        | 0      | --            |
| Spruce           | 102,558       | 804.06        | 96,412  | 823.45        | 0                          | --            | 3,791   | 296.68        | 0      | --            |
| Other softwoods  | 42,422        | 937.87        | 37,810  | 970.14        | 0                          | --            | 0       | --            | 430    | 227.48        |
| All softwoods    | 332,132       | 635.76        | 244,433 | 721.55        | 1,561                      | 317.09        | 61,951  | 331.43        | 3,849  | 460.77        |
| Hardwoods        | 7             | 1,169.16      | 0       | --            | 0                          | --            | 0       | --            | 7      | 1,169.16      |
| Sand Point:      |               |               |         |               |                            |               |         |               |        |               |
| Spruce           | 893           | 415.24        | 893     | 415.24        | 0                          | --            | 0       | --            | 0      | --            |
| Skagway:         |               |               |         |               |                            |               |         |               |        |               |
| Spruce           | 2,602         | 554.19        | 2,602   | 554.19        | 0                          | --            | 0       | --            | 0      | --            |
| Wrangell:        |               |               |         |               |                            |               |         |               |        |               |
| Redcedar         | 334           | 600.07        | 334     | 600.07        | 0                          | --            | 0       | --            | 0      | --            |
| Hemlock          | 385           | 388.56        | 385     | 388.56        | 0                          | --            | 0       | --            | 0      | --            |
| Spruce           | 451           | 512.56        | 451     | 512.56        | 0                          | --            | 0       | --            | 0      | --            |
| Other softwoods  | 2,529         | 747.92        | 2,529   | 747.92        | 0                          | --            | 0       | --            | 0      | --            |
| All softwoods    | 3,699         | 668.43        | 3,699   | 668.43        | 0                          | --            | 0       | --            | 0      | --            |
| Total:           |               |               |         |               |                            |               |         |               |        |               |
| Redcedar         | 47,444        | 517.51        | 21,936  | 537.53        | 0                          | --            | 11,363  | 474.87        | 4,040  | 481.02        |
| Hemlock          | 212,684       | 456.53        | 116,016 | 559.74        | 2,745                      | 337.03        | 84,669  | 345.10        | 0      | --            |
| Spruce           | 225,266       | 740.47        | 174,459 | 750.71        | 30,917                     | 615.43        | 11,739  | 583.47        | 0      | --            |
| Other softwoods  | 46,599        | 924.12        | 41,987  | 942.42        | 0                          | --            | 0       | --            | 430    | 227.48        |
| All softwoods    | 531,993       | 623.16        | 354,398 | 697.71        | 33,661                     | 592.73        | 107,772 | 384.75        | 4,470  | 456.60        |
| Hardwoods        | 84            | 2,542.27      | 0       | --            | 0                          | --            | 77      | 2,668.53      | 7      | 1,169.16      |

Source: U.S. Department of Commerce.

**Table 35--Volume and average value of log exports by port, species, and destination,  
Anchorage Customs District, fourth quarter 1992**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Port and<br>species | Destination   |                  |        |                  |                               |                  |        |                  |        |                  |
|---------------------|---------------|------------------|--------|------------------|-------------------------------|------------------|--------|------------------|--------|------------------|
|                     | All countries |                  | Japan  |                  | People's Republic<br>of China |                  | Korea  |                  | Canada |                  |
|                     | Volume        | Average<br>value | Volume | Average<br>value | Volume                        | Average<br>value | Volume | Average<br>value | Volume | Average<br>value |
| Anchorage:          |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Hemlock             | 8,830         | 467.35           | 2,754  | 421.10           | 1,104                         | 362.40           | 4,456  | 470.39           | 0      | --               |
| Spruce              | 22,606        | 515.24           | 9,898  | 593.85           | 12,027                        | 394.95           | 50     | 1,006.67         | 0      | --               |
| Other softwoods     | 300           | 553.67           | 300    | 553.67           | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 31,736        | 502.28           | 12,952 | 556.19           | 13,130                        | 392.22           | 4,505  | 476.30           | 0      | --               |
| Juneau:             |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Hemlock             | 11,686        | 373.44           | 95     | 324.68           | 0                             | --               | 11,591 | 373.85           | 0      | --               |
| Spruce              | 6,420         | 530.59           | 4,530  | 564.58           | 0                             | --               | 1,889  | 449.06           | 0      | --               |
| Other softwoods     | 501           | 1,168.94         | 501    | 1,168.94         | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 18,606        | 449.07           | 5,126  | 619.15           | 0                             | --               | 13,480 | 384.39           | 0      | --               |
| Ketchikan:          |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Redcedar            | 17,122        | 571.81           | 8,815  | 597.20           | 0                             | --               | 5,421  | 526.18           | 0      | --               |
| Hemlock             | 35,248        | 456.63           | 21,576 | 552.62           | 0                             | --               | 12,872 | 304.38           | 0      | --               |
| Spruce              | 23,817        | 805.76           | 22,097 | 817.46           | 0                             | --               | 817    | 361.55           | 0      | --               |
| Other softwoods     | 12,151        | 986.04           | 11,722 | 1,005.54         | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 88,338        | 645.91           | 64,211 | 732.57           | 0                             | --               | 19,110 | 369.74           | 0      | --               |
| Total:              |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Redcedar            | 17,122        | 571.81           | 8,815  | 597.20           | 0                             | --               | 5,421  | 526.18           | 0      | --               |
| Hemlock             | 55,764        | 440.90           | 24,425 | 536.91           | 1,104                         | 362.40           | 28,918 | 357.80           | 0      | --               |
| Spruce              | 52,843        | 648.05           | 36,526 | 725.50           | 12,027                        | 394.95           | 2,756  | 433.16           | 0      | --               |
| Other softwoods     | 12,952        | 983.10           | 12,523 | 1,001.25         | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 138,680       | 586.63           | 82,289 | 697.74           | 13,130                        | 392.22           | 37,095 | 388.01           | 0      | --               |

Source: U.S. Department of Commerce.

**Table 36--Volume and average value of hardwood log exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1981-92**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Year and quarter              | Seattle Customs District |               | Columbia-Snake Customs District |               | Anchorage Customs District |               | San Francisco Customs District |               |
|-------------------------------|--------------------------|---------------|---------------------------------|---------------|----------------------------|---------------|--------------------------------|---------------|
|                               | Volume                   | Average value | Volume                          | Average value | Volume                     | Average value | Volume                         | Average value |
| TO ALL COUNTRIES              |                          |               |                                 |               |                            |               |                                |               |
| 1981                          | 3,416                    | 928.92        | 439                             | 1,071.46      | 0                          | --            | 683                            | 2,082.79      |
| 1982                          | 3,788                    | 764.20        | 335                             | 649.14        | 0                          | --            | 623                            | 2,189.77      |
| 1983                          | 4,442                    | 592.01        | 374                             | 456.83        | 0                          | --            | 241                            | 947.33        |
| 1984                          | 5,918                    | 635.80        | 537                             | 1,900.04      | 0                          | --            | 302                            | 2,153.28      |
| 1985                          | 4,024                    | 951.03        | 1,090                           | 1,178.25      | 0                          | --            | 234                            | 1,399.62      |
| 1986                          | 7,603                    | 1,105.20      | 1,713                           | 753.66        | 31                         | 419.35        | 282                            | 1,131.39      |
| 1987                          | 15,714                   | 774.94        | 2,121                           | 683.11        | 82                         | 552.67        | 2,172                          | 836.66        |
| 1988                          | 32,102                   | 657.72        | 2,900                           | 674.14        | 469                        | 543.71        | 1,668                          | 820.14        |
| 1989                          | 36,719                   | 833.74        | 4,600                           | 829.78        | 65                         | 261.54        | 4,435                          | 1,712.06      |
| 1990                          | 32,940                   | 1,007.53      | 3,613                           | 1,071.69      | 7                          | 1,285.71      | 7,280                          | 1,560.85      |
| 1991:                         |                          |               |                                 |               |                            |               |                                |               |
| 1st quarter                   | 13,279                   | 1,039.01      | 1,751                           | 1,058.25      | 0                          | --            | 2,534                          | 1,658.64      |
| 2d quarter                    | 13,407                   | 955.02        | 2,180                           | 1,073.85      | 0                          | --            | 1,186                          | 1,428.33      |
| 3d quarter                    | 4,193                    | 942.52        | 964                             | 756.22        | 0                          | --            | 518                            | 1,527.36      |
| 4th quarter                   | 65,000                   | 97.99         | 1,109                           | 862.94        | 0                          | --            | 694                            | 1,753.60      |
| 1991 total                    | 95,879                   | 385.09        | 6,005                           | 979.35        | 0                          | --            | 4,932                          | 1,607.66      |
| 1992:                         |                          |               |                                 |               |                            |               |                                |               |
| 1st quarter                   | 10,673                   | 1,191.79      | 476                             | 1,348.74      | 0                          | --            | 641                            | 2,246.05      |
| 2d quarter                    | 7,821                    | 1,330.65      | 334                             | 2,583.83      | 0                          | --            | 1,189                          | 1,820.66      |
| 3d quarter                    | 3,798                    | 897.31        | 213                             | 1,070.42      | 77                         | 2,662.34      | 351                            | 2,720.80      |
| 4th quarter                   | 4,684                    | 1,286.51      | 331                             | 1,966.77      | 0                          | --            | 919                            | 2,521.22      |
| 1992 total                    | 26,975                   | 1,207.04      | 1,355                           | 1,760.15      | 77                         | 2,662.34      | 3,099                          | 2,219.43      |
| TO JAPAN                      |                          |               |                                 |               |                            |               |                                |               |
| 1981                          | 2,037                    | 1,061.60      | 229                             | 1,153.54      | 0                          | --            | 310                            | 2,396.77      |
| 1982                          | 1,465                    | 827.36        | 35                              | 1,842.97      | 0                          | --            | 417                            | 2,187.03      |
| 1983                          | 1,256                    | 731.22        | 229                             | 356.40        | 0                          | --            | 61                             | 1,627.05      |
| 1984                          | 3,260                    | 390.31        | 398                             | 1,903.16      | 0                          | --            | 218                            | 1,988.82      |
| 1985                          | 968                      | 1,038.10      | 438                             | 1,854.32      | 0                          | --            | 90                             | 1,699.82      |
| 1986                          | 2,633                    | 1,150.47      | 1,569                           | 777.64        | 0                          | --            | 32                             | 1,674.06      |
| 1987                          | 2,976                    | 952.26        | 843                             | 845.68        | 29                         | 716.69        | 262                            | 895.42        |
| 1988                          | 13,084                   | 566.19        | 1,832                           | 704.69        | 31                         | 903.23        | 1,367                          | 821.51        |
| 1989                          | 13,405                   | 947.71        | 3,339                           | 726.56        | 65                         | 261.54        | 2,217                          | 1,697.79      |
| 1990                          | 15,417                   | 1,107.35      | 2,064                           | 1,466.57      | 7                          | 1,285.71      | 2,867                          | 1,566.45      |
| 1991:                         |                          |               |                                 |               |                            |               |                                |               |
| 1st quarter                   | 5,929                    | 1,466.01      | 1,064                           | 1,224.62      | 0                          | --            | 852                            | 1,826.29      |
| 2d quarter                    | 5,017                    | 1,291.61      | 1,182                           | 1,580.37      | 0                          | --            | 440                            | 1,859.09      |
| 3d quarter                    | 992                      | 1,047.38      | 310                             | 945.16        | 0                          | --            | 245                            | 1,697.96      |
| 4th quarter                   | 2,177                    | 1,214.52      | 408                             | 752.45        | 0                          | --            | 492                            | 1,945.12      |
| 1991 total                    | 14,115                   | 1,335.81      | 2,963                           | 1,272.70      | 0                          | --            | 2,030                          | 1,845.32      |
| 1992:                         |                          |               |                                 |               |                            |               |                                |               |
| 1st quarter                   | 5,569                    | 1,362.90      | 240                             | 1,362.50      | 0                          | --            | 303                            | 2,339.93      |
| 2d quarter                    | 4,264                    | 1,425.89      | 179                             | 2,296.09      | 0                          | --            | 300                            | 2,376.67      |
| 3d quarter                    | 995                      | 1,002.01      | 39                              | 2,435.90      | 0                          | --            | 88                             | 2,368.36      |
| 4th quarter                   | 3,017                    | 1,294.33      | 194                             | 1,309.28      | 0                          | --            | 728                            | 2,479.40      |
| 1992 total                    | 13,844                   | 1,341.52      | 651                             | 1,668.20      | 0                          | --            | 1,418                          | 2,423.84      |
| TO PEOPLE'S REPUBLIC OF CHINA |                          |               |                                 |               |                            |               |                                |               |
| 1981                          | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 1982                          | 45                       | 1,000.00      | 0                               | --            | 0                          | --            | 0                              | --            |
| 1983                          | 0                        | --            | 100                             | 225.00        | 0                          | --            | 0                              | --            |
| 1984                          | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 1985                          | 0                        | --            | 59                              | 253.61        | 0                          | --            | 0                              | --            |
| 1986                          | 7                        | 2,271.43      | 0                               | --            | 0                          | --            | 0                              | --            |
| 1987                          | 0                        | --            | 1,000                           | 390.00        | 0                          | --            | 0                              | --            |
| 1988                          | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 1989                          | 6                        | 1,500.00      | 0                               | --            | 0                          | --            | 0                              | --            |
| 1990                          | 8                        | 1,375.00      | 0                               | --            | 0                          | --            | 0                              | --            |
| 1991:                         |                          |               |                                 |               |                            |               |                                |               |
| 1st quarter                   | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 2d quarter                    | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 3d quarter                    | 4                        | 2,000.00      | 0                               | --            | 0                          | --            | 0                              | --            |
| 4th quarter                   | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 1991 total                    | 4                        | 2,000.00      | 0                               | --            | 0                          | --            | 0                              | --            |
| 1992:                         |                          |               |                                 |               |                            |               |                                |               |
| 1st quarter                   | 145                      | 179.31        | 0                               | --            | 0                          | --            | 0                              | --            |
| 2d quarter                    | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 3d quarter                    | 368                      | 361.41        | 0                               | --            | 0                          | --            | 0                              | --            |
| 4th quarter                   | 99                       | 555.56        | 0                               | --            | 0                          | --            | 0                              | --            |
| 1992 total                    | 612                      | 351.31        | 0                               | --            | 0                          | --            | 0                              | --            |

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) including inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

**Table 37--Volume and average value of alder log exports from the Seattle Customs District, 1990-92**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Year and quarter | Destination   |               |        |               |             |               |        |               |
|------------------|---------------|---------------|--------|---------------|-------------|---------------|--------|---------------|
|                  | All countries |               | Japan  |               | South Korea |               | Taiwan |               |
|                  | Volume        | Average value | Volume | Average value | Volume      | Average value | Volume | Average value |
| 1990             | 6,347         | 411.22        | 2,202  | 550.86        | 2,689       | 315.36        | 1,382  | 340.09        |
| 1991:            |               |               |        |               |             |               |        |               |
| 1st quarter      | 2,601         | 339.48        | 573    | 726.00        | 1,966       | 211.09        | 62     | 822.58        |
| 2d quarter       | 2,210         | 437.56        | 817    | 532.44        | 1,186       | 313.66        | 158    | 518.99        |
| 3d quarter       | 545           | 579.82        | 264    | 912.88        | 0           | --            | 248    | 189.52        |
| 4th quarter      | 818           | 533.01        | 418    | 677.03        | 353         | 252.13        | 39     | 1,564.10      |
| 1991 total       | 6,174         | 421.45        | 2,072  | 663.61        | 3,505       | 249.93        | 507    | 477.32        |
| 1992:            |               |               |        |               |             |               |        |               |
| 1st quarter      | 1,381         | 405.50        | 330    | 330.30        | 885         | 470.06        | 24     | 708.33        |
| 2d quarter       | 632           | 481.01        | 247    | 587.05        | 99          | 333.33        | 286    | 440.56        |
| 3d quarter       | 418           | 406.70        | 22     | 545.46        | 0           | --            | 0      | --            |
| 4th quarter      | 806           | 616.63        | 224    | 459.82        | 361         | 421.05        | 47     | 1,723.40      |
| 1992 total       | 3,237         | 472.66        | 824    | 447.82        | 1,345       | 446.10        | 357    | 627.45        |

Source: U.S. Department of Commerce.

**Table 38--Volume and average value of log exports from southern California ports by species, 1981-92**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Year and quarter | Total  |               | Douglas-fir |               | Other softwoods |               | Hardwoods |               |
|------------------|--------|---------------|-------------|---------------|-----------------|---------------|-----------|---------------|
|                  | Volume | Average value | Volume      | Average value | Volume          | Average value | Volume    | Average value |
| 1981             | 738    | 1,550.14      | 88          | 397.73        | 186             | 392.47        | 464       | 2,232.76      |
| 1982             | 797    | 930.99        | 281         | 352.31        | 211             | 691.94        | 305       | 1,632.79      |
| 1983             | 674    | 424.33        | 0           | --            | 31              | 451.61        | 643       | 578.54        |
| 1984             | 2,618  | 364.02        | 4           | 500.00        | 624             | 285.26        | 1,990     | 388.44        |
| 1985             | 1,992  | 384.54        | 9           | 444.44        | 779             | 281.13        | 1,204     | 451.00        |
| 1986             | 5,772  | 402.81        | 75          | 213.33        | 2,151           | 265.92        | 3,546     | 489.85        |
| 1987             | 7,542  | 602.76        | 1,480       | 381.08        | 2,554           | 386.45        | 3,508     | 853.76        |
| 1988             | 14,442 | 675.05        | 781         | 432.78        | 3,907           | 317.64        | 9,754     | 837.50        |
| 1989             | 13,546 | 929.65        | 240         | 504.17        | 4,262           | 540.59        | 9,044     | 1,138.01      |
| 1990             | 13,434 | 1,230.83      | 36          | 444.44        | 4,322           | 576.35        | 9,076     | 1,545.61      |
| 1991:            |        |               |             |               |                 |               |           |               |
| 1st quarter      | 1,304  | 1,273.01      | 0           | --            | 673             | 604.69        | 631       | 1,984.65      |
| 2d quarter       | 2,213  | 1,149.12      | 10          | 503.52        | 757             | 697.49        | 1,446     | 1,390.04      |
| 3d quarter       | 2,065  | 1,064.89      | 17          | 647.06        | 398             | 841.71        | 1,650     | 1,129.70      |
| 4th quarter      | 2,102  | 1,137.01      | 177         | 531.07        | 1,007           | 688.18        | 918       | 1,757.08      |
| 1991 total       | 7,683  | 1,146.04      | 204         | 539.22        | 2,834           | 689.49        | 4,645     | 1,451.24      |
| 1992:            |        |               |             |               |                 |               |           |               |
| 1st quarter      | 2,768  | 1,483.74      | 11          | 545.46        | 829             | 811.82        | 1,928     | 1,778.01      |
| 2d quarter       | 2,783  | 1,253.32      | 3           | 906.00        | 766             | 845.95        | 2,014     | 1,408.64      |
| 3d quarter       | 2,612  | 930.32        | 12          | 750.00        | 1,658           | 497.59        | 942       | 1,684.71      |
| 4th quarter      | 1,712  | 1,589.37      | 56          | 482.14        | 556             | 600.72        | 1,100     | 2,145.46      |
| 1992 total       | 9,874  | 1,289.95      | 82          | 548.78        | 3,809           | 651.09        | 5,983     | 1,706.84      |

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter. Revisions that may have been made after this time are not shown. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

**Table 39—Volume and average value of softwood log exports to Canada from the Great Falls Customs District, 1981-92<sup>a</sup>**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Year and quarter             | All species |               | Douglas-fir |               | Other softwoods |               |
|------------------------------|-------------|---------------|-------------|---------------|-----------------|---------------|
|                              | Volume      | Average value | Volume      | Average value | Volume          | Average value |
| 1981                         | 477         | 362.68        | 123         | 475.06        | 354             | 323.64        |
| 1982                         | 418         | 285.81        | 16          | 203.81        | 402             | 289.07        |
| 1983                         | 625         | 262.78        | 0           | --            | 614             | 259.23        |
| 1984                         | 714         | 262.77        | 34          | 476.85        | 74              | 250.50        |
| 1985                         | 475         | 267.38        | 49          | 336.90        | 426             | 259.38        |
| 1986                         | 105         | 281.20        | 17          | 484.53        | 88              | 241.92        |
| 1987                         | 98          | 255.10        | 27          | 241.78        | 71              | 259.59        |
| 1988                         | 78          | 410.26        | 50          | 460.00        | 28              | 321.43        |
| 1989                         | 688         | 375.00        | 55          | 400.00        | 633             | 372.83        |
| 1990                         | 219         | 342.47        | 115         | 460.87        | 104             | 211.54        |
| 1991:                        |             |               |             |               |                 |               |
| 1st quarter                  | 19          | 411.82        | 0           | --            | 19              | 411.82        |
| 2d quarter                   | 23          | 304.35        | 0           | --            | 23              | 304.35        |
| 3d quarter                   | 464         | 237.07        | 407         | 235.87        | 57              | 245.61        |
| 4th quarter                  | 253         | 316.21        | 179         | 273.74        | 74              | 418.92        |
| 1991 total and average value | 759         | 270.09        | 586         | 247.44        | 173             | 346.82        |
| 1992:                        |             |               |             |               |                 |               |
| 1st quarter                  | 33          | 330.03        | 0           | --            | 33              | 330.03        |
| 2d quarter                   | 292         | 243.15        | 18          | 447.41        | 274             | 229.93        |
| 3d quarter                   | 269         | 200.74        | 0           | --            | 269             | 200.74        |
| 4th quarter                  | 499         | 252.51        | 335         | 214.93        | 164             | 329.27        |
| 1992 total and average value | 1,093       | 239.71        | 353         | 226.63        | 740             | 245.95        |

<sup>a</sup> Great Falls Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter.

**Table 40—Volume of log exports from British Columbia ports by species and destination, 1982-92**

(In thousand board feet, British Columbia log scale)

| Year                          | Total,<br>all species | Douglas-<br>fir | Hemlock | Cedar  | Spruce  | Other<br>softwoods | Hardwoods           |
|-------------------------------|-----------------------|-----------------|---------|--------|---------|--------------------|---------------------|
| TO ALL COUNTRIES              |                       |                 |         |        |         |                    |                     |
| 1982                          | 252,892               | 48,192          | 75,731  | 38,005 | 40,446  | 37,087             | 13,431              |
| 1983                          | 481,377               | 124,489         | 179,137 | 22,565 | 54,900  | 52,679             | 47,607              |
| 1984                          | <sup>a</sup> 705,487  | 132,718         | 382,809 | 41,112 | 80,871  | 54,293             | <sup>a</sup> 13,684 |
| 1985                          | 532,955               | 29,892          | 264,322 | 31,625 | 81,719  | 114,189            | 11,208              |
| 1986                          | 569,372               | 3,953           | 299,775 | 6,845  | 119,476 | 118,843            | 20,480              |
| 1987                          | 750,438               | 7,093           | 383,776 | 7,108  | 129,074 | 190,094            | 33,293              |
| 1988                          | 624,967               | 6,711           | 392,428 | 9,845  | 111,038 | 80,817             | 24,128              |
| 1989                          | 429,514               | 4,260           | 273,068 | 6,821  | 57,572  | 72,053             | 15,740              |
| 1990                          | 177,528               | 4,592           | 104,437 | 4,194  | 39,934  | 17,307             | 7,064               |
| 1991                          | 169,470               | 1,391           | 117,638 | 2,009  | 41,082  | 5,496              | 1,854               |
| 1992                          | 252,058               | 8,319           | 173,805 | 4,403  | 54,292  | 8,673              | 2,566               |
| TO JAPAN                      |                       |                 |         |        |         |                    |                     |
| 1982                          | 130,457               | 8,205           | 51,603  | 23,459 | 29,806  | 16,758             | 626                 |
| 1983                          | 241,211               | 55,266          | 103,641 | 20,320 | 39,997  | 21,716             | 271                 |
| 1984                          | <sup>a</sup> 406,680  | 88,349          | 174,230 | 29,619 | 69,434  | 39,208             | <sup>a</sup> 5,840  |
| 1985                          | 321,464               | 12,573          | 164,618 | 13,431 | 54,897  | 75,021             | 924                 |
| 1986                          | 398,124               | 475             | 216,119 | 3,741  | 96,488  | 79,779             | 1,522               |
| 1987                          | 553,785               | 6,135           | 291,356 | 6,283  | 105,503 | 140,699            | 3,809               |
| 1988                          | 419,249               | 2,649           | 287,439 | 4,923  | 82,759  | 34,150             | 7,329               |
| 1989                          | 257,020               | 1,987           | 185,541 | 5,320  | 49,360  | 11,523             | 3,289               |
| 1990                          | 157,616               | 2,053           | 99,205  | 3,775  | 38,896  | 13,046             | 640                 |
| 1991                          | 154,879               | 662             | 109,735 | 1,413  | 39,161  | 3,709              | 199                 |
| 1992                          | 203,518               | 5,996           | 142,566 | 2,920  | 50,509  | 664                | 863                 |
| TO UNITED STATES              |                       |                 |         |        |         |                    |                     |
| 1982                          | 63,900                | 1,524           | 23,241  | 10,705 | 5,695   | 20,044             | 2,691               |
| 1983                          | 112,505               | 11,310          | 59,440  | 961    | 11,777  | 25,649             | 3,368               |
| 1984                          | <sup>a</sup> 110,263  | 8,167           | 73,102  | 6,867  | 8,426   | 8,752              | <sup>a</sup> 4,979  |
| 1985                          | 95,515                | 1,004           | 30,073  | 12,961 | 23,988  | 25,124             | 2,365               |
| 1986                          | 55,765                | 255             | 27,750  | 1,852  | 8,759   | 15,153             | 1,996               |
| 1987                          | 51,065                | 0               | 24,216  | 758    | 7,663   | 15,937             | 2,491               |
| 1988                          | 154,658               | 3,289           | 52,031  | 4,702  | 20,684  | 70,464             | 3,488               |
| 1989                          | 121,744               | 1,854           | 60,927  | 1,347  | 7,263   | 49,978             | 375                 |
| 1990                          | 8,389                 | 2,517           | 1,258   | 177    | 706     | 3,687              | 44                  |
| 1991                          | 5,916                 | 508             | 1,921   | 331    | 971     | 1,656              | 530                 |
| 1992                          | 37,345                | 2,124           | 23,230  | 996    | 3,473   | 7,412              | 111                 |
| TO PEOPLE'S REPUBLIC OF CHINA |                       |                 |         |        |         |                    |                     |
| 1982                          | 46,689                | 38,463          | 0       | 0      | 3,787   | 0                  | 8,911               |
| 1983                          | 110,354               | 57,913          | 0       | 0      | 3,096   | 5,286              | 44,059              |
| 1984                          | <sup>a</sup> 171,705  | 35,869          | 122,460 | 0      | 3,001   | 6,333              | <sup>a</sup> 4,102  |
| 1985                          | 98,273                | 16,259          | 58,288  | 768    | 2,224   | 13,377             | 7,357               |
| 1986                          | 80,613                | 3,133           | 38,842  | 5      | 8,942   | 14,061             | 15,630              |
| 1987                          | 85,470                | 260             | 31,451  | 0      | 3,005   | 25,170             | 25,584              |
| 1988                          | 60,927                | 684             | 34,172  | 0      | 1,700   | 14,945             | 9,426               |
| 1989                          | 18,631                | 0               | 10,596  | 0      | 0       | 5,519              | 2,517               |
| 1990                          | 0                     | 0               | 0       | 0      | 0       | 0                  | 0                   |
| 1991                          | 0                     | 0               | 0       | 0      | 0       | 0                  | 0                   |
| 1992                          | 0                     | 0               | 0       | 0      | 0       | 0                  | 0                   |

<sup>a</sup> Does not include all hardwoods.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

**Table 41--Average value of log exports from British Columbia ports by species and destination, 1985-92**

(In dollars per thousand board feet, Canadian dollars)

| Year                          | Total,<br>all species | Douglas-<br>fir | Hemlock | Cedar    | Spruce | Other<br>softwoods | Hardwoods |
|-------------------------------|-----------------------|-----------------|---------|----------|--------|--------------------|-----------|
| TO ALL COUNTRIES              |                       |                 |         |          |        |                    |           |
| 1985                          | 296.64                | 335.08          | 272.25  | 367.51   | 333.84 | 307.88             | 183.65    |
| 1986                          | 315.94                | 272.45          | 293.29  | 350.34   | 383.37 | 323.05             | 209.84    |
| 1987                          | 411.43                | 402.14          | 394.49  | 1,154.26 | 473.53 | 412.21             | 204.85    |
| 1988                          | 504.35                | NA              | NA      | NA       | NA     | NA                 | 219.70    |
| 1989                          | 455.63                | NA              | NA      | NA       | NA     | NA                 | 338.67    |
| 1990                          | 671.44                | NA              | NA      | NA       | NA     | NA                 | NA        |
| 1991                          | 643.77                | NA              | NA      | NA       | NA     | NA                 | NA        |
| 1992                          | 710.15                | NA              | NA      | NA       | NA     | NA                 | NA        |
| TO JAPAN                      |                       |                 |         |          |        |                    |           |
| 1985                          | 330.47                | 400.65          | 290.43  | 346.46   | 409.90 | 346.30             | 274.18    |
| 1986                          | 357.35                | 406.42          | 326.85  | 434.02   | 407.33 | 376.84             | 294.77    |
| 1987                          | 472.72                | 433.40          | 441.43  | 1,168.66 | 521.12 | 476.05             | 317.68    |
| 1988                          | 531.90                | NA              | NA      | NA       | NA     | NA                 | 245.97    |
| 1989                          | 521.36                | NA              | NA      | NA       | NA     | NA                 | 382.16    |
| 1990                          | 555.78                | NA              | NA      | NA       | NA     | NA                 | NA        |
| 1991                          | 484.25                | NA              | NA      | NA       | NA     | NA                 | NA        |
| 1992                          | 612.23                | NA              | NA      | NA       | NA     | NA                 | NA        |
| TO UNITED STATES              |                       |                 |         |          |        |                    |           |
| 1985                          | 210.20                | 337.89          | 162.83  | 404.41   | 164.29 | 210.41             | 157.27    |
| 1986                          | 180.66                | 182.59          | 148.48  | 202.62   | 285.73 | 177.65             | 169.25    |
| 1987                          | 290.76                | --              | 286.10  | 1,046.32 | 366.34 | 250.65             | 130.17    |
| 1988                          | 404.76                | NA              | NA      | NA       | NA     | NA                 | 188.55    |
| 1989                          | 395.09                | NA              | NA      | NA       | NA     | NA                 | 164.34    |
| 1990                          | 3,230.42              | NA              | NA      | NA       | NA     | NA                 | NA        |
| 1991                          | 4,969.57              | NA              | NA      | NA       | NA     | NA                 | NA        |
| 1992                          | 1,293.35              | NA              | NA      | NA       | NA     | NA                 | NA        |
| TO PEOPLE'S REPUBLIC OF CHINA |                       |                 |         |          |        |                    |           |
| 1985                          | 269.84                | 284.39          | 275.99  | 377.60   | 278.19 | 277.21             | 161.75    |
| 1986                          | 247.97                | 252.36          | 251.35  | 252.20   | 285.44 | 272.81             | 194.88    |
| 1987                          | 233.56                | 234.50          | 267.08  | --       | 229.42 | 232.40             | 193.96    |
| 1988                          | NA                    | NA              | NA      | NA       | NA     | NA                 | 190.01    |
| 1989                          | NA                    | NA              | NA      | NA       | NA     | NA                 | 195.32    |
| 1990                          | --                    | --              | --      | --       | --     | --                 | --        |
| 1991                          | --                    | --              | --      | --       | --     | --                 | --        |
| 1992                          | --                    | --              | --      | --       | --     | --                 | --        |

NA = not available.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

**Table 42--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1981-92**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| Year and quarter             | Volume | Average value |
|------------------------------|--------|---------------|
| 1981                         | 33,985 | 319.77        |
| 1982                         | 59,492 | 313.27        |
| 1983                         | 76,674 | 225.58        |
| 1984                         | 65,067 | 135.12        |
| 1985                         | 48,654 | 275.97        |
| 1986                         | 27,864 | 155.47        |
| 1987                         | 52,188 | 244.51        |
| 1988                         | 40,522 | 300.31        |
| 1989                         | 5,797  | 470.59        |
| 1990                         | 8,142  | 323.38        |
| 1991:                        |        |               |
| 1st quarter                  | 261    | 904.22        |
| 2d quarter                   | 215    | 855.81        |
| 3d quarter                   | 1,397  | 550.47        |
| 4th quarter                  | 709    | 490.83        |
| 1991 total and average value | 2,581  | 595.51        |
| 1992:                        |        |               |
| 1st quarter                  | 2,733  | 394.39        |
| 2d quarter                   | 5,387  | 625.02        |
| 3d quarter                   | 7,512  | 741.75        |
| 4th quarter                  | 11,735 | 330.04        |
| 1992 total and average value | 27,368 | 507.49        |

Source: U.S. Department of Commerce. Value is declared value at port of entry. Data are compiled from Department of Commerce records at the end of each quarter.

**Table 43--Volume and average value of pulpwood imports from Canada into the Seattle Customs District, 1981-92**

| Year and quarter             | Chipped pulpwood        |               | Roundwood pulpwood |               |
|------------------------------|-------------------------|---------------|--------------------|---------------|
|                              | Volume                  | Average value | Volume             | Average value |
|                              | Short tons <sup>a</sup> | Dollars       | Cords <sup>b</sup> | Dollars       |
| 1981                         | 1,160,507               | 32.33         | 23,084             | 130.11        |
| 1982                         | 1,247,813               | 32.15         | 8,320              | 139.24        |
| 1983                         | 1,427,490               | 24.32         | 0                  | --            |
| 1984                         | 1,503,698               | 22.66         | 0                  | --            |
| 1985                         | 727,446                 | 27.48         | 0                  | --            |
| 1986                         | 701,586                 | 25.91         | 85                 | 124.73        |
| 1987                         | 465,858                 | 29.88         | 8,320              | 146.34        |
| 1988                         | 809,747                 | 40.12         | 20,899             | 133.88        |
| 1989                         | 753,239                 | 33.75         | 26,030             | 76.14         |
| 1990                         | 682,264                 | 30.18         | 0                  | --            |
| 1991:                        |                         |               |                    |               |
| 1st quarter                  | 138,396                 | 28.99         | 0                  | --            |
| 2d quarter                   | 188,140                 | 33.54         | 0                  | --            |
| 3d quarter                   | 163,486                 | 35.92         | 0                  | --            |
| 4th quarter                  | 140,776                 | 33.66         | 0                  | --            |
| 1991 total and average value | 630,798                 | 33.19         | 0                  | --            |
| 1992:                        |                         |               |                    |               |
| 1st quarter                  | 84,891                  | 31.88         | 0                  | --            |
| 2d quarter                   | 120,992                 | 30.01         | 0                  | --            |
| 3d quarter                   | 185,475                 | 29.02         | 0                  | --            |
| 4th quarter                  | 109,870                 | 35.89         | 0                  | --            |
| 1992 total and average value | 501,228                 | 31.25         | 0                  | --            |

<sup>a</sup> Dry-weight basis.

<sup>b</sup> Green-weight basis.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

**Table 44--Volume of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1981-92**

(Volume in thousand short tons)

| Year and quarter | Seattle Customs District |              | Columbia-Snake Customs District |              | Anchorage Customs District |              | San Francisco Customs District |              |
|------------------|--------------------------|--------------|---------------------------------|--------------|----------------------------|--------------|--------------------------------|--------------|
|                  | Dissolving grade         | Paper grades | Dissolving grade                | Paper grades | Dissolving grade           | Paper grades | Dissolving grade               | Paper grades |
| TO ALL COUNTRIES |                          |              |                                 |              |                            |              |                                |              |
| 1981             | 132.4                    | 339.7        | 24.7                            | 44.2         | 246.4                      | 39.8         | 8.6                            | 321.0        |
| 1982             | 118.5                    | 279.1        | 15.1                            | 40.3         | 199.1                      | 10.8         | 2.3                            | 312.0        |
| 1983             | 118.4                    | 350.4        | 19.5                            | 87.5         | 238.1                      | 4.5          | 8.1                            | 271.6        |
| 1984             | 107.2                    | 349.1        | 24.6                            | 97.0         | 177.4                      | 34.2         | 14.9                           | 315.9        |
| 1985             | 106.1                    | 358.4        | 15.6                            | 80.2         | 192.7                      | 6.9          | 14.9                           | 279.5        |
| 1986             | 152.7                    | 488.5        | 6.4                             | 79.6         | 220.7                      | 7.5          | 3.1                            | 349.6        |
| 1987             | 147.6                    | 460.2        | 10.8                            | 94.1         | 253.1                      | 26.7         | 2.7                            | 324.6        |
| 1988             | 199.1                    | 508.8        | 14.6                            | 100.5        | 275.4                      | 30.6         | 1.4                            | 366.0        |
| 1989             | 166.4                    | 635.8        | 1.4                             | 136.0        | 280.7                      | 22.0         | 9                              | 372.7        |
| 1990             | 136.9                    | 409.9        | .3                              | 131.8        | 274.7                      | 43.8         | .4                             | 356.4        |
| 1991:            |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter      | 28.3                     | 91.6         | 0.0                             | 45.0         | 70.5                       | 8.4          | 2.9                            | 95.4         |
| 2d quarter       | 29.3                     | 125.1        | 1.2                             | 39.1         | 73.2                       | 2.3          | 3.2                            | 98.7         |
| 3d quarter       | 37.3                     | 100.2        | .6                              | 45.2         | 62.1                       | 4.2          | 2.1                            | 90.4         |
| 4th quarter      | 25.7                     | 108.0        | 2.5                             | 44.3         | 70.6                       | 2.2          | 2.0                            | 69.4         |
| 1991 total       | 120.6                    | 424.9        | 4.3                             | 174.5        | 276.3                      | 17.1         | 10.2                           | 353.9        |
| 1992:            |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter      | 35.9                     | 92.8         | 1.8                             | 39.3         | 80.2                       | 2.8          | .6                             | 86.2         |
| 2d quarter       | 28.8                     | 95.8         | 2.3                             | 47.1         | 89.8                       | 7.6          | .7                             | 86.7         |
| 3d quarter       | 27.0                     | 74.1         | 8.3                             | 46.2         | 71.9                       | 4.7          | 1                              | 91.5         |
| 4th quarter      | 25.1                     | 66.1         | 5.3                             | 41.3         | 44.8                       | 5.3          | 1                              | 99.8         |
| 1992 total       | 116.8                    | 328.7        | 17.8                            | 174.0        | 286.7                      | 20.5         | 1.4                            | 364.2        |
| TO JAPAN         |                          |              |                                 |              |                            |              |                                |              |
| 1981             | 41.5                     | 41.0         | 12.6                            | 5.5          | 153.5                      | 1.3          | 7.6                            | 90.2         |
| 1982             | 41.0                     | 59.4         | 13.7                            | 7.3          | 103.9                      | 1.3          | 2.3                            | 116.6        |
| 1983             | 31.3                     | 73.8         | 19.0                            | 29.2         | 130.1                      | .5           | 6.6                            | 136.6        |
| 1984             | 34.8                     | 54.6         | 21.3                            | 44.8         | 88.8                       | 20.3         | 13.7                           | 151.9        |
| 1985             | 25.5                     | 42.8         | 15.5                            | 44.4         | 87.1                       | 4.7          | 13.8                           | 131.9        |
| 1986             | 48.5                     | 113.1        | 6.3                             | 35.5         | 98.8                       | 7.5          | 1.6                            | 144.4        |
| 1987             | 48.1                     | 60.2         | 10.8                            | 35.0         | 105.1                      | 8.9          | 2.2                            | 124.0        |
| 1988             | 54.5                     | 71.9         | 14.8                            | 44.5         | 119.7                      | 15.6         | 1.1                            | 169.0        |
| 1989             | 45.1                     | 113.4        | 0.0                             | 59.1         | 111.2                      | 9.6          | 1                              | 173.9        |
| 1990             | 49.0                     | 77.5         | .1                              | 58.4         | 92.5                       | 18.6         | 4                              | 154.2        |
| 1991:            |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter      | 11.5                     | 21.8         | 0.0                             | 16.4         | 27.6                       | 2.0          | 2.9                            | 35.5         |
| 2d quarter       | 10.3                     | 30.1         | .5                              | 16.6         | 26.5                       | 2.1          | 2.7                            | 43.1         |
| 3d quarter       | 14.4                     | 27.2         | 0.0                             | 9.7          | 21.3                       | 2.0          | 2.1                            | 28.6         |
| 4th quarter      | 10.5                     | 24.5         | 0.0                             | 12.8         | 24.6                       | 2.2          | 1.2                            | 37.0         |
| 1991 total       | 46.7                     | 103.6        | .5                              | 55.4         | 100.1                      | 8.3          | 8.9                            | 144.2        |
| 1992:            |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter      | 13.2                     | 19.3         | 0.0                             | 17.3         | 27.1                       | 2.8          | .6                             | 45.0         |
| 2d quarter       | 9.9                      | 14.2         | 0.0                             | 11.7         | 25.8                       | 2.7          | 4                              | 35.5         |
| 3d quarter       | 9.8                      | 12.6         | 4.2                             | 21.4         | 20.8                       | 2.8          | 0.0                            | 36.9         |
| 4th quarter      | 11.2                     | 10.0         | 3.7                             | 29.2         | 17.8                       | 2.1          | 0.0                            | 53.0         |
| 1992 total       | 44.1                     | 56.1         | 7.9                             | 79.5         | 91.4                       | 10.5         | 1.1                            | 170.4        |

**Table 44--Volume of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1981-92 (continued)**

(Volume in thousand short tons)

| Year and quarter  | Seattle Customs District |              | Columbia-Snake Customs District |              | Anchorage Customs District |              | San Francisco Customs District |              |
|-------------------|--------------------------|--------------|---------------------------------|--------------|----------------------------|--------------|--------------------------------|--------------|
|                   | Dissolving grade         | Paper grades | Dissolving grade                | Paper grades | Dissolving grade           | Paper grades | Dissolving grade               | Paper grades |
| TO SOUTH KOREA    |                          |              |                                 |              |                            |              |                                |              |
| 1981              | 8.9                      | 43.8         | 0.0                             | 0.0          | 13.5                       | .4           | 0.0                            | 39.1         |
| 1982              | 11.3                     | 31.5         | 0.0                             | .1           | .4                         | 0.0          | 0.0                            | 27.6         |
| 1983              | 17.9                     | 42.2         | 0.0                             | 1.2          | 2.6                        | 0.0          | .7                             | 21.6         |
| 1984              | 4.8                      | 49.2         | 0.0                             | 3.6          | .2                         | 0.0          | .4                             | 26.3         |
| 1985              | 8.8                      | 65.5         | 0.0                             | .5           | .4                         | 0.0          | 0.0                            | 45.5         |
| 1986              | 14.5                     | 100.9        | 0.0                             | 0.0          | 6.1                        | 0.0          | 0.0                            | 45.3         |
| 1987              | 19.4                     | 91.6         | 0.0                             | 2.7          | 0.0                        | 2.5          | 0.0                            | 36.2         |
| 1988              | 22.2                     | 112.6        | 0.0                             | .3           | 0.0                        | 6.8          | 0.0                            | 44.9         |
| 1989              | 17.8                     | 143.0        | 0.0                             | 3.1          | 0.0                        | 9.4          | 0.0                            | 58.3         |
| 1990              | 9.0                      | 110.0        | 0.0                             | 15.8         | 0.0                        | 13.2         | 0.0                            | 72.9         |
| 1991:             |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter       | .1                       | 27.9         | 0.0                             | 6.7          | 0.0                        | 1.9          | 0.0                            | 21.4         |
| 2d quarter        | 1.6                      | 34.3         | 0.0                             | 4.0          | 0.0                        | .2           | 0.0                            | 17.8         |
| 3d quarter        | 1.3                      | 27.7         | 0.0                             | 3.9          | 0.0                        | 2.1          | 0.0                            | 14.4         |
| 4th quarter       | .2                       | 32.2         | 0.0                             | 1.5          | 0.0                        | 0.0          | 0.0                            | 7.8          |
| 1991 total        | 3.3                      | 122.1        | 0.0                             | 16.1         | 0.0                        | 4.2          | 0.0                            | 61.4         |
| 1992:             |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter       | .3                       | 29.8         | 0.0                             | 1.0          | 0.0                        | 0.0          | 0.0                            | 25.8         |
| 2d quarter        | .2                       | 33.5         | 0.0                             | 1.4          | 0.0                        | 0.0          | 0.0                            | 19.4         |
| 3d quarter        | .4                       | 28.7         | 0.0                             | .1           | 0.0                        | 0.0          | 0.0                            | 25.3         |
| 4th quarter       | .1                       | 26.0         | 0.0                             | 0.0          | 0.0                        | 0.0          | 0.0                            | 21.5         |
| 1992 total        | 1.1                      | 118.0        | 0.0                             | 2.5          | 0.0                        | 0.0          | 0.0                            | 92.1         |
| TO WESTERN EUROPE |                          |              |                                 |              |                            |              |                                |              |
| 1981              | 48.4                     | 94.4         | 12.0                            | 18.8         | 2.3                        | 12.7         | .5                             | 128.5        |
| 1982              | 41.5                     | 74.0         | 0.0                             | 28.8         | 9.2                        | 6.7          | 0.0                            | 116.9        |
| 1983              | 42.5                     | 94.3         | 0.0                             | 46.6         | 6.8                        | 4.1          | 0.0                            | 84.7         |
| 1984              | 55.9                     | 85.8         | 3.2                             | 39.5         | 2.2                        | 6.3          | 0.0                            | 115.3        |
| 1985              | 51.0                     | 69.7         | 0.0                             | 30.0         | 8.1                        | 2.2          | 0.0                            | 60.5         |
| 1986              | 67.8                     | 61.0         | 0.0                             | 34.4         | 8.8                        | 0.0          | 0.0                            | 84.1         |
| 1987              | 62.3                     | 69.4         | 0.0                             | 45.1         | 7.9                        | 0.0          | 0.0                            | 69.0         |
| 1988              | 88.6                     | 54.0         | 0.0                             | 45.4         | 10.2                       | 0.0          | 0.0                            | 88.8         |
| 1989              | 63.1                     | 86.9         | 1.4                             | 70.0         | 10.6                       | .9           | .1                             | 81.1         |
| 1990              | 52.9                     | 54.8         | .2                              | 44.0         | 10.2                       | 1.3          | .1                             | 90.8         |
| 1991:             |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter       | 11.9                     | 13.9         | 0.0                             | 20.2         | 1.2                        | 0.0          | 0.0                            | 18.1         |
| 2d quarter        | 12.8                     | 16.7         | .1                              | 13.8         | 2.9                        | 0.0          | .5                             | 27.2         |
| 3d quarter        | 12.1                     | 10.9         | 0.0                             | 27.9         | 4.1                        | 0.0          | 0.0                            | 29.3         |
| 4th quarter       | 11.2                     | 19.6         | 2.5                             | 18.5         | 3.5                        | 0.0          | 0.0                            | 14.2         |
| 1991 total        | 48.1                     | 61.1         | 2.6                             | 80.5         | 11.7                       | 0.0          | .5                             | 88.8         |
| 1992:             |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter       | 13.4                     | 11.9         | 1.8                             | 15.4         | 14.1                       | 0.0          | 0.0                            | 11.8         |
| 2d quarter        | 13.4                     | 11.5         | 1.5                             | 13.8         | 13.5                       | 4.9          | 0.0                            | 14.3         |
| 3d quarter        | 11.4                     | 5.9          | 1.2                             | 12.0         | 6.6                        | 0.0          | 0.0                            | 17.7         |
| 4th quarter       | 9.8                      | 6.7          | 0.0                             | 8.1          | 8.4                        | 0.0          | 0.0                            | 19.3         |
| 1992 total        | 48.0                     | 36.1         | 4.4                             | 49.4         | 42.6                       | 4.9          | 0.0                            | 63.2         |

Note: Columns may not add to totals because of rounding.

Source: U.S. Department of Commerce.

**Table 45--Average value of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1981-92**

(Value in dollars per short tons)

This file was created by scanning the printed publication.  
Text errors identified by the software have been corrected;  
however, some errors may remain.

| Year and quarter | Seattle Customs District |              | Columbia-Snake Customs District |              | Anchorage Customs District |              | San Francisco Customs District |              |
|------------------|--------------------------|--------------|---------------------------------|--------------|----------------------------|--------------|--------------------------------|--------------|
|                  | Dissolving grade         | Paper grades | Dissolving grade                | Paper grades | Dissolving grade           | Paper grades | Dissolving grade               | Paper grades |
| TO ALL COUNTRIES |                          |              |                                 |              |                            |              |                                |              |
| 1981             | 540.61                   | 408.09       | 510.06                          | 471.85       | 506.96                     | 391.22       | 518.67                         | 451.99       |
| 1982             | 548.01                   | 382.55       | 438.25                          | 413.82       | 477.39                     | 315.82       | 510.94                         | 376.86       |
| 1983             | 473.02                   | 328.64       | 431.28                          | 347.78       | 481.88                     | 282.69       | 527.93                         | 337.97       |
| 1984             | 523.76                   | 372.82       | 429.65                          | 389.67       | 447.84                     | 416.11       | 532.27                         | 409.97       |
| 1985             | 458.97                   | 312.27       | 428.87                          | 291.35       | 377.76                     | 344.96       | 538.89                         | 336.08       |
| 1986             | 466.77                   | 301.67       | 459.90                          | 329.90       | 392.53                     | 359.42       | 328.19                         | 378.18       |
| 1987             | 525.85                   | 409.04       | 529.85                          | 434.83       | 469.22                     | 461.69       | 456.14                         | 503.33       |
| 1988             | 551.84                   | 459.21       | 640.72                          | 522.56       | 605.36                     | 516.46       | 574.69                         | 603.67       |
| 1989             | 606.47                   | 480.30       | 485.10                          | 597.16       | 732.16                     | 631.30       | 501.55                         | 681.14       |
| 1990             | 691.59                   | 503.66       | 797.78                          | 573.57       | 624.88                     | 458.11       | 785.00                         | 581.64       |
| 1991:            |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter      | 719.58                   | 457.16       | --                              | 535.08       | 557.70                     | 412.98       | 795.52                         | 491.72       |
| 2d quarter       | 726.36                   | 447.56       | 663.33                          | 495.93       | 570.98                     | 463.08       | 762.32                         | 480.49       |
| 3d quarter       | 736.35                   | 424.40       | 346.67                          | 400.04       | 561.03                     | 370.24       | 741.91                         | 416.84       |
| 4th quarter      | 773.27                   | 373.86       | 681.20                          | 367.27       | 538.24                     | 422.73       | 776.50                         | 360.13       |
| 1991 average     | 737.85                   | 425.42       | 629.54                          | 448.73       | 557.12                     | 410.41       | 766.86                         | 443.70       |
| 1992:            |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter      | 646.53                   | 405.42       | 719.96                          | 374.70       | 527.46                     | 418.06       | 735.61                         | 409.49       |
| 2d quarter       | 655.00                   | 396.00       | 451.97                          | 345.29       | 535.25                     | 382.78       | 504.51                         | 415.66       |
| 3d quarter       | 655.22                   | 408.49       | 533.12                          | 401.97       | 549.05                     | 438.35       | 774.19                         | 452.83       |
| 4th quarter      | 668.00                   | 408.75       | 675.56                          | 475.93       | 555.84                     | 469.05       | 101.27                         | 400.05       |
| 1992 average     | 655.23                   | 404.04       | 584.13                          | 397.98       | 539.74                     | 422.99       | 592.67                         | 419.26       |
| TO JAPAN         |                          |              |                                 |              |                            |              |                                |              |
| 1981             | 567.90                   | 451.60       | 460.64                          | 444.85       | 518.36                     | 387.53       | 516.21                         | 462.04       |
| 1982             | 616.97                   | 409.90       | 443.03                          | 428.79       | 537.68                     | 350.38       | 510.94                         | 393.73       |
| 1983             | 569.44                   | 365.81       | 429.94                          | 338.21       | 512.49                     | 302.63       | 510.67                         | 353.11       |
| 1984             | 597.40                   | 396.02       | 472.98                          | 376.02       | 495.80                     | 439.93       | 539.79                         | 414.52       |
| 1985             | 537.86                   | 378.67       | 429.32                          | 271.28       | 413.59                     | 313.46       | 552.99                         | 361.19       |
| 1986             | 463.07                   | 307.62       | 460.45                          | 322.92       | 416.24                     | 359.42       | 328.43                         | 395.21       |
| 1987             | 534.00                   | 474.94       | 529.85                          | 441.44       | 480.87                     | 467.52       | 469.04                         | 505.16       |
| 1988             | 595.19                   | 561.95       | 640.80                          | 521.46       | 590.48                     | 462.40       | 590.07                         | 607.50       |
| 1989             | 638.65                   | 517.82       | --                              | 662.67       | 741.49                     | 665.72       | 766.28                         | 702.32       |
| 1990             | 763.51                   | 591.60       | 960.00                          | 537.55       | 671.57                     | 490.81       | 801.62                         | 598.37       |
| 1991:            |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter      | 768.43                   | 524.40       | --                              | 501.16       | 649.06                     | 494.50       | 795.52                         | 519.58       |
| 2d quarter       | 783.08                   | 505.62       | 859.49                          | 476.04       | 617.44                     | 461.13       | 772.39                         | 491.64       |
| 3d quarter       | 774.79                   | 475.70       | --                              | 415.88       | 600.99                     | 464.50       | 741.91                         | 414.62       |
| 4th quarter      | 823.62                   | 420.45       | --                              | 351.33       | 585.81                     | 422.73       | 707.50                         | 372.19       |
| 1991 average     | 786.10                   | 481.83       | 859.49                          | 444.95       | 614.33                     | 459.76       | 761.80                         | 452.87       |
| 1992:            |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter      | 720.84                   | 440.21       | --                              | 345.80       | 577.97                     | 418.06       | 735.61                         | 400.28       |
| 2d quarter       | 726.58                   | 455.95       | --                              | 331.22       | 567.63                     | 438.33       | 726.64                         | 420.50       |
| 3d quarter       | 721.68                   | 428.89       | 571.97                          | 415.35       | 614.01                     | 473.07       | --                             | 453.07       |
| 4th quarter      | 763.88                   | 526.56       | 692.70                          | 484.30       | 611.67                     | 450.16       | --                             | 406.51       |
| 1992 average     | 733.27                   | 457.02       | 628.99                          | 413.12       | 589.78                     | 444.60       | 732.71                         | 417.85       |

**Table 45--Average value of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1981-92 (continued)**

(Value in dollars per short tons)

| Year and quarter  | Seattle Customs District |              | Columbia-Snake Customs District |              | Anchorage Customs District |              | San Francisco Customs District |              |
|-------------------|--------------------------|--------------|---------------------------------|--------------|----------------------------|--------------|--------------------------------|--------------|
|                   | Dissolving grade         | Paper grades | Dissolving grade                | Paper grades | Dissolving grade           | Paper grades | Dissolving grade               | Paper grades |
| TO SOUTH KOREA    |                          |              |                                 |              |                            |              |                                |              |
| 1981              | 499.15                   | 349.54       | --                              | --           | 509.07                     | 385.42       | 619.05                         | 426.02       |
| 1982              | 435.53                   | 328.31       | 325.58                          | 231.48       | 545.45                     | --           | --                             | 356.89       |
| 1983              | 401.13                   | 303.74       | --                              | 311.49       | 556.73                     | --           | 596.97                         | 344.53       |
| 1984              | 346.42                   | 348.50       | --                              | 376.97       | 506.33                     | --           | 471.03                         | 419.82       |
| 1985              | 376.24                   | 262.04       | --                              | 302.17       | 429.71                     | --           | 428.57                         | 285.56       |
| 1986              | 425.65                   | 299.79       | --                              | --           | 341.70                     | --           | --                             | 385.67       |
| 1987              | 491.95                   | 436.80       | --                              | 367.08       | --                         | 462.12       | --                             | 502.21       |
| 1988              | 588.99                   | 471.83       | --                              | 555.22       | --                         | 558.07       | 380.95                         | 622.67       |
| 1989              | 674.04                   | 442.78       | --                              | 591.87       | --                         | 611.10       | --                             | 649.82       |
| 1990              | 718.22                   | 426.73       | --                              | 474.81       | --                         | 444.77       | --                             | 534.47       |
| 1991:             |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter       | 560.00                   | 367.92       | --                              | 398.51       | --                         | 394.21       | --                             | 459.49       |
| 2d quarter        | 668.31                   | 371.06       | --                              | 384.09       | --                         | 483.63       | --                             | 448.81       |
| 3d quarter        | 626.15                   | 322.31       | --                              | 353.85       | --                         | 298.10       | --                             | 381.25       |
| 4th quarter       | 620.00                   | 299.63       | --                              | 330.00       | --                         | --           | --                             | 362.69       |
| 1991 average      | 641.21                   | 340.32       | --                              | 376.65       | --                         | 350.00       | --                             | 425.72       |
| 1992:             |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter       | 500.00                   | 341.24       | --                              | 395.28       | --                         | --           | --                             | 406.35       |
| 2d quarter        | 589.74                   | 331.86       | --                              | 411.38       | --                         | --           | --                             | 433.54       |
| 3d quarter        | 651.97                   | 354.56       | --                              | 421.88       | --                         | --           | --                             | 440.26       |
| 4th quarter       | 603.45                   | 344.42       | --                              | --           | --                         | --           | --                             | 378.58       |
| 1992 average      | 584.94                   | 342.51       | --                              | 405.45       | --                         | --           | --                             | 414.92       |
| TO WESTERN EUROPE |                          |              |                                 |              |                            |              |                                |              |
| 1981              | 566.14                   | 433.88       | 562.48                          | 431.17       | 500.43                     | 356.70       | 452.43                         | 453.91       |
| 1982              | 558.53                   | 414.85       | --                              | 412.11       | 447.00                     | 326.42       | --                             | 383.99       |
| 1983              | 477.64                   | 352.34       | --                              | 354.56       | 380.60                     | 280.47       | --                             | 328.76       |
| 1984              | 502.26                   | 392.02       | 139.30                          | 384.23       | 405.44                     | 377.19       | --                             | 403.50       |
| 1985              | 468.72                   | 338.36       | --                              | 314.13       | 373.00                     | 411.13       | --                             | 348.08       |
| 1986              | 498.99                   | 393.35       | --                              | 359.73       | 393.52                     | --           | --                             | 369.95       |
| 1987              | 526.01                   | 448.10       | --                              | 436.02       | 470.74                     | --           | --                             | 517.13       |
| 1988              | 505.93                   | 528.66       | 590.91                          | 547.15       | 567.33                     | --           | --                             | 589.47       |
| 1989              | 517.24                   | 618.08       | 479.44                          | 549.09       | 729.24                     | 359.46       | 773.56                         | 715.89       |
| 1990              | 626.75                   | 614.01       | 808.00                          | 639.75       | 671.18                     | 246.92       | 453.72                         | 627.00       |
| 1991:             |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter       | 683.45                   | 485.90       | --                              | 597.97       | 623.33                     | --           | --                             | 528.95       |
| 2d quarter        | 676.42                   | 483.39       | 769.76                          | 524.60       | 568.44                     | --           | 705.91                         | 510.03       |
| 3d quarter        | 736.61                   | 468.99       | --                              | 395.48       | 549.76                     | --           | --                             | 437.71       |
| 4th quarter       | 746.07                   | 390.82       | 659.60                          | 377.24       | 559.71                     | --           | --                             | 345.35       |
| 1991 average      | 708.69                   | 451.95       | 677.69                          | 463.98       | 564.27                     | --           | 705.91                         | 463.42       |
| 1992:             |                          |              |                                 |              |                            |              |                                |              |
| 1st quarter       | 604.75                   | 432.93       | 719.96                          | 417.92       | 545.08                     | --           | --                             | 454.87       |
| 2d quarter        | 674.01                   | 457.51       | 452.23                          | 429.38       | 561.91                     | 351.65       | --                             | 449.21       |
| 3d quarter        | 628.72                   | 438.20       | 674.72                          | 429.60       | 570.05                     | --           | --                             | 489.09       |
| 4th quarter       | 580.39                   | 456.49       | --                              | 425.86       | 522.72                     | --           | --                             | 452.19       |
| 1992 average      | 624.81                   | 446.01       | 619.92                          | 425.42       | 549.95                     | 351.65       | --                             | 462.36       |

Source: U.S. Department of Commerce.

**Table 46--Volume and average value of chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1981-92**

(In short tons, on a dry-weight basis; value in dollars per short ton)

| Year and quarter       | Seattle Customs District |               | Columbia-Snake Customs District |               | San Francisco Customs District |               | Anchorage Customs District |               |
|------------------------|--------------------------|---------------|---------------------------------|---------------|--------------------------------|---------------|----------------------------|---------------|
|                        | Volume                   | Average value | Volume                          | Average value | Volume                         | Average value | Volume                     | Average value |
| 1981                   | 296,461                  | 80.74         | 2,076,612                       | 85.51         | 321,533                        | 89.89         | 77,649                     | 73.61         |
| 1982                   | 328,374                  | 79.27         | 1,914,439                       | 83.31         | 196,292                        | 83.36         | 74,164                     | 68.98         |
| 1983                   | 247,935                  | 74.24         | 1,668,971                       | 68.17         | 350,587                        | 66.82         | 6,645                      | 34.67         |
| 1984                   | 216,089                  | 76.89         | 1,632,815                       | 70.96         | 331,257                        | 71.41         | 16,525                     | 46.51         |
| 1985                   | 276,054                  | 76.16         | 1,626,490                       | 74.22         | 302,147                        | 71.31         | 0                          | --            |
| 1986                   | 446,226                  | 73.97         | 1,577,739                       | 72.02         | 256,981                        | 71.77         | 0                          | --            |
| 1987                   | 464,426                  | 79.06         | 1,852,920                       | 72.75         | 208,247                        | 75.49         | 252                        | 45.52         |
| 1988                   | 681,811                  | 89.24         | 2,015,988                       | 78.06         | 282,497                        | 82.43         | 11,505                     | 48.67         |
| 1989                   | 800,563                  | 85.20         | 2,252,282                       | 96.73         | 339,158                        | 87.28         | 85,866                     | 42.16         |
| 1990                   | 744,397                  | 95.51         | 2,081,199                       | 95.84         | 412,625                        | 98.42         | 28,283                     | 75.38         |
| 1991:                  |                          |               |                                 |               |                                |               |                            |               |
| 1st quarter            | 225,541                  | 98.41         | 498,680                         | 101.39        | 106,740                        | 98.73         | 61,692                     | 60.46         |
| 2d quarter             | 120,991                  | 103.30        | 550,492                         | 103.02        | 116,751                        | 102.25        | 13,214                     | 111.02        |
| 3d quarter             | 154,151                  | 106.01        | 585,496                         | 107.71        | 100,506                        | 103.71        | 13,561                     | 100.95        |
| 4th quarter            | 180,368                  | 106.38        | 507,047                         | 106.47        | 138,760                        | 100.48        | 12,900                     | 104.11        |
| 1991 total and average | 681,161                  | 103.10        | 2,141,958                       | 104.73        | 462,808                        | 101.21        | 101,397                    | 78.01         |
| 1992:                  |                          |               |                                 |               |                                |               |                            |               |
| 1st quarter            | 142,730                  | 101.32        | 459,378                         | 104.92        | 71,539                         | 105.03        | 0                          | --            |
| 2d quarter             | 151,791                  | 101.68        | 463,320                         | 106.64        | 68,337                         | 102.01        | 0                          | --            |
| 3d quarter             | 164,030                  | 96.23         | 434,875                         | 108.26        | 93,677                         | 97.66         | 8,589                      | 23.64         |
| 4th quarter            | 124,591                  | 107.39        | 408,928                         | 107.71        | 124,178                        | 95.48         | 6,921                      | 19.36         |
| 1992 total and average | 583,141                  | 101.28        | 1,766,502                       | 106.84        | 357,731                        | 99.21         | 15,509                     | 21.73         |

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port of exportation. Seattle Customs District includes all ports in the State of Washington, except Longview and Vancouver. Columbia-Snake Customs District includes all Oregon ports and Longview and Vancouver, Washington. San Francisco Customs District includes all coastal and inland ports in the State of California from Monterey north. The Anchorage Customs District is the State of Alaska.

**Table 47--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92<sup>a</sup>**

(In thousand board feet)

| Year and quarter | From both customs districts |             |                 |                  | From Seattle Customs District |             |                 |                  | From Columbia-Snake Customs District |             |                 |                  |
|------------------|-----------------------------|-------------|-----------------|------------------|-------------------------------|-------------|-----------------|------------------|--------------------------------------|-------------|-----------------|------------------|
|                  | Total                       | Douglas-fir | Western hemlock | Other soft-woods | Total                         | Douglas-fir | Western hemlock | Other soft-woods | Total                                | Douglas-fir | Western hemlock | Other soft-woods |
| TO ALL COUNTRIES |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981             | 933,739                     | 451,075     | 268,024         | 214,640          | 467,886                       | 139,070     | 173,000         | 155,816          | 465,853                              | 312,005     | 95,024          | 58,824           |
| 1982             | 888,401                     | 419,263     | 306,901         | 162,237          | 472,956                       | 117,049     | 237,174         | 118,733          | 415,445                              | 302,214     | 69,727          | 43,504           |
| 1983             | 1,022,055                   | 512,979     | 295,409         | 213,667          | 552,677                       | 152,294     | 223,292         | 177,091          | 469,378                              | 360,685     | 72,117          | 36,576           |
| 1984             | 949,509                     | 496,419     | 257,628         | 195,462          | 423,477                       | 121,404     | 161,660         | 140,413          | 526,032                              | 375,015     | 95,968          | 55,049           |
| 1985             | 905,936                     | 426,536     | 302,144         | 177,256          | 424,322                       | 105,742     | 184,465         | 134,115          | 481,614                              | 320,794     | 117,679         | 43,141           |
| 1986             | 1,151,529                   | 464,348     | 452,610         | 234,571          | 747,311                       | 193,338     | 355,464         | 198,509          | 404,218                              | 271,010     | 97,146          | 36,062           |
| 1987             | 1,452,869                   | 595,489     | 567,078         | 290,302          | 918,120                       | 234,268     | 458,223         | 225,629          | 534,749                              | 361,221     | 108,855         | 64,673           |
| 1988             | 1,817,153                   | 792,668     | 588,075         | 436,410          | 1,046,560                     | 329,752     | 425,728         | 291,080          | 770,593                              | 462,916     | 162,347         | 145,330          |
| 1989             | 1,944,049                   | 946,438     | 536,438         | 461,071          | 1,002,337                     | 348,094     | 366,319         | 287,923          | 941,712                              | 598,447     | 170,119         | 173,148          |
| 1990             | 1,579,283                   | 742,779     | 402,129         | 434,375          | 886,188                       | 300,135     | 292,547         | 293,507          | 693,095                              | 442,644     | 109,582         | 140,868          |
| 1991:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 406,958                     | 201,356     | 109,054         | 96,548           | 201,615                       | 69,139      | 67,823          | 64,653           | 205,343                              | 132,217     | 41,231          | 31,895           |
| 2d qtr.          | 384,789                     | 197,740     | 100,256         | 86,793           | 215,645                       | 78,336      | 68,231          | 69,078           | 169,144                              | 119,404     | 32,025          | 17,715           |
| 3d qtr.          | 311,620                     | 158,071     | 87,209          | 66,340           | 175,784                       | 61,783      | 66,992          | 47,009           | 135,836                              | 96,288      | 20,217          | 19,331           |
| 4th qtr.         | 326,727                     | 168,454     | 74,380          | 83,893           | 167,607                       | 61,743      | 50,724          | 55,140           | 159,120                              | 106,711     | 23,656          | 28,753           |
| 1991 total       | 1,430,094                   | 725,621     | 370,899         | 333,574          | 760,651                       | 271,001     | 253,770         | 235,880          | 669,443                              | 454,620     | 117,129         | 97,694           |
| 1992:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 294,180                     | 148,374     | 80,740          | 65,066           | 172,214                       | 67,247      | 56,215          | 48,752           | 121,966                              | 81,127      | 24,525          | 16,314           |
| 2d qtr.          | 275,350                     | 162,455     | 59,568          | 53,327           | 137,718                       | 58,999      | 43,483          | 35,236           | 137,632                              | 103,456     | 16,085          | 18,091           |
| 3d qtr.          | 300,750                     | 177,807     | 68,257          | 54,686           | 152,453                       | 59,410      | 52,604          | 40,439           | 148,297                              | 118,397     | 15,653          | 14,247           |
| 4th qtr.         | 307,128                     | 168,597     | 73,017          | 65,514           | 154,700                       | 58,808      | 57,144          | 38,748           | 152,428                              | 109,789     | 15,873          | 26,766           |
| 1992 total       | 1,177,408                   | 657,232     | 281,582         | 238,594          | 617,086                       | 244,463     | 209,446         | 163,177          | 560,322                              | 412,769     | 72,136          | 75,417           |
| TO JAPAN         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981             | 312,232                     | 55,479      | 206,837         | 49,916           | 189,547                       | 25,966      | 128,307         | 35,274           | 122,685                              | 29,513      | 78,530          | 14,642           |
| 1982             | 414,221                     | 94,161      | 260,844         | 59,216           | 283,500                       | 41,819      | 201,775         | 39,906           | 130,721                              | 52,342      | 59,069          | 19,310           |
| 1983             | 448,042                     | 113,869     | 254,524         | 79,649           | 315,750                       | 57,802      | 191,152         | 66,796           | 132,292                              | 56,067      | 63,372          | 12,853           |
| 1984             | 414,272                     | 99,847      | 229,242         | 85,183           | 246,218                       | 45,966      | 141,411         | 58,841           | 168,054                              | 53,881      | 87,831          | 26,342           |
| 1985             | 472,120                     | 97,528      | 281,675         | 92,917           | 266,871                       | 30,930      | 172,205         | 63,736           | 205,249                              | 66,598      | 109,470         | 29,181           |
| 1986             | 672,409                     | 129,385     | 424,528         | 118,496          | 497,508                       | 78,111      | 329,745         | 89,652           | 174,901                              | 51,274      | 94,783          | 28,844           |
| 1987             | 850,983                     | 182,183     | 515,910         | 152,890          | 679,225                       | 136,993     | 427,089         | 115,143          | 171,758                              | 45,190      | 88,821          | 37,747           |
| 1988             | 1,030,664                   | 284,807     | 526,639         | 219,218          | 695,784                       | 167,362     | 372,557         | 155,865          | 334,880                              | 117,445     | 154,082         | 63,353           |
| 1989             | 1,090,252                   | 375,955     | 492,278         | 222,019          | 691,984                       | 206,625     | 331,889         | 153,470          | 398,268                              | 169,330     | 160,389         | 68,550           |
| 1990             | 867,738                     | 284,288     | 369,605         | 213,844          | 587,367                       | 157,198     | 264,835         | 165,334          | 280,371                              | 127,090     | 104,770         | 48,510           |
| 1991:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 244,778                     | 91,281      | 102,617         | 50,880           | 139,809                       | 42,203      | 62,136          | 35,470           | 104,969                              | 49,078      | 40,481          | 15,410           |
| 2d qtr.          | 223,572                     | 79,036      | 92,764          | 51,772           | 142,964                       | 41,019      | 62,773          | 39,172           | 80,608                               | 38,017      | 29,991          | 12,600           |
| 3d qtr.          | 181,602                     | 61,635      | 79,005          | 40,962           | 122,017                       | 35,021      | 60,063          | 26,933           | 59,585                               | 26,614      | 18,942          | 14,029           |
| 4th qtr.         | 195,468                     | 79,750      | 67,169          | 48,549           | 113,053                       | 33,542      | 44,443          | 35,068           | 82,415                               | 46,208      | 22,726          | 13,481           |
| 1991 total       | 845,420                     | 311,702     | 341,555         | 192,163          | 517,843                       | 151,785     | 229,415         | 136,643          | 327,577                              | 159,917     | 112,140         | 55,520           |
| 1992:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 181,446                     | 78,197      | 69,038          | 34,211           | 109,896                       | 37,420      | 47,389          | 25,087           | 71,550                               | 40,777      | 21,649          | 9,124            |
| 2d qtr.          | 168,187                     | 84,500      | 54,391          | 29,296           | 93,868                        | 35,039      | 39,173          | 19,656           | 74,319                               | 49,461      | 15,218          | 9,640            |
| 3d qtr.          | 194,367                     | 100,801     | 61,671          | 31,895           | 109,461                       | 39,249      | 47,130          | 23,082           | 84,906                               | 61,552      | 14,541          | 8,813            |
| 4th qtr.         | 196,180                     | 97,259      | 65,651          | 33,270           | 117,371                       | 41,900      | 51,822          | 23,649           | 78,809                               | 55,359      | 13,829          | 9,621            |
| 1992 total       | 740,179                     | 360,757     | 250,751         | 128,671          | 430,596                       | 153,608     | 185,514         | 91,474           | 309,583                              | 207,149     | 65,237          | 37,197           |

**Table 47--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92<sup>a</sup> (continued)**

(In thousand board feet)

| Year and quarter              | From both customs districts |             |                 |                  | From Seattle Customs District |             |                 |                  | From Columbia-Snake Customs District |             |                 |                  |
|-------------------------------|-----------------------------|-------------|-----------------|------------------|-------------------------------|-------------|-----------------|------------------|--------------------------------------|-------------|-----------------|------------------|
|                               | Total                       | Douglas-fir | Western hemlock | Other soft-woods | Total                         | Douglas-fir | Western hemlock | Other soft-woods | Total                                | Douglas-fir | Western hemlock | Other soft-woods |
| TO CANADA                     |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981                          | 213,594                     | 91,861      | 20,598          | 101,135          | 213,594                       | 91,861      | 20,598          | 101,135          | 0                                    | 0           | 0               | 0                |
| 1982                          | 120,189                     | 50,773      | 11,127          | 58,289           | 120,189                       | 50,773      | 11,127          | 58,289           | 0                                    | 0           | 0               | 0                |
| 1983                          | 170,763                     | 72,133      | 9,733           | 88,897           | 170,763                       | 72,133      | 9,733           | 88,897           | 0                                    | 0           | 0               | 0                |
| 1984                          | 109,979                     | 45,625      | 7,559           | 56,795           | 109,979                       | 45,625      | 7,559           | 56,795           | 0                                    | 0           | 0               | 0                |
| 1985                          | 118,951                     | 52,845      | 6,127           | 59,979           | 118,936                       | 52,830      | 6,127           | 59,979           | 15                                   | 15          | 0               | 0                |
| 1986                          | 151,009                     | 59,174      | 9,948           | 81,887           | 151,009                       | 59,174      | 9,948           | 81,887           | 0                                    | 0           | 0               | 0                |
| 1987                          | 153,809                     | 55,492      | 11,112          | 87,205           | 153,809                       | 55,492      | 11,112          | 87,205           | 0                                    | 0           | 0               | 0                |
| 1988                          | 196,084                     | 86,295      | 19,800          | 89,989           | 196,084                       | 86,295      | 19,800          | 89,989           | 0                                    | 0           | 0               | 0                |
| 1989                          | 210,978                     | 102,218     | 18,073          | 90,686           | 210,978                       | 102,218     | 18,073          | 90,686           | 0                                    | 0           | 0               | 0                |
| 1990                          | 207,397                     | 110,752     | 16,086          | 80,559           | 207,397                       | 110,752     | 16,086          | 80,559           | 0                                    | 0           | 0               | 0                |
| 1991:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 34,323                      | 18,074      | 2,820           | 13,429           | 34,323                        | 18,074      | 2,820           | 13,429           | 0                                    | 0           | 0               | 0                |
| 2d qtr.                       | 44,036                      | 28,674      | 2,035           | 13,327           | 44,036                        | 28,674      | 2,035           | 13,327           | 0                                    | 0           | 0               | 0                |
| 3d qtr.                       | 35,002                      | 21,773      | 2,083           | 11,146           | 35,002                        | 21,773      | 2,083           | 11,146           | 0                                    | 0           | 0               | 0                |
| 4th qtr.                      | 36,539                      | 22,479      | 2,103           | 11,957           | 36,539                        | 22,479      | 2,103           | 11,957           | 0                                    | 0           | 0               | 0                |
| 1991 total                    | 149,900                     | 91,000      | 9,041           | 49,859           | 149,900                       | 91,000      | 9,041           | 49,859           | 0                                    | 0           | 0               | 0                |
| 1992:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 41,555                      | 26,404      | 2,261           | 12,890           | 41,555                        | 26,404      | 2,261           | 12,890           | 0                                    | 0           | 0               | 0                |
| 2d qtr.                       | 29,200                      | 19,125      | 1,206           | 8,869            | 29,200                        | 19,125      | 1,206           | 8,869            | 0                                    | 0           | 0               | 0                |
| 3d qtr.                       | 25,750                      | 16,088      | 1,097           | 8,565            | 25,750                        | 16,088      | 1,097           | 8,565            | 0                                    | 0           | 0               | 0                |
| 4th qtr.                      | 21,914                      | 11,334      | 2,102           | 8,478            | 21,914                        | 11,334      | 2,102           | 8,478            | 0                                    | 0           | 0               | 0                |
| 1992 total                    | 118,418                     | 72,951      | 6,667           | 38,800           | 118,418                       | 72,951      | 6,667           | 38,800           | 0                                    | 0           | 0               | 0                |
| TO PEOPLE'S REPUBLIC OF CHINA |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981                          | 9,041                       | 8,829       | 20              | 192              | 335                           | 123         | 20              | 192              | 8,706                                | 8,706       | 0               | 0                |
| 1982                          | 2,248                       | 2,248       | 0               | 0                | 0                             | 0           | 0               | 0                | 2,248                                | 2,248       | 0               | 0                |
| 1983                          | 7,402                       | 7,402       | 0               | 0                | 0                             | 0           | 0               | 0                | 7,402                                | 7,402       | 0               | 0                |
| 1984                          | 43,564                      | 34,208      | 6               | 9,350            | 0                             | 0           | 0               | 0                | 43,564                               | 34,208      | 6               | 9,350            |
| 1985                          | 17,490                      | 13,998      | 2,808           | 684              | 89                            | 0           | 0               | 89               | 17,401                               | 13,998      | 2,808           | 595              |
| 1986                          | 5,282                       | 3,026       | 2,178           | 78               | 2,178                         | 0           | 2,178           | 0                | 3,104                                | 3,026       | 0               | 78               |
| 1987                          | 9,267                       | 8,834       | 0               | 433              | 631                           | 198         | 0               | 433              | 8,636                                | 8,636       | 0               | 0                |
| 1988                          | 4,941                       | 0           | 118             | 4,823            | 118                           | 0           | 118             | 0                | 4,823                                | 0           | 0               | 4,823            |
| 1989                          | 9,690                       | 64          | 313             | 9,313            | 555                           | 10          | 217             | 328              | 9,135                                | 54          | 97              | 8,985            |
| 1990                          | 4,580                       | 0           | 162             | 4,418            | 363                           | 0           | 162             | 201              | 4,217                                | 0           | 0               | 4,217            |
| 1991:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 7                           | 0           | 0               | 7                | 7                             | 0           | 0               | 7                | 0                                    | 0           | 0               | 0                |
| 2d qtr.                       | 162                         | 0           | 0               | 162              | 162                           | 0           | 0               | 162              | 0                                    | 0           | 0               | 0                |
| 3d qtr.                       | 0                           | 0           | 0               | 0                | 0                             | 0           | 0               | 0                | 0                                    | 0           | 0               | 0                |
| 4th qtr.                      | 57                          | 0           | 0               | 57               | 57                            | 0           | 0               | 57               | 0                                    | 0           | 0               | 0                |
| 1991 total                    | 226                         | 0           | 0               | 226              | 226                           | 0           | 0               | 226              | 0                                    | 0           | 0               | 0                |
| 1992:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 4,016                       | 0           | 2,401           | 1,615            | 0                             | 0           | 0               | 0                | 4,016                                | 0           | 2,401           | 1,615            |
| 2d qtr.                       | 0                           | 0           | 0               | 0                | 0                             | 0           | 0               | 0                | 0                                    | 0           | 0               | 0                |
| 3d qtr.                       | 0                           | 0           | 0               | 0                | 0                             | 0           | 0               | 0                | 0                                    | 0           | 0               | 0                |
| 4th qtr.                      | 2,293                       | 290         | 1,002           | 1,001            | 290                           | 290         | 0               | 0                | 2,003                                | 0           | 1,002           | 1,001            |
| 1992 total                    | 6,309                       | 290         | 3,403           | 2,616            | 290                           | 290         | 0               | 0                | 6,019                                | 0           | 3,403           | 2,616            |

<sup>a</sup> Includes lumber classified as railroad crossties and not specified by species.

Source. U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

09 Figure 4--Lumber exports from Seattle and Columbia-Snake Customs Districts, 1982-92

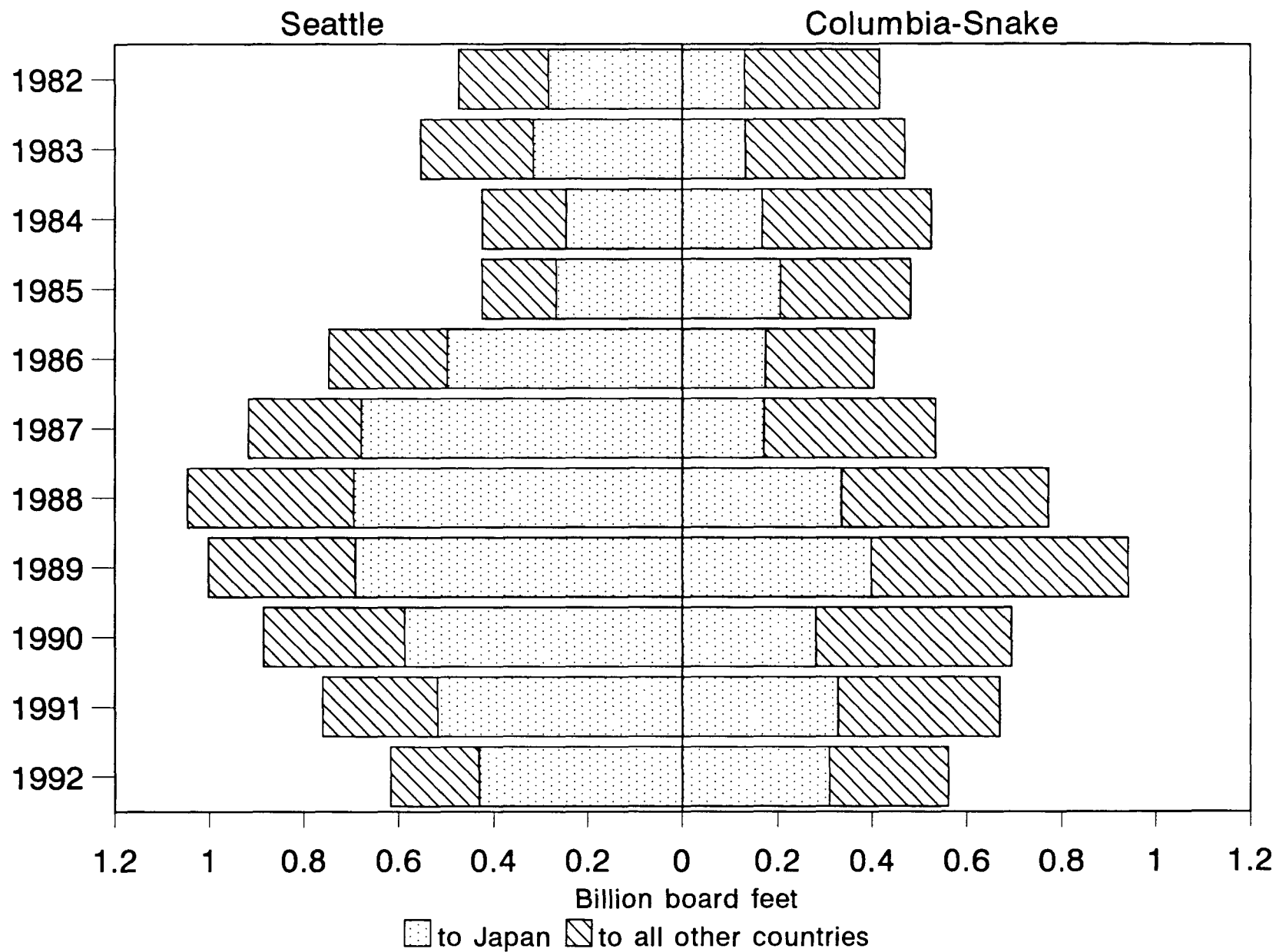


**Table 48--Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92<sup>a</sup>**

(In thousands of dollars)

| Year and quarter | From both customs districts |             |                 |                  | From Seattle Customs District |             |                 |                  | From Columbia-Snake Customs District |             |                 |                  |
|------------------|-----------------------------|-------------|-----------------|------------------|-------------------------------|-------------|-----------------|------------------|--------------------------------------|-------------|-----------------|------------------|
|                  | Total                       | Douglas-fir | Western hemlock | Other soft-woods | Total                         | Douglas-fir | Western hemlock | Other soft-woods | Total                                | Douglas-fir | Western hemlock | Other soft-woods |
| TO ALL COUNTRIES |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981             | 361,416                     | 196,961     | 91,882          | 72,572           | 155,626                       | 50,182      | 55,846          | 49,598           | 205,789                              | 146,779     | 36,037          | 22,974           |
| 1982             | 323,061                     | 175,211     | 89,511          | 58,339           | 142,366                       | 36,056      | 69,144          | 37,166           | 180,696                              | 139,156     | 20,367          | 21,173           |
| 1983             | 363,007                     | 206,037     | 90,489          | 66,481           | 166,499                       | 45,242      | 70,845          | 50,411           | 196,509                              | 160,795     | 19,644          | 16,070           |
| 1984             | 330,970                     | 190,732     | 74,134          | 66,104           | 132,977                       | 39,207      | 49,225          | 44,545           | 197,993                              | 151,525     | 24,909          | 21,560           |
| 1985             | 303,107                     | 158,986     | 89,107          | 55,014           | 130,839                       | 34,168      | 57,877          | 38,794           | 172,269                              | 124,818     | 31,231          | 16,220           |
| 1986             | 413,932                     | 191,641     | 143,117         | 79,174           | 245,884                       | 67,314      | 114,053         | 64,517           | 168,048                              | 124,327     | 29,064          | 14,656           |
| 1987             | 560,924                     | 265,942     | 195,170         | 99,812           | 317,034                       | 86,862      | 157,523         | 72,649           | 243,890                              | 179,080     | 37,647          | 27,163           |
| 1988             | 697,515                     | 349,275     | 208,887         | 139,353          | 362,334                       | 119,947     | 148,273         | 94,113           | 335,180                              | 229,327     | 60,613          | 45,240           |
| 1989             | 875,758                     | 465,909     | 220,835         | 189,015          | 399,183                       | 133,667     | 147,991         | 117,525          | 476,575                              | 332,241     | 72,844          | 71,490           |
| 1990             | 768,650                     | 409,866     | 170,927         | 187,857          | 376,309                       | 130,918     | 121,773         | 123,618          | 392,341                              | 278,948     | 49,154          | 64,239           |
| 1991:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 197,349                     | 110,297     | 46,229          | 40,823           | 88,757                        | 31,439      | 28,678          | 28,640           | 108,592                              | 78,858      | 17,551          | 12,183           |
| 2d qtr.          | 195,748                     | 112,868     | 43,625          | 39,255           | 95,034                        | 36,687      | 29,285          | 29,062           | 100,714                              | 76,181      | 14,340          | 10,193           |
| 3d qtr.          | 161,520                     | 91,471      | 37,337          | 32,712           | 79,630                        | 29,667      | 28,183          | 21,780           | 81,890                               | 61,804      | 9,154           | 10,932           |
| 4th qtr.         | 171,726                     | 97,955      | 31,818          | 41,953           | 78,345                        | 30,235      | 21,485          | 26,625           | 93,381                               | 67,720      | 10,333          | 15,328           |
| 1991 total       | 726,343                     | 412,591     | 159,009         | 154,743          | 341,766                       | 128,028     | 107,631         | 106,107          | 384,577                              | 284,563     | 51,378          | 48,636           |
| 1992:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 155,589                     | 87,135      | 34,651          | 33,803           | 82,102                        | 34,066      | 23,127          | 24,909           | 73,487                               | 53,069      | 11,524          | 8,894            |
| 2d qtr.          | 155,839                     | 100,150     | 28,067          | 29,622           | 68,529                        | 30,978      | 18,124          | 19,427           | 87,310                               | 69,172      | 7,943           | 10,195           |
| 3d qtr.          | 164,108                     | 104,804     | 29,280          | 30,024           | 74,129                        | 31,606      | 21,597          | 20,926           | 89,979                               | 73,198      | 7,683           | 9,098            |
| 4th qtr.         | 175,704                     | 111,354     | 31,725          | 32,615           | 78,517                        | 37,782      | 24,210          | 16,525           | 97,187                               | 73,582      | 7,515           | 16,090           |
| 1992 total       | 651,239                     | 398,453     | 121,724         | 131,062          | 303,276                       | 129,432     | 87,059          | 86,785           | 347,963                              | 269,021     | 34,665          | 44,277           |
| TO JAPAN         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981             | 111,549                     | 24,244      | 66,441          | 20,864           | 67,835                        | 11,139      | 41,421          | 15,274           | 43,715                               | 13,105      | 25,020          | 5,590            |
| 1982             | 129,281                     | 29,748      | 77,542          | 21,980           | 81,284                        | 11,752      | 55,660          | 13,872           | 46,997                               | 17,996      | 21,882          | 8,119            |
| 1983             | 137,571                     | 33,469      | 77,244          | 26,858           | 98,180                        | 16,073      | 59,386          | 22,721           | 39,391                               | 17,395      | 17,858          | 4,137            |
| 1984             | 123,595                     | 30,899      | 64,837          | 27,859           | 74,996                        | 13,802      | 41,970          | 19,224           | 48,598                               | 17,097      | 22,867          | 8,635            |
| 1985             | 141,536                     | 28,966      | 83,125          | 29,445           | 82,653                        | 8,795       | 53,681          | 20,177           | 58,883                               | 20,171      | 29,444          | 9,268            |
| 1986             | 222,302                     | 44,466      | 133,059         | 44,777           | 165,304                       | 26,505      | 104,771         | 34,028           | 56,999                               | 17,961      | 28,288          | 10,749           |
| 1987             | 302,166                     | 68,370      | 176,838         | 56,957           | 239,752                       | 51,667      | 146,208         | 41,876           | 62,414                               | 16,704      | 30,629          | 15,081           |
| 1988             | 351,915                     | 90,655      | 187,370         | 73,890           | 235,227                       | 54,112      | 129,758         | 51,357           | 116,688                              | 36,542      | 57,612          | 22,534           |
| 1989             | 451,059                     | 151,281     | 203,488         | 96,291           | 274,497                       | 74,909      | 135,184         | 64,405           | 176,562                              | 76,372      | 68,304          | 31,886           |
| 1990             | 382,963                     | 126,576     | 156,635         | 99,751           | 250,943                       | 69,069      | 109,698         | 72,176           | 132,020                              | 57,507      | 46,937          | 27,575           |
| 1991:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 110,430                     | 41,226      | 43,451          | 25,753           | 61,365                        | 18,630      | 26,207          | 16,528           | 49,065                               | 22,596      | 17,244          | 9,225            |
| 2d qtr.          | 101,244                     | 35,905      | 40,581          | 24,758           | 61,985                        | 17,679      | 26,966          | 17,340           | 39,259                               | 18,226      | 13,615          | 7,418            |
| 3d qtr.          | 82,839                      | 27,762      | 34,177          | 20,900           | 54,740                        | 16,382      | 25,608          | 12,750           | 28,099                               | 11,380      | 8,569           | 8,150            |
| 4th qtr.         | 91,412                      | 37,742      | 28,922          | 24,748           | 51,868                        | 16,128      | 19,068          | 16,672           | 39,544                               | 21,614      | 9,854           | 8,076            |
| 1991 total       | 385,925                     | 142,635     | 147,131         | 96,159           | 229,958                       | 68,819      | 97,849          | 63,290           | 155,967                              | 73,816      | 49,282          | 32,869           |
| 1992:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 89,213                      | 38,958      | 30,597          | 19,658           | 53,293                        | 18,705      | 20,243          | 14,345           | 35,920                               | 20,253      | 10,354          | 5,313            |
| 2d qtr.          | 84,388                      | 43,539      | 23,959          | 18,890           | 45,592                        | 18,172      | 16,437          | 10,983           | 38,796                               | 25,367      | 7,522           | 5,907            |
| 3d qtr.          | 98,748                      | 53,797      | 26,854          | 18,097           | 51,973                        | 20,354      | 19,704          | 11,915           | 46,775                               | 33,443      | 7,150           | 6,182            |
| 4th qtr.         | 105,216                     | 55,824      | 28,811          | 20,581           | 59,255                        | 23,000      | 22,371          | 13,884           | 45,961                               | 32,824      | 6,440           | 6,697            |
| 1992 total       | 377,565                     | 192,118     | 110,223         | 75,224           | 210,113                       | 80,231      | 78,756          | 51,126           | 167,452                              | 111,887     | 31,467          | 24,098           |

**Table 48--Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92<sup>a</sup> (continued)**

(In thousands of dollars)

| Year and quarter              | From both customs districts |             |                 |                  | From Seattle Customs District |             |                 |                  | From Columbia-Snake Customs District |             |                 |                  |
|-------------------------------|-----------------------------|-------------|-----------------|------------------|-------------------------------|-------------|-----------------|------------------|--------------------------------------|-------------|-----------------|------------------|
|                               | Total                       | Douglas-fir | Western hemlock | Other soft-woods | Total                         | Douglas-fir | Western hemlock | Other soft-woods | Total                                | Douglas-fir | Western hemlock | Other soft-woods |
| TO CANADA                     |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981                          | 58,031                      | 27,433      | 6,200           | 24,397           | 58,031                        | 27,433      | 6,200           | 24,397           | --                                   | --          | --              | --               |
| 1982                          | 31,671                      | 13,648      | 3,536           | 14,505           | 31,671                        | 13,648      | 3,536           | 14,505           | --                                   | --          | --              | --               |
| 1983                          | 44,175                      | 20,039      | 3,297           | 20,838           | 44,175                        | 20,039      | 3,297           | 20,838           | --                                   | --          | --              | --               |
| 1984                          | 31,348                      | 13,068      | 2,534           | 15,745           | 31,348                        | 13,068      | 2,534           | 15,745           | --                                   | --          | --              | --               |
| 1985                          | 31,657                      | 15,738      | 2,098           | 13,821           | 31,648                        | 15,729      | 2,098           | 13,821           | 9                                    | 9           | --              | --               |
| 1986                          | 40,582                      | 19,187      | 3,327           | 18,069           | 40,582                        | 19,187      | 3,327           | 18,069           | --                                   | --          | --              | --               |
| 1987                          | 42,800                      | 18,682      | 3,952           | 20,166           | 42,800                        | 18,682      | 3,952           | 20,166           | --                                   | --          | --              | --               |
| 1988                          | 63,557                      | 30,555      | 6,931           | 26,072           | 63,557                        | 30,555      | 6,931           | 26,072           | --                                   | --          | --              | --               |
| 1989                          | 76,948                      | 39,814      | 6,507           | 30,627           | 76,948                        | 39,814      | 6,507           | 30,627           | --                                   | --          | --              | --               |
| 1990                          | 78,744                      | 41,888      | 6,909           | 29,947           | 78,744                        | 41,888      | 6,909           | 29,947           | --                                   | --          | --              | --               |
| 1991:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 14,625                      | 8,234       | 1,149           | 5,242            | 14,625                        | 8,234       | 1,149           | 5,242            | --                                   | --          | --              | --               |
| 2d qtr.                       | 19,590                      | 13,693      | 980             | 4,917            | 19,590                        | 13,693      | 980             | 4,917            | --                                   | --          | --              | --               |
| 3d qtr.                       | 15,703                      | 10,530      | 759             | 4,414            | 15,703                        | 10,530      | 759             | 4,414            | --                                   | --          | --              | --               |
| 4th qtr.                      | 16,512                      | 11,265      | 843             | 4,404            | 16,512                        | 11,265      | 843             | 4,404            | --                                   | --          | --              | --               |
| 1991 total                    | 66,430                      | 43,723      | 3,730           | 18,977           | 66,430                        | 43,723      | 3,730           | 18,977           | --                                   | --          | --              | --               |
| 1992:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 19,274                      | 13,180      | 961             | 5,133            | 19,274                        | 13,180      | 961             | 5,133            | --                                   | --          | --              | --               |
| 2d qtr.                       | 14,125                      | 9,789       | 588             | 3,748            | 14,125                        | 9,789       | 588             | 3,748            | --                                   | --          | --              | --               |
| 3d qtr.                       | 13,111                      | 8,796       | 495             | 3,820            | 13,111                        | 8,796       | 495             | 3,820            | --                                   | --          | --              | --               |
| 4th qtr.                      | 10,567                      | 6,009       | 880             | 3,678            | 10,567                        | 6,009       | 880             | 3,678            | --                                   | --          | --              | --               |
| 1992 total                    | 57,077                      | 37,773      | 2,923           | 16,381           | 57,077                        | 37,773      | 2,293           | 16,381           | --                                   | --          | --              | --               |
| TO PEOPLE'S REPUBLIC OF CHINA |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981                          | 2,566                       | 2,531       | 15              | 20               | 91                            | 55          | 15              | 20               | 2,475                                | 2,475       | --              | --               |
| 1982                          | 577                         | 577         | --              | --               | --                            | --          | --              | --               | 577                                  | 577         | --              | --               |
| 1983                          | 2,381                       | 2,381       | --              | --               | --                            | --          | --              | --               | 2,381                                | 2,381       | --              | --               |
| 1984                          | 11,914                      | 8,923       | 2               | 2,989            | --                            | --          | --              | --               | 11,914                               | 8,923       | 2               | 2,989            |
| 1985                          | 4,784                       | 3,669       | 732             | 383              | 41                            | --          | --              | 41               | 4,743                                | 3,669       | 732             | 341              |
| 1986                          | 1,077                       | 655         | 407             | 16               | 407                           | --          | 407             | --               | 670                                  | 655         | --              | 16               |
| 1987                          | 2,792                       | 2,635       | --              | 157              | 244                           | 87          | --              | 157              | 2,548                                | 2,548       | --              | --               |
| 1988                          | 1,950                       | --          | 41              | 1,909            | 41                            | --          | 41              | --               | 1,909                                | --          | --              | 1,909            |
| 1989                          | 3,960                       | 25          | 176             | 3,759            | 240                           | 4           | 77              | 159              | 3,720                                | 21          | 99              | 3,600            |
| 1990                          | 1,936                       | --          | 60              | 1,876            | 120                           | --          | 60              | 60               | 1,816                                | --          | --              | 1,816            |
| 1991:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 14                          | --          | --              | 14               | 14                            | --          | --              | 14               | --                                   | --          | --              | --               |
| 2d qtr.                       | 69                          | --          | --              | 69               | 69                            | --          | --              | 69               | --                                   | --          | --              | --               |
| 3d qtr.                       | --                          | --          | --              | --               | --                            | --          | --              | --               | --                                   | --          | --              | --               |
| 4th qtr.                      | 32                          | --          | --              | 32               | 32                            | --          | --              | 32               | --                                   | --          | --              | --               |
| 1991 total                    | 115                         | --          | --              | 115              | 115                           | --          | --              | 115              | --                                   | --          | --              | --               |
| 1992:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 1,630                       | --          | 994             | 636              | --                            | --          | --              | --               | 1,630                                | --          | 994             | 636              |
| 2d qtr.                       | --                          | --          | --              | --               | --                            | --          | --              | --               | --                                   | --          | --              | --               |
| 3d qtr.                       | --                          | --          | --              | --               | --                            | --          | --              | --               | --                                   | --          | --              | --               |
| 4th qtr.                      | 1,110                       | 108         | 501             | 501              | 108                           | 108         | --              | --               | 1,002                                | --          | 501             | 501              |
| 1992 total                    | 2,740                       | 108         | 1,495           | 1,137            | 108                           | 108         | --              | --               | 2,632                                | --          | 1,495           | 1,137            |

Note: Individual columns may not add to totals because of rounding

<sup>a</sup> Includes lumber classified as railroad crossies and not specified by species

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter

**Table 49--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92<sup>a</sup>**

(In dollars per thousand board feet)

| Year and quarter | From both customs districts |             |                 |                  | From Seattle Customs District |             |                 |                  | From Columbia-Snake Customs District |             |                 |                  |
|------------------|-----------------------------|-------------|-----------------|------------------|-------------------------------|-------------|-----------------|------------------|--------------------------------------|-------------|-----------------|------------------|
|                  | Total                       | Douglas-fir | Western hemlock | Other soft-woods | Total                         | Douglas-fir | Western hemlock | Other soft-woods | Total                                | Douglas-fir | Western hemlock | Other soft-woods |
| TO ALL COUNTRIES |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981             | 387.06                      | 436.65      | 342.81          | 338.11           | 332.62                        | 360.84      | 322.81          | 318.31           | 441.75                               | 470.44      | 379.24          | 390.55           |
| 1982             | 363.64                      | 417.90      | 291.66          | 359.59           | 301.01                        | 308.04      | 291.53          | 313.02           | 434.95                               | 460.46      | 292.09          | 486.70           |
| 1983             | 355.17                      | 401.64      | 306.32          | 311.15           | 301.26                        | 297.07      | 317.28          | 284.66           | 418.66                               | 445.80      | 272.89          | 478.61           |
| 1984             | 348.57                      | 384.22      | 287.76          | 338.19           | 314.01                        | 322.85      | 304.50          | 317.24           | 376.39                               | 404.05      | 259.55          | 391.65           |
| 1985             | 334.58                      | 372.74      | 294.92          | 310.36           | 308.35                        | 323.13      | 313.75          | 289.26           | 357.69                               | 389.09      | 265.39          | 375.97           |
| 1986             | 359.46                      | 412.71      | 316.20          | 337.53           | 329.03                        | 348.17      | 320.86          | 325.01           | 415.74                               | 458.75      | 299.18          | 406.41           |
| 1987             | 386.08                      | 446.59      | 344.17          | 343.82           | 345.31                        | 370.78      | 343.77          | 321.98           | 456.08                               | 495.76      | 345.85          | 420.01           |
| 1988             | 383.85                      | 440.63      | 355.20          | 319.32           | 346.21                        | 363.75      | 348.28          | 323.32           | 434.96                               | 495.40      | 373.35          | 311.29           |
| 1989             | 429.87                      | 448.10      | 411.67          | 409.95           | 364.37                        | 302.90      | 403.99          | 408.18           | 506.07                               | 555.17      | 428.19          | 412.88           |
| 1990             | 486.71                      | 551.80      | 425.06          | 432.48           | 424.64                        | 436.20      | 416.25          | 421.18           | 566.07                               | 630.19      | 448.56          | 456.02           |
| 1991:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 484.89                      | 547.77      | 423.91          | 422.83           | 440.23                        | 454.72      | 422.84          | 442.98           | 528.83                               | 596.43      | 425.67          | 381.97           |
| 2d qtr.          | 508.72                      | 570.79      | 435.14          | 452.28           | 440.70                        | 468.33      | 429.20          | 420.71           | 595.43                               | 638.01      | 447.78          | 575.39           |
| 3d qtr.          | 518.32                      | 578.67      | 428.13          | 493.10           | 453.00                        | 480.18      | 420.69          | 463.32           | 602.86                               | 641.87      | 452.79          | 565.52           |
| 4th qtr.         | 525.60                      | 581.49      | 427.78          | 500.08           | 467.43                        | 489.69      | 423.57          | 482.86           | 586.86                               | 634.61      | 436.80          | 533.09           |
| 1991 average     | 507.90                      | 568.60      | 428.71          | 463.98           | 449.31                        | 472.43      | 424.13          | 449.84           | 574.47                               | 625.94      | 438.65          | 497.84           |
| 1992:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 528.89                      | 587.27      | 429.17          | 518.52           | 476.74                        | 506.58      | 411.40          | 510.93           | 602.52                               | 654.15      | 469.89          | 545.18           |
| 2d qtr.          | 565.97                      | 616.48      | 437.60          | 555.48           | 497.60                        | 525.06      | 416.81          | 551.34           | 634.37                               | 668.61      | 493.81          | 563.54           |
| 3d qtr.          | 545.68                      | 589.43      | 428.97          | 549.03           | 488.24                        | 532.00      | 410.56          | 517.47           | 606.75                               | 618.24      | 490.83          | 638.59           |
| 4th qtr.         | 572.09                      | 660.47      | 434.49          | 497.83           | 507.54                        | 642.46      | 423.67          | 426.47           | 637.59                               | 670.21      | 473.45          | 601.14           |
| 1992 average     | 553.11                      | 606.26      | 432.29          | 549.31           | 491.47                        | 529.45      | 415.66          | 531.85           | 621.01                               | 651.75      | 480.55          | 587.10           |
| TO JAPAN         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981             | 357.26                      | 436.99      | 321.23          | 417.97           | 357.88                        | 428.98      | 322.83          | 433.00           | 356.32                               | 444.04      | 318.60          | 381.77           |
| 1982             | 312.11                      | 315.93      | 297.27          | 371.19           | 286.72                        | 281.02      | 275.85          | 347.61           | 359.52                               | 343.82      | 370.45          | 420.45           |
| 1983             | 307.05                      | 293.92      | 303.49          | 337.21           | 310.94                        | 278.08      | 310.68          | 340.15           | 297.76                               | 310.26      | 281.80          | 328.89           |
| 1984             | 298.34                      | 309.46      | 282.83          | 327.05           | 304.59                        | 300.27      | 296.79          | 326.71           | 289.18                               | 317.31      | 260.35          | 327.80           |
| 1985             | 299.79                      | 297.00      | 295.11          | 316.90           | 309.71                        | 284.35      | 311.73          | 316.57           | 286.89                               | 302.88      | 268.96          | 317.62           |
| 1986             | 330.61                      | 343.67      | 313.43          | 377.88           | 332.26                        | 339.32      | 317.73          | 379.56           | 325.89                               | 350.29      | 298.45          | 372.66           |
| 1987             | 355.32                      | 375.28      | 342.77          | 372.54           | 352.98                        | 377.15      | 342.34          | 363.69           | 363.38                               | 369.64      | 344.84          | 399.53           |
| 1988             | 341.44                      | 318.30      | 355.78          | 337.06           | 338.07                        | 323.32      | 348.29          | 329.50           | 348.45                               | 311.14      | 373.90          | 355.69           |
| 1989             | 381.14                      | 322.46      | 413.36          | 433.71           | 349.60                        | 249.85      | 407.32          | 419.66           | 443.32                               | 451.02      | 425.86          | 465.15           |
| 1990             | 441.33                      | 445.24      | 423.79          | 466.47           | 427.23                        | 439.38      | 414.21          | 436.55           | 470.88                               | 452.49      | 448.00          | 568.44           |
| 1991:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 451.14                      | 451.64      | 423.43          | 506.15           | 438.92                        | 441.44      | 421.77          | 465.97           | 467.42                               | 460.41      | 425.98          | 598.64           |
| 2d qtr.          | 452.85                      | 454.29      | 437.46          | 478.21           | 433.57                        | 431.00      | 429.58          | 442.66           | 487.04                               | 479.42      | 453.97          | 588.73           |
| 3d qtr.          | 456.16                      | 450.43      | 432.59          | 510.23           | 448.63                        | 467.78      | 426.35          | 473.40           | 471.58                               | 427.59      | 452.38          | 580.94           |
| 4th qtr.         | 467.66                      | 473.25      | 430.59          | 509.75           | 458.79                        | 480.83      | 429.04          | 475.42           | 479.82                               | 467.76      | 433.60          | 599.07           |
| 1991 average     | 456.49                      | 457.60      | 430.77          | 500.40           | 444.07                        | 453.40      | 426.52          | 463.18           | 476.12                               | 461.59      | 439.47          | 592.02           |
| 1992:            |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.         | 491.68                      | 498.20      | 443.19          | 574.61           | 484.94                        | 499.87      | 427.17          | 571.81           | 502.03                               | 496.68      | 478.27          | 582.31           |
| 2d qtr.          | 501.75                      | 515.25      | 440.50          | 576.53           | 485.70                        | 518.62      | 419.60          | 558.76           | 522.02                               | 512.87      | 494.28          | 612.76           |
| 3d qtr.          | 508.05                      | 533.70      | 435.44          | 567.39           | 474.81                        | 518.59      | 418.08          | 516.20           | 550.90                               | 543.33      | 491.71          | 701.46           |
| 4th qtr.         | 536.32                      | 573.97      | 438.85          | 618.61           | 504.85                        | 548.93      | 431.69          | 587.09           | 583.20                               | 592.93      | 465.69          | 696.08           |
| 1992 average     | 510.10                      | 532.54      | 439.57          | 584.62           | 487.96                        | 522.31      | 424.53          | 558.91           | 540.90                               | 540.13      | 482.35          | 647.85           |

**Table 49--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1981-92<sup>a</sup> (continued)**

(In dollars per thousand board feet)

| Year and quarter              | From both customs districts |             |                 |                  | From Seattle Customs District |             |                 |                  | From Columbia-Snake Customs District |             |                 |                  |
|-------------------------------|-----------------------------|-------------|-----------------|------------------|-------------------------------|-------------|-----------------|------------------|--------------------------------------|-------------|-----------------|------------------|
|                               | Total                       | Douglas-fir | Western hemlock | Other soft-woods | Total                         | Douglas-fir | Western hemlock | Other soft-woods | Total                                | Douglas-fir | Western hemlock | Other soft-woods |
| TO CANADA                     |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981                          | 281.69                      | 298.64      | 301.46          | 241.23           | 271.69                        | 298.64      | 301.46          | 241.23           | --                                   | --          | --              | --               |
| 1982                          | 263.51                      | 268.80      | 317.76          | 248.85           | 263.51                        | 268.80      | 317.73          | 248.85           | --                                   | --          | --              | --               |
| 1983                          | 258.69                      | 277.81      | 338.73          | 234.41           | 258.69                        | 277.81      | 338.73          | 234.41           | --                                   | --          | --              | --               |
| 1984                          | 285.03                      | 286.43      | 335.28          | 277.22           | 285.03                        | 286.43      | 335.28          | 277.22           | --                                   | --          | --              | --               |
| 1985                          | 266.13                      | 297.82      | 342.38          | 230.43           | 266.09                        | 297.74      | 342.38          | 230.43           | 590.00                               | 590.00      | --              | --               |
| 1986                          | 268.74                      | 324.25      | 334.44          | 220.66           | 268.74                        | 324.25      | 334.44          | 220.66           | --                                   | --          | --              | --               |
| 1987                          | 278.27                      | 336.66      | 355.65          | 231.25           | 278.27                        | 336.66      | 355.65          | 231.25           | --                                   | --          | --              | --               |
| 1988                          | 324.13                      | 354.08      | 350.05          | 289.72           | 324.13                        | 354.08      | 350.05          | 289.72           | --                                   | --          | --              | --               |
| 1989                          | 364.72                      | 389.50      | 360.04          | 337.73           | 364.72                        | 389.50      | 360.04          | 337.73           | --                                   | --          | --              | --               |
| 1990                          | 379.68                      | 378.21      | 429.50          | 371.74           | 379.68                        | 378.21      | 429.50          | 371.74           | --                                   | --          | --              | --               |
| 1991:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 426.10                      | 455.57      | 407.45          | 390.35           | 426.10                        | 455.57      | 407.45          | 390.35           | --                                   | --          | --              | --               |
| 2d qtr.                       | 444.86                      | 477.54      | 481.57          | 368.95           | 444.86                        | 477.54      | 481.57          | 368.95           | --                                   | --          | --              | --               |
| 3d qtr.                       | 448.63                      | 483.63      | 364.38          | 396.02           | 448.63                        | 483.63      | 364.38          | 396.02           | --                                   | --          | --              | --               |
| 4th qtr.                      | 451.90                      | 501.13      | 400.86          | 368.32           | 451.90                        | 501.13      | 400.86          | 368.32           | --                                   | --          | --              | --               |
| 1991 average                  | 443.16                      | 480.47      | 412.57          | 380.61           | 443.16                        | 480.47      | 412.57          | 380.61           | --                                   | --          | --              | --               |
| 1992:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 463.82                      | 499.17      | 425.03          | 398.22           | 463.82                        | 499.17      | 425.03          | 398.22           | --                                   | --          | --              | --               |
| 2d qtr.                       | 483.73                      | 511.84      | 487.56          | 422.60           | 483.73                        | 511.84      | 487.56          | 422.60           | --                                   | --          | --              | --               |
| 3d qtr.                       | 509.17                      | 546.74      | 451.23          | 446.00           | 509.17                        | 546.74      | 451.23          | 446.00           | --                                   | --          | --              | --               |
| 4th qtr.                      | 482.20                      | 530.18      | 418.65          | 433.83           | 482.20                        | 530.18      | 418.65          | 433.83           | --                                   | --          | --              | --               |
| 1992 average                  | 482.00                      | 517.79      | 438.43          | 422.19           | 482.00                        | 517.79      | 438.43          | 422.19           | --                                   | --          | --              | --               |
| TO PEOPLE'S REPUBLIC OF CHINA |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1981                          | 283.78                      | 286.62      | 741.60          | 105.42           | 270.55                        | 450.82      | 741.60          | 105.42           | 284.30                               | 284.30      | --              | --               |
| 1982                          | 257.07                      | 257.07      | --              | --               | --                            | --          | --              | --               | 257.07                               | 257.07      | --              | --               |
| 1983                          | 321.62                      | 321.62      | --              | --               | --                            | --          | --              | --               | 321.62                               | 321.62      | --              | --               |
| 1984                          | 273.48                      | 260.85      | 353.33          | 319.66           | --                            | --          | --              | --               | 273.48                               | 260.85      | 353.33          | 319.66           |
| 1985                          | 273.54                      | 262.14      | 260.70          | 559.48           | 464.35                        | --          | --              | 464.35           | 272.56                               | 262.14      | 260.70          | 573.71           |
| 1986                          | 203.90                      | 216.46      | 186.87          | 205.13           | 186.87                        | --          | 186.87          | --               | 215.85                               | 216.46      | --              | 205.13           |
| 1987                          | 301.28                      | 298.28      | --              | 362.59           | 386.69                        | 439.39      | --              | 362.59           | 295.04                               | 295.04      | --              | --               |
| 1988                          | 394.66                      | --          | 347.46          | 395.81           | 347.46                        | --          | 347.46          | --               | 395.81                               | --          | --              | 395.81           |
| 1989                          | 408.67                      | 390.63      | 562.30          | 403.63           | 432.43                        | 400.00      | 354.84          | 484.76           | 407.23                               | 388.89      | 1,020.62        | 400.67           |
| 1990                          | 422.71                      | --          | 370.37          | 424.63           | 330.58                        | --          | 370.37          | 298.51           | 430.64                               | --          | --              | 430.64           |
| 1991:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 2,000.00                    | --          | --              | 2,000.00         | 2,000.00                      | --          | --              | 2,000.00         | --                                   | --          | --              | --               |
| 2d qtr.                       | 425.93                      | --          | --              | 425.93           | 425.93                        | --          | --              | 425.93           | --                                   | --          | --              | --               |
| 3d qtr.                       | --                          | --          | --              | --               | --                            | --          | --              | --               | --                                   | --          | --              | --               |
| 4th qtr.                      | 561.40                      | --          | --              | 561.40           | 561.40                        | --          | --              | 561.40           | --                                   | --          | --              | --               |
| 1991 average                  | 508.85                      | --          | --              | 508.85           | 508.85                        | --          | --              | 508.85           | --                                   | --          | --              | --               |
| 1992:                         |                             |             |                 |                  |                               |             |                 |                  |                                      |             |                 |                  |
| 1st qtr.                      | 405.88                      | --          | 413.99          | 393.81           | --                            | --          | --              | --               | 405.88                               | --          | 413.99          | 393.81           |
| 2d qtr.                       | --                          | --          | --              | --               | --                            | --          | --              | --               | --                                   | --          | --              | --               |
| 3d qtr.                       | --                          | --          | --              | --               | --                            | --          | --              | --               | --                                   | --          | --              | --               |
| 4th qtr.                      | 484.08                      | 372.41      | 500.00          | 500.50           | 372.41                        | 372.41      | --              | --               | 500.25                               | --          | 500.00          | 500.50           |
| 1992 average                  | 434.30                      | 372.41      | 439.32          | 434.63           | 372.41                        | 372.41      | --              | --               | 437.28                               | --          | 439.32          | 434.63           |

<sup>a</sup> Includes lumber classified as railroad crossties and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

**Table 50--Volume and average value of softwood lumber exports from southern California ports by species and destination, 1981-92<sup>a</sup>**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Year and quarter             | Total   |               | Douglas-fir |               | Other softwoods |               |
|------------------------------|---------|---------------|-------------|---------------|-----------------|---------------|
|                              | Volume  | Average value | Volume      | Average value | Volume          | Average value |
| TO ALL COUNTRIES             |         |               |             |               |                 |               |
| 1981                         | 109,451 | 241.62        | 18,809      | 246.16        | 90,642          | 240.68        |
| 1982                         | 71,073  | 223.92        | 7,352       | 276.93        | 63,721          | 217.82        |
| 1983                         | 134,934 | 70.60         | 2,603       | 329.24        | 132,331         | 65.51         |
| 1984                         | 78,630  | 244.78        | 2,979       | 277.61        | 75,651          | 243.49        |
| 1985                         | 95,765  | 284.83        | 2,067       | 340.59        | 93,698          | 283.59        |
| 1986                         | 118,473 | 254.78        | 2,523       | 332.94        | 115,950         | 253.08        |
| 1987                         | 152,754 | 240.57        | 1,148       | 286.59        | 151,606         | 240.23        |
| 1988                         | 260,543 | 242.85        | 2,635       | 331.69        | 257,908         | 241.94        |
| 1989                         | 250,680 | 366.26        | 4,251       | 368.38        | 246,429         | 366.22        |
| 1990                         | 335,646 | 320.29        | 17,056      | 327.16        | 318,590         | 319.92        |
| 1991:                        |         |               |             |               |                 |               |
| 1st quarter                  | 100,298 | 262.22        | 4,476       | 348.75        | 95,822          | 258.18        |
| 2d quarter                   | 147,153 | 233.66        | 6,831       | 321.62        | 140,322         | 229.38        |
| 3d quarter                   | 152,998 | 242.85        | 7,119       | 306.08        | 145,879         | 239.76        |
| 4th quarter                  | 77,647  | 384.42        | 10,771      | 309.72        | 66,876          | 396.45        |
| 1991 total and average value | 478,096 | 267.15        | 29,197      | 317.60        | 448,899         | 263.87        |
| 1992:                        |         |               |             |               |                 |               |
| 1st quarter                  | 54,057  | 685.35        | 8,300       | 330.72        | 45,757          | 749.68        |
| 2d quarter                   | R51,612 | R703.42       | 10,476      | 370.74        | R41,136         | R788.14       |
| 3d quarter                   | 52,737  | 567.76        | 12,392      | 382.83        | 40,345          | 624.56        |
| 4th quarter                  | 65,464  | 601.98        | 13,119      | 390.12        | 52,345          | 655.08        |
| 1992 total and average value | 223,870 | 637.44        | 44,288      | 372.31        | 179,582         | 702.82        |
| TO JAPAN                     |         |               |             |               |                 |               |
| 1981                         | 1,409   | 429.38        | 292         | 325.34        | 1,117           | 456.58        |
| 1982                         | 290     | 379.31        | 12          | 250.00        | 278             | 384.89        |
| 1983                         | 2,699   | 384.59        | 22          | 227.27        | 2,677           | 385.51        |
| 1984                         | 410     | 509.78        | 0           | --            | 410             | 509.76        |
| 1985                         | 149     | 557.05        | 0           | --            | 149             | 557.05        |
| 1986                         | 167     | 508.98        | 0           | --            | 167             | 508.98        |
| 1987                         | 606     | 613.86        | 21          | 809.52        | 585             | 606.84        |
| 1988                         | 3,719   | 222.37        | 26          | 846.15        | 3,693           | 217.98        |
| 1989                         | 10,361  | 409.81        | 1,050       | 318.10        | 9,311           | 420.15        |
| 1990                         | 11,765  | 423.88        | 725         | 384.83        | 11,040          | 426.45        |
| 1991:                        |         |               |             |               |                 |               |
| 1st quarter                  | 2,733   | 402.85        | 35          | 342.86        | 2,698           | 403.63        |
| 2d quarter                   | 1,890   | 459.26        | 50          | 600.00        | 1,840           | 455.43        |
| 3d quarter                   | 1,865   | 437.00        | 0           | --            | 1,865           | 437.00        |
| 4th quarter                  | 2,326   | 487.10        | 28          | 785.71        | 2,298           | 483.46        |
| 1991 total and average value | 8,884   | 442.37        | 113         | 566.37        | 8,771           | 440.77        |
| 1992:                        |         |               |             |               |                 |               |
| 1st quarter                  | 1,569   | 550.03        | 513         | 306.04        | 1,056           | 668.56        |
| 2d quarter                   | 854     | 564.25        | 49          | 549.34        | 805             | 565.16        |
| 3d quarter                   | 1,059   | 459.87        | 20          | 150.00        | 1,039           | 465.83        |
| 4th quarter                  | 1,119   | 638.07        | 19          | 1,473.68      | 1,100           | 623.64        |
| 1992 total and average value | 4,601   | 553.58        | 601         | 357.74        | 4,000           | 583.00        |

R = revised.

<sup>a</sup> Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California.

Source: U.S. Department of Commerce.

**Table 51--Volume and average value of softwood lumber exports from northern California ports by species and destination, 1981-92<sup>a</sup>**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Year and quarter              | Total   |               | Douglas-fir |               | Western hemlock |               | Other softwoods |               |
|-------------------------------|---------|---------------|-------------|---------------|-----------------|---------------|-----------------|---------------|
|                               | Volume  | Average value | Volume      | Average value | Volume          | Average value | Volume          | Average value |
| TO ALL COUNTRIES              |         |               |             |               |                 |               |                 |               |
| 1981                          | 47,316  | 431.12        | 7,841       | 507.97        | 12,037          | 380.49        | 27,438          | 432.03        |
| 1982                          | 52,717  | 401.65        | 13,855      | 395.89        | 7,536           | 311.84        | 31,326          | 425.84        |
| 1983                          | 43,280  | 464.83        | 18,583      | 480.71        | 5,619           | 333.87        | 19,078          | 488.21        |
| 1984                          | 23,213  | 495.46        | 10,260      | 459.45        | 617             | 405.19        | 12,336          | 529.91        |
| 1985                          | 33,091  | 435.25        | 15,340      | 452.09        | 867             | 386.39        | 16,884          | 422.47        |
| 1986                          | 43,281  | 448.49        | 16,795      | 497.29        | 4,914           | 407.20        | 21,572          | 419.90        |
| 1987                          | 72,729  | 362.39        | 18,829      | 419.03        | 7,989           | 388.28        | 45,911          | 334.65        |
| 1988                          | 115,620 | 303.58        | 24,821      | 325.49        | 18,881          | 347.55        | 71,918          | 284.48        |
| 1989                          | 76,667  | 452.48        | 7,828       | 576.78        | 12,017          | 635.60        | 56,822          | 396.62        |
| 1990                          | 74,568  | 550.02        | 7,268       | 595.21        | 11,977          | 672.96        | 55,323          | 517.47        |
| 1991                          | 110,961 | 434.23        | 10,241      | 529.15        | 18,611          | 556.02        | 82,109          | 394.78        |
| 1992:                         |         |               |             |               |                 |               |                 |               |
| 1st quarter                   | 20,305  | 409.90        | 2,686       | 677.96        | 2,856           | 590.69        | 14,763          | 326.15        |
| 2d quarter                    | 19,467  | 478.40        | 1,431       | 403.35        | 3,214           | 545.05        | 14,822          | 471.19        |
| 3d quarter                    | 17,774  | 521.21        | 2,850       | 715.79        | 4,950           | 443.23        | 9,974           | 504.31        |
| 4th quarter                   | 25,992  | 552.17        | 1,367       | 786.39        | 3,261           | 488.50        | 21,364          | 546.90        |
| 1992 total and average value  | 83,538  | 483.81        | 8,334       | 661.27        | 14,281          | 506.06        | 60,923          | 468.03        |
| TO JAPAN                      |         |               |             |               |                 |               |                 |               |
| 1981                          | 29,437  | 414.21        | 2,608       | 514.57        | 11,834          | 380.01        | 14,995          | 423.74        |
| 1982                          | 38,213  | 357.18        | 7,285       | 388.06        | 6,581           | 318.19        | 24,347          | 358.44        |
| 1983                          | 22,157  | 373.83        | 2,233       | 312.58        | 5,414           | 335.43        | 14,510          | 397.66        |
| 1984                          | 10,127  | 465.49        | 345         | 252.17        | 321             | 448.60        | 9,461           | 473.84        |
| 1985                          | 14,794  | 389.69        | 282         | 262.41        | 708             | 347.46        | 13,804          | 394.45        |
| 1986                          | 23,651  | 370.77        | 226         | 358.41        | 4,877           | 408.04        | 18,548          | 361.06        |
| 1987                          | 49,227  | 332.18        | 506         | 268.77        | 7,355           | 401.09        | 41,366          | 320.70        |
| 1988                          | 84,861  | 287.15        | 1,058       | 293.95        | 17,440          | 340.37        | 66,363          | 273.06        |
| 1989                          | 64,275  | 431.24        | 664         | 629.52        | 10,802          | 653.40        | 52,809          | 383.31        |
| 1990                          | 51,810  | 509.82        | 926         | 605.83        | 11,769          | 674.48        | 39,115          | 458.01        |
| 1991                          | 49,084  | 521.39        | 3,900       | 418.21        | 18,604          | 556.06        | 26,580          | 512.27        |
| 1992:                         |         |               |             |               |                 |               |                 |               |
| 1st quarter                   | 6,847   | 532.93        | 47          | 744.68        | 2,856           | 590.69        | 3,944           | 488.59        |
| 2d quarter                    | 6,007   | 615.93        | 4           | 1,652.11      | 3,214           | 545.05        | 2,789           | 696.06        |
| 3d quarter                    | 7,752   | 576.50        | 862         | 1,104.41      | 4,950           | 443.23        | 1,940           | 681.96        |
| 4th quarter                   | 5,901   | 524.66        | 15          | 1,133.33      | 3,261           | 488.50        | 2,625           | 566.10        |
| 1992 total and average value  | 26,507  | 562.68        | 929         | 1,087.19      | 14,281          | 506.06        | 11,297          | 591.13        |
| TO PEOPLE'S REPUBLIC OF CHINA |         |               |             |               |                 |               |                 |               |
| 1981                          | 93      | 344.09        | 0           | --            | 0               | --            | 93              | 344.09        |
| 1982                          | 22      | 318.18        | 17          | 235.29        | 0               | --            | 5               | 600.00        |
| 1983                          | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 1984                          | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 1985                          | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 1986                          | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 1987                          | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 1988                          | 95      | 673.68        | 0           | --            | 0               | --            | 95              | 673.68        |
| 1989                          | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 1990                          | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 1991                          | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 1992:                         |         |               |             |               |                 |               |                 |               |
| 1st quarter                   | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 2d quarter                    | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 3d quarter                    | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 4th quarter                   | 0       | --            | 0           | --            | 0               | --            | 0               | --            |
| 1992 total and average value  | 0       | --            | 0           | --            | 0               | --            | 0               | --            |

<sup>a</sup> Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce.

Figure 5--Lumber exports from San Francisco and Anchorage Customs Districts, 1982-92

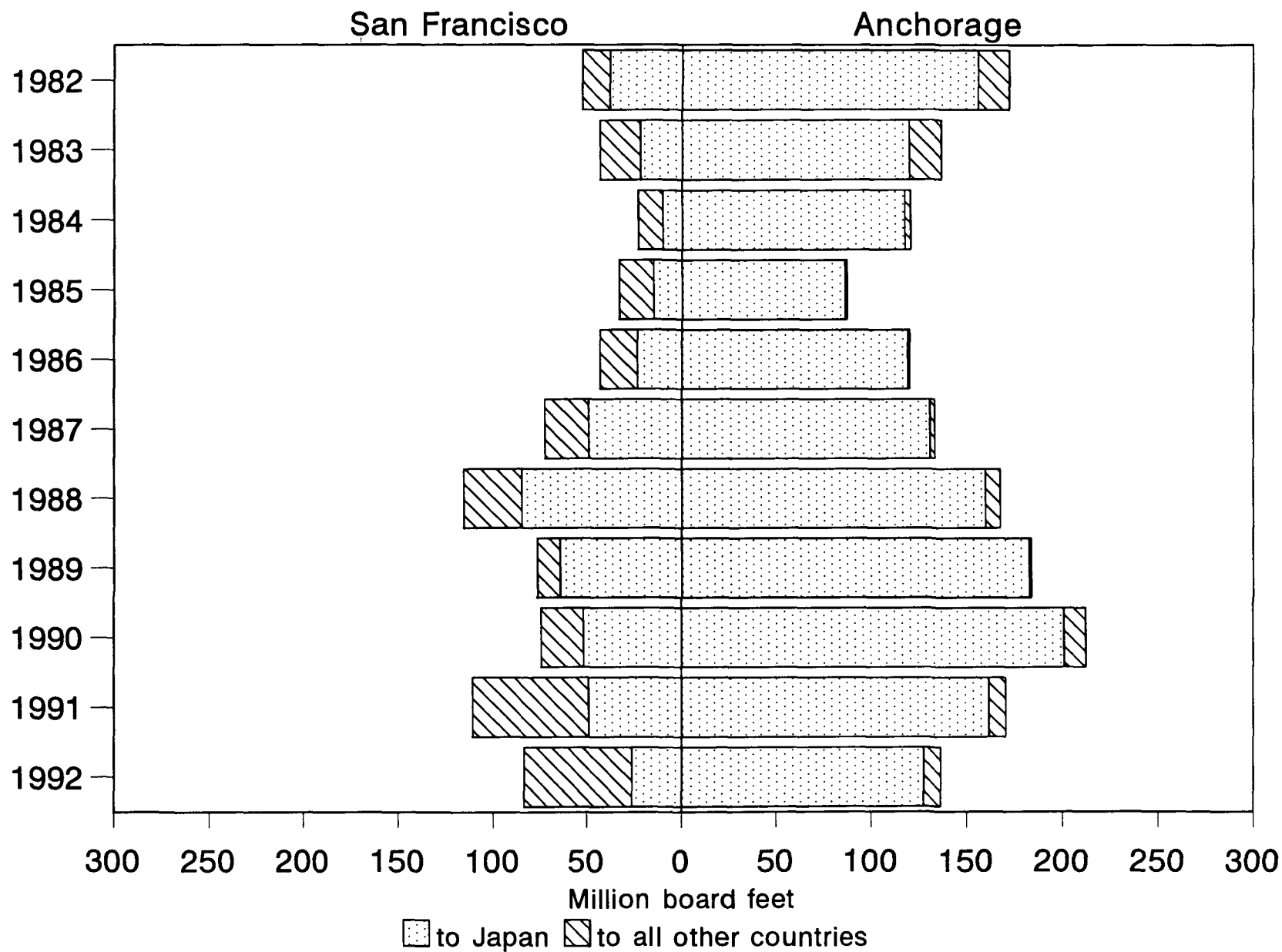


**Table 52--Volume and average value of softwood lumber exports from Anchorage Customs District by species and destination, 1981-92**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Year and quarter              | Total   |               | Western hemlock |               | Sitka spruce |               | Cedar  |               | Other softwoods |               |
|-------------------------------|---------|---------------|-----------------|---------------|--------------|---------------|--------|---------------|-----------------|---------------|
|                               | Volume  | Average value | Volume          | Average value | Volume       | Average value | Volume | Average value | Volume          | Average value |
| TO ALL COUNTRIES              |         |               |                 |               |              |               |        |               |                 |               |
| 1981                          | 195,981 | 305.70        | 104,974         | 222.39        | 91,007       | 401.79        | 0      | --            | 0               | --            |
| 1982                          | 171,966 | 340.52        | 75,500          | 286.24        | 94,805       | 381.83        | 0      | --            | 1,661           | 450.33        |
| 1983                          | 136,660 | 330.05        | 70,791          | 256.23        | 64,193       | 414.20        | 0      | --            | 1,676           | 223.75        |
| 1984                          | 120,360 | 278.23        | 75,445          | 196.74        | 44,915       | 415.10        | 0      | --            | 0               | --            |
| 1985                          | 87,127  | 264.94        | 59,426          | 219.80        | 27,701       | 361.76        | 0      | --            | 0               | --            |
| 1986                          | 119,981 | 274.28        | 72,894          | 233.89        | 43,162       | 338.75        | 918    | 343.14        | 3,007           | 306.62        |
| 1987                          | 133,144 | 292.11        | 80,253          | 241.19        | 49,085       | 374.07        | 10     | 300.00        | 3,796           | 309.01        |
| 1988                          | 167,453 | 359.27        | 98,781          | 296.81        | 64,845       | 456.24        | 113    | 300.89        | 3,714           | 329.29        |
| 1989                          | 183,760 | 380.04        | 106,055         | 333.46        | 72,870       | 456.91        | 2,532  | 209.72        | 2,302           | 280.63        |
| 1990                          | 212,010 | 397.56        | 119,231         | 364.44        | 87,776       | 453.14        | 5,002  | 211.72        | 0               | --            |
| 1991                          | 170,308 | 412.31        | 95,478          | 364.64        | 69,782       | 480.80        | 3,069  | 369.83        | 1,979           | 363.32        |
| 1992:                         |         |               |                 |               |              |               |        |               |                 |               |
| 1st quarter                   | 42,697  | 391.48        | 27,218          | 360.61        | 12,547       | 479.16        | 575    | 396.52        | 2,357           | 280.02        |
| 2d quarter                    | 32,774  | 482.09        | 20,400          | 392.79        | 12,353       | 629.79        | 0      | --            | 21              | 337.19        |
| 3d quarter                    | 26,810  | 509.70        | 14,371          | 404.15        | 12,235       | 637.27        | 0      | --            | 204             | 294.12        |
| 4th quarter                   | 34,275  | 570.62        | 19,374          | 432.80        | 14,900       | 749.93        | 0      | --            | 0               | --            |
| 1992 total and average value  | 136,556 | 481.40        | 81,363          | 393.55        | 52,036       | 629.62        | 575    | 396.52        | 2,582           | 280.40        |
| TO JAPAN                      |         |               |                 |               |              |               |        |               |                 |               |
| 1981                          | 161,794 | 313.50        | 82,753          | 215.32        | 79,041       | 416.30        | 0      | --            | 0               | --            |
| 1982                          | 155,826 | 338.04        | 71,192          | 282.34        | 83,966       | 384.92        | 0      | --            | 668             | 383.23        |
| 1983                          | 119,662 | 319.78        | 64,250          | 249.14        | 53,814       | 407.20        | 0      | --            | 1,598           | 215.89        |
| 1984                          | 117,425 | 280.16        | 72,805          | 196.57        | 44,620       | 416.58        | 0      | --            | 0               | --            |
| 1985                          | 85,981  | 265.77        | 58,280          | 220.14        | 27,701       | 361.76        | 0      | --            | 0               | --            |
| 1986                          | 118,942 | 273.53        | 72,894          | 233.89        | 43,141       | 338.31        | 0      | --            | 2,907           | 306.16        |
| 1987                          | 130,678 | 289.57        | 79,318          | 240.94        | 47,919       | 369.14        | 0      | --            | 3,441           | 302.24        |
| 1988                          | 159,804 | 353.17        | 96,686          | 296.44        | 61,404       | 443.62        | 113    | 300.89        | 1,601           | 313.55        |
| 1989                          | 182,656 | 378.20        | 106,055         | 333.46        | 71,854       | 453.20        | 2,532  | 209.72        | 2,215           | 279.91        |
| 1990                          | 200,689 | 400.65        | 114,227         | 369.54        | 85,322       | 442.51        | 1,140  | 384.21        | 0               | --            |
| 1991                          | 161,649 | 415.65        | 90,749          | 370.90        | 66,072       | 480.02        | 2,863  | 384.91        | 1,965           | 362.34        |
| 1992:                         |         |               |                 |               |              |               |        |               |                 |               |
| 1st quarter                   | 41,305  | 397.24        | 25,994          | 367.20        | 12,378       | 482.63        | 575    | 396.52        | 2,358           | 280.32        |
| 2d quarter                    | 30,550  | 473.20        | 19,195          | 403.28        | 11,355       | 591.12        | 0      | --            | 0               | --            |
| 3d quarter                    | 25,124  | 471.26        | 14,371          | 404.15        | 10,738       | 559.79        | 0      | --            | 15              | 1,400.00      |
| 4th quarter                   | 30,562  | 505.86        | 18,661          | 428.81        | 11,900       | 626.81        | 0      | --            | 0               | --            |
| 1992 total and average value  | 127,540 | 456.05        | 78,222          | 397.54        | 46,372       | 564.05        | 575    | 396.52        | 2,373           | 287.22        |
| TO PEOPLE'S REPUBLIC OF CHINA |         |               |                 |               |              |               |        |               |                 |               |
| 1981                          | 27,159  | 251.78        | 18,438          | 252.58        | 8,721        | 250.09        | 0      | --            | 0               | --            |
| 1982                          | 13,153  | 334.68        | 3,307           | 307.23        | 9,846        | 344.00        | 0      | --            | 0               | --            |
| 1983                          | 12,254  | 332.63        | 6,428           | 326.54        | 5,826        | 339.51        | 0      | --            | 0               | --            |
| 1984                          | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 1985                          | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 1986                          | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 1987                          | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 1988                          | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 1989                          | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 1990                          | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 1991                          | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 1992:                         |         |               |                 |               |              |               |        |               |                 |               |
| 1st quarter                   | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 2d quarter                    | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 3d quarter                    | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 4th quarter                   | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |
| 1992 total and average value  | 0       | --            | 0               | --            | 0            | --            | 0      | --            | 0               | --            |

Source: U.S. Department of Commerce.

**Table 53—Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, 1992**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and species           | Destination   |               |         |               |                            |               |        |               |        |               |
|----------------------------|---------------|---------------|---------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                            | All countries |               | Japan   |               | People's Republic of China |               | Korea  |               | Canada |               |
|                            | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| <b>Aberdeen-Hoquiam:</b>   |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                | 3,243         | 548.39        | 3,243   | 548.39        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                     | 525           | 213.63        | 52      | 1,335.22      | 0                          | --            | 473    | 90.02         | 0      | --            |
| Hemlock                    | 24,480        | 330.10        | 18,264  | 378.07        | 0                          | --            | 6,216  | 189.14        | 0      | --            |
| Spruce                     | 556           | 368.33        | 556     | 368.33        | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods            | 7,388         | 452.01        | 7,358   | 451.81        | 0                          | --            | 0      | --            | 30     | 501.38        |
| All softwoods              | 36,192        | 373.44        | 29,473  | 416.73        | 0                          | --            | 6,689  | 182.13        | 30     | 501.38        |
| Red alder                  | 7,536         | 942.94        | 7,536   | 942.94        | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods              | 9,469         | 1,018.61      | 9,469   | 1,018.61      | 0                          | --            | 0      | --            | 0      | --            |
| <b>Anacortes:</b>          |               |               |         |               |                            |               |        |               |        |               |
| Other firs                 | 174           | 323.35        | 0       | --            | 0                          | --            | 0      | --            | 174    | 323.35        |
| <b>Everett:</b>            |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                | 1,808         | 249.92        | 1,808   | 249.92        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                    | 1,364         | 280.50        | 1,364   | 280.50        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods              | 3,172         | 263.07        | 3,172   | 263.07        | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods              | 10            | 1,180.00      | 0       | --            | 0                          | --            | 10     | 1,180.00      | 0      | --            |
| <b>Port Angeles:</b>       |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                | 502           | 476.81        | 0       | --            | 0                          | --            | 0      | --            | 502    | 476.81        |
| Other firs                 | 109           | 552.75        | 0       | --            | 0                          | --            | 0      | --            | 109    | 552.75        |
| Cedars                     | 3             | 1,718.47      | 0       | --            | 0                          | --            | 0      | --            | 3      | 1,718.47      |
| Other softwoods            | 37            | 261.24        | 0       | --            | 0                          | --            | 0      | --            | 37     | 261.24        |
| All softwoods              | 651           | 482.06        | 0       | --            | 0                          | --            | 0      | --            | 651    | 482.06        |
| All hardwoods              | 20            | 2,893.11      | 0       | --            | 0                          | --            | 0      | --            | 20     | 2,893.11      |
| <b>Seattle:</b>            |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                | 61,482        | 538.08        | 55,317  | 530.05        | 290                        | 370.59        | 1,956  | 472.42        | 0      | --            |
| Other firs                 | 12,551        | 494.70        | 11,706  | 504.51        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                     | 15,413        | 769.19        | 13,978  | 729.48        | 0                          | --            | 537    | 812.44        | 0      | --            |
| Hemlock                    | 67,896        | 443.48        | 62,464  | 447.92        | 0                          | --            | 393    | 522.12        | 0      | --            |
| Spruce                     | 6,332         | 512.43        | 3,580   | 485.37        | 0                          | --            | 2,646  | 547.87        | 0      | --            |
| Pines                      | 11,565        | 598.61        | 10,184  | 621.45        | 0                          | --            | 191    | 603.34        | 0      | --            |
| Redwood                    | 1,252         | 671.02        | 818     | 554.23        | 0                          | --            | 149    | 804.02        | 0      | --            |
| Other softwoods            | 33,603        | 557.06        | 19,534  | 425.28        | 0                          | --            | 2,422  | 901.62        | 0      | --            |
| All softwoods              | 210,094       | 528.26        | 177,582 | 508.10        | 290                        | 370.59        | 8,294  | 655.17        | 0      | --            |
| Red alder                  | 26,915        | 1,151.15      | 6,208   | 1,105.78      | 17                         | 279.34        | 518    | 541.99        | 0      | --            |
| All hardwoods              | 55,359        | 1,203.52      | 24,331  | 1,268.00      | 333                        | 634.60        | 6,749  | 1,067.29      | 8      | 1,932.58      |
| <b>Tacoma:<sup>a</sup></b> |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                | 96,119        | 530.64        | 91,872  | 523.88        | 0                          | --            | 0      | --            | 0      | --            |
| Other firs                 | 12,461        | 584.65        | 12,239  | 589.51        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                     | 2,075         | 812.76        | 1,503   | 874.58        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                    | 102,260       | 420.35        | 100,346 | 423.10        | 0                          | --            | 18     | 1,069.30      | 0      | --            |
| Spruce                     | 5,835         | 429.76        | 5,835   | 429.76        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                      | 12,411        | 650.38        | 12,001  | 655.23        | 0                          | --            | 53     | 1,534.08      | 0      | --            |
| Redwood                    | 194           | 867.91        | 156     | 1,013.23      | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods            | 56,675        | 388.05        | 54,773  | 395.60        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods              | 288,030       | 471.12        | 278,724 | 471.12        | 0                          | --            | 71     | 1,414.40      | 0      | --            |
| Red alder                  | 9,138         | 799.52        | 5,054   | 989.15        | 0                          | --            | 113    | 594.35        | 0      | --            |
| All hardwoods              | 13,556        | 924.28        | 7,370   | 1,071.35      | 0                          | --            | 687    | 1,070.65      | 0      | --            |

**Table 53--Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, 1992 (continued)**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and species          | Destination   |               |         |               |                            |               |        |               |         |               |
|---------------------------|---------------|---------------|---------|---------------|----------------------------|---------------|--------|---------------|---------|---------------|
|                           | All countries |               | Japan   |               | People's Republic of China |               | Korea  |               | Canada  |               |
|                           | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume | Average value | Volume  | Average value |
| Other ports: <sup>b</sup> |               |               |         |               |                            |               |        |               |         |               |
| Douglas-fir               | 81,310        | 527.31        | 1,369   | 402.19        | 0                          | --            | 0      | --            | 72,450  | 518.07        |
| Other firs                | 12,514        | 354.23        | 48      | 332.80        | 0                          | --            | 0      | --            | 9,924   | 358.75        |
| Cedars                    | 13,483        | 451.90        | 107     | 842.15        | 0                          | --            | 0      | --            | 12,725  | 441.34        |
| Hemlock                   | 13,446        | 409.02        | 3,076   | 335.59        | 0                          | --            | 0      | --            | 6,667   | 438.41        |
| Spruce                    | 477           | 333.15        | 0       | --            | 0                          | --            | 0      | --            | 477     | 333.15        |
| Pines                     | 11,099        | 509.47        | 5       | 2,510.18      | 0                          | --            | 0      | --            | 10,394  | 511.65        |
| Redwood                   | 494           | 598.17        | 33      | 800.16        | 0                          | --            | 0      | --            | 435     | 579.61        |
| Other softwoods           | 24,885        | 369.51        | 15      | 644.80        | 0                          | --            | 0      | --            | 17,732  | 400.67        |
| All softwoods             | 157,709       | 470.53        | 4,652   | 373.28        | 0                          | --            | 0      | --            | 130,803 | 477.56        |
| Red alder                 | 998           | 1,116.72      | 0       | --            | 0                          | --            | 0      | --            | 440     | 785.73        |
| All hardwoods             | 17,125        | 1,017.59      | 14      | 879.64        | 0                          | --            | 150    | 1,200.00      | 15,933  | 1,009.29      |
| Total:                    |               |               |         |               |                            |               |        |               |         |               |
| Douglas-fir               | 244,463       | 529.45        | 153,608 | 522.31        | 290                        | 370.59        | 1,956  | 472.42        | 72,591  | 517.79        |
| Other firs                | 37,810        | 477.23        | 23,993  | 547.52        | 0                          | --            | 0      | --            | 10,207  | 360.23        |
| Cedars                    | 31,498        | 627.06        | 15,639  | 746.21        | 0                          | --            | 1,010  | 474.26        | 12,728  | 441.59        |
| Hemlock                   | 209,446       | 415.66        | 185,514 | 424.53        | 0                          | --            | 6,627  | 211.30        | 6,667   | 438.41        |
| Spruce                    | 13,200        | 463.34        | 9,972   | 446.30        | 0                          | --            | 2,646  | 547.87        | 477     | 333.15        |
| Pines                     | 35,075        | 588.72        | 22,190  | 640.12        | 0                          | --            | 243    | 804.41        | 10,394  | 511.65        |
| Redwood                   | 1,940         | 672.11        | 1,006   | 633.13        | 0                          | --            | 149    | 804.02        | 435     | 579.61        |
| Other softwoods           | 122,588       | 434.43        | 81,681  | 407.81        | 0                          | --            | 2,422  | 901.62        | 17,799  | 400.55        |
| All softwoods             | 696,021       | 482.19        | 493,603 | 478.92        | 290                        | 370.59        | 15,053 | 448.55        | 131,658 | 477.39        |
| Red alder                 | 44,586        | 1,043.12      | 18,798  | 1,009.15      | 17                         | 279.34        | 631    | 551.35        | 440     | 785.73        |
| All hardwoods             | 95,549        | 1,112.58      | 41,185  | 1,175.34      | 333                        | 634.60        | 7,596  | 1,070.37      | 15,961  | 1,012.13      |

<sup>a</sup> Includes a small amount exported from the Port of Olympia.

<sup>b</sup> Bellingham, Blaine, Boundary, Danville, Frontier, Laurier, Lynden, Metaline Falls, Oroville, and Sumas.

Source: U.S. Department of Commerce.

**Table 54--Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, fourth quarter 1992**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and species         | Destination   |               |        |               |                            |               |        |               |        |               |
|--------------------------|---------------|---------------|--------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                          | All countries |               | Japan  |               | People's Republic of China |               | Korea  |               | Canada |               |
|                          | Volume        | Average value | Volume | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| <b>Aberdeen-Hoquiam:</b> |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 943           | 692.38        | 943    | 692.38        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                   | 34            | 1,120.97      | 34     | 1,120.97      | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                  | 6,250         | 401.46        | 5,550  | 435.70        | 0                          | --            | 700    | 130.03        | 0      | --            |
| Spruce                   | 285           | 386.03        | 285    | 386.03        | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods          | 2,337         | 460.30        | 2,307  | 459.76        | 0                          | --            | 0      | --            | 30     | 501.38        |
| All softwoods            | 9,849         | 445.31        | 9,119  | 469.33        | 0                          | --            | 700    | 130.03        | 30     | 501.38        |
| Red alder                | 1,197         | 1,023.11      | 1,197  | 1,023.11      | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods            | 1,653         | 1,191.97      | 1,653  | 1,191.97      | 0                          | --            | 0      | --            | 0      | --            |
| <b>Everett:</b>          |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 206           | 649.59        | 206    | 649.59        | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods            | 10            | 1,180.00      | 0      | --            | 0                          | --            | 10     | 1,180.00      | 0      | --            |
| <b>Port Angeles:</b>     |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 86            | 357.97        | 0      | --            | 0                          | --            | 0      | --            | 86     | 357.97        |
| Other firs               | 41            | 374.70        | 0      | --            | 0                          | --            | 0      | --            | 41     | 374.70        |
| All softwoods            | 128           | 363.36        | 0      | --            | 0                          | --            | 0      | --            | 128    | 363.36        |
| All hardwoods            | 4             | 1,506.86      | 0      | --            | 0                          | --            | 0      | --            | 4      | 1,506.86      |
| <b>Seattle:</b>          |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 17,935        | 526.93        | 15,756 | 517.00        | 290                        | 370.59        | 773    | 596.56        | 0      | --            |
| Other firs               | 3,499         | 457.15        | 3,499  | 457.15        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                   | 4,046         | 850.20        | 3,614  | 805.53        | 0                          | --            | 70     | 696.10        | 0      | --            |
| Hemlock                  | 18,222        | 439.85        | 16,535 | 452.05        | 0                          | --            | 98     | 431.69        | 0      | --            |
| Spruce                   | 976           | 651.85        | 793    | 717.54        | 0                          | --            | 166    | 384.75        | 0      | --            |
| Pines                    | 2,535         | 566.59        | 1,838  | 623.77        | 0                          | --            | 154    | 676.42        | 0      | --            |
| Redwood                  | 566           | 837.38        | 508    | 746.95        | 0                          | --            | 14     | 621.79        | 0      | --            |
| Other softwoods          | 8,642         | 505.33        | 5,906  | 407.00        | 0                          | --            | 184    | 1,237.46      | 0      | --            |
| All softwoods            | 56,422        | 521.41        | 48,449 | 508.37        | 290                        | 370.59        | 1,459  | 655.55        | 0      | --            |
| Red alder                | 8,722         | 1,158.66      | 1,951  | 999.36        | 0                          | --            | 65     | 963.89        | 0      | --            |
| All hardwoods            | 14,426        | 1,207.38      | 5,755  | 1,208.67      | 34                         | 999.17        | 1,039  | 1,091.90      | 8      | 1,932.58      |
| <b>Tacoma:</b>           |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir              | 25,788        | 573.00        | 24,861 | 563.50        | 0                          | --            | 0      | --            | 0      | --            |
| Other firs               | 2,650         | 657.61        | 2,621  | 660.85        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                   | 367           | 985.90        | 313    | 972.66        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                  | 28,840        | 422.83        | 28,456 | 425.54        | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                   | 1,771         | 426.72        | 1,771  | 426.72        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                    | 3,580         | 734.18        | 3,360  | 742.09        | 0                          | --            | 53     | 1,534.08      | 0      | --            |
| Other softwoods          | 16,112        | 408.76        | 16,036 | 405.99        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods            | 79,108        | 493.57        | 77,417 | 489.74        | 0                          | --            | 53     | 1,534.08      | 0      | --            |
| Red alder                | 1,441         | 834.76        | 756    | 1,013.51      | 0                          | --            | 39     | 598.43        | 0      | --            |
| All hardwoods            | 2,985         | 1,029.02      | 1,339  | 1,098.53      | 0                          | --            | 613    | 1,128.55      | 0      | --            |

**Table 54—Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, fourth quarter 1992 (continued)**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and species          | Destination   |               |         |               |                            |               |        |               |        |               |
|---------------------------|---------------|---------------|---------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                           | All countries |               | Japan   |               | People's Republic of China |               | Korea  |               | Canada |               |
|                           | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| Other ports: <sup>a</sup> |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir               | 13,850        | 558.67        | 135     | 433.53        | 0                          | --            | 0      | --            | 11,247 | 531.49        |
| Other firs                | 1,974         | 350.12        | 0       | --            | 0                          | --            | 0      | --            | 1,097  | 371.61        |
| Cedars                    | 4,128         | 424.86        | 19      | 1,038.02      | 0                          | --            | 0      | --            | 3,939  | 418.75        |
| Hemlock                   | 3,831         | 389.30        | 1,282   | 288.53        | 0                          | --            | 0      | --            | 2,102  | 418.65        |
| Spruce                    | 86            | 364.90        | 0       | --            | 0                          | --            | 0      | --            | 86     | 364.90        |
| Pines                     | 2,966         | 486.61        | 5       | 2,510.18      | 0                          | --            | 0      | --            | 2,961  | 483.42        |
| Redwood                   | 75            | 664.97        | 0       | --            | 0                          | --            | 0      | --            | 47     | 671.99        |
| Other softwoods           | 5,861         | 315.33        | 0       | --            | 0                          | --            | 0      | --            | 2,933  | 487.10        |
| All softwoods             | 32,769        | 459.14        | 1,440   | 319.00        | 0                          | --            | 0      | --            | 24,414 | 484.92        |
| Red alder                 | 97            | 1,490.24      | 0       | --            | 0                          | --            | 0      | --            | 38     | 1,037.18      |
| All hardwoods             | 3,236         | 1,148.13      | 0       | --            | 0                          | --            | 0      | --            | 3,132  | 1,129.60      |
| Total:                    |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir               | 58,808        | 557.44        | 41,900  | 548.92        | 290                        | 370.59        | 773    | 596.56        | 11,334 | 530.16        |
| Other firs                | 8,164         | 495.93        | 6,120   | 544.39        | 0                          | --            | 0      | --            | 1,138  | 371.72        |
| Cedars                    | 8,575         | 652.23        | 3,979   | 822.44        | 0                          | --            | 70     | 696.10        | 3,939  | 418.75        |
| Hemlock                   | 57,144        | 423.68        | 51,822  | 431.70        | 0                          | --            | 798    | 167.18        | 2,102  | 418.65        |
| Spruce                    | 3,118         | 491.80        | 2,849   | 503.62        | 0                          | --            | 166    | 384.75        | 86     | 364.90        |
| Pines                     | 9,081         | 606.54        | 5,203   | 701.87        | 0                          | --            | 207    | 894.35        | 2,961  | 483.42        |
| Redwood                   | 641           | 817.32        | 508     | 746.95        | 0                          | --            | 14     | 621.79        | 47     | 671.99        |
| Other softwoods           | 32,952        | 421.13        | 24,248  | 411.35        | 0                          | --            | 184    | 1,237.46      | 2,963  | 487.25        |
| All softwoods             | 178,482       | 493.48        | 136,631 | 493.43        | 290                        | 370.59        | 2,212  | 510.11        | 24,571 | 484.31        |
| Red alder                 | 11,458        | 1,106.59      | 3,904   | 1,009.38      | 0                          | --            | 104    | 828.15        | 38     | 1,037.18      |
| All hardwoods             | 22,315        | 1,173.83      | 8,747   | 1,188.66      | 34                         | 999.17        | 1,662  | 1,105.95      | 3,144  | 1,132.06      |

<sup>a</sup> Blaine, Boundary, Frontier, Laurier, Lynden, Oroville, Spokane, and Sumas.

Source: U.S. Department of Commerce.

**Table 55—Volume and average value of lumber exports by port, species, and destination, Columbia-Snake Customs District, 1992**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and species              | Destination   |               |         |               |                            |               |        |               |        |               |
|-------------------------------|---------------|---------------|---------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                               | All countries |               | Japan   |               | People's Republic of China |               | Korea  |               | Taiwan |               |
|                               | Volume        | Average value | Volume  | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| <b>Astoria:</b>               |               |               |         |               |                            |               |        |               |        |               |
| Cedars                        | 6             | 871.38        | 6       | 871.38        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                         | 120           | 385.54        | 120     | 385.54        | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods               | 348           | 567.18        | 348     | 567.18        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                 | 474           | 524.61        | 474     | 524.61        | 0                          | --            | 0      | --            | 0      | --            |
| <b>Coos Bay:</b>              |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 152,992       | 723.41        | 34,943  | 568.24        | 0                          | --            | 0      | --            | 0      | --            |
| Other firs                    | 2,648         | 444.10        | 229     | 1,001.98      | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                        | 404           | 765.98        | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                       | 2,859         | 329.64        | 1,184   | 298.47        | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                        | 374           | 200.45        | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| Pines                         | 5,480         | 464.15        | 42      | 572.12        | 0                          | --            | 0      | --            | 0      | --            |
| Redwood                       | 1,468         | 1,286.28      | 645     | 1,723.04      | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods               | 6,375         | 451.93        | 53      | 337.52        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                 | 172,600       | 698.10        | 37,097  | 582.06        | 0                          | --            | 0      | --            | 0      | --            |
| Red alder                     | 54            | 1,168.20      | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods                 | 397           | 1,258.06      | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| <b>Longview (Washington):</b> |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 76,103        | 551.43        | 66,526  | 497.08        | 0                          | --            | 0      | --            | 0      | --            |
| Other firs                    | 1,117         | 579.46        | 686     | 568.54        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                        | 158           | 560.84        | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                       | 24,993        | 407.00        | 24,914  | 407.65        | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                        | 314           | 290.91        | 243     | 317.61        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                         | 4,788         | 573.03        | 283     | 358.24        | 0                          | --            | 0      | --            | 0      | --            |
| Redwood                       | 314           | 1,774.58      | 139     | 2,004.29      | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods               | 8,667         | 460.27        | 8,446   | 435.61        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                 | 116,456       | 517.42        | 101,236 | 471.68        | 0                          | --            | 0      | --            | 0      | --            |
| Red alder                     | 93            | 864.71        | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods                 | 94            | 880.29        | 0       | --            | 0                          | --            | 0      | --            | 0      | --            |
| <b>Portland:</b>              |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 199,622       | 618.11        | 94,235  | 549.91        | 0                          | --            | 0      | --            | 1,422  | 648.03        |
| Other firs                    | 17,692        | 679.97        | 16,119  | 700.08        | 0                          | --            | 0      | --            | 299    | 282.50        |
| Cedars                        | 7,027         | 600.37        | 409     | 806.58        | 0                          | --            | 0      | --            | 73     | 1,706.68      |
| Hemlock                       | 56,821        | 500.75        | 53,912  | 501.75        | 0                          | --            | 298    | 375.56        | 561    | 365.67        |
| Spruce                        | 1,592         | 316.19        | 893     | 390.89        | 0                          | --            | 0      | --            | 450    | 217.00        |
| Pines                         | 11,387        | 557.73        | 6,749   | 564.30        | 0                          | --            | 0      | --            | 179    | 487.43        |
| Redwood                       | 934           | 1,212.61      | 723     | 1,343.93      | 0                          | --            | 0      | --            | 173    | 734.60        |
| Other softwoods               | 35,942        | 424.22        | 31,853  | 427.38        | 0                          | --            | 0      | --            | 720    | 347.53        |
| All softwoods                 | 331,016       | 577.99        | 204,892 | 533.10        | 0                          | --            | 298    | 375.56        | 3,877  | 489.53        |
| Red alder                     | 9,508         | 1,012.54      | 3,425   | 985.10        | 0                          | --            | 196    | 678.11        | 1,291  | 563.10        |
| All hardwoods                 | 19,811        | 1,085.59      | 9,627   | 1,101.93      | 0                          | --            | 515    | 547.79        | 2,467  | 645.79        |
| <b>Total:</b>                 |               |               |         |               |                            |               |        |               |        |               |
| Douglas-fir                   | 428,717       | 643.85        | 195,704 | 535.23        | 0                          | --            | 0      | --            | 1,422  | 648.03        |
| Other firs                    | 21,458        | 645.62        | 17,034  | 698.85        | 0                          | --            | 0      | --            | 299    | 282.50        |
| Cedars                        | 7,595         | 608.55        | 414     | 807.44        | 0                          | --            | 0      | --            | 73     | 1,706.68      |
| Hemlock                       | 84,673        | 467.30        | 80,010  | 469.44        | 0                          | --            | 298    | 375.56        | 561    | 365.67        |
| Spruce                        | 2,280         | 293.72        | 1,136   | 375.23        | 0                          | --            | 0      | --            | 450    | 217.00        |
| Pines                         | 21,775        | 536.59        | 7,194   | 553.26        | 0                          | --            | 0      | --            | 179    | 487.43        |
| Redwood                       | 2,716         | 1,317.47      | 1,507   | 1,567.11      | 0                          | --            | 0      | --            | 173    | 734.60        |
| Other softwoods               | 51,332        | 434.72        | 40,700  | 430.16        | 0                          | --            | 0      | --            | 720    | 347.53        |
| All softwoods                 | 620,546       | 599.99        | 343,699 | 520.28        | 0                          | --            | 298    | 375.56        | 3,877  | 489.53        |
| Red alder                     | 9,655         | 1,011.99      | 3,425   | 985.10        | 0                          | --            | 196    | 678.11        | 1,291  | 563.10        |
| All hardwoods                 | 20,302        | 1,088.01      | 9,627   | 1,101.93      | 0                          | --            | 515    | 547.79        | 2,467  | 645.79        |

Source: U.S. Department of Commerce.

**Table 56--Volume and average value of lumber exports by port, species, and destination, Columbia-Snake Customs District, fourth quarter 1992**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and species                          | Destination   |               |        |               |                            |               |        |               |        |               |
|-------------------------------------------|---------------|---------------|--------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                                           | All countries |               | Japan  |               | People's Republic of China |               | Korea  |               | Taiwan |               |
|                                           | Volume        | Average value | Volume | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| <b>Astoria:</b>                           |               |               |        |               |                            |               |        |               |        |               |
| Cedars                                    | 6             | 871.38        | 6      | 871.38        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                                     | 120           | 385.54        | 120    | 385.54        | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods                           | 348           | 567.18        | 348    | 567.18        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                             | 474           | 524.61        | 474    | 524.61        | 0                          | --            | 0      | --            | 0      | --            |
| <b>Coos Bay:</b>                          |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir                               | 34,259        | 732.79        | 10,463 | 644.41        | 0                          | --            | 0      | --            | 0      | --            |
| Other firs                                | 686           | 544.93        | 220    | 1,008.12      | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                                    | 19            | 1,856.38      | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                                   | 40            | 503.40        | 21     | 371.24        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                                     | 3,949         | 441.49        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Redwood                                   | 294           | 1,061.83      | 151    | 1,202.47      | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods                           | 2,037         | 469.31        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                             | 41,284        | 691.45        | 10,855 | 659.03        | 0                          | --            | 0      | --            | 0      | --            |
| Red alder                                 | 54            | 1,168.20      | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods                             | 155           | 1,286.60      | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| <b>Longview (Washington):<sup>a</sup></b> |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir                               | 25,028        | 567.62        | 23,674 | 573.78        | 0                          | --            | 0      | --            | 0      | --            |
| Other firs                                | 319           | 956.61        | 234    | 742.01        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock                                   | 7,867         | 435.58        | 7,788  | 437.94        | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                                    | 67            | 313.67        | 67     | 313.67        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                                     | 4,520         | 589.55        | 14     | 1,539.55      | 0                          | --            | 0      | --            | 0      | --            |
| Redwood                                   | 144           | 2,014.93      | 54     | 1,915.21      | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods                           | 5,015         | 399.77        | 4,983  | 398.98        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods                             | 42,960        | 533.51        | 36,814 | 524.31        | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods                             | 1             | 2,017.80      | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| <b>Portland:</b>                          |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir                               | 50,502        | 678.61        | 21,222 | 588.93        | 0                          | --            | 0      | --            | 539    | 663.14        |
| Other firs                                | 4,274         | 756.14        | 3,848  | 788.38        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                                    | 2,559         | 571.18        | 172    | 699.53        | 0                          | --            | 0      | --            | 3      | 987.27        |
| Hemlock                                   | 6,964         | 512.20        | 6,020  | 501.98        | 0                          | --            | 197    | 425.54        | 56     | 196.20        |
| Spruce                                    | 1,047         | 272.09        | 403    | 353.18        | 0                          | --            | 0      | --            | 450    | 217.00        |
| Pines                                     | 5,014         | 655.66        | 2,256  | 677.57        | 0                          | --            | 0      | --            | 42     | 585.14        |
| Redwood                                   | 101           | 860.62        | 20     | 978.42        | 0                          | --            | 0      | --            | 81     | 831.02        |
| Other softwoods                           | 11,180        | 400.90        | 9,378  | 406.26        | 0                          | --            | 0      | --            | 453    | 266.95        |
| All softwoods                             | 81,642        | 620.68        | 43,320 | 558.07        | 0                          | --            | 197    | 425.54        | 1,624  | 419.62        |
| Red alder                                 | 3,747         | 1,017.06      | 1,035  | 926.53        | 0                          | --            | 67     | 971.30        | 471    | 560.68        |
| All hardwoods                             | 6,246         | 1,080.47      | 2,544  | 1,059.94      | 0                          | --            | 67     | 971.30        | 752    | 681.97        |
| <b>Total:</b>                             |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir                               | 109,789       | 670.22        | 55,359 | 592.93        | 0                          | --            | 0      | --            | 539    | 663.14        |
| Other firs                                | 5,278         | 740.81        | 4,302  | 797.09        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                                    | 2,584         | 581.31        | 178    | 704.85        | 0                          | --            | 0      | --            | 3      | 987.27        |
| Hemlock                                   | 14,871        | 471.64        | 13,829 | 465.72        | 0                          | --            | 197    | 425.54        | 56     | 196.20        |
| Spruce                                    | 1,114         | 274.58        | 469    | 347.54        | 0                          | --            | 0      | --            | 450    | 217.00        |
| Pines                                     | 13,603        | 569.13        | 2,391  | 668.07        | 0                          | --            | 0      | --            | 42     | 585.14        |
| Redwood                                   | 540           | 1,279.19      | 225    | 1,352.40      | 0                          | --            | 0      | --            | 81     | 831.02        |
| Other softwoods                           | 18,581        | 411.21        | 14,710 | 407.60        | 0                          | --            | 0      | --            | 453    | 266.95        |
| All softwoods                             | 166,360       | 615.46        | 91,464 | 556.29        | 0                          | --            | 197    | 425.54        | 1,624  | 419.62        |
| Red alder                                 | 3,802         | 1,019.22      | 1,035  | 926.53        | 0                          | --            | 67     | 971.30        | 471    | 560.68        |
| All hardwoods                             | 6,403         | 1,085.65      | 2,544  | 1,059.94      | 0                          | --            | 67     | 971.30        | 752    | 681.97        |

<sup>a</sup> Includes a small amount exported from the Port of Vancouver.

Source: U.S. Department of Commerce.

**Table 57—Volume and average value of lumber exports by port, species, and destination, San Francisco Customs District, 1992**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and species      | Destination   |               |        |               |                            |               |        |               |        |               |
|-----------------------|---------------|---------------|--------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                       | All countries |               | Japan  |               | People's Republic of China |               | Korea  |               | Taiwan |               |
|                       | Volume        | Average value | Volume | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| <b>Eureka:</b>        |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir           | 15            | 1,703.92      | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Other firs            | 4             | 1,704.18      | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                | 3,511         | 566.25        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Pines                 | 9,420         | 568.34        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Redwood               | 24,293        | 430.32        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods         | 37,243        | 478.69        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods         | 69            | 1,514.89      | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| <b>Oakland:</b>       |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir           | 4,844         | 726.95        | 905    | 1,096.16      | 0                          | --            | 0      | --            | 78     | 346.86        |
| Other firs            | 3,552         | 475.37        | 3,250  | 486.87        | 0                          | --            | 0      | --            | 175    | 203.89        |
| Cedars                | 5,650         | 597.18        | 5,517  | 591.24        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock               | 14,140        | 501.57        | 14,140 | 501.57        | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                | 697           | 212.41        | 697    | 212.41        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                 | 745           | 745.06        | 728    | 754.31        | 0                          | --            | 0      | --            | 17     | 347.51        |
| Redwood               | 1,089         | 1,118.43      | 547    | 1,346.27      | 0                          | --            | 221    | 664.09        | 11     | 580.56        |
| Other softwoods       | 10,588        | 362.68        | 2,419  | 788.81        | 0                          | --            | 47     | 531.53        | 0      | --            |
| All softwoods         | 41,306        | 518.99        | 28,204 | 576.89        | 0                          | --            | 268    | 640.84        | 281    | 266.44        |
| Red alder             | 61            | 1,650.97      | 13     | 1,294.88      | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods         | 9,193         | 1,216.45      | 7,960  | 1,214.98      | 29                         | 520.59        | 169    | 1,000.55      | 496    | 844.65        |
| <b>San Francisco:</b> |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir           | 3,453         | 566.67        | 24     | 778.01        | 0                          | --            | 0      | --            | 0      | --            |
| Other firs            | 11            | 480.74        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                | 70            | 1,480.39      | 46     | 986.52        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock               | 140           | 956.98        | 140    | 956.98        | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                | 1,162         | 224.81        | 20     | 919.42        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                 | 28            | 805.55        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Redwood               | 2,045         | 541.49        | 50     | 874.00        | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods       | 306           | 351.05        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods         | 7,217         | 512.62        | 281    | 928.87        | 0                          | --            | 0      | --            | 0      | --            |
| Red alder             | 24            | 520.17        | 0      | --            | 24                         | 520.17        | 0      | --            | 0      | --            |
| All hardwoods         | 109           | 879.01        | 0      | --            | 24                         | 520.17        | 0      | --            | 49     | 725.39        |
| <b>Other:</b>         |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir           | 22            | 375.91        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| All hardwoods         | 12            | 1,779.78      | 12     | 1,779.78      | 0                          | --            | 0      | --            | 0      | --            |
| <b>Total:</b>         |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir           | 8,334         | 661.33        | 929    | 1,087.89      | 0                          | --            | 0      | --            | 78     | 346.86        |
| Other firs            | 3,567         | 476.70        | 3,250  | 486.87        | 0                          | --            | 0      | --            | 175    | 203.89        |
| Cedars                | 5,721         | 608.04        | 5,562  | 594.49        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock               | 14,281        | 506.04        | 14,281 | 506.04        | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                | 5,371         | 446.44        | 718    | 232.45        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                 | 10,193        | 581.91        | 728    | 754.31        | 0                          | --            | 0      | --            | 17     | 347.51        |
| Redwood               | 27,427        | 465.93        | 597    | 1,306.72      | 0                          | --            | 221    | 664.09        | 11     | 580.56        |
| Other softwoods       | 10,894        | 362.35        | 2,419  | 788.81        | 0                          | --            | 47     | 531.53        | 0      | --            |
| All softwoods         | 85,788        | 500.92        | 28,484 | 580.36        | 0                          | --            | 268    | 640.84        | 281    | 266.44        |
| Red alder             | 85            | 1,334.34      | 13     | 1,294.88      | 24                         | 520.17        | 0      | --            | 0      | --            |
| All hardwoods         | 9,383         | 1,215.43      | 7,972  | 1,215.82      | 53                         | 285.48        | 169    | 1,000.55      | 545    | 833.89        |

Source: U.S. Department of Commerce.

**Table 58--Volume and average value of lumber exports by port, species, and destination, San Francisco Customs District, fourth quarter 1992**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and species      | Destination   |               |        |               |                            |               |        |               |        |               |
|-----------------------|---------------|---------------|--------|---------------|----------------------------|---------------|--------|---------------|--------|---------------|
|                       | All countries |               | Japan  |               | People's Republic of China |               | Korea  |               | Taiwan |               |
|                       | Volume        | Average value | Volume | Average value | Volume                     | Average value | Volume | Average value | Volume | Average value |
| <b>Eureka:</b>        |               |               |        |               |                            |               |        |               |        |               |
| Spruce                | 3,511         | 566.25        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Pines                 | 9,420         | 568.34        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Redwood               | 2,594         | 535.34        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods         | 15,526        | 562.35        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| <b>Oakland:</b>       |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir           | 1,052         | 825.86        | 15     | 1,124.17      | 0                          | --            | 0      | --            | 78     | 346.86        |
| Other firs            | 714           | 432.48        | 653    | 403.38        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                | 1,482         | 585.16        | 1,451  | 585.03        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock               | 3,178         | 472.94        | 3,178  | 472.94        | 0                          | --            | 0      | --            | 0      | --            |
| Pines                 | 378           | 537.16        | 378    | 537.16        | 0                          | --            | 0      | --            | 0      | --            |
| Redwood               | 298           | 893.03        | 98     | 1,070.54      | 0                          | --            | 146    | 671.44        | 0      | --            |
| Other softwoods       | 1,811         | 481.72        | 874    | 757.46        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods         | 8,912         | 548.58        | 6,647  | 541.95        | 0                          | --            | 146    | 671.44        | 78     | 346.86        |
| All hardwoods         | 1,737         | 1,218.98      | 1,364  | 1,252.04      | 0                          | --            | 73     | 654.77        | 117    | 791.52        |
| <b>San Francisco:</b> |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir           | 315           | 653.59        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                | 24            | 1,380.01      | 24     | 1,380.01      | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock               | 83            | 1,087.53      | 83     | 1,087.53      | 0                          | --            | 0      | --            | 0      | --            |
| Redwood               | 1,996         | 527.82        | 12     | 1,812.14      | 0                          | --            | 0      | --            | 0      | --            |
| Other softwoods       | 159           | 441.12        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods         | 2,577         | 563.74        | 119    | 1,218.48      | 0                          | --            | 0      | --            | 0      | --            |
| Red alder             | 24            | 520.17        | 0      | --            | 24                         | 520.17        | 0      | --            | 0      | --            |
| All hardwoods         | 38            | 519.68        | 0      | --            | 24                         | 520.17        | 0      | --            | 14     | 518.84        |
| <b>Other:</b>         |               |               |        |               |                            |               |        |               |        |               |
| All hardwoods         | 12            | 1,779.78      | 12     | 1,779.78      | 0                          | --            | 0      | --            | 0      | --            |
| <b>Total:</b>         |               |               |        |               |                            |               |        |               |        |               |
| Douglas-fir           | 1,367         | 786.13        | 15     | 1,124.17      | 0                          | --            | 0      | --            | 78     | 346.86        |
| Other firs            | 714           | 432.48        | 653    | 403.38        | 0                          | --            | 0      | --            | 0      | --            |
| Cedars                | 1,506         | 597.69        | 1,475  | 597.82        | 0                          | --            | 0      | --            | 0      | --            |
| Hemlock               | 3,261         | 488.60        | 3,261  | 488.60        | 0                          | --            | 0      | --            | 0      | --            |
| Spruce                | 3,511         | 566.25        | 0      | --            | 0                          | --            | 0      | --            | 0      | --            |
| Pines                 | 9,797         | 567.14        | 378    | 537.16        | 0                          | --            | 0      | --            | 0      | --            |
| Redwood               | 4,889         | 554.09        | 110    | 1,150.41      | 0                          | --            | 146    | 671.44        | 0      | --            |
| Other softwoods       | 1,969         | 478.44        | 874    | 757.46        | 0                          | --            | 0      | --            | 0      | --            |
| All softwoods         | 27,015        | 557.94        | 6,765  | 553.81        | 0                          | --            | 146    | 671.44        | 78     | 346.86        |
| Red alder             | 24            | 520.17        | 0      | --            | 24                         | 520.17        | 0      | --            | 0      | --            |
| All hardwoods         | 1,786         | 1,207.94      | 1,376  | 1,256.59      | 24                         | 520.17        | 73     | 654.77        | 131    | 762.30        |

Source: U.S. Department of Commerce.

**Table 59--Volume and average value of lumber exports by port, species, and destination,  
Anchorage Customs District, 1992**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and<br>species  | Destination   |                  |         |                  |                               |                  |        |                  |        |                  |
|----------------------|---------------|------------------|---------|------------------|-------------------------------|------------------|--------|------------------|--------|------------------|
|                      | All countries |                  | Japan   |                  | People's Republic<br>of China |                  | Korea  |                  | Canada |                  |
|                      | Volume        | Average<br>value | Volume  | Average<br>value | Volume                        | Average<br>value | Volume | Average<br>value | Volume | Average<br>value |
| <b>Anchorage:</b>    |               |                  |         |                  |                               |                  |        |                  |        |                  |
| Firs                 | 16            | 1,197.14         | 16      | 1,197.14         | 0                             | --               | 0      | --               | 0      | --               |
| <b>Dalton Cache:</b> |               |                  |         |                  |                               |                  |        |                  |        |                  |
| All hardwoods        | 27            | 330.81           | 0       | --               | 0                             | --               | 0      | --               | 27     | 330.81           |
| <b>Ketchikan:</b>    |               |                  |         |                  |                               |                  |        |                  |        |                  |
| Firs                 | 14            | 1,445.36         | 14      | 1,445.36         | 0                             | --               | 0      | --               | 0      | --               |
| Cedars               | 539           | 405.93           | 539     | 405.93           | 0                             | --               | 0      | --               | 0      | --               |
| Hemlock              | 50,532        | 475.02           | 47,392  | 487.01           | 0                             | --               | 525    | 500.03           | 0      | --               |
| Spruce               | 33,387        | 824.14           | 27,722  | 754.21           | 0                             | --               | 5,496  | 1,195.42         | 0      | --               |
| All softwoods        | 84,472        | 612.73           | 75,667  | 584.51           | 0                             | --               | 6,020  | 1,134.83         | 0      | --               |
| All hardwoods        | 3             | 1,101.33         | 0       | --               | 0                             | --               | 0      | --               | 3      | 1,101.33         |
| <b>Valdez:</b>       |               |                  |         |                  |                               |                  |        |                  |        |                  |
| All hardwoods        | 184           | 188.82           | 0       | --               | 0                             | --               | 0      | --               | 184    | 188.82           |
| <b>Wrangell:</b>     |               |                  |         |                  |                               |                  |        |                  |        |                  |
| Cedars               | 36            | 258.84           | 36      | 258.84           | 0                             | --               | 0      | --               | 0      | --               |
| Hemlock              | 30,831        | 260.01           | 30,831  | 260.01           | 0                             | --               | 0      | --               | 0      | --               |
| Spruce               | 18,633        | 280.60           | 18,633  | 280.60           | 0                             | --               | 0      | --               | 0      | --               |
| Other softwoods      | 2,358         | 279.98           | 2,358   | 279.98           |                               |                  |        |                  |        |                  |
| All softwoods        | 51,857        | 268.31           | 51,857  | 268.31           | 0                             | --               | 0      | --               | 0      | --               |
| <b>Total:</b>        |               |                  |         |                  |                               |                  |        |                  |        |                  |
| Firs                 | 14            | 1,445.36         | 14      | 1,445.36         | 0                             | --               | 0      | --               | 0      | --               |
| Cedars               | 575           | 396.82           | 575     | 396.82           | 0                             | --               | 0      | --               | 0      | --               |
| Hemlock              | 81,363        | 393.55           | 78,222  | 397.54           | 0                             | --               | 525    | 500.03           | 0      | --               |
| Spruce               | 52,036        | 629.62           | 46,372  | 564.05           | 0                             | --               | 5,496  | 1,195.42         | 0      | --               |
| Other softwoods      | 2,358         | 279.98           | 2,358   | 279.98           | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods        | 136,346       | 481.81           | 127,540 | 456.02           | 0                             | --               | 6,020  | 1,134.83         | 0      | --               |
| All hardwoods        | 213           | 217.49           | 0       | --               | 0                             | --               | 0      | --               | 213    | 217.49           |

Source: U.S. Department of Commerce.

**Table 60--Volume and average value of lumber exports by port, species, and destination,  
Anchorage Customs District, fourth quarter 1992**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Port and<br>species | Destination   |                  |        |                  |                               |                  |        |                  |        |                  |
|---------------------|---------------|------------------|--------|------------------|-------------------------------|------------------|--------|------------------|--------|------------------|
|                     | All countries |                  | Japan  |                  | People's Republic<br>of China |                  | Korea  |                  | Canada |                  |
|                     | Volume        | Average<br>value | Volume | Average<br>value | Volume                        | Average<br>value | Volume | Average<br>value | Volume | Average<br>value |
| Ketchikan:          |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Hemlock             | 12,767        | 522.19           | 12,054 | 521.33           | 0                             | --               | 525    | 500.03           | 0      | --               |
| Spruce              | 10,341        | 951.69           | 7,341  | 834.53           | 0                             | --               | 3,000  | 1,238.38         | 0      | --               |
| All softwoods       | 23,108        | 714.40           | 19,395 | 639.88           | 0                             | --               | 3,525  | 1,128.49         | 0      | --               |
| Wrangell:           |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Hemlock             | 6,608         | 259.99           | 6,608  | 259.99           | 0                             | --               | 0      | --               | 0      | --               |
| Spruce              | 4,559         | 292.18           | 4,559  | 292.18           | 0                             | --               | 0      | --               | 0      | --               |
| All softwoods       | 11,167        | 273.14           | 11,167 | 273.14           | 0                             | --               | 0      | --               | 0      | --               |
| Total:              |               |                  |        |                  |                               |                  |        |                  |        |                  |
| Hemlock             | 19,374        | 432.77           | 18,661 | 428.80           | 0                             | --               | 525    | 500.03           | 0      | --               |
| Spruce              | 14,900        | 749.89           | 11,900 | 626.75           | 0                             | --               | 3,000  | 1,238.38         | 0      | --               |
| All softwoods       | 34,275        | 570.63           | 30,562 | 505.87           | 0                             | --               | 3,525  | 1,128.49         | 0      | --               |

Source: U.S. Department of Commerce.

**Table 61—Volume and average value of softwood lumber exports to Canada from the Great Falls Customs District, 1981-92<sup>a</sup>**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Year and quarter | Total  |               | Douglas-fir |               | Western hemlock |               | Other softwoods |               |
|------------------|--------|---------------|-------------|---------------|-----------------|---------------|-----------------|---------------|
|                  | Volume | Average value | Volume      | Average value | Volume          | Average value | Volume          | Average value |
| 1981             | 79,210 | 231.73        | 18,196      | 259.12        | 1,308           | 336.39        | 59,706          | 221.10        |
| 1982             | 46,508 | 231.62        | 8,595       | 263.76        | 690             | 340.58        | 37,223          | 222.20        |
| 1983             | 66,943 | 235.01        | 12,534      | 260.17        | 852             | 327.46        | 53,557          | 227.66        |
| 1984             | 52,655 | 190.01        | 7,898       | 274.75        | 683             | 342.61        | 44,074          | 172.46        |
| 1985             | 34,277 | 241.56        | 8,582       | 270.10        | 394             | 329.95        | 25,301          | 230.50        |
| 1986             | 34,429 | 245.35        | 8,210       | 284.90        | 752             | 355.05        | 25,467          | 229.36        |
| 1987             | 31,315 | 272.65        | 9,853       | 312.90        | 389             | 372.75        | 21,073          | 251.98        |
| 1988             | 31,333 | 294.35        | 10,180      | 298.72        | 640             | 343.75        | 20,513          | 290.65        |
| 1989             | 32,409 | 340.92        | 8,842       | 368.92        | 781             | 355.95        | 22,786          | 329.54        |
| 1990             | 44,262 | 407.23        | 18,405      | 399.51        | 839             | 671.04        | 25,018          | 404.07        |
| 1991:            |        |               |             |               |                 |               |                 |               |
| 1st quarter      | 4,616  | 467.29        | 1,132       | 598.06        | 125             | 536.00        | 3,359           | 420.66        |
| 2d quarter       | 5,315  | 510.44        | 2,114       | 593.19        | 44              | 1,022.73      | 3,157           | 447.89        |
| 3d quarter       | 5,604  | 546.93        | 2,480       | 633.07        | 24              | 875.00        | 3,100           | 475.48        |
| 4th quarter      | 3,073  | 507.65        | 1,288       | 652.17        | 0               | --            | 1,785           | 403.36        |
| 1991 total       | 18,608 | 510.26        | 7,014       | 618.76        | 193             | 694.30        | 11,401          | 440.40        |
| 1992:            |        |               |             |               |                 |               |                 |               |
| 1st quarter      | 3,929  | 479.51        | 1,602       | 563.05        | 44              | 500.00        | 2,283           | 420.50        |
| 2d quarter       | 4,160  | 636.30        | 2,552       | 686.52        | 281             | 462.63        | 1,327           | 576.49        |
| 3d quarter       | 4,051  | 624.54        | 2,211       | 670.29        | 121             | 1,008.26      | 1,719           | 538.69        |
| 4th quarter      | 3,979  | 548.88        | 1,793       | 707.20        | 209             | 928.23        | 1,977           | 365.20        |
| 1992 total       | 16,119 | 573.49        | 8,158       | 662.54        | 655             | 716.03        | 7,306           | 461.27        |

<sup>a</sup> Great Falls Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce.

**Table 62--Volume and average value of hardwood lumber exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1981-92**

(Volume in thousand board feet; value in thousands of dollars)

| Year and quarter              | Seattle Customs District |               | Columbia-Snake Customs District |               | Anchorage Customs District |               | San Francisco Customs District |               |
|-------------------------------|--------------------------|---------------|---------------------------------|---------------|----------------------------|---------------|--------------------------------|---------------|
|                               | Volume                   | Average value | Volume                          | Average value | Volume                     | Average value | Volume                         | Average value |
| TO ALL COUNTRIES              |                          |               |                                 |               |                            |               |                                |               |
| 1981                          | 22,717                   | 528.50        | 2,837                           | 581.25        | 1,812                      | 250.00        | 3,893                          | 586.18        |
| 1982                          | 16,019                   | 515.51        | 3,164                           | 687.85        | 0                          | --            | 4,135                          | 544.86        |
| 1983                          | 34,729                   | 542.86        | 3,668                           | 536.26        | 0                          | --            | 6,031                          | 504.39        |
| 1984                          | 36,397                   | 596.86        | 6,497                           | 687.09        | 0                          | --            | 7,849                          | 452.67        |
| 1985                          | 35,841                   | 634.36        | 3,958                           | 648.29        | 3,322                      | 280.25        | 6,987                          | 438.53        |
| 1986                          | 60,331                   | 528.86        | 3,689                           | 630.88        | 111                        | 504.50        | 8,966                          | 553.87        |
| 1987                          | 73,644                   | 558.99        | 7,989                           | 657.90        | 3,316                      | 699.94        | 17,337                         | 416.28        |
| 1988                          | 121,087                  | 503.59        | 16,116                          | 574.15        | 8,767                      | 767.31        | 6,505                          | 490.39        |
| 1989                          | 85,722                   | 741.38        | 22,106                          | 609.47        | 64                         | 656.25        | 10,894                         | 983.75        |
| 1990                          | 80,745                   | 965.60        | 13,439                          | 771.56        | 0                          | --            | 11,363                         | 1,184.72      |
| 1991                          | 94,711                   | 941.49        | 17,432                          | 1,072.74      | 0                          | --            | 14,782                         | 1,031.80      |
| 1992:                         |                          |               |                                 |               |                            |               |                                |               |
| 1st quarter                   | 23,580                   | 1,026.63      | 4,814                           | 1,133.15      | 0                          | --            | 3,191                          | 1,153.56      |
| 2d quarter                    | 23,849                   | 1,114.05      | 4,856                           | 1,036.45      | 21                         | 190.48        | 2,623                          | 1,261.15      |
| 3d quarter                    | 25,305                   | 1,129.42      | 5,667                           | 1,119.99      | 189                        | 211.64        | 1,782                          | 1,266.55      |
| 4th quarter                   | 22,220                   | 1,171.42      | 6,402                           | 1,085.75      | 0                          | --            | 1,679                          | 1,259.08      |
| 1992 total                    | 94,954                   | 1,109.87      | 21,739                          | 1,094.12      | 210                        | 209.52        | 9,275                          | 1,224.00      |
| TO JAPAN                      |                          |               |                                 |               |                            |               |                                |               |
| 1981                          | 1,773                    | 371.06        | 1,328                           | 540.66        | 0                          | --            | 2,513                          | 536.01        |
| 1982                          | 2,951                    | 611.66        | 792                             | 723.48        | 0                          | --            | 3,507                          | 525.52        |
| 1983                          | 13,721                   | 599.45        | 2,601                           | 504.42        | 0                          | --            | 3,737                          | 348.68        |
| 1984                          | 20,803                   | 685.24        | 5,092                           | 696.58        | 0                          | --            | 6,813                          | 409.66        |
| 1985                          | 20,690                   | 702.32        | 2,859                           | 668.77        | 3,322                      | 280.25        | 5,793                          | 408.42        |
| 1986                          | 30,531                   | 667.65        | 2,810                           | 683.27        | 111                        | 504.50        | 3,695                          | 391.88        |
| 1987                          | 39,778                   | 595.35        | 4,173                           | 569.37        | 361                        | 761.77        | 12,430                         | 301.69        |
| 1988                          | 76,276                   | 528.70        | 9,111                           | 390.74        | 2,045                      | 709.54        | 4,168                          | 465.21        |
| 1989                          | 42,867                   | 791.89        | 9,203                           | 665.98        | 25                         | 760.00        | 8,041                          | 1,053.97      |
| 1990                          | 40,970                   | 1,040.32      | 4,581                           | 997.38        | 0                          | --            | 8,776                          | 1,278.83      |
| 1991                          | 52,801                   | 992.25        | 8,667                           | 1,155.30      | 0                          | --            | 11,445                         | 1,065.97      |
| 1992:                         |                          |               |                                 |               |                            |               |                                |               |
| 1st quarter                   | 11,294                   | 1,099.43      | 2,534                           | 1,152.72      | 0                          | --            | 2,784                          | 1,135.78      |
| 2d quarter                    | 9,735                    | 1,236.36      | 2,653                           | 986.05        | 0                          | --            | 2,272                          | 1,279.49      |
| 3d quarter                    | 11,408                   | 1,188.38      | 2,783                           | 1,093.07      | 0                          | --            | 1,540                          | 1,229.87      |
| 4th quarter                   | 8,731                    | 1,188.18      | 2,544                           | 1,059.75      | 0                          | --            | 1,332                          | 1,271.77      |
| 1992 total                    | 41,169                   | 1,175.23      | 10,514                          | 1,072.38      | 0                          | --            | 7,928                          | 1,218.09      |
| TO PEOPLE'S REPUBLIC OF CHINA |                          |               |                                 |               |                            |               |                                |               |
| 1981                          | 0                        | --            | 0                               | --            | 1,812                      | 250.00        | 3                              | 2,000.00      |
| 1982                          | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 1983                          | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 1984                          | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 1985                          | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 1986                          | 0                        | --            | 0                               | --            | 0                          | --            | 0                              | --            |
| 1987                          | 0                        | --            | 8                               | 875.00        | 0                          | --            | 6                              | 333.33        |
| 1988                          | 127                      | 1,023.62      | 0                               | --            | 0                          | --            | 0                              | --            |
| 1989                          | 0                        | --            | 8,985                           | 400.67        | 0                          | --            | 0                              | --            |
| 1990                          | 210                      | 600.00        | 4,217                           | 430.64        | 0                          | --            | 0                              | --            |
| 1991                          | 783                      | 519.80        | 189                             | 730.16        | 0                          | --            | 0                              | --            |
| 1992:                         |                          |               |                                 |               |                            |               |                                |               |
| 1st quarter                   | 141                      | 624.11        | 0                               | --            | 0                          | --            | 29                             | 517.24        |
| 2d quarter                    | 119                      | 605.04        | 0                               | --            | 0                          | --            | 0                              | --            |
| 3d quarter                    | 39                       | 435.90        | 0                               | --            | 0                          | --            | 0                              | --            |
| 4th quarter                   | 34                       | 1,000.00      | 0                               | --            | 0                          | --            | 24                             | 500.00        |
| 1992 total                    | 333                      | 633.63        | 0                               | --            | 0                          | --            | 53                             | 509.43        |

Source: U.S. Department of Commerce.

**Table 63—Volume of lumber exports from British Columbia ports by species and destination, 1982-92**

(In thousand board feet)

| Year                          | Total,<br>all species | Douglas-<br>fir | Hemlock   | Cedars    | Spruces | Other<br>softwoods | Hardwoods |
|-------------------------------|-----------------------|-----------------|-----------|-----------|---------|--------------------|-----------|
| TO ALL COUNTRIES              |                       |                 |           |           |         |                    |           |
| 1982                          | 4,242,899             | 339,932         | 1,803,999 | 635,865   | 208,218 | 1,244,341          | 10,544    |
| 1983                          | 4,797,419             | 338,866         | 2,138,634 | 707,342   | 193,775 | a 1,413,690        | 5,112     |
| 1984                          | 5,822,714             | 469,278         | 2,280,805 | 1,113,568 | 181,699 | 1,760,231          | 17,133    |
| 1985                          | 5,856,709             | 606,452         | 2,166,417 | 863,294   | 217,340 | 2,000,301          | 2,905     |
| 1986                          | 5,718,134             | 506,289         | 2,062,006 | 862,049   | 163,672 | 2,121,451          | 2,667     |
| 1987                          | 7,431,323             | 669,643         | 2,745,288 | 925,916   | 221,803 | 3,133,596          | 5,077     |
| 1988                          | 12,202,632            | NA              | NA        | NA        | NA      | NA                 | 19,272    |
| 1989                          | 12,219,744            | NA              | NA        | NA        | NA      | NA                 | 2,398     |
| 1990                          | 10,726,160            | 654,941         | 2,681,382 | 1,012,124 | 108,901 | 6,268,812          | 0         |
| 1991                          | 10,478,322            | 738,594         | 2,109,779 | 1,039,977 | 99,206  | 6,490,766          | NA        |
| 1992                          | 11,384,925            | 716,128         | 2,022,278 | 1,004,424 | 95,363  | 7,546,730          | NA        |
| TO JAPAN                      |                       |                 |           |           |         |                    |           |
| 1982                          | 1,048,371             | 44,391          | 713,625   | 119,900   | 66,709  | 103,607            | 139       |
| 1983                          | 898,952               | 33,562          | 558,412   | 125,101   | 62,194  | 119,565            | 118       |
| 1984                          | 922,658               | 37,181          | 567,616   | 125,112   | 71,628  | 119,438            | 1,683     |
| 1985                          | 995,661               | 56,977          | 579,064   | 128,550   | 86,587  | 143,891            | 592       |
| 1986                          | 919,224               | 56,070          | 492,636   | 141,210   | 94,484  | 133,816            | 1,008     |
| 1987                          | 1,333,078             | 112,615         | 731,908   | 122,113   | 113,364 | 250,898            | 2,180     |
| 1988                          | 1,453,419             | NA              | NA        | NA        | NA      | NA                 | 2,167     |
| 1989                          | 1,668,158             | NA              | NA        | NA        | NA      | NA                 | 1,028     |
| 1990                          | 1,669,234             | 131,840         | 829,101   | 153,034   | 98,641  | 456,618            | 0         |
| 1991                          | 1,904,373             | 193,001         | 877,657   | 144,311   | 90,017  | 599,387            | NA        |
| 1992                          | 1,962,805             | 203,486         | 891,320   | 174,525   | 85,762  | 607,710            | NA        |
| TO UNITED STATES <sup>b</sup> |                       |                 |           |           |         |                    |           |
| 1982                          | 2,017,725             | 157,776         | 637,513   | 430,634   | 111,314 | 679,412            | 1,076     |
| 1983                          | 2,595,702             | 187,818         | 981,755   | 396,363   | 121,695 | 906,034            | 2,037     |
| 1984                          | 3,227,897             | 253,215         | 1,120,076 | 591,324   | 98,306  | 1,160,479          | 4,497     |
| 1985                          | 3,956,609             | 352,433         | 1,182,889 | 668,897   | 126,979 | 1,623,348          | 2,063     |
| 1986                          | 3,825,528             | 299,617         | 1,160,014 | 650,072   | 63,164  | 1,651,033          | 1,628     |
| 1987                          | 4,680,711             | 340,153         | 1,162,424 | 711,127   | 96,371  | 2,368,393          | 2,243     |
| 1988                          | 8,948,832             | NA              | NA        | NA        | NA      | NA                 | 2,481     |
| 1989                          | 8,693,567             | NA              | NA        | NA        | NA      | NA                 | 231       |
| 1990                          | 7,425,801             | 337,804         | 1,021,148 | 764,591   | 0       | 5,302,258          | 0         |
| 1991                          | 7,284,884             | 353,232         | 678,279   | 806,012   | 4,485   | 5,442,876          | NA        |
| 1992                          | 8,287,202             | 355,154         | 680,856   | 736,916   | 3,051   | 6,511,224          | NA        |
| TO PEOPLE'S REPUBLIC OF CHINA |                       |                 |           |           |         |                    |           |
| 1982                          | 43,206                | 0               | 28,877    | 0         | 624     | 4,514              | 9,191     |
| 1983                          | 135,043               | 6,274           | 111,000   | 0         | 0       | 15,907             | 1,862     |
| 1984                          | 116,884               | 3,063           | 99,706    | 0         | 140     | 4,449              | 9,526     |
| 1985                          | 104,281               | 672             | 103,609   | 0         | 0       | 0                  | 0         |
| 1986                          | 40,297                | 0               | 39,919    | 0         | 0       | 378                | 0         |
| 1987                          | 31,896                | 39              | 31,774    | 60        | 0       | 0                  | 23        |
| 1988                          | 84,425                | NA              | NA        | NA        | NA      | NA                 | 0         |
| 1989                          | 21,859                | NA              | NA        | NA        | NA      | NA                 | 0         |
| 1990                          | 3,143                 | 0               | 1,310     | 199       | 0       | 1,634              | 0         |
| 1991                          | 5,829                 | 500             | 5,001     | 193       | 100     | 35                 | NA        |
| 1992                          | 29,514                | 3,650           | 21,539    | 397       | 0       | 3,928              | NA        |

NA = not available.

<sup>a</sup> Incomplete; does not include all "Other softwoods" or "Hardwoods."

<sup>b</sup> Figures do not include shipments of railroad cross-ties.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

**Table 64--Average value of lumber exports from British Columbia ports by species and destination, 1985-92**

(In Canadian dollars per thousand board feet)

| Year                          | Total,<br>all species | Douglas-<br>fir | Hemlock | Cedars   | Spruces | Other<br>softwoods | Hardwoods |
|-------------------------------|-----------------------|-----------------|---------|----------|---------|--------------------|-----------|
| TO ALL COUNTRIES              |                       |                 |         |          |         |                    |           |
| 1985                          | 315.34                | 354.05          | 308.99  | 468.29   | 369.93  | 237.99             | 694.77    |
| 1986                          | 351.94                | 384.09          | 339.18  | 548.29   | 512.78  | 264.39             | 421.09    |
| 1987                          | 384.55                | 426.51          | 399.03  | 641.44   | 592.85  | 272.97             | 709.72    |
| 1988                          | 321.48                | NA              | NA      | NA       | NA      | NA                 | 689.66    |
| 1989                          | 337.17                | NA              | NA      | NA       | NA      | NA                 | 934.95    |
| 1990                          | 368.28                | NA              | NA      | NA       | NA      | NA                 | --        |
| 1991                          | 362.21                | NA              | NA      | NA       | NA      | NA                 | NA        |
| 1992                          | 422.47                | NA              | NA      | NA       | NA      | NA                 | NA        |
| TO JAPAN                      |                       |                 |         |          |         |                    |           |
| 1985                          | 400.55                | 514.86          | 329.30  | 616.65   | 561.79  | 349.53             | 983.67    |
| 1986                          | 515.75                | 618.18          | 423.36  | 819.01   | 657.94  | 393.42             | 395.85    |
| 1987                          | 617.78                | 746.66          | 542.06  | 1,138.30 | 832.39  | 428.13             | 891.27    |
| 1988                          | 592.36                | NA              | NA      | NA       | NA      | NA                 | 1,081.80  |
| 1989                          | 629.30                | NA              | NA      | NA       | NA      | NA                 | 1,407.59  |
| 1990                          | 601.17                | NA              | NA      | NA       | NA      | NA                 | --        |
| 1991                          | 558.92                | NA              | NA      | NA       | NA      | NA                 | NA        |
| 1992                          | 666.39                | NA              | NA      | NA       | NA      | NA                 | NA        |
| TO UNITED STATES <sup>a</sup> |                       |                 |         |          |         |                    |           |
| 1985                          | 281.33                | 287.22          | 290.16  | 405.94   | 230.18  | 225.84             | 621.69    |
| 1986                          | 297.77                | 291.99          | 286.20  | 446.61   | 267.78  | 249.35             | 425.48    |
| 1987                          | 298.52                | 277.19          | 291.64  | 490.71   | 291.06  | 247.36             | 498.03    |
| 1988                          | 251.41                | NA              | NA      | NA       | NA      | NA                 | 331.55    |
| 1989                          | 255.58                | NA              | NA      | NA       | NA      | NA                 | 658.01    |
| 1990                          | 285.87                | NA              | NA      | NA       | NA      | NA                 | --        |
| 1991                          | 285.48                | NA              | NA      | NA       | NA      | NA                 | NA        |
| 1992                          | 339.91                | NA              | NA      | NA       | NA      | NA                 | NA        |
| TO PEOPLE'S REPUBLIC OF CHINA |                       |                 |         |          |         |                    |           |
| 1985                          | 284.59                | 269.55          | 284.69  | --       | --      | --                 | --        |
| 1986                          | 298.30                | --              | 300.70  | --       | --      | 44.64              | --        |
| 1987                          | 309.90                | 1,460.00        | 306.96  | 1,076.53 | --      | --                 | 418.57    |
| 1988                          | 305.35                | NA              | NA      | NA       | NA      | NA                 | --        |
| 1989                          | 313.46                | NA              | NA      | NA       | NA      | NA                 | --        |
| 1990                          | NA                    | NA              | NA      | NA       | NA      | NA                 | --        |
| 1991                          | NA                    | NA              | NA      | NA       | NA      | NA                 | NA        |
| 1992                          | NA                    | NA              | NA      | NA       | NA      | NA                 | NA        |

NA = not available.

<sup>a</sup> Figures do not include shipments of railroad crossties.

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

**Table 65—Volume and average value of plywood exports from Seattle and Columbia-Snake Customs Districts by destination, 1981-92**

(Volume in thousand square feet; value in dollars per thousand square feet)

| Year and quarter  | From both customs districts |               |                          |               | From Seattle Customs District |               |                          |               | From Columbia-Snake Customs District |               |                          |               |
|-------------------|-----------------------------|---------------|--------------------------|---------------|-------------------------------|---------------|--------------------------|---------------|--------------------------------------|---------------|--------------------------|---------------|
|                   | Softwood 3/8-inch basis     |               | Hardwood surface measure |               | Softwood 3/8-inch basis       |               | Hardwood surface measure |               | Softwood 3/8-inch basis              |               | Hardwood surface measure |               |
|                   | Volume                      | Average value | Volume                   | Average value | Volume                        | Average value | Volume                   | Average value | Volume                               | Average value | Volume                   | Average value |
| TO ALL COUNTRIES  |                             |               |                          |               |                               |               |                          |               |                                      |               |                          |               |
| 1981              | 327,967                     | 262.70        | 18,645                   | 163.64        | 65,729                        | 224.32        | 17,333                   | 153.35        | 262,238                              | 272.32        | 1,312                    | 299.54        |
| 1982              | 221,609                     | 241.71        | 9,435                    | 145.63        | 36,268                        | 252.32        | 9,346                    | 145.09        | 185,341                              | 239.64        | 89                       | 202.25        |
| 1983              | 322,586                     | 223.64        | 16,541                   | 136.27        | 38,008                        | 217.53        | 16,320                   | 134.87        | 284,578                              | 156.07        | 221                      | 239.82        |
| 1984              | 156,715                     | 220.29        | 9,140                    | 186.19        | 23,663                        | 221.44        | 9,126                    | 141.90        | 133,052                              | 480.08        | 284                      | 788.73        |
| 1985              | 84,878                      | 226.83        | 10,789                   | 144.04        | 15,891                        | 213.12        | 10,013                   | 143.51        | 78,985                               | 370.72        | 776                      | 150.77        |
| 1986              | 204,236                     | 210.84        | 12,622                   | 155.52        | 26,381                        | 254.69        | 12,275                   | 156.17        | 177,855                              | 204.34        | 347                      | 132.56        |
| 1987              | 243,637                     | 216.55        | 10,318                   | 152.36        | 36,200                        | 245.36        | 10,041                   | 147.79        | 204,637                              | 211.52        | 277                      | 317.69        |
| 1988              | 289,573                     | 224.51        | 20,411                   | 164.47        | 48,810                        | 232.27        | 18,987                   | 158.69        | 240,763                              | 222.94        | 1,424                    | 241.57        |
| 1989              | 309,243                     | 208.19        | 18,092                   | 191.96        | 68,885                        | 219.42        | 17,754                   | 191.45        | 240,358                              | 204.97        | 338                      | 218.93        |
| 1990              | 259,182                     | 215.13        | 21,993                   | 285.45        | 67,461                        | 234.59        | 18,355                   | 298.23        | 191,721                              | 208.28        | 3,638                    | 221.00        |
| 1991              | 237,910                     | 217.53        | 35,912                   | 264.35        | 77,471                        | 231.31        | 32,306                   | 266.58        | 160,439                              | 210.87        | 3,606                    | 244.32        |
| 1992:             |                             |               |                          |               |                               |               |                          |               |                                      |               |                          |               |
| 1st quarter       | 44,643                      | 233.74        | 11,594                   | 272.64        | 15,713                        | 237.83        | 10,800                   | 271.94        | 28,930                               | 231.52        | 794                      | 282.12        |
| 2d quarter        | 39,794                      | 237.25        | 13,005                   | 286.58        | 9,054                         | 244.86        | 12,847                   | 285.78        | 30,740                               | 235.00        | 58                       | 465.52        |
| 3d quarter        | 26,000                      | 263.81        | 9,320                    | 317.17        | 7,986                         | 291.76        | 9,096                    | 318.16        | 18,014                               | 251.42        | 224                      | 276.79        |
| 4th quarter       | 34,094                      | 264.86        | 10,191                   | 308.31        | 7,331                         | 306.23        | 10,182                   | 308.40        | 26,763                               | 253.52        | 29                       | 275.86        |
| 1992 total        | 144,531                     | 247.46        | 44,110                   | 294.40        | 40,085                        | 262.67        | 43,005                   | 294.48        | 104,446                              | 241.63        | 1,105                    | 291.40        |
| TO JAPAN          |                             |               |                          |               |                               |               |                          |               |                                      |               |                          |               |
| 1981              | 5,056                       | 344.94        | 13                       | 615.38        | 2,162                         | 275.67        | 12                       | 583.33        | 2,894                                | 396.68        | 1                        | 1,000.00      |
| 1982              | 6,720                       | 313.84        | 19                       | 894.74        | 3,152                         | 280.14        | 19                       | 894.74        | 3,568                                | 343.61        | 0                        | --            |
| 1983              | 5,680                       | 308.45        | 18                       | 125.00        | 3,873                         | 275.88        | 0                        | --            | 1,707                                | 384.30        | 16                       | 125.00        |
| 1984              | 6,429                       | 307.67        | 0                        | --            | 2,054                         | 228.82        | 0                        | --            | 4,375                                | 344.69        | 0                        | --            |
| 1985              | 6,050                       | 284.83        | 898                      | 151.45        | 1,310                         | 196.18        | 122                      | 155.74        | 4,740                                | 309.07        | 776                      | 150.77        |
| 1986              | 7,644                       | 264.52        | 39                       | 1,000.00      | 1,277                         | 245.11        | 39                       | 1,000.00      | 6,367                                | 268.42        | 0                        | --            |
| 1987              | 11,299                      | 250.64        | 400                      | 327.50        | 2,670                         | 268.29        | 157                      | 414.01        | 8,629                                | 245.80        | 243                      | 271.60        |
| 1988              | 15,166                      | 233.35        | 1,954                    | 252.81        | 7,445                         | 231.83        | 852                      | 261.74        | 7,721                                | 234.81        | 1,102                    | 245.92        |
| 1989              | 17,075                      | 210.01        | 891                      | 243.55        | 10,880                        | 204.04        | 874                      | 242.56        | 6,195                                | 220.50        | 17                       | 294.12        |
| 1990              | 16,144                      | 224.54        | 616                      | 235.39        | 14,312                        | 221.00        | 200                      | 285.00        | 1,832                                | 252.18        | 416                      | 211.54        |
| 1991              | 21,407                      | 233.66        | 723                      | 192.25        | 20,385                        | 231.54        | 413                      | 186.44        | 1,022                                | 275.93        | 310                      | 200.00        |
| 1992:             |                             |               |                          |               |                               |               |                          |               |                                      |               |                          |               |
| 1st quarter       | 3,182                       | 231.93        | 106                      | 556.60        | 2,157                         | 242.93        | 0                        | --            | 1,025                                | 208.78        | 106                      | 556.60        |
| 2d quarter        | 1,927                       | 221.59        | 1,223                    | 347.51        | 1,463                         | 221.46        | 1,189                    | 339.78        | 464                                  | 221.98        | 34                       | 617.65        |
| 3d quarter        | 1,254                       | 253.59        | 0                        | --            | 740                           | 250.00        | 0                        | --            | 514                                  | 258.76        | 0                        | --            |
| 4th quarter       | 1,070                       | 277.57        | 29                       | 275.86        | 871                           | 297.36        | 0                        | --            | 199                                  | 190.96        | 29                       | 275.86        |
| 1992 total        | 7,434                       | 239.44        | 1,358                    | 362.30        | 5,232                         | 247.13        | 1,189                    | 339.78        | 2,202                                | 221.16        | 169                      | 520.71        |
| TO WESTERN EUROPE |                             |               |                          |               |                               |               |                          |               |                                      |               |                          |               |
| 1981              | 249,543                     | 254.80        | 677                      | 159.53        | 12,163                        | 252.16        | 0                        | --            | 237,380                              | 254.94        | 677                      | 159.53        |
| 1982              | 170,695                     | 217.23        | 79                       | 202.53        | 11,805                        | 244.39        | 0                        | --            | 158,890                              | 215.21        | 79                       | 202.53        |
| 1983              | 286,229                     | 219.59        | 145                      | 151.72        | 13,625                        | 214.61        | 145                      | 151.72        | 272,604                              | 219.84        | 0                        | --            |
| 1984              | 125,845                     | 211.43        | 236                      | 152.54        | 8,651                         | 233.61        | 236                      | 152.54        | 116,994                              | 209.79        | 0                        | --            |
| 1985              | 73,724                      | 213.73        | 65                       | 200.00        | 5,497                         | 225.94        | 65                       | 200.00        | 68,227                               | 212.75        | 0                        | --            |
| 1986              | 174,439                     | 203.26        | 304                      | 128.29        | 9,305                         | 309.30        | 304                      | 128.29        | 165,134                              | 197.29        | 0                        | --            |
| 1987              | 207,811                     | 211.14        | 346                      | 199.42        | 15,480                        | 259.37        | 346                      | 199.42        | 192,331                              | 207.26        | 0                        | --            |
| 1988              | 232,672                     | 209.74        | 579                      | 202.07        | 16,424                        | 212.31        | 579                      | 202.07        | 216,248                              | 209.55        | 0                        | --            |
| 1989              | 254,053                     | 206.39        | 71                       | 408.45        | 26,593                        | 229.95        | 43                       | 488.37        | 227,460                              | 203.64        | 28                       | 285.71        |
| 1990              | 191,734                     | 213.80        | 3,035                    | 200.99        | 24,129                        | 267.19        | 111                      | 279.28        | 167,605                              | 206.11        | 2,924                    | 198.02        |
| 1991              | 162,745                     | 217.03        | 4,882                    | 247.23        | 19,376                        | 255.01        | 1,971                    | 239.47        | 143,369                              | 211.90        | 2,911                    | 252.49        |
| 1992:             |                             |               |                          |               |                               |               |                          |               |                                      |               |                          |               |
| 1st quarter       | 28,492                      | 232.17        | 670                      | 231.34        | 3,234                         | 268.09        | 103                      | 203.88        | 25,258                               | 227.57        | 567                      | 236.33        |
| 2d quarter        | 27,249                      | 240.38        | 550                      | 489.09        | 1,183                         | 356.72        | 550                      | 489.09        | 26,066                               | 235.10        | 0                        | --            |
| 3d quarter        | 16,210                      | 265.02        | 537                      | 642.46        | 1,242                         | 429.15        | 537                      | 642.46        | 14,968                               | 251.40        | 0                        | --            |
| 4th quarter       | 27,289                      | 253.55        | 399                      | 1,052.63      | 2,807                         | 270.04        | 399                      | 1,052.63      | 24,482                               | 251.65        | 0                        | --            |
| 1992 total        | 99,956                      | 245.45        | 2,156                    | 551.95        | 9,182                         | 297.87        | 1,589                    | 664.57        | 90,774                               | 240.15        | 567                      | 236.33        |

Source: U.S. Department of Commerce. Columbia-Snake Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver.

**Table 66--Volume and average value of plywood exports from California, 1981-92<sup>a</sup>**

(Volume in thousand square feet; value in dollars per thousand square feet)

| Year and quarter | All California |               | Northern California      |               |                           |               | Southern California      |               |                           |               |
|------------------|----------------|---------------|--------------------------|---------------|---------------------------|---------------|--------------------------|---------------|---------------------------|---------------|
|                  | All plywood    |               | Softwood, 3/8-inch basis |               | Hardwood, surface measure |               | Softwood, 3/8-inch basis |               | Hardwood, surface measure |               |
|                  | Volume         | Average value | Volume                   | Average value | Volume                    | Average value | Volume                   | Average value | Volume                    | Average value |
| 1981             | 9,349          | 289.12        | 2,424                    | 312.71        | 487                       | 492.81        | 2,830                    | 238.52        | 3,608                     | 285.48        |
| 1982             | 7,464          | 415.46        | 3,026                    | 264.04        | 1,364                     | 1,095.31      | 1,557                    | 260.76        | 1,517                     | 265.00        |
| 1983             | 8,117          | 272.51        | 3,442                    | 306.22        | 974                       | 219.71        | 1,319                    | 195.60        | 2,382                     | 287.99        |
| 1984             | 9,405          | 310.05        | 2,608                    | 332.44        | 513                       | 395.71        | 1,629                    | 254.76        | 4,655                     | 307.41        |
| 1985             | 15,504         | 332.69        | 6,239                    | 257.57        | 325                       | 280.00        | 1,720                    | 227.91        | 7,220                     | 424.93        |
| 1986             | 27,563         | 235.13        | 4,231                    | 268.73        | 548                       | 167.88        | 10,977                   | 186.48        | 11,807                    | 271.45        |
| 1987             | 24,096         | 286.73        | 2,653                    | 308.33        | 275                       | 280.00        | 7,588                    | 206.38        | 13,580                    | 327.54        |
| 1988             | 41,865         | 239.89        | 4,791                    | 223.75        | 843                       | 196.92        | 15,664                   | 208.38        | 20,567                    | 269.41        |
| 1989             | 41,919         | 197.67        | 6,322                    | 245.18        | 674                       | 229.97        | 15,414                   | 178.67        | 19,509                    | 196.17        |
| 1990             | 65,513         | 179.20        | 3,365                    | 295.10        | 1,104                     | 221.01        | 28,254                   | 194.24        | 32,790                    | 152.94        |
| 1991:            |                |               |                          |               |                           |               |                          |               |                           |               |
| 1st quarter      | 30,766         | 166.42        | 853                      | 256.74        | 235                       | 400.00        | 22,942                   | 165.07        | 6,736                     | 151.43        |
| 2d quarter       | 20,832         | 172.24        | 1,407                    | 248.05        | 486                       | 230.45        | 11,426                   | 161.30        | 7,513                     | 170.90        |
| 3d quarter       | 27,657         | 171.53        | 259                      | 270.27        | 24                        | 791.67        | 17,475                   | 166.18        | 9,899                     | 176.89        |
| 4th quarter      | 30,171         | 160.92        | 390                      | 220.51        | 255                       | 121.57        | 20,721                   | 159.65        | 8,805                     | 162.41        |
| 1991 total       | 109,426        | 167.31        | 2,909                    | 248.88        | 1,000                     | 256.00        | 72,564                   | 163.21        | 32,953                    | 166.45        |
| 1992:            |                |               |                          |               |                           |               |                          |               |                           |               |
| 1st quarter      | 27,936         | 140.64        | 1,069                    | 206.74        | 21                        | 476.19        | 16,533                   | 134.76        | 10,313                    | 142.54        |
| 2d quarter       | 26,898         | 155.03        | 158                      | 360.76        | 316                       | 139.24        | 15,647                   | 145.52        | 10,777                    | 166.28        |
| 3d quarter       | 36,488         | 141.86        | 515                      | 302.91        | 288                       | 225.69        | 22,531                   | 136.21        | 13,154                    | 143.38        |
| 4th quarter      | 28,549         | 176.26        | 393                      | 259.54        | 782                       | 116.58        | 21,589                   | 172.13        | 5,785                     | 194.30        |
| 1992 total       | 119,871        | 152.73        | 2,135                    | 251.05        | 1,407                     | 148.54        | 76,300                   | 147.97        | 40,029                    | 156.71        |

<sup>a</sup> Northern California is the San Francisco Customs District and includes all coastal and inland ports from Monterey north. Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey.

Source: U.S. Department of Commerce.

**Table 67--Volume and average value of veneer exports from Seattle and Columbia-Snake Customs Districts by destination, 1981-92**

(Volume in thousand square feet; value in dollars per thousand square feet)

| Year and quarter  | From both customs districts |               |                           |               | From Seattle Customs District |               |                           |               | From Columbia-Snake Customs District |               |                           |               |
|-------------------|-----------------------------|---------------|---------------------------|---------------|-------------------------------|---------------|---------------------------|---------------|--------------------------------------|---------------|---------------------------|---------------|
|                   | Softwood 3/8-inch basis     |               | Hardwood, surface measure |               | Softwood, 3/8-inch basis      |               | Hardwood, surface measure |               | Softwood, 3/8-inch basis             |               | Hardwood, surface measure |               |
|                   | Volume                      | Average value | Volume                    | Average value | Volume                        | Average value | Volume                    | Average value | Volume                               | Average value | Volume                    | Average value |
| TO ALL COUNTRIES  |                             |               |                           |               |                               |               |                           |               |                                      |               |                           |               |
| 1981              | 189,980                     | 31.62         | 11,997                    | 79.02         | 185,648                       | 27.08         | 11,793                    | 79.79         | 4,332                                | 226.45        | 24                        | 250.00        |
| 1982              | 231,316                     | 28.61         | 19,514                    | 41.87         | 148,876                       | 26.79         | 5,870                     | 58.09         | 82,440                               | 31.89         | 13,644                    | 34.81         |
| 1983              | 292,795                     | 27.80         | 14,330                    | 65.39         | 160,267                       | 27.00         | 13,893                    | 62.69         | 132,528                              | 28.77         | 437                       | 151.03        |
| 1984              | 266,106                     | 27.04         | 37,273                    | 92.91         | 127,697                       | 30.35         | 31,771                    | 103.11        | 138,409                              | 23.99         | 5,502                     | 33.81         |
| 1985              | 221,547                     | 29.56         | 38,473                    | 92.97         | 153,095                       | 28.82         | 36,161                    | 97.78         | 68,452                               | 31.19         | 2,312                     | 17.73         |
| 1986              | 333,798                     | 30.57         | 64,746                    | 108.64        | 271,342                       | 29.28         | 61,800                    | 109.45        | 62,456                               | 36.15         | 2,946                     | 91.65         |
| 1987              | 290,803                     | 43.49         | 78,792                    | 77.09         | 239,599                       | 32.00         | 70,955                    | 78.77         | 51,091                               | 91.39         | 8,837                     | 55.56         |
| 1988              | 163,092                     | 55.56         | 172,369                   | 81.09         | 125,461                       | 47.42         | 153,013                   | 84.20         | 37,631                               | 82.70         | 19,356                    | 56.52         |
| 1989              | NA                          | NA            | NA                        | NA            | NA                            | NA            | NA                        | NA            | NA                                   | NA            | NA                        | NA            |
| 1990              | 79,643                      | 110.67        | 120,836                   | 122.76        | 75,047                        | 105.19        | 118,087                   | 121.71        | 4,596                                | 200.17        | 2,749                     | 168.06        |
| 1991              | 124,425                     | 91.79         | 135,266                   | 142.31        | 111,897                       | 88.11         | 132,675                   | 141.98        | 12,528                               | 124.68        | 2,591                     | 159.40        |
| 1992:             |                             |               |                           |               |                               |               |                           |               |                                      |               |                           |               |
| 1st quarter       | 35,395                      | 86.00         | 25,226                    | 144.45        | 31,491                        | 70.21         | 23,834                    | 144.50        | 3,905                                | 213.32        | 1,392                     | 143.68        |
| 2d quarter        | 36,417                      | 88.86         | 33,214                    | 129.73        | 32,247                        | 71.51         | 28,392                    | 139.51        | 4,170                                | 223.02        | 4,822                     | 72.17         |
| 3d quarter        | 22,813                      | 88.24         | 32,801                    | 133.14        | 19,396                        | 72.34         | 30,729                    | 133.82        | 3,417                                | 178.52        | 2,072                     | 123.07        |
| 4th quarter       | 37,878                      | 89.74         | 33,268                    | 115.40        | 33,071                        | 71.57         | 25,371                    | 129.99        | 4,807                                | 214.69        | 7,897                     | 68.51         |
| 1992 total        | 132,503                     | 88.25         | 124,510                   | 129.77        | 116,204                       | 71.31         | 108,327                   | 136.76        | 16,299                               | 208.97        | 16,183                    | 82.99         |
| TO JAPAN          |                             |               |                           |               |                               |               |                           |               |                                      |               |                           |               |
| 1981              | 978                         | 22.49         | 821                       | 174.18        | 0                             | --            | 821                       | 174.18        | 978                                  | 22.49         | 0                         | --            |
| 1982              | 82,295                      | 23.08         | 12,700                    | 33.15         | 1,487                         | 18.83         | 37                        | 135.14        | 80,808                               | 23.15         | 12,663                    | 32.85         |
| 1983              | 105,068                     | 21.58         | 2,640                     | 68.18         | 5,311                         | 11.11         | 2,498                     | 70.86         | 99,757                               | 22.13         | 142                       | 21.13         |
| 1984              | 110,954                     | 18.85         | 1,579                     | 98.16         | 0                             | --            | 1,579                     | 98.16         | 110,954                              | 18.85         | 0                         | --            |
| 1985              | 56,238                      | 28.47         | 3,242                     | 41.02         | 268                           | 59.70         | 949                       | 99.05         | 55,970                               | 28.34         | 2,293                     | 17.01         |
| 1986              | 94,390                      | 21.81         | 10,024                    | 58.36         | 51,781                        | 14.60         | 8,001                     | 50.87         | 42,609                               | 30.58         | 2,023                     | 87.99         |
| 1987              | 61,161                      | 81.57         | 24,300                    | 64.53         | 20,392                        | 27.61         | 17,151                    | 63.73         | 40,769                               | 108.56        | 7,149                     | 66.44         |
| 1988              | 38,585                      | 107.58        | 81,628                    | 96.87         | 21,626                        | 77.21         | 63,065                    | 77.21         | 16,959                               | 121.29        | 18,563                    | 55.65         |
| 1989              | NA                          | NA            | NA                        | NA            | NA                            | NA            | NA                        | NA            | NA                                   | NA            | NA                        | NA            |
| 1990              | 33,574                      | 145.86        | 64,727                    | 124.31        | 30,053                        | 141.42        | 63,918                    | 123.50        | 3,521                                | 183.75        | 809                       | 187.89        |
| 1991              | 92,521                      | 90.93         | 89,489                    | 142.00        | 88,453                        | 84.44         | 87,678                    | 141.27        | 4,068                                | 232.06        | 1,811                     | 177.25        |
| 1992:             |                             |               |                           |               |                               |               |                           |               |                                      |               |                           |               |
| 1st quarter       | 29,113                      | 77.90         | 14,089                    | 142.03        | 25,278                        | 57.40         | 12,896                    | 143.92        | 3,835                                | 213.04        | 1,193                     | 121.54        |
| 2d quarter        | 29,484                      | 82.04         | 13,134                    | 138.50        | 25,827                        | 62.45         | 8,409                     | 177.31        | 3,657                                | 220.67        | 4,725                     | 69.42         |
| 3d quarter        | 18,356                      | 81.34         | 19,037                    | 123.60        | 15,166                        | 61.72         | 16,965                    | 123.67        | 3,190                                | 174.61        | 2,072                     | 123.07        |
| 4th quarter       | 30,903                      | 78.47         | 22,219                    | 101.63        | 27,819                        | 64.45         | 15,152                    | 119.46        | 3,084                                | 204.93        | 7,067                     | 63.39         |
| 1992 total        | 107,855                     | 79.79         | 68,480                    | 123.12        | 94,090                        | 61.57         | 53,423                    | 135.80        | 13,765                               | 204.36        | 15,057                    | 78.10         |
| TO WESTERN EUROPE |                             |               |                           |               |                               |               |                           |               |                                      |               |                           |               |
| 1981              | 480                         | 143.75        | 0                         | --            | 480                           | 143.75        | 0                         | --            | 0                                    | --            | 0                         | --            |
| 1982              | 14                          | 71.43         | 34                        | 117.65        | 14                            | 71.43         | 8                         | 125.00        | 0                                    | --            | 26                        | 115.38        |
| 1983              | 38,570                      | 40.81         | 0                         | --            | 7,567                         | 36.08         | 0                         | --            | 31,003                               | 41.93         | 0                         | --            |
| 1984              | 30,122                      | 44.05         | 5,138                     | 23.55         | 2,790                         | 44.09         | 0                         | --            | 27,332                               | 44.01         | 5,138                     | 23.55         |
| 1985              | 13,093                      | 42.16         | 432                       | 87.96         | 682                           | 21.99         | 432                       | 87.96         | 12,411                               | 43.11         | 0                         | --            |
| 1986              | 22,313                      | 37.87         | 1,953                     | 73.73         | 3,287                         | 34.07         | 1,953                     | 73.73         | 19,026                               | 38.47         | 0                         | --            |
| 1987              | 10,016                      | 51.42         | 1,688                     | 9.48          | 294                           | 105.44        | 0                         | --            | 9,722                                | 49.78         | 1,688                     | 9.48          |
| 1988              | 6,373                       | 104.19        | 1,275                     | 83.14         | 525                           | 116.19        | 482                       | 93.36         | 5,848                                | 103.11        | 793                       | 76.92         |
| 1989              | NA                          | NA            | NA                        | NA            | NA                            | NA            | NA                        | NA            | NA                                   | NA            | NA                        | NA            |
| 1990              | 367                         | 242.51        | 2,967                     | 118.30        | 239                           | 221.76        | 2,967                     | 118.30        | 128                                  | 281.25        | 0                         | --            |
| 1991              | 7,531                       | 44.35         | 3,228                     | 102.85        | 0                             | --            | 3,228                     | 102.85        | 7,531                                | 44.35         | 0                         | --            |
| 1992:             |                             |               |                           |               |                               |               |                           |               |                                      |               |                           |               |
| 1st quarter       | 606                         | 232.67        | 0                         | --            | 606                           | 232.67        | 0                         | --            | 0                                    | --            | 0                         | --            |
| 2d quarter        | 319                         | 279.00        | 0                         | --            | 227                           | 277.53        | 0                         | --            | 92                                   | 282.61        | 0                         | --            |
| 3d quarter        | 0                           | --            | 49                        | 102.04        | 0                             | --            | 49                        | 102.04        | 0                                    | --            | 0                         | --            |
| 4th quarter       | 382                         | 138.74        | 59                        | 271.19        | 382                           | 138.74        | 59                        | 271.19        | 0                                    | --            | 0                         | --            |
| 1992 total        | 1,306                       | 216.69        | 108                       | 203.70        | 1,215                         | 211.52        | 108                       | 203.70        | 92                                   | 282.61        | 0                         | --            |

NA = not available.

Source: U.S. Department of Commerce. Columbia-Snake Customs District includes all Oregon ports plus Longview and Vancouver, Washington. Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver.

88 **Table 68--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1987-92**

(In thousand board feet, Scribner scale)

| Agency                                   | 1987      | 1988      | 1989      | 1990      | 1991      |          | 1992     |         |         |          |           | Total |
|------------------------------------------|-----------|-----------|-----------|-----------|-----------|----------|----------|---------|---------|----------|-----------|-------|
|                                          |           |           |           |           | Total     | 4th qtr. | 1st qtr. | 2d qtr. | 3d qtr. | 4th qtr. |           |       |
| Montana:                                 |           |           |           |           |           |          |          |         |         |          |           |       |
| USDA Forest Service <sup>a</sup>         | 502,115   | 428,062   | 408,764   | 304,366   | 344,196   | 105,771  | 56,785   | 81,447  | 157,672 | 35,383   | 331,288   |       |
| U.S. Bureau of Land Manage. <sup>b</sup> | 7,696     | 6,086     | 5,843     | 6,675     | 6,474     | 3,454    | 1,314    | 528     | 6,176   | 1,643    | 9,661     |       |
| U.S. Bureau of Indian Affairs            | 28,480    | 50,383    | 70,112    | 65,976    | 44,296    | 12,918   | 30,201   | 1,984   | 4,480   | 8,462    | 45,126    |       |
| State of Montana                         | 55,614    | 42,035    | 43,949    | 31,427    | 26,722    | 6,592    | 11,237   | 3,502   | 5,247   | 6,658    | 26,644    |       |
| Total                                    | 593,905   | 526,566   | 528,668   | 408,443   | 421,688   | 128,735  | 99,536   | 87,461  | 173,575 | 52,146   | 412,718   |       |
| Idaho:                                   |           |           |           |           |           |          |          |         |         |          |           |       |
| USDA Forest Service <sup>a</sup>         | 654,748   | 745,226   | 798,642   | 709,121   | 579,349   | 106,351  | 37,388   | 122,550 | 170,193 | 93,571   | 423,701   |       |
| U.S. Bureau of Land Manage. <sup>b</sup> | 16,374    | 8,058     | 16,407    | 8,877     | 24,224    | 9,917    | 661      | 3,623   | 257     | 3,604    | 8,145     |       |
| U.S. Bureau of Indian Affairs            | 4,214     | 2,718     | 7,310     | 1,205     | 558       | 0        | 0        | 0       | 0       | 1,645    | 1,645     |       |
| State of Idaho                           | 215,265   | 441,916   | 400,344   | 307,215   | 413,492   | 44,593   | 105,133  | 241,260 | 65,607  | 29,372   | 441,372   |       |
| Total                                    | 890,601   | 1,197,918 | 1,222,703 | 1,026,418 | 1,017,623 | 160,861  | 143,182  | 367,433 | 236,057 | 128,192  | 874,863   |       |
| All public lands:                        |           |           |           |           |           |          |          |         |         |          |           |       |
| USDA Forest Service <sup>a</sup>         | 1,156,863 | 1,173,288 | 1,207,406 | 1,013,486 | 923,544   | 212,122  | 94,173   | 203,997 | 327,865 | 128,954  | 754,989   |       |
| U.S. Bureau of Land Manage. <sup>b</sup> | 24,070    | 14,144    | 22,250    | 15,552    | 30,698    | 13,371   | 1,975    | 4,151   | 6,433   | 5,247    | 17,806    |       |
| U.S. Bureau of Indian Affairs            | 32,694    | 53,101    | 77,422    | 67,181    | 44,854    | 12,918   | 30,201   | 1,984   | 4,480   | 10,107   | 46,771    |       |
| State of Montana                         | 55,614    | 42,035    | 43,949    | 31,427    | 26,722    | 6,592    | 11,237   | 3,502   | 5,247   | 6,658    | 26,644    |       |
| State of Idaho                           | 215,265   | 441,916   | 400,344   | 307,215   | 413,492   | 44,593   | 105,133  | 241,260 | 65,607  | 29,372   | 441,372   |       |
| Total                                    | 1,484,506 | 1,724,484 | 1,751,371 | 1,434,861 | 1,439,310 | 289,596  | 242,718  | 454,894 | 409,632 | 180,338  | 1,287,581 |       |

<sup>a</sup> Convertible products only.

<sup>b</sup> Does not include cull log sales.

Source: Respective agencies listed.

**Table 69--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1987-92**

(In dollars per thousand board feet)

| Agency                                   | 1987  | 1988  | 1989   | 1990   | 1991    |          | 1992     |         |         |          |         |
|------------------------------------------|-------|-------|--------|--------|---------|----------|----------|---------|---------|----------|---------|
|                                          |       |       |        |        | Average | 4th qtr. | 1st qtr. | 2d qtr. | 3d qtr. | 4th qtr. | Average |
| Montana:                                 |       |       |        |        |         |          |          |         |         |          |         |
| USDA Forest Service <sup>a</sup>         | 35.71 | 47.40 | 97.37  | 119.43 | 105.01  | 133.53   | 195.54   | 151.99  | 139.81  | 145.31   | 152.94  |
| U.S. Bureau of Land Manage. <sup>b</sup> | 38.62 | 55.75 | 86.44  | 114.50 | 62.72   | 79.62    | 101.75   | 38.22   | 203.20  | 106.37   | 163.91  |
| U.S. Bureau of Indian Affairs            | 78.91 | 61.33 | 90.59  | 57.44  | 112.22  | 139.46   | 181.44   | 66.28   | 84.49   | 294.17   | 187.89  |
| State of Montana                         | 65.09 | 79.45 | 154.53 | 148.39 | 189.63  | 221.10   | 192.30   | 163.81  | 164.62  | 185.80   | 181.48  |
| Average                                  | 40.57 | 51.39 | 101.10 | 111.56 | 110.48  | 137.16   | 189.66   | 149.84  | 141.39  | 173.41   | 158.86  |
| Idaho:                                   |       |       |        |        |         |          |          |         |         |          |         |
| USDA Forest Service <sup>a</sup>         | 46.26 | 56.54 | 82.89  | 92.29  | 98.88   | 135.32   | 93.09    | 139.01  | 121.37  | 201.79   | 141.74  |
| U.S. Bureau of Land Manage. <sup>b</sup> | 33.56 | 78.10 | 60.38  | 87.96  | 50.21   | 53.97    | 33.63    | 156.06  | 45.12   | 44.74    | 93.37   |
| U.S. Bureau of Indian Affairs            | 79.58 | 31.71 | 76.29  | 150.63 | 147.07  | --       | --       | --      | --      | 145.54   | 145.54  |
| State of Idaho                           | 68.93 | 55.40 | 73.51  | 113.19 | 76.14   | 105.15   | 103.86   | 170.96  | 260.35  | 35.61    | 159.26  |
| Average                                  | 51.66 | 56.21 | 79.48  | 98.57  | 88.51   | 121.94   | 100.72   | 160.16  | 159.91  | 158.58   | 150.13  |
| All public lands:                        |       |       |        |        |         |          |          |         |         |          |         |
| USDA Forest Service <sup>a</sup>         | 41.68 | 53.21 | 87.80  | 100.44 | 101.17  | 134.43   | 154.86   | 144.20  | 130.24  | 186.29   | 146.65  |
| U.S. Bureau of Land Manage. <sup>b</sup> | 35.18 | 68.48 | 67.22  | 99.35  | 52.85   | 60.60    | 78.95    | 141.07  | 196.88  | 64.04    | 131.64  |
| U.S. Bureau of Indian Affairs            | 79.00 | 59.82 | 89.24  | 59.11  | 112.65  | 139.46   | 181.44   | 66.28   | 84.49   | 269.98   | 186.40  |
| State of Montana                         | 65.09 | 79.45 | 154.53 | 148.39 | 189.63  | 221.10   | 192.30   | 163.81  | 164.62  | 185.80   | 181.48  |
| State of Idaho                           | 68.93 | 55.40 | 73.51  | 113.19 | 76.14   | 105.15   | 103.86   | 170.96  | 260.35  | 35.61    | 159.26  |
| Average                                  | 47.23 | 54.74 | 86.01  | 102.27 | 94.95   | 128.71   | 137.19   | 158.17  | 152.06  | 162.86   | 152.93  |

<sup>a</sup> Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

<sup>b</sup> Does not include cull log prices.

Source: Respective agencies listed.

88 Table 70--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1981-92<sup>a</sup>

(In dollars per thousand board feet)

| Year and quarter | Douglas-fir | Ponderosa pine | Western white pine | Lodgepole pine | Engelmann spruce | Western hemlock | Cedars | Larch  | True firs | All species |
|------------------|-------------|----------------|--------------------|----------------|------------------|-----------------|--------|--------|-----------|-------------|
| 1981             | 44.20       | 74.20          | 149.70             | 54.50          | 63.00            | 61.40           | 95.60  | 67.20  | 78.40     | 63.90       |
| 1982             | 26.60       | 48.10          | 81.40              | 34.60          | 27.20            | 71.10           | 60.90  | 28.30  | 37.70     | 36.20       |
| 1983             | 42.50       | 60.50          | 96.30              | 34.10          | 55.20            | 47.50           | 142.80 | 51.00  | 65.10     | 53.70       |
| 1984             | 46.90       | 66.50          | 104.90             | 37.30          | 39.00            | 44.50           | 106.70 | 49.50  | 45.00     | 49.20       |
| 1985             | 34.10       | 58.70          | 108.30             | 28.40          | 37.70            | 35.70           | 91.50  | 35.00  | 32.70     | 37.80       |
| 1986             | 35.10       | 64.30          | 119.20             | 35.90          | 37.60            | 34.60           | 73.10  | 32.90  | 32.10     | 37.40       |
| 1987             | 46.60       | 127.80         | 115.50             | 46.20          | 57.20            | 71.10           | 133.40 | 45.10  | 42.90     | 54.70       |
| 1988             | 57.60       | 89.30          | 85.50              | 53.00          | 65.00            | 74.00           | 92.00  | 64.60  | 64.20     | 63.20       |
| 1989             | 108.45      | 151.14         | 126.21             | 122.69         | 143.73           | 130.80          | 147.07 | 123.52 | 132.99    | 121.53      |
| 1990             | 131.65      | 184.79         | 205.52             | 145.35         | 156.14           | 153.03          | 183.35 | 161.66 | 158.55    | 146.10      |
| 1991:            |             |                |                    |                |                  |                 |        |        |           |             |
| 1st quarter      | 96.20       | 146.98         | 278.76             | 110.62         | 107.68           | 88.54           | 214.82 | 97.73  | 84.70     | 115.28      |
| 2d quarter       | 120.90      | 146.84         | 132.39             | 114.54         | 101.49           | 97.66           | 169.22 | 136.45 | 98.97     | 118.65      |
| 3d quarter       | 143.82      | 201.01         | 198.08             | 138.13         | 169.53           | 111.41          | 252.29 | 169.73 | 146.32    | 153.49      |
| 4th quarter      | 143.19      | 102.49         | 203.76             | 154.79         | 149.81           | 195.55          | 236.67 | 206.33 | 170.13    | 168.70      |
| 1991 average     | 132.24      | 172.30         | 199.72             | 134.26         | 151.88           | 115.47          | 218.82 | 167.40 | 138.36    | 145.89      |
| 1992:            |             |                |                    |                |                  |                 |        |        |           |             |
| 1st quarter      | 246.93      | 152.13         | 208.13             | 199.18         | 158.95           | 224.48          | 103.13 | 193.44 | 191.90    | 215.24      |
| 2d quarter       | 236.95      | 172.19         | 242.98             | 246.87         | 167.80           | 224.86          | 126.95 | 161.47 | 206.77    | 198.73      |
| 3d quarter       | 161.35      | 280.48         | 226.90             | 235.42         | 230.76           | 196.85          | 274.85 | 246.50 | 194.34    | 213.26      |
| 4th quarter      | 271.45      | 97.03          | 289.15             | 206.73         | 215.48           | 248.06          | 340.66 | 297.43 | 234.15    | 234.03      |
| 1992 average     | 225.11      | 184.02         | 258.59             | 225.58         | 194.83           | 204.33          | 230.65 | 216.13 | 210.11    | 212.87      |

<sup>a</sup> Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota.

**Table 71--Volume and average value of timber harvested on the National Forests of the Northern Region, 1992**

(Volume in million board feet; value in dollars per thousand board feet)

| Quarter  | Beaverhead              |               | Bitterroot  |               | Clearwater             |               | Custer         |               | Deerlodge       |               |
|----------|-------------------------|---------------|-------------|---------------|------------------------|---------------|----------------|---------------|-----------------|---------------|
|          | Volume                  | Average value | Volume      | Average value | Volume                 | Average value | Volume         | Average value | Volume          | Average value |
| 1st qtr. | 0.4                     | 71.46         | 1.0         | 132.14        | 13.2                   | 114.71        | 1.2            | 48.03         | 3.8             | 75.77         |
| 2d qtr.  | .4                      | 159.72        | 2.7         | 14.79         | 23.8                   | 103.39        | .4             | 27.36         | 1.3             | 20.12         |
| 3d qtr.  | 2.7                     | 36.50         | 3.2         | 97.02         | 49.5                   | 72.43         | .6             | 14.46         | 4.0             | 116.13        |
| 4th qtr. | 1.9                     | 59.44         | 2.5         | 70.44         | 20.3                   | 63.64         | 2              | 10.08         | 2.4             | 63.61         |
| Total    | 5.4                     | 56.11         | 9.5         | 70.25         | 106.7                  | 82.87         | 2.3            | 33.39         | 11.5            | 80.71         |
|          | Flathead                |               | Gallatin    |               | Helena                 |               | Kootenai       |               | Lewis and Clark |               |
|          | Volume                  | Average value | Volume      | Average value | Volume                 | Average value | Volume         | Average value | Volume          | Average value |
| 1st qtr. | 8.5                     | 129.47        | .7          | 20.71         | 6.8                    | 76.53         | 36.4           | 136.97        | 5.5             | 45.25         |
| 2d qtr.  | 7.7                     | 97.23         | .6          | 18.32         | .9                     | 47.35         | 21.0           | 119.03        | 3.1             | 36.82         |
| 3d qtr.  | 24.5                    | 100.26        | 3.7         | 32.90         | 5.4                    | 53.91         | 67.2           | 128.43        | 7.3             | 56.57         |
| 4th qtr. | 22.4                    | 131.78        | 1.4         | 16.12         | 1.3                    | 30.84         | 57.9           | 151.50        | 3.7             | 134.39        |
| Total    | 63.1                    | 115.02        | 6.4         | 26.51         | 14.4                   | 62.00         | 182.6          | 136.37        | 19.5            | 65.06         |
|          | Lolo                    |               | Nezperce    |               | Panhandle <sup>a</sup> |               | Northern Idaho |               | Montana         |               |
|          | Volume                  | Average value | Volume      | Average value | Volume                 | Average value | Volume         | Average value | Volume          | Average value |
| 1st qtr. | 9.8                     | 111.19        | 17.8        | 83.16         | 26.2                   | 141.98        | 55.9           | 116.30        | 74.1            | 114.28        |
| 2d qtr.  | 14.3                    | 99.75         | 14.0        | 59.21         | 59.0                   | 123.19        | 90.9           | 105.99        | 52.4            | 95.06         |
| 3d qtr.  | 30.3                    | 99.83         | 27.7        | 64.11         | 75.9                   | 108.37        | 150.3          | 88.35         | 149.0           | 106.29        |
| 4th qtr. | 19.4                    | 93.64         | 27.3        | 35.60         | 36.1                   | 129.63        | 82.3           | 83.66         | 113.1           | 128.62        |
| Total    | 73.8                    | 99.70         | 86.8        | 58.27         | 197.2                  | 121.18        | 379.3          | 95.67         | 388.6           | 112.80        |
|          | Northeastern Washington |               | All Forests |               |                        |               |                |               |                 |               |
|          | Volume                  | Average value | Volume      | Average value |                        |               |                |               |                 |               |
| 1st qtr. | 1.3                     | 163.05        | 131.3       | 115.61        |                        |               |                |               |                 |               |
| 2d qtr.  | 5.9                     | 157.07        | 149.2       | 104.17        |                        |               |                |               |                 |               |
| 3d qtr.  | 2.7                     | 110.86        | 302.0       | 97.40         |                        |               |                |               |                 |               |
| 4th qtr. | 1.4                     | 39.91         | 196.8       | 109.18        |                        |               |                |               |                 |               |
| Total    | 11.3                    | 132.58        | 779.3       | 104.74        |                        |               |                |               |                 |               |

<sup>a</sup> Includes a small portion of the Forest that lies in northeastern Washington.

Source: Forest Service, U.S. Department of Agriculture. Northern Region includes northern Idaho and Montana and a small portion of northeastern Washington.

**Table 72--Average stumpage prices for sawtimber sold on National Forests by selected species, Intermountain Region, 1990-92<sup>a</sup>**

(In dollars per thousand board feet)

| Year and quarter | Douglas-fir | Lodgepole pine | Ponderosa pine | Engelmann spruce | Larch  | True firs | All species |
|------------------|-------------|----------------|----------------|------------------|--------|-----------|-------------|
| 1990:            |             |                |                |                  |        |           |             |
| 1st quarter      | 68.54       | 80.87          | 117.25         | --               | 120.69 | 34.14     | 86.91       |
| 2d quarter       | 67.31       | 70.54          | 139.73         | 95.03            | 63.27  | 87.98     | 90.62       |
| 3d quarter       | 54.85       | 68.50          | 105.98         | 87.93            | 25.52  | 87.72     | 81.66       |
| 4th quarter      | 84.38       | 56.87          | 180.33         | 170.41           | --     | 33.76     | 121.48      |
| 1990 average     | 64.63       | 69.78          | 131.28         | 95.21            | 117.12 | 76.56     | 90.31       |
| 1991:            |             |                |                |                  |        |           |             |
| 1st quarter      | 66.12       | 73.75          | 291.03         | 115.39           | --     | 16.00     | 183.15      |
| 2d quarter       | 82.15       | 71.28          | 118.39         | 124.25           | --     | 44.66     | 81.22       |
| 3d quarter       | 103.59      | 82.24          | 120.37         | 86.63            | 209.33 | 69.94     | 97.99       |
| 4th quarter      | 160.49      | 93.59          | 277.69         | 66.39            | --     | 92.14     | 165.63      |
| 1991 average     | 113.11      | 76.98          | 201.50         | 110.90           | 209.33 | 69.76     | 120.66      |
| 1992:            |             |                |                |                  |        |           |             |
| 1st quarter      | 152.25      | 91.05          | 363.85         | 85.17            | --     | 69.04     | 146.31      |
| 2d quarter       | 175.56      | 149.00         | 507.10         | 198.71           | --     | 135.30    | 175.16      |
| 3d quarter       | 120.12      | 147.44         | 332.40         | 112.01           | --     | 151.79    | 146.59      |
| 4th quarter      | 167.48      | 76.04          | 339.97         | 131.48           | 220.06 | 145.16    | 236.60      |
| 1992 average     | 138.42      | 138.67         | 358.45         | 164.31           | 220.06 | 131.04    | 170.00      |

<sup>a</sup> Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Intermountain Region includes eastern California, Nevada, Utah, and Wyoming.

**Table 73--Volume and average value of timber harvested on the National Forests of the Intermountain Region, 1992**

(Volume in million board feet; value in dollars per thousand board feet)

| Quarter  | Ashley         |               | Boise    |               | Bridger           |               | Caribou              |               | Challis     |               |
|----------|----------------|---------------|----------|---------------|-------------------|---------------|----------------------|---------------|-------------|---------------|
|          | Volume         | Average value | Volume   | Average value | Volume            | Average value | Volume               | Average value | Volume      | Average value |
| 1st qtr. | 0.6            | 80.94         | 20.8     | 113.45        | 0.3               | 30.09         | 1.8                  | 95.79         | 1.0         | 36.73         |
| 2d qtr.  | 1.8            | 36.93         | 15.7     | 98.67         | .6                | 23.61         | .6                   | 79.52         | .4          | 11.72         |
| 3d qtr.  | 10.0           | 25.84         | 25.2     | 104.68        | 4.9               | 32.43         | 3.3                  | 74.44         | .9          | 12.16         |
| 4th qtr. | 7.0            | 22.44         | 26.5     | 88.31         | 11.0              | 52.19         | 4.3                  | 30.18         | .6          | 20.57         |
| Total    | 19.3           | 27.32         | 88.2     | 100.76        | 16.8              | 44.99         | 9.9                  | 59.56         | 2.9         | 22.15         |
|          | Dixie          |               | Fishlake |               | Humboldt          |               | Manti-Lasal          |               | Payette     |               |
|          | Volume         | Average value | Volume   | Average value | Volume            | Average value | Volume               | Average value | Volume      | Average value |
| 1st qtr. | 2.2            | 53.99         | .3       | 9.51          | .2                | 9.86          | 0                    | --            | 17.7        | 173.43        |
| 2d qtr.  | .1             | 8.81          | .5       | 9.30          | 0                 | --            | .3                   | -6.34         | 11.0        | 221.82        |
| 3d qtr.  | 6.4            | 47.82         | 2.5      | 72.22         | .2                | 13.62         | .9                   | 29.78         | 32.6        | 121.59        |
| 4th qtr. | 7.2            | 62.44         | .4       | 25.46         | .2                | 11.29         | 2.7                  | 17.15         | 30.0        | 111.70        |
| Total    | 16.0           | 54.93         | 3.8      | 53.47         | .6                | 11.79         | 4.0                  | 18.23         | 91.3        | 140.46        |
|          | Salmon         |               | Sawtooth |               | Targhee           |               | Toiyabe <sup>a</sup> |               | Wasatch     |               |
|          | Volume         | Average value | Volume   | Average value | Volume            | Average value | Volume               | Average value | Volume      | Average value |
| 1st qtr. | 2.7            | 154.35        | .4       | 16.76         | 3.7               | 49.26         | 1.7                  | 106.04        | 1.8         | 56.27         |
| 2d qtr.  | 2.4            | 24.33         | .9       | 7.04          | 1.0               | 38.30         | 1.2                  | 52.42         | 1.2         | 35.33         |
| 3d qtr.  | 10.5           | 90.88         | 2.8      | 10.88         | 15.8              | 41.22         | 1.5                  | 72.04         | 3.4         | 17.64         |
| 4th qtr. | 8.9            | 98.15         | 5.4      | 11.02         | 17.2              | 34.27         | 1.1                  | 42.99         | 3.3         | 29.99         |
| Total    | 24.6           | 93.97         | 9.5      | 10.80         | 37.7              | 38.75         | 5.6                  | 72.19         | 9.7         | 38.75         |
|          | Southern Idaho |               | Nevada   |               | Utah <sup>b</sup> |               | Wyoming              |               | All Forests |               |
|          | Volume         | Average value | Volume   | Average value | Volume            | Average value | Volume               | Average value | Volume      | Average value |
| 1st qtr. | 47.1           | 132.18        | 4        | 13.25         | 5.0               | 54.73         | 1.2                  | 20.64         | 55.1        | 121.61        |
| 2d qtr.  | 32.2           | 129.15        | .5       | 12.09         | 4.0               | 28.58         | .6                   | 23.60         | 37.9        | 114.55        |
| 3d qtr.  | 89.6           | 93.77         | .4       | 12.76         | 24.8              | 37.07         | 6.5                  | 39.66         | 122.6       | 79.04         |
| 4th qtr. | 92.5           | 79.50         | .6       | 13.08         | 23.0              | 46.08         | 11.7                 | 49.31         | 128.5       | 70.34         |
| Total    | 261.3          | 100.00        | 1.9      | 12.79         | 56.7              | 41.68         | 20.0                 | 43.67         | 344.1       | 86.52         |

<sup>a</sup> Includes a small portion of the Forest that lies in California.

<sup>b</sup> Includes a very small volume from the Uinta National Forest.

Source: Forest Service, U.S. Department of Agriculture. Intermountain Region includes Idaho, Nevada, Utah, and Wyoming

**Table 74--Volume of timber sold on publicly owned or managed lands in California, 1987-92**

(In thousand board feet, Scribner scale)

| Agency                                   | 1987      | 1988      | 1989      | 1990      | 1991    |          | 1992     |         |         |          |           |
|------------------------------------------|-----------|-----------|-----------|-----------|---------|----------|----------|---------|---------|----------|-----------|
|                                          |           |           |           |           | Total   | 4th qtr. | 1st qtr. | 2d qtr. | 3d qtr. | 4th qtr. | Total     |
| USDA Forest Service <sup>a</sup>         | 1,627,653 | 2,027,116 | 1,440,482 | 1,585,813 | 729,711 | 149,280  | 70,966   | 124,336 | 226,396 | 816,563  | 1,238,351 |
| U.S. Bureau of Land Manage. <sup>b</sup> | 19,685    | 12,167    | 11,907    | 10,129    | 10,981  | 1,399    | 609      | 2,112   | 4,414   | 3,285    | 10,420    |
| U.S. Bureau of Indian Affairs            | 10,036    | 0         | 7,185     | 48,871    | 18,468  | 0        | 0        | 9,748   | NA      | NA       | NA        |
| State of California                      | 40,300    | 34,129    | 36,158    | 33,187    | 36,318  | 16,834   | 2,430    | 1,096   | 9,490   | 10,454   | 23,470    |
| Total                                    | 1,697,674 | 2,073,412 | 1,495,732 | 1,678,000 | 795,478 | 167,513  | 74,005   | 137,292 | NA      | NA       | NA        |

NA = not available.

<sup>a</sup> Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.<sup>b</sup> Does not include cull log sales or volume given away through free use permits.

Source: Respective agencies listed.

**Table 75--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1987-92**

(In dollars per thousand board feet)

| Agency                                   | 1987   | 1988   | 1989   | 1990   | 1991    |          | 1992     |         |         |          |         |
|------------------------------------------|--------|--------|--------|--------|---------|----------|----------|---------|---------|----------|---------|
|                                          |        |        |        |        | Average | 4th qtr. | 1st qtr. | 2d qtr. | 3d qtr. | 4th qtr. | Average |
| USDA Forest Service <sup>a b</sup>       | 110.02 | 118.20 | 154.12 | 142.62 | 152.10  | 121.74   | 177.92   | 263.63  | 184.09  | 85.08    | 126.43  |
| U.S. Bureau of Land Manage. <sup>c</sup> | 106.09 | 158.09 | 121.12 | 122.25 | 168.47  | 69.99    | 11.97    | 239.65  | 294.22  | 216.65   | 242.21  |
| U.S. Bureau of Indian Affairs            | 84.66  | --     | 323.14 | 268.53 | 331.32  | --       | --       | 312.63  | NA      | NA       | NA      |
| State of California                      | 123.06 | 145.16 | 223.02 | 269.24 | 332.77  | 382.27   | 291.00   | 300.04  | 504.89  | 484.10   | 463.92  |
| Average                                  | 110.14 | 118.88 | 156.34 | 148.67 | 164.74  | 147.49   | 180.27   | 267.03  | NA      | NA       | NA      |

NA = not available.

<sup>a</sup> Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

<sup>b</sup> Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

<sup>c</sup> Does not include cull log sales or volume given away through free use permits.

Source: Respective agencies listed.

**Table 76--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1981-92<sup>a</sup>**

(In dollars per thousand board feet)

| Year and quarter | Douglas-fir | Ponderosa and Jeffrey pines | Sugar pine | Lodgepole pine | Cedars | True firs | All species |
|------------------|-------------|-----------------------------|------------|----------------|--------|-----------|-------------|
| 1981             | 146.70      | 196.20                      | 224.10     | 123.60         | 108.20 | 90.30     | 156.10      |
| 1982             | 50.00       | 66.90                       | 72.00      | 27.80          | 70.30  | 36.30     | 54.50       |
| 1983             | 63.30       | 104.00                      | 136.70     | 28.80          | 84.60  | 53.80     | 76.90       |
| 1984             | 61.30       | 122.70                      | 84.30      | 17.00          | 76.70  | 48.30     | 75.20       |
| 1985             | 63.00       | 101.40                      | 109.70     | 17.90          | 112.90 | 33.60     | 69.80       |
| 1986             | 66.49       | 125.62                      | 134.43     | 10.82          | 132.69 | 46.08     | 87.23       |
| 1987             | 81.15       | 209.31                      | 287.63     | 11.40          | 138.66 | 49.90     | 124.89      |
| 1988             | 95.64       | 182.14                      | 260.43     | 43.20          | 190.90 | 68.89     | 135.65      |
| 1989             | 201.26      | 291.96                      | 289.15     | 57.02          | 153.30 | 88.30     | 177.60      |
| 1990             | 218.91      | 217.62                      | 285.13     | 84.12          | 231.48 | 85.02     | 166.25      |
| 1991:            |             |                             |            |                |        |           |             |
| 1st quarter      | 175.26      | 221.89                      | 346.83     | 118.93         | 320.50 | 129.08    | 181.80      |
| 2d quarter       | 144.59      | 237.46                      | 146.00     | 20.39          | 231.86 | 68.23     | 138.08      |
| 3d quarter       | 189.40      | 319.23                      | 163.75     | 37.12          | 135.90 | 75.60     | 160.37      |
| 4th quarter      | 210.95      | 142.97                      | 327.52     | 13.91          | 234.44 | 84.63     | 150.47      |
| 1991 average     | 186.62      | 237.62                      | 241.25     | 80.05          | 184.64 | 83.08     | 156.70      |
| 1992:            |             |                             |            |                |        |           |             |
| 1st quarter      | 445.88      | 232.32                      | 376.29     | 280.39         | 279.93 | 178.75    | 238.58      |
| 2d quarter       | 292.99      | 600.52                      | 573.70     | 21.76          | 542.32 | 251.96    | 410.85      |
| 3d quarter       | 286.67      | 374.99                      | 368.36     | 201.06         | 329.26 | 185.14    | 245.55      |
| 4th quarter      | 333.82      | 226.93                      | 556.50     | 59.20          | 357.67 | 115.51    | 191.05      |
| 1992 average     | 320.19      | 292.30                      | 491.64     | 90.80          | 374.41 | 156.15    | 234.05      |

<sup>a</sup> Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

Source: Forest Service, U.S. Department of Agriculture. Pacific Southwest Region includes California and Hawaii.

**Table 77--Volume and average value of timber harvested on the National Forests of the Pacific Southwest Region, 1992**

(Volume in million board feet; value in dollars per thousand board feet)

| Quarter  | Angeles        |               | Cleveland  |               | Eldorado  |               | Inyo               |               | Klamath <sup>a</sup> |               |
|----------|----------------|---------------|------------|---------------|-----------|---------------|--------------------|---------------|----------------------|---------------|
|          | Volume         | Average value | Volume     | Average value | Volume    | Average value | Volume             | Average value | Volume               | Average value |
| 1st qtr. | 0              | --            | .1         | 29.11         | 3.5       | 18.38         | 6.3                | 296.67        | 10.9                 | 90.94         |
| 2d qtr.  | 0              | --            | 0          | --            | 33.8      | 132.35        | 3.0                | 139.47        | 22.3                 | 190.26        |
| 3d qtr.  | .1             | 58.38         | 0          | --            | 57.2      | 130.38        | 1.5                | 26.35         | 24.0                 | 241.79        |
| 4th qtr. | .1             | 56.86         | .1         | 14.01         | 32.8      | 168.24        | 1.1                | 23.91         | 6.3                  | 118.52        |
| Total    | .2             | 57.69         | .3         | 25.62         | 127.3     | 137.57        | 11.9               | 197.78        | 63.5                 | 185.54        |
|          | Lassen         |               | Los Padres |               | Mendocino |               | Modoc              |               | Plumas               |               |
|          | Volume         | Average value | Volume     | Average value | Volume    | Average value | Volume             | Average value | Volume               | Average value |
| 1st qtr. | 5.2            | 97.68         | 0          | --            | .9        | 335.60        | 4.5                | 359.87        | 9.4                  | 75.20         |
| 2d qtr.  | 34.2           | 274.92        | .1         | 18.23         | 8.4       | 257.56        | 8.0                | 292.59        | 39.6                 | 261.15        |
| 3d qtr.  | 48.0           | 172.02        | 0          | --            | 3.1       | 166.30        | 18.7               | 176.40        | 60.6                 | 180.29        |
| 4th qtr. | 24.3           | 179.59        | .2         | 20.75         | 2.7       | 64.05         | 11.6               | 190.20        | 34.4                 | 132.40        |
| Total    | 111.8          | 201.69        | .4         | 19.80         | 15.1      | 208.77        | 42.9               | 221.20        | 144.0                | 184.27        |
|          | San Bernardino |               | Sequoia    |               | Shasta    |               | Sierra             |               | Six Rivers           |               |
|          | Volume         | Average value | Volume     | Average value | Volume    | Average value | Volume             | Average value | Volume               | Average value |
| 1st qtr. | 0              | --            | 2.2        | 87.03         | 6.0       | 213.45        | 7.0                | 63.80         | 2.2                  | 178.64        |
| 2d qtr.  | .6             | 28.03         | 18.0       | 164.02        | 36.8      | 207.04        | 21.7               | 163.39        | 19.7                 | 280.39        |
| 3d qtr.  | 1.8            | 30.41         | 17.6       | 112.49        | 31.8      | 229.45        | 38.0               | 163.31        | 19.8                 | 233.07        |
| 4th qtr. | .4             | 46.35         | 17.2       | 85.25         | 15.9      | 246.91        | 24.1               | 139.81        | 7.0                  | 273.26        |
| Total    | 2.8            | 32.39         | 55.1       | 119.80        | 90.6      | 222.34        | 90.8               | 149.39        | 48.8                 | 255.48        |
|          | Stanislaus     |               | Tahoe      |               | Trinity   |               | LTBMU <sup>b</sup> |               | All Forests          |               |
|          | Volume         | Average value | Volume     | Average value | Volume    | Average value | Volume             | Average value | Volume               | Average value |
| 1st qtr. | 8.9            | 195.15        | 2.6        | 123.55        | .5        | 89.08         | .9                 | 30.90         | 71.3                 | 147.67        |
| 2d qtr.  | 33.0           | 94.84         | 16.5       | 180.24        | 9.8       | 250.81        | 1.2                | 59.07         | 307.0                | 201.12        |
| 3d qtr.  | 37.9           | 85.74         | 31.5       | 174.78        | 18.8      | 227.67        | 2.3                | 77.25         | 412.9                | 168.80        |
| 4th qtr. | 22.5           | 96.74         | 13.3       | 169.18        | 15.7      | 220.30        | .4                 | 42.25         | 230.4                | 157.25        |
| Total    | 102.4          | 100.63        | 63.9       | 172.93        | 44.9      | 228.65        | 4.8                | 61.26         | 1,021.6              | 174.43        |

<sup>a</sup> Includes a small portion of the Forest that lies in southern Oregon.

<sup>b</sup> Lake Tahoe Basin Management Unit.

Source: Forest Service, U.S. Department of Agriculture. Pacific Southwest Region includes California and Hawaii.

**Table 78—Monthly stumpage volume and average value of timber sold on National Forest lands in Washington and Oregon, 1990-92**

(Volume in million board feet; average value in dollars per thousand board feet)

| Year and month | East side    |               | West side    |               | Pacific Northwest Region |               |
|----------------|--------------|---------------|--------------|---------------|--------------------------|---------------|
|                | Volume       | Average value | Volume       | Average value | Volume                   | Average value |
| <b>1990:</b>   |              |               |              |               |                          |               |
| January        | 78           | 116.05        | 94           | 323.84        | 172                      | 229.65        |
| February       | 43           | 231.75        | 14           | 305.01        | 57                       | 250.07        |
| March          | 113          | 149.96        | 140          | 404.55        | 253                      | 290.51        |
| April          | 119          | 187.95        | 91           | 398.35        | 210                      | 279.61        |
| May            | 64           | 183.74        | 173          | 365.20        | 237                      | 315.92        |
| June           | 102          | 147.91        | 201          | 390.77        | 303                      | 309.01        |
| July           | 68           | 175.34        | 360          | 344.58        | 428                      | 317.47        |
| August         | 166          | 138.41        | 549          | 301.78        | 715                      | 263.88        |
| September      | 571          | 157.89        | 1,357        | 283.47        | 1,928                    | 246.27        |
| October        | 7            | 67.33         | 7            | 193.81        | 14                       | 133.70        |
| November       | 4            | 73.19         | a            | 193.77        | 5                        | 82.04         |
| December       | 122          | 136.95        | 4            | 227.91        | 126                      | 139.59        |
| <b>Total</b>   | <b>1,457</b> | <b>156.28</b> | <b>2,990</b> | <b>316.37</b> | <b>4,447</b>             | <b>263.91</b> |
| <b>1991:</b>   |              |               |              |               |                          |               |
| January        | 88           | 105.24        | a            | 195.00        | 88                       | 105.26        |
| February       | 11           | 73.45         | a            | 73.89         | 11                       | 73.47         |
| March          | 112          | 112.98        | 5            | 309.17        | 117                      | 121.72        |
| April          | 32           | 135.50        | 1            | 150.21        | 33                       | 135.77        |
| May            | 25           | 187.46        | 3            | 144.13        | 28                       | 182.50        |
| June           | 22           | 124.63        | 1            | 310.88        | 23                       | 130.04        |
| July           | 21           | 171.26        | 12           | 305.76        | 33                       | 220.09        |
| August         | 49           | 181.32        | 14           | 317.59        | 63                       | 211.16        |
| September      | 232          | 222.96        | 141          | 313.83        | 373                      | 257.31        |
| October        | 8            | 107.16        | 7            | 452.87        | 15                       | 273.32        |
| November       | 14           | 193.20        | 8            | 139.72        | 22                       | 172.96        |
| December       | 36           | 171.49        | 2            | 325.19        | 38                       | 178.74        |
| <b>Total</b>   | <b>650</b>   | <b>166.82</b> | <b>194</b>   | <b>307.60</b> | <b>844</b>               | <b>199.18</b> |
| <b>1992:</b>   |              |               |              |               |                          |               |
| January        | 24           | 271.94        | 9            | 473.86        | 33                       | 325.63        |
| February       | 31           | 161.43        | 10           | 479.03        | 41                       | 242.55        |
| March          | 16           | 386.49        | 3            | 458.48        | 19                       | 397.14        |
| April          | 6            | 169.32        | 6            | 319.11        | 12                       | 242.99        |
| May            | 30           | 190.28        | 3            | 143.15        | 33                       | 186.71        |
| June           | 29           | 399.68        | 9            | 283.89        | 38                       | 373.42        |
| July           | 18           | 343.87        | 5            | 146.36        | 23                       | 301.09        |
| August         | 25           | 329.30        | 4            | 370.67        | 29                       | 334.43        |
| September      | 94           | 251.35        | 32           | 352.89        | 126                      | 277.11        |
| October        | 41           | 156.11        | 5            | 249.10        | 46                       | 167.15        |
| November       | 39           | 165.42        | 3            | 83.93         | 42                       | 159.55        |
| December       | 115          | 370.55        | 6            | 455.60        | 121                      | 374.82        |
| <b>Total</b>   | <b>469</b>   | <b>277.03</b> | <b>94</b>    | <b>349.41</b> | <b>563</b>               | <b>289.15</b> |

<sup>a</sup> Less than 1 million board feet.

Source: Forest Service, U.S. Department of Agriculture.

**Table 79--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1988-92**

(In thousand board feet, Scribner scale)

|                                  |           |           |           | 1991      |          | 1992     |         |         |          |           |  |
|----------------------------------|-----------|-----------|-----------|-----------|----------|----------|---------|---------|----------|-----------|--|
| Agency                           | 1988      | 1989      | 1990      | Total     | 4th qtr. | 1st qtr. | 2d qtr. | 3d qtr. | 4th qtr. | Total     |  |
| Western Washington:              |           |           |           |           |          |          |         |         |          |           |  |
| USDA Forest Service <sup>a</sup> | 846,309   | 313,920   | 913,998   | 91,442    | 19,735   | 5,294    | 14,558  | 13,133  | 38,437   | 71,422    |  |
| U.S. Bur. Land Mgmt.             | 0         | 0         | 0         | 0         | 0        | 0        | 0       | 0       | 0        | 0         |  |
| U.S. Bur. Indian Aff.            | 60,138    | 22,502    | 45,750    | 83,584    | 15,974   | 6,436    | 3,426   | 8,055   | 12,529   | 30,446    |  |
| State of Washington <sup>b</sup> | 690,735   | 739,610   | 697,784   | 387,025   | 53,552   | 80,267   | 111,497 | 64,014  | 73,192   | 328,970   |  |
| Total                            | 1,597,182 | 1,076,032 | 1,657,532 | 562,051   | 89,261   | 91,997   | 129,481 | 85,202  | 124,158  | 430,838   |  |
| Eastern Washington:              |           |           |           |           |          |          |         |         |          |           |  |
| USDA Forest Service <sup>a</sup> | 435,615   | 312,430   | 437,407   | 130,184   | 9,188    | 24,932   | 23,944  | 15,513  | 18,652   | 83,041    |  |
| U.S. Bur. Land Mgmt.             | 3,212     | 0         | 0         | 5,860     | 0        | 0        | 3,274   | 0       | 0        | 3,274     |  |
| U.S. Bur. Indian Aff.            | 147,407   | 134,008   | 132,307   | 130,154   | 55,488   | 17,964   | 43,556  | 36,688  | 8,871    | 107,079   |  |
| State of Washington <sup>b</sup> | 117,565   | 100,590   | 61,200    | 67,255    | 10,085   | 10,685   | 13,830  | 21,686  | 1,930    | 48,131    |  |
| Total                            | 703,799   | 547,028   | 630,914   | 333,453   | 74,761   | 53,581   | 84,604  | 73,887  | 29,453   | 241,525   |  |
| Western Oregon:                  |           |           |           |           |          |          |         |         |          |           |  |
| USDA Forest Service <sup>a</sup> | 2,317,248 | 828,416   | 2,457,087 | 205,207   | 37,882   | 66,126   | 34,067  | 43,019  | 46,841   | 190,053   |  |
| U.S. Bur. Land Mgmt.             | 914,107   | 703,509   | 1,082,971 | 520,921   | 35,274   | 5,304    | 16,619  | 3,202   | 3,309    | 28,434    |  |
| U.S. Bur. Indian Aff.            | 14,274    | 5,700     | 6,760     | 18,700    | 0        | 2,751    | 0       | 0       | 0        | 2,751     |  |
| State of Oregon                  | 202,060   | 199,194   | 89,139    | 177,324   | 55,337   | 18,104   | 43,737  | 19,852  | 32,024   | 113,717   |  |
| Total                            | 3,447,689 | 1,736,819 | 3,635,957 | 922,152   | 128,493  | 92,285   | 94,423  | 66,073  | 82,174   | 334,955   |  |
| Eastern Oregon:                  |           |           |           |           |          |          |         |         |          |           |  |
| USDA Forest Service <sup>a</sup> | 1,307,468 | 973,451   | 1,061,917 | 637,069   | 163,545  | 79,566   | 95,378  | 95,319  | 152,132  | 422,395   |  |
| U.S. Bur. Land Mgmt.             | 20,237    | 15,812    | 42,695    | 4,630     | 1,055    | 10,039   | 0       | 9,276   | 195      | 19,510    |  |
| U.S. Bur. Indian Aff.            | 94,379    | 92,380    | 70,543    | 55,360    | 0        | 0        | 0       | 0       | 0        | 0         |  |
| State of Oregon                  | 2,411     | 2,536     | 3,270     | 3,150     | 0        | 0        | 0       | 2,149   | 428      | 2,577     |  |
| Total                            | 1,424,495 | 1,084,189 | 1,178,425 | 700,209   | 164,600  | 89,605   | 95,378  | 106,744 | 152,755  | 444,482   |  |
| All public lands:                |           |           |           |           |          |          |         |         |          |           |  |
| USDA Forest Service <sup>a</sup> | 4,906,640 | 2,428,217 | 4,870,409 | 1,063,902 | 230,350  | 175,918  | 167,947 | 166,984 | 256,062  | 766,911   |  |
| U.S. Bur. Land Mgmt.             | 937,556   | 719,321   | 1,125,665 | 531,411   | 36,329   | 15,343   | 19,893  | 12,478  | 3,504    | 51,218    |  |
| U.S. Bur. Indian Aff.            | 316,198   | 254,590   | 255,360   | 287,798   | 71,462   | 27,151   | 46,982  | 44,743  | 21,400   | 140,276   |  |
| State of Washington <sup>b</sup> | 808,300   | 840,200   | 758,984   | 454,280   | 63,637   | 90,952   | 125,327 | 85,700  | 75,122   | 377,101   |  |
| State of Oregon                  | 204,471   | 201,730   | 92,409    | 180,474   | 55,337   | 18,104   | 43,737  | 22,001  | 32,452   | 116,294   |  |
| Total                            | 7,173,165 | 4,444,058 | 7,102,827 | 2,517,864 | 457,114  | 327,468  | 403,886 | 331,906 | 388,540  | 1,451,800 |  |

<sup>a</sup> Convertible products only.

<sup>b</sup> Excludes sales under \$20,000.

Source: Respective agencies listed.

**Table 80—Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1988-92**

(In dollars per thousand board feet)

| Agency                           | 1988   | 1989   | 1990   | 1991   |          | 1992   |         |         |          |        |
|----------------------------------|--------|--------|--------|--------|----------|--------|---------|---------|----------|--------|
|                                  |        |        |        | Total  | 4th qtr. | 1st    | 2d qtr. | 3d qtr. | 4th qtr. | Total  |
| Western Washington:              |        |        |        |        |          |        |         |         |          |        |
| USDA Forest Service <sup>a</sup> | 167.15 | 238.55 | 254.48 | 171.26 | 175.61   | 158.32 | 250.51  | 160.11  | 122.30   | 158.06 |
| U.S. Bur. Land Mgmt.             | --     | --     | --     | --     | --       | --     | --      | --      | --       | --     |
| U.S. Bur. Indian Aff.            | 155.36 | 175.31 | 197.11 | 178.50 | 173.35   | 112.10 | 241.18  | 270.65  | 253.53   | 226.77 |
| State of Washington <sup>b</sup> | 270.12 | 341.53 | 338.56 | 303.02 | 301.35   | 329.70 | 301.06  | 352.99  | 481.28   | 358.25 |
| Average                          | 211.24 | 308.01 | 288.29 | 263.06 | 250.64   | 304.62 | 293.80  | 315.48  | 347.16   | 315.77 |
| Eastern Washington:              |        |        |        |        |          |        |         |         |          |        |
| USDA Forest Service <sup>a</sup> | 85.23  | 100.23 | 100.87 | 65.08  | 84.41    | 129.56 | 149.17  | 120.12  | 110.75   | 129.23 |
| U.S. Bur. Land Mgmt.             | 50.44  | --     | --     | 182.48 | --       | --     | 229.22  | --      | --       | 229.22 |
| U.S. Bur. Indian Aff.            | 130.84 | 256.42 | 258.47 | 219.37 | 251.82   | 256.98 | 410.05  | 240.14  | 262.77   | 313.95 |
| State of Washington <sup>b</sup> | 178.66 | 224.82 | 247.46 | 192.61 | 274.49   | 290.71 | 510.56  | 350.80  | 352.41   | 383.43 |
| Average                          | 110.23 | 161.40 | 148.14 | 153.09 | 234.30   | 204.42 | 345.65  | 247.42  | 172.37   | 263.14 |
| Western Oregon:                  |        |        |        |        |          |        |         |         |          |        |
| USDA Forest Service <sup>a</sup> | 194.75 | 278.36 | 369.31 | 253.12 | 260.89   | 371.64 | 307.08  | 306.29  | 308.81   | 329.79 |
| U.S. Bur. Land Mgmt.             | 157.59 | 295.35 | 306.30 | 312.04 | 319.82   | 285.16 | 112.12  | 304.89  | 208.50   | 177.32 |
| U.S. Bur. Indian Aff.            | 200.87 | 307.13 | 405.32 | 358.87 | --       | 527.00 | --      | --      | --       | 527.00 |
| State of Oregon                  | 244.76 | 340.55 | 365.75 | 316.43 | 338.64   | 467.76 | 450.45  | 456.33  | 636.51   | 506.63 |
| Average                          | 187.85 | 292.47 | 350.52 | 300.73 | 310.55   | 390.16 | 339.17  | 351.30  | 432.48   | 378.50 |
| Eastern Oregon:                  |        |        |        |        |          |        |         |         |          |        |
| USDA Forest Service <sup>a</sup> | 153.51 | 181.05 | 161.81 | 155.98 | 192.92   | 138.55 | 226.62  | 245.11  | 149.94   | 186.59 |
| U.S. Bur. Land Mgmt.             | 51.08  | 134.65 | 68.14  | 236.82 | 245.03   | 83.17  | --      | 112.60  | 141.05   | 97.74  |
| U.S. Bur. Indian Aff.            | 177.67 | 139.94 | 197.49 | 160.20 | --       | --     | --      | --      | --       | --     |
| State of Oregon                  | 158.58 | 75.71  | 269.71 | 198.78 | --       | --     | --      | 462.78  | 9.35     | 387.53 |
| Average                          | 153.66 | 176.63 | 160.85 | 157.04 | 193.26   | 132.34 | 226.62  | 237.98  | 149.54   | 183.85 |
| All public lands:                |        |        |        |        |          |        |         |         |          |        |
| USDA Forest Service <sup>a</sup> | 169.28 | 211.29 | 278.41 | 164.91 | 198.29   | 225.49 | 233.97  | 242.58  | 172.00   | 213.21 |
| U.S. Bur. Land Mgmt.             | 154.92 | 291.82 | 297.27 | 309.96 | 317.65   | 153.00 | 131.39  | 161.94  | 204.74   | 150.33 |
| U.S. Bur. Indian Aff.            | 152.64 | 208.12 | 234.52 | 205.18 | 234.28   | 249.99 | 397.74  | 245.63  | 257.36   | 299.21 |
| State of Washington <sup>b</sup> | 256.82 | 327.56 | 331.21 | 286.67 | 297.09   | 325.12 | 324.18  | 352.44  | 477.97   | 361.47 |
| State of Oregon                  | 243.74 | 337.22 | 362.35 | 314.38 | 338.64   | 467.76 | 450.45  | 456.96  | 628.25   | 503.99 |
| Average                          | 178.65 | 251.84 | 286.56 | 232.81 | 244.15   | 265.19 | 299.40  | 282.53  | 274.26   | 281.10 |

<sup>a</sup> Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

<sup>b</sup> Excludes sales under \$20,000.

Source: Respective agencies listed.

**Table 81--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1981-92<sup>a</sup>**

(In dollars per thousand board feet)

| Year and quarter | Douglas-fir |           | Ponderosa and Jeffrey pines | Sugar pine | White pine | Lodgepole pine | Engelmann spruce | Sitka spruce | Western hemlock | Cedars <sup>b</sup> | Larch  | Noble fir and Shasta red fir | Other true firs | All species |
|------------------|-------------|-----------|-----------------------------|------------|------------|----------------|------------------|--------------|-----------------|---------------------|--------|------------------------------|-----------------|-------------|
|                  | West side   | East side |                             |            |            |                |                  |              |                 |                     |        |                              |                 |             |
| 1981             | 350.20      | 94.00     | 206.40                      | 174.50     | 100.60     | 36.60          | 15.00            | 238.00       | 162.00          | 168.70              | 69.70  | 147.30                       | 103.80          | 230.60      |
| 1982             | 118.20      | 5.80      | 78.60                       | 83.60      | 50.00      | 17.40          | 19.50            | 49.50        | 44.60           | 101.90              | 37.50  | 28.40                        | 40.00           | 80.20       |
| 1983             | 161.60      | 37.60     | 134.30                      | 131.80     | 74.30      | 20.20          | 28.70            | 30.00        | 61.90           | 88.70               | 31.80  | 42.40                        | 58.30           | 112.50      |
| 1984             | 132.90      | 43.00     | 143.70                      | 201.80     | 93.20      | 21.20          | 21.00            | 52.10        | 61.20           | 186.60              | 42.50  | 92.60                        | 43.50           | 94.60       |
| 1985             | 126.20      | 32.20     | 166.00                      | 192.60     | 109.30     | 14.20          | 18.40            | 77.70        | 50.00           | 123.70              | 50.60  | 57.60                        | 41.20           | 101.40      |
| 1986             | 160.70      | 34.10     | 196.30                      | 199.10     | 116.70     | 9.40           | 38.10            | 93.90        | 74.10           | 156.30              | 48.50  | 84.30                        | 47.70           | 127.90      |
| 1987             | 190.20      | 46.00     | 267.10                      | 300.60     | 220.10     | 18.00          | 24.00            | 81.20        | 103.70          | 192.40              | 46.30  | 101.90                       | 63.70           | 161.50      |
| 1988             | 256.04      | 83.52     | 295.45                      | 253.55     | 236.83     | 40.38          | 51.92            | 98.28        | 161.86          | 259.18              | 80.74  | 134.21                       | 89.94           | 206.40      |
| 1989             | 389.80      | 161.60    | 323.44                      | 292.91     | 272.66     | 68.90          | 105.94           | 87.51        | 222.47          | 158.06              | 132.73 | 203.00                       | 149.42          | 268.37      |
| 1990             | 466.35      | 149.07    | 297.78                      | 341.35     | 262.42     | 59.39          | 96.80            | 138.53       | 203.04          | 266.30              | 141.66 | 407.83                       | 161.08          | 330.00      |
| 1991:            |             |           |                             |            |            |                |                  |              |                 |                     |        |                              |                 |             |
| 1st quarter      | 380.13      | 90.65     | 268.32                      | 316.10     | 342.14     | 78.28          | 75.45            | --           | 154.48          | 172.91              | 96.89  | 140.44                       | 123.53          | 206.51      |
| 2d quarter       | 435.50      | 82.18     | 327.61                      | 193.22     | 78.04      | 86.12          | 102.59           | 225.00       | 137.15          | 146.30              | 61.99  | 165.67                       | 146.28          | 204.75      |
| 3d quarter       | 397.34      | 90.00     | 303.10                      | 317.13     | 206.57     | 96.82          | 96.10            | 183.70       | 188.85          | 548.75              | 114.75 | 519.71                       | 118.13          | 232.47      |
| 4th quarter      | 403.18      | 178.79    | 412.91                      | 400.53     | 255.59     | 100.01         | 286.15           | --           | 183.20          | 171.96              | 122.66 | 207.14                       | 200.00          | 263.45      |
| 1991 average     | 394.95      | 110.03    | 322.50                      | 335.70     | 187.53     | 92.40          | 141.31           | 219.92       | 164.10          | 284.94              | 94.24  | 279.49                       | 142.37          | 224.61      |
| 1992:            |             |           |                             |            |            |                |                  |              |                 |                     |        |                              |                 |             |
| 1st quarter      | 564.42      | 162.32    | 341.81                      | 231.12     | 235.37     | 154.47         | 61.38            | 135.40       | 86.40           | 198.66              | 69.70  | 268.00                       | 135.45          | 330.55      |
| 2d quarter       | 531.23      | 213.45    | 542.19                      | --         | 98.27      | 97.47          | 37.84            | 66.30        | 100.65          | 339.59              | 368.25 | 110.46                       | 215.19          | 357.94      |
| 3d quarter       | 535.64      | 217.68    | 578.89                      | --         | 288.40     | 111.19         | 148.31           | 169.51       | 251.19          | 172.21              | 132.60 | 179.19                       | 211.52          | 371.39      |
| 4th quarter      | 345.98      | 159.67    | 445.51                      | 527.49     | 467.85     | 92.47          | 156.93           | 250.00       | 200.38          | 219.65              | 279.36 | 290.43                       | 161.56          | 233.06      |
| 1992 average     | 477.21      | 183.78    | 487.91                      | 454.16     | 239.47     | 103.74         | 143.96           | 176.17       | 164.68          | 231.76              | 258.95 | 193.34                       | 183.42          | 309.12      |

<sup>a</sup> Prices for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

<sup>b</sup> Includes Port-Orford-cedar.

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

Figure 6--Average stumpage price for sawtimber sold on  
National Forests, Pacific Northwest Region

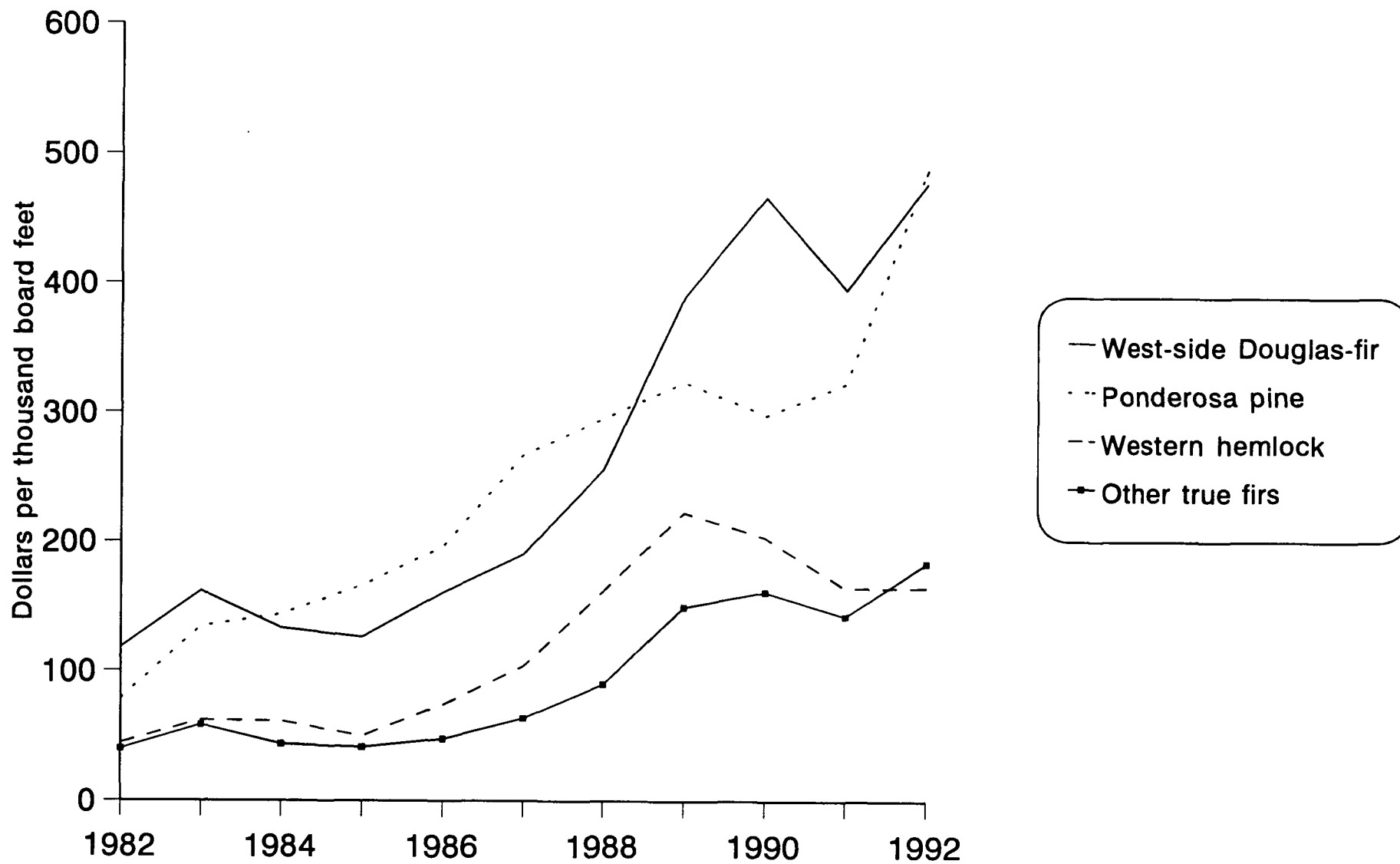


**Table 82--Volume and average value of timber harvested on the National Forests of the Pacific Northwest Region, 1992**

(Volume in million board feet; value in dollars per thousand board feet)

| Quarter  | Colville                 |               | Deschutes             |               | Fremont            |               | Gifford Pinchot     |               | Malheur        |               |
|----------|--------------------------|---------------|-----------------------|---------------|--------------------|---------------|---------------------|---------------|----------------|---------------|
|          | Volume                   | Average value | Volume                | Average value | Volume             | Average value | Volume              | Average value | Volume         | Average value |
| 1st qtr. | 15.5                     | 103.05        | 49.7                  | 98.57         | 22.1               | 279.62        | 22.8                | 264.73        | 49.3           | 316.52        |
| 2d qtr.  | 13.6                     | 84.70         | 48.2                  | 139.22        | 10.5               | 333.16        | 45.2                | 230.65        | 34.0           | 253.75        |
| 3d qtr.  | 23.3                     | 91.81         | 22.6                  | 81.75         | 11.0               | 230.20        | 43.8                | 221.29        | 38.5           | 226.99        |
| 4th qtr. | 30.2                     | 88.49         | 25.9                  | 142.98        | 32.7               | 262.91        | 41.9                | 223.84        | 47.1           | 215.23        |
| Total    | 82.6                     | 91.53         | 146.4                 | 117.21        | 76.3               | 272.69        | 153.8               | 231.17        | 168.9          | 255.24        |
|          | Mount Baker-Snoqualmie   |               | Mount Hood            |               | Ochoco             |               | Okanogan            |               | Olympic        |               |
|          | Volume                   | Average value | Volume                | Average value | Volume             | Average value | Volume              | Average value | Volume         | Average value |
| 1st qtr. | 17.3                     | 284.98        | 29.8                  | 352.51        | 33.7               | 362.01        | 5.4                 | 134.87        | 14.2           | 196.59        |
| 2d qtr.  | 17.1                     | 247.40        | 28.6                  | 272.51        | 15.3               | 311.25        | 6.5                 | 114.59        | 14.9           | 265.69        |
| 3d qtr.  | 19.1                     | 203.57        | 26.7                  | 258.73        | 19.5               | 257.17        | 14.9                | 132.17        | 12.3           | 270.76        |
| 4th qtr. | 12.5                     | 170.04        | 23.1                  | 324.58        | 28.8               | 344.61        | 11.4                | 120.49        | 6.4            | 212.36        |
| Total    | 66.1                     | 229.90        | 108.2                 | 302.28        | 97.3               | 327.85        | 38.2                | 126.09        | 47.9           | 239.31        |
|          | Rogue River <sup>a</sup> |               | Siskiyou <sup>a</sup> |               | Siuslaw            |               | Umatilla            |               | Umpqua         |               |
|          | Volume                   | Average value | Volume                | Average value | Volume             | Average value | Volume              | Average value | Volume         | Average value |
| 1st qtr. | 9.3                      | 281.57        | 10.6                  | 248.59        | 40.6               | 371.95        | 22.7                | 153.67        | 21.8           | 324.61        |
| 2d qtr.  | 32.6                     | 367.21        | 23.6                  | 330.72        | 16.8               | 369.02        | 41.8                | 99.98         | 54.3           | 290.77        |
| 3d qtr.  | 14.2                     | 272.39        | 12.3                  | 537.28        | 13.8               | 386.57        | 34.5                | 110.93        | 30.1           | 269.32        |
| 4th qtr. | 17.0                     | 297.76        | 3.5                   | 467.32        | 15.3               | 311.56        | 21.3                | 127.14        | 20.7           | 310.92        |
| Total    | 73.0                     | 321.76        | 50.0                  | 373.94        | 86.4               | 363.05        | 120.4               | 118.06        | 126.9          | 294.79        |
|          | Wallowa-Whitman          |               | Wenatchee             |               | Willamette         |               | Winema              |               | Western Oregon |               |
|          | Volume                   | Average value | Volume                | Average value | Volume             | Average value | Volume              | Average value | Volume         | Average value |
| 1st qtr. | 23.3                     | 83.36         | 12.7                  | 175.65        | 58.4               | 309.38        | 34.2                | 288.29        | 170.5          | 328.48        |
| 2d qtr.  | 23.6                     | 75.79         | 19.8                  | 136.11        | 71.6               | 280.22        | 24.9                | 178.23        | 227.4          | 306.02        |
| 3d qtr.  | 32.8                     | 44.60         | 34.5                  | 105.43        | 63.3               | 290.09        | 8.8                 | 94.77         | 160.4          | 306.73        |
| 4th qtr. | 24.2                     | 67.52         | 23.9                  | 132.22        | 59.6               | 331.22        | 22.6                | 87.43         | 139.1          | 324.30        |
| Total    | 103.9                    | 65.72         | 90.9                  | 128.98        | 253.0              | 301.44        | 90.4                | 189.07        | 697.5          | 315.32        |
|          | Eastern Oregon           |               | Western Washington    |               | Eastern Washington |               | Northern California |               | All Forests    |               |
|          | Volume                   | Average value | Volume                | Average value | Volume             | Average value | Volume              | Average value | Volume         | Average value |
| 1st qtr. | 234.0                    | 231.37        | 54.3                  | 253.35        | 34.8               | 133.06        | 0                   | --            | 493.5          | 260.40        |
| 2d qtr.  | 193.8                    | 174.07        | 77.3                  | 241.13        | 44.4               | 109.54        | 0                   | --            | 542.9          | 233.61        |
| 3d qtr.  | 162.3                    | 148.24        | 75.3                  | 224.87        | 78.2               | 101.85        | 0                   | --            | 476.2          | 206.13        |
| 4th qtr. | 197.8                    | 193.82        | 60.9                  | 211.56        | 70.2               | 107.11        | 0                   | --            | 468.1          | 221.92        |
| Total    | 787.9                    | 190.72        | 267.7                 | 232.31        | 227.5              | 109.74        | 0                   | --            | 1,980.6        | 230.92        |

<sup>a</sup> Includes a small portion of the Forest that lies in northern California.

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

**Table 83--Volume and average stumpage price of selected species sold on the National Forests of the Pacific Northwest Region, 1992<sup>a b</sup>**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| National Forest          | Douglas-fir |        |           |        | Ponderosa and Jeffrey pines |        | Western hemlock |        | True firs <sup>c</sup> |        | All species |        |
|--------------------------|-------------|--------|-----------|--------|-----------------------------|--------|-----------------|--------|------------------------|--------|-------------|--------|
|                          | West side   |        | East side |        | Volume                      | Value  | Volume          | Value  | Volume                 | Value  | Volume      | Value  |
|                          | Volume      | Value  | Volume    | Value  |                             |        |                 |        |                        |        |             |        |
| Western Oregon:          |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| Mount Hood--             |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 1,995       | 706.17 | 0         | --     | 0                           | --     | 900             | 298.16 | 0                      | --     | 2,995       | 569.34 |
| 2d quarter               | 1,825       | 710.94 | 265       | 252.00 | 0                           | --     | 1,575           | 194.97 | 0                      | --     | 4,297       | 389.66 |
| 3d quarter               | 5,022       | 773.85 | 3,851     | 262.87 | 724                         | 169.56 | 3,795           | 490.23 | 272                    | 61.50  | 17,341      | 443.57 |
| 4th quarter              | 80          | 657.43 | 0         | --     | 0                           | --     | 70              | 380.05 | 0                      | --     | 175         | 457.67 |
| Total and average        | 8,922       | 744.81 | 4,116     | 262.17 | 724                         | 169.56 | 6,340           | 388.40 | 272                    | 61.50  | 24,808      | 449.52 |
| Rogue River--            |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| 2d quarter               | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| 3d quarter               | 0           | --     | 0         | --     | 18                          | 155.35 | 0               | --     | 0                      | --     | 18          | 155.35 |
| 4th quarter              | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| Total and average        | 0           | --     | 0         | --     | 18                          | 155.35 | 0               | --     | 0                      | --     | 18          | 155.35 |
| Siskiyou--               |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 440         | 469.00 | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 550         | 396.41 |
| 2d quarter               | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 70          | 52.60  |
| 3d quarter               | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| 4th quarter              | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| Total and average        | 440         | 469.00 | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 620         | 357.59 |
| Siuslaw--                |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 27          | 338.30 | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 27          | 338.30 |
| 2d quarter               | 0           | --     | 0         | --     | 0                           | --     | 200             | 66.30  | 0                      | --     | 200         | 66.30  |
| 3d quarter               | 514         | 162.11 | 0         | --     | 0                           | --     | 200             | 405.00 | 0                      | --     | 714         | 230.14 |
| 4th quarter              | 15          | 331.59 | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 15          | 331.59 |
| Total and average        | 556         | 175.23 | 0         | --     | 0                           | --     | 400             | 235.65 | 0                      | --     | 956         | 200.51 |
| Umpqua--                 |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 1,700       | 557.99 | 0         | --     | 0                           | --     | 150             | 295.53 | 0                      | --     | 2,250       | 463.38 |
| 2d quarter               | 171         | 200.79 | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 191         | 188.53 |
| 3d quarter               | 1,504       | 560.46 | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 1,737       | 509.97 |
| 4th quarter              | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| Total and average        | 3,375       | 540.99 | 0         | --     | 0                           | --     | 150             | 295.53 | 0                      | --     | 4,178       | 470.19 |
| Willamette--             |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 7,929       | 610.09 | 0         | --     | 0                           | --     | 280             | 80.16  | 70                     | 205.42 | 11,286      | 475.68 |
| 2d quarter               | 1,479       | 597.33 | 0         | --     | 0                           | --     | 40              | 30.22  | 0                      | --     | 2,638       | 389.47 |
| 3d quarter               | 4,920       | 600.33 | 0         | --     | 0                           | --     | 620             | 71.35  | 200                    | 218.18 | 7,390       | 425.98 |
| 4th quarter              | 9,320       | 378.80 | 0         | --     | 0                           | --     | 1,390           | 284.21 | 0                      | --     | 11,020      | 357.86 |
| Total and average        | 23,648      | 516.11 | 0         | --     | 0                           | --     | 2,330           | 198.69 | 270                    | 214.87 | 32,334      | 417.13 |
| All western Oregon:      |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 12,091      | 812.87 | 0         | --     | 0                           | --     | 1,330           | 251.97 | 70                     | 205.42 | 17,108      | 487.69 |
| 2d quarter               | 3,475       | 637.48 | 265       | 252.00 | 0                           | --     | 1,815           | 177.16 | 0                      | --     | 7,396       | 372.47 |
| 3d quarter               | 11,960      | 649.35 | 3,851     | 262.87 | 724                         | 169.22 | 4,615           | 430.26 | 472                    | 127.89 | 27,200      | 437.24 |
| 4th quarter              | 9,415       | 381.09 | 0         | --     | 0                           | --     | 1,460           | 288.80 | 0                      | --     | 11,210      | 359.38 |
| Total and average        | 36,941      | 567.92 | 4,116     | 262.17 | 724                         | 169.22 | 9,220           | 332.32 | 542                    | 137.90 | 62,914      | 429.47 |
| Western Washington:      |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| Gifford Pinchot--        |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 4,500       | 473.92 | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 5,000       | 428.83 |
| 2d quarter               | 2,893       | 429.84 | 0         | --     | 0                           | --     | 2,990           | 102.17 | 0                      | --     | 7,455       | 223.78 |
| 3d quarter               | 2,774       | 26.99  | 0         | --     | 0                           | --     | 0               | --     | 340                    | 255.00 | 3,147       | 51.70  |
| 4th quarter              | 210         | 398.82 | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 210         | 398.82 |
| Total and average        | 10,377      | 340.67 | 0         | --     | 0                           | --     | 2,990           | 102.17 | 340                    | 255.00 | 15,812      | 256.70 |
| Mount Baker-Snoqualmie-- |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| 2d quarter               | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| 3d quarter               | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| 4th quarter              | 114         | 308.05 | 0         | --     | 0                           | --     | 2,800           | 60.31  | 0                      | --     | 3,161       | 89.60  |
| Total and average        | 114         | 308.05 | 0         | --     | 0                           | --     | 2,800           | 60.31  | 0                      | --     | 3,161       | 89.60  |
| Olympic--                |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter              | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| 2d quarter               | 2,150       | 141.40 | 0         | --     | 0                           | --     | 200             | 100.38 | 0                      | --     | 2,361       | 138.93 |
| 3d quarter               | 7,910       | 117.93 | 0         | --     | 0                           | --     | 890             | 116.78 | 25                     | 288.60 | 10,063      | 125.49 |
| 4th quarter              | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 0           | --     |
| Total and average        | 10,060      | 122.95 | 0         | --     | 0                           | --     | 1,090           | 113.77 | 25                     | 288.60 | 12,424      | 128.05 |

**Table 83--Volume and average stumpage price of selected species sold on the National Forests of the Pacific Northwest Region, 1992<sup>a,b</sup> (continued)**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| National Forest                            | Douglas-fir |        |           |        | Ponderosa and Jeffrey pines |        | Western hemlock |        | True firs <sup>c</sup> |        | All species |        |
|--------------------------------------------|-------------|--------|-----------|--------|-----------------------------|--------|-----------------|--------|------------------------|--------|-------------|--------|
|                                            | West side   |        | East side |        | Volume                      | Value  | Volume          | Value  | Volume                 | Value  | Volume      | Value  |
|                                            | Volume      | Value  | Volume    | Value  |                             |        |                 |        |                        |        |             |        |
| All western Washington:                    |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 4,500       | 473.92 | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 5,000       | 428.83 |
| 2d quarter                                 | 5,043       | 306.93 | 0         | --     | 0                           | --     | 3,190           | 102.05 | 0                      | --     | 8,816       | 203.37 |
| 3d quarter                                 | 10,684      | 94.32  | 0         | --     | 0                           | --     | 880             | 116.78 | 365                    | 257.30 | 13,210      | 107.82 |
| 4th quarter                                | 324         | 366.68 | 0         | --     | 0                           | --     | 2,800           | 60.31  | 0                      | --     | 3,371       | 108.86 |
| Total and average                          | 20,551      | 233.91 | 0         | --     | 0                           | --     | 6,880           | 86.97  | 365                    | 257.30 | 31,397      | 188.97 |
| All western Oregon and western Washington: |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 18,591      | 575.18 | 0         | --     | 0                           | --     | 1,330           | 251.97 | 70                     | 205.42 | 22,108      | 474.38 |
| 2d quarter                                 | 8,518       | 441.78 | 265       | 252.00 | 0                           | --     | 5,005           | 129.29 | 0                      | --     | 17,212      | 276.03 |
| 3d quarter                                 | 22,844      | 387.47 | 3,851     | 262.87 | 742                         | 169.22 | 5,505           | 379.58 | 837                    | 184.32 | 40,410      | 329.58 |
| 4th quarter                                | 9,739       | 380.62 | 0         | --     | 0                           | --     | 4,260           | 138.62 | 0                      | --     | 14,581      | 301.47 |
| Total and average                          | 57,482      | 448.53 | 4,116     | 262.17 | 742                         | 169.22 | 16,100          | 227.47 | 907                    | 185.95 | 94,311      | 349.41 |
| Eastern Oregon:                            |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| Deschutes--                                |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 0           | --     | 0         | --     | 1,480                       | 258.84 | 0               | --     | 120                    | 88.90  | 18,590      | 137.03 |
| 2d quarter                                 | 0           | --     | 0         | --     | 1,120                       | 409.31 | 0               | --     | 0                      | --     | 2,317       | 263.78 |
| 3d quarter                                 | 0           | --     | 170       | 210.01 | 4,755                       | 502.19 | 0               | --     | 0                      | --     | 25,405      | 163.95 |
| 4th quarter                                | 0           | --     | 0         | --     | 4,230                       | 37.16  | 0               | --     | 0                      | --     | 22,740      | 83.87  |
| Total and average                          | 0           | --     | 170       | 210.01 | 11,585                      | 292.33 | 0               | --     | 120                    | 88.90  | 68,052      | 133.68 |
| Fremont--                                  |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 0           | --     | 0         | --     | 6,470                       | 503.65 | 0               | --     | 1,300                  | 67.76  | 7,770       | 441.31 |
| 2d quarter                                 | 0           | --     | 0         | --     | 12,400                      | 503.39 | 0               | --     | 5,900                  | 197.09 | 18,294      | 378.21 |
| 3d quarter                                 | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 11,230      | 94.50  |
| 4th quarter                                | 0           | --     | 0         | --     | 406                         | 223.32 | 0               | --     | 3,928                  | 207.00 | 6,360       | 153.29 |
| Total and average                          | 0           | --     | 0         | --     | 19,276                      | 497.57 | 0               | --     | 11,128                 | 185.48 | 44,654      | 285.80 |
| Malheur--                                  |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 0           | --     | 2,518     | 166.96 | 2,762                       | 572.70 | 0               | --     | 2,020                  | 163.99 | 7,755       | 332.75 |
| 2d quarter                                 | 0           | --     | 4,180     | 167.14 | 6,172                       | 476.31 | 0               | --     | 7,977                  | 214.03 | 21,539      | 298.20 |
| 3d quarter                                 | 0           | --     | 10,625    | 127.14 | 14,039                      | 822.36 | 0               | --     | 13,484                 | 210.59 | 46,124      | 371.88 |
| 4th quarter                                | 0           | --     | 3,886     | 220.01 | 4,876                       | 311.77 | 0               | --     | 3,787                  | 251.61 | 14,181      | 232.33 |
| Total and average                          | 0           | --     | 21,219    | 156.77 | 27,849                      | 631.51 | 0               | --     | 27,278                 | 213.84 | 89,599      | 382.69 |
| Ochoco--                                   |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 0           | --     | 1,600     | 234.34 | 4,980                       | 536.23 | 0               | --     | 0                      | --     | 6,580       | 470.26 |
| 2d quarter                                 | 0           | --     | 0         | --     | 1,800                       | 515.50 | 0               | --     | 0                      | --     | 1,800       | 515.50 |
| 3d quarter                                 | 0           | --     | 700       | 100.95 | 6,500                       | 630.46 | 0               | --     | 0                      | --     | 7,200       | 578.98 |
| 4th quarter                                | 0           | --     | 3,660     | 483.35 | 12,640                      | 533.42 | 0               | --     | 700                    | 588.55 | 17,000      | 525.59 |
| Total and average                          | 0           | --     | 5,960     | 359.31 | 25,920                      | 557.05 | 0               | --     | 700                    | 588.55 | 32,580      | 525.66 |
| Umatilla--                                 |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 0           | --     | 7,300     | 117.92 | 3,100                       | 253.35 | 0               | --     | 1,570                  | 51.06  | 14,100      | 146.28 |
| 2d quarter                                 | 0           | --     | 1,586     | 159.26 | 149                         | 228.87 | 0               | --     | 0                      | --     | 2,294       | 124.34 |
| 3d quarter                                 | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 1,630                  | 33.78  | 1,810       | 30.62  |
| 4th quarter                                | 0           | --     | 10,454    | 204.40 | 0                           | --     | 0               | --     | 760                    | 217.68 | 20,514      | 113.41 |
| Total and average                          | 0           | --     | 19,320    | 168.06 | 3,249                       | 252.23 | 0               | --     | 3,960                  | 75.93  | 38,718      | 122.16 |
| Wallowa-Whitman--                          |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 0           | --     | 600       | 11.00  | 0                           | --     | 0               | --     | 0                      | --     | 600         | 11.00  |
| 2d quarter                                 | 0           | --     | 2,483     | 83.03  | 573                         | 555.40 | 0               | --     | 2,024                  | 204.20 | 5,080       | 184.59 |
| 3d quarter                                 | 0           | --     | 3,535     | 119.86 | 1,810                       | 436.93 | 0               | --     | 2,780                  | 115.10 | 10,350      | 163.88 |
| 4th quarter                                | 0           | --     | 13,359    | 114.98 | 4,200                       | 228.10 | 0               | --     | 14,084                 | 142.05 | 35,881      | 155.21 |
| Total and average                          | 0           | --     | 19,977    | 108.75 | 6,383                       | 310.15 | 0               | --     | 18,888                 | 144.74 | 51,911      | 158.14 |
| Winema--                                   |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 0           | --     | 0         | --     | 3,000                       | 449.88 | 0               | --     | 0                      | --     | 9,400       | 322.00 |
| 2d quarter                                 | 0           | --     | 0         | --     | 0                           | --     | 0               | --     | 0                      | --     | 3,810       | 6.83   |
| 3d quarter                                 | 0           | --     | 0         | --     | 6,010                       | 687.03 | 0               | --     | 300                    | 230.28 | 15,360      | 386.93 |
| 4th quarter                                | 0           | --     | 0         | --     | 36,100                      | 755.35 | 0               | --     | 3,400                  | 557.50 | 78,300      | 422.04 |
| Total and average                          | 0           | --     | 0         | --     | 45,110                      | 725.93 | 0               | --     | 3,700                  | 530.96 | 106,870     | 393.39 |
| All eastern Oregon:                        |             |        |           |        |                             |        |                 |        |                        |        |             |        |
| 1st quarter                                | 0           | --     | 12,018    | 138.35 | 21,792                      | 460.21 | 0               | --     | 5,010                  | 101.83 | 64,795      | 258.46 |
| 2d quarter                                 | 0           | --     | 8,239     | 140.29 | 22,214                      | 491.60 | 0               | --     | 15,901                 | 206.49 | 56,134      | 294.08 |
| 3d quarter                                 | 0           | --     | 15,030    | 125.15 | 32,914                      | 694.65 | 0               | --     | 18,204                 | 180.50 | 117,479     | 291.48 |
| 4th quarter                                | 0           | --     | 31,359    | 198.46 | 62,452                      | 588.24 | 0               | --     | 26,659                 | 234.05 | 194,976     | 287.49 |
| Total and average                          | 0           | --     | 66,646    | 163.90 | 139,372                     | 577.95 | 0               | --     | 65,774                 | 202.50 | 433,384     | 285.08 |

**Table 83--Volume and average stumpage price of selected species sold on the National Forests of the Pacific Northwest Region, 1992<sup>a,b</sup> (continued)**

(Volume in thousand board feet, Scribner scale; value in dollars per thousand board feet)

| National Forest                               | Douglas-fir |        |           |        | Ponderosa and<br>Jeffrey pines |        | Western<br>hemlock |        | True firs <sup>c</sup> |        | All species |        |
|-----------------------------------------------|-------------|--------|-----------|--------|--------------------------------|--------|--------------------|--------|------------------------|--------|-------------|--------|
|                                               | West side   |        | East side |        | Volume                         | Value  | Volume             | Value  | Volume                 | Value  | Volume      | Value  |
|                                               | Volume      | Value  | Volume    | Value  |                                |        |                    |        |                        |        |             |        |
| Eastern Washington:                           |             |        |           |        |                                |        |                    |        |                        |        |             |        |
| Colville--                                    |             |        |           |        |                                |        |                    |        |                        |        |             |        |
| 1st quarter                                   | 0           | --     | 3,700     | 174.48 | 0                              | --     | 0                  | --     | 0                      | --     | 6,100       | 163.34 |
| 2d quarter                                    | 0           | --     | 230       | 121.00 | 0                              | --     | 0                  | --     | 2,220                  | 42.50  | 9,500       | 208.29 |
| 3d quarter                                    | 0           | --     | 620       | 322.21 | 90                             | 246.14 | 0                  | --     | 0                      | --     | 710         | 312.57 |
| 4th quarter                                   | 0           | --     | 379       | 176.53 | 0                              | --     | 0                  | --     | 319                    | 124.20 | 1,014       | 167.37 |
| Total and average                             | 0           | --     | 4,929     | 190.72 | 90                             | 246.14 | 0                  | --     | 2,539                  | 52.76  | 17,324      | 194.34 |
| Okanogan--                                    |             |        |           |        |                                |        |                    |        |                        |        |             |        |
| 1st quarter                                   | 0           | --     | 0         | --     | 0                              | --     | 0                  | --     | 0                      | --     | 0           | --     |
| 2d quarter                                    | 0           | --     | 75        | 67.00  | 217                            | 256.00 | 0                  | --     | 0                      | --     | 292         | 207.46 |
| 3d quarter                                    | 0           | --     | 10,075    | 181.06 | 3,492                          | 373.52 | 0                  | --     | 0                      | --     | 13,703      | 228.95 |
| 4th quarter                                   | 0           | --     | 0         | --     | 200                            | 263.18 | 0                  | --     | 0                      | --     | 200         | 263.18 |
| Total and average                             | 0           | --     | 10,150    | 180.22 | 3,909                          | 361.35 | 0                  | --     | 0                      | --     | 14,195      | 228.99 |
| Wenatchee--                                   |             |        |           |        |                                |        |                    |        |                        |        |             |        |
| 1st quarter                                   | 0           | --     | 0         | --     | 0                              | --     | 0                  | --     | 60                     | 85.59  | 60          | 85.59  |
| 2d quarter                                    | 0           | --     | 342       | 284.24 | 0                              | --     | 0                  | --     | 0                      | --     | 362         | 231.37 |
| 3d quarter                                    | 0           | --     | 2,030     | 105.31 | 0                              | --     | 0                  | --     | 2,200                  | 81.16  | 5,030       | 78.78  |
| 4th quarter                                   | 0           | --     | 460       | 32.91  | 40                             | 90.00  | 0                  | --     | 0                      | --     | 3,800       | 14.65  |
| Total and average                             | 0           | --     | 2,832     | 115.16 | 40                             | 90.00  | 0                  | --     | 2,260                  | 81.28  | 9,252       | 58.45  |
| All eastern Washington:                       |             |        |           |        |                                |        |                    |        |                        |        |             |        |
| 1st quarter                                   | 0           | --     | 3,700     | 174.48 | 0                              | --     | 0                  | --     | 60                     | 85.59  | 6,160       | 162.58 |
| 2d quarter                                    | 0           | --     | 647       | 201.03 | 217                            | 256.00 | 0                  | --     | 2,220                  | 42.50  | 10,154      | 209.09 |
| 3d quarter                                    | 0           | --     | 12,725    | 175.86 | 3,582                          | 370.32 | 0                  | --     | 2,200                  | 81.16  | 19,443      | 193.15 |
| 4th quarter                                   | 0           | --     | 839       | 97.79  | 240                            | 234.32 | 0                  | --     | 319                    | 124.20 | 5,014       | 55.45  |
| Total and average                             | 0           | --     | 17,911    | 172.82 | 4,039                          | 356.09 | 0                  | --     | 4,799                  | 66.19  | 40,771      | 175.57 |
| All eastern Oregon<br>and eastern Washington: |             |        |           |        |                                |        |                    |        |                        |        |             |        |
| 1st quarter                                   | 0           | --     | 15,718    | 146.86 | 21,792                         | 460.21 | 0                  | --     | 5,070                  | 101.64 | 70,955      | 250.14 |
| 2d quarter                                    | 0           | --     | 8,886     | 144.72 | 22,431                         | 489.32 | 0                  | --     | 18,121                 | 186.40 | 66,288      | 281.06 |
| 3d quarter                                    | 0           | --     | 27,755    | 148.40 | 36,496                         | 662.81 | 0                  | --     | 20,404                 | 169.79 | 136,922     | 277.51 |
| 4th quarter                                   | 0           | --     | 32,198    | 195.84 | 62,692                         | 586.88 | 0                  | --     | 26,978                 | 232.75 | 199,990     | 281.67 |
| Total and average                             | 0           | --     | 84,557    | 165.79 | 143,411                        | 571.70 | 0                  | --     | 70,573                 | 193.23 | 474,155     | 275.67 |
| Pacific Northwest Region:                     |             |        |           |        |                                |        |                    |        |                        |        |             |        |
| 1st quarter                                   | 16,591      | 575.18 | 15,718    | 146.86 | 21,792                         | 460.21 | 1,330              | 251.97 | 5,140                  | 103.05 | 93,063      | 303.41 |
| 2d quarter                                    | 8,518       | 441.78 | 9,151     | 147.82 | 22,431                         | 489.32 | 5,005              | 129.29 | 18,121                 | 186.40 | 83,500      | 280.03 |
| 3d quarter                                    | 22,644      | 387.47 | 31,606    | 162.35 | 37,238                         | 652.98 | 5,505              | 379.58 | 21,241                 | 170.36 | 177,332     | 289.38 |
| 4th quarter                                   | 9,739       | 380.62 | 32,198    | 195.84 | 62,692                         | 586.88 | 4,260              | 138.62 | 26,978                 | 232.75 | 214,571     | 283.02 |
| Total and average                             | 57,492      | 448.53 | 88,673    | 170.26 | 144,153                        | 569.63 | 16,100             | 227.47 | 71,480                 | 193.13 | 568,466     | 287.90 |
| All of Oregon:                                |             |        |           |        |                                |        |                    |        |                        |        |             |        |
| 1st quarter                                   | 12,091      | 612.87 | 12,018    | 138.35 | 21,792                         | 460.21 | 1,330              | 251.97 | 5,080                  | 103.26 | 81,903      | 306.35 |
| 2d quarter                                    | 3,475       | 637.48 | 8,504     | 143.78 | 22,214                         | 491.60 | 1,815              | 177.16 | 15,901                 | 206.49 | 63,530      | 303.21 |
| 3d quarter                                    | 11,960      | 649.35 | 18,881    | 153.24 | 33,656                         | 683.06 | 4,615              | 430.26 | 18,676                 | 179.17 | 144,679     | 318.88 |
| 4th quarter                                   | 9,415       | 381.09 | 31,359    | 198.46 | 62,452                         | 588.24 | 1,460              | 288.80 | 26,659                 | 234.05 | 206,186     | 291.40 |
| Total and average                             | 36,941      | 587.92 | 70,762    | 169.82 | 140,114                        | 575.78 | 9,220              | 332.32 | 66,316                 | 201.97 | 496,298     | 303.39 |
| All of Washington:                            |             |        |           |        |                                |        |                    |        |                        |        |             |        |
| 1st quarter                                   | 4,500       | 473.92 | 3,700     | 174.48 | 0                              | --     | 0                  | --     | 60                     | 85.59  | 11,160      | 281.87 |
| 2d quarter                                    | 5,043       | 306.93 | 647       | 201.03 | 217                            | 256.00 | 3,190              | 102.05 | 2,220                  | 42.50  | 19,970      | 206.28 |
| 3d quarter                                    | 10,684      | 94.32  | 12,725    | 175.86 | 3,582                          | 370.32 | 890                | 116.78 | 2,565                  | 106.23 | 32,653      | 158.67 |
| 4th quarter                                   | 324         | 368.88 | 839       | 97.79  | 240                            | 234.32 | 2,800              | 60.31  | 319                    | 124.20 | 8,385       | 76.92  |
| Total and average                             | 20,551      | 233.91 | 17,911    | 172.82 | 4,039                          | 356.09 | 6,880              | 86.97  | 5,164                  | 79.70  | 72,168      | 181.40 |

<sup>a</sup> Preliminary.

<sup>b</sup> Prices for individual sales may vary from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

<sup>c</sup> Does not include noble fir or Shasta red fir.

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

**Table 84--Volume of timber sold on publicly owned or managed lands in Alaska, 1987-92**

(In thousand board feet, Scribner scale)

| Agency                                   | 1987    | 1988   | 1989    | 1990   | 1991   |          | 1992     |         |         |          | Total   |
|------------------------------------------|---------|--------|---------|--------|--------|----------|----------|---------|---------|----------|---------|
|                                          |         |        |         |        | Total  | 4th qtr. | 1st qtr. | 2d qtr. | 3d qtr. | 4th qtr. |         |
| USDA Forest Service <sup>a</sup>         | 137,587 | 20,188 | 168,050 | 32,174 | 50,747 | 19,552   | 6,705    | 11,462  | 45,436  | 92,128   | 155,731 |
| U.S. Bureau of Land Manage. <sup>b</sup> | 0       | 0      | 21      | 0      | 359    | 0        | 0        | 175     | 0       | 0        | 175     |
| U.S. Bureau of Indian Affairs            | 15,300  | 0      | 65      | 11,700 | 59     | 53       | 57       | 0       | 0       | 0        | 57      |
| State of Alaska                          | 27,219  | 25,492 | 18,764  | 32,534 | 8,374  | 2,353    | 772      | 123     | 9,884   | 1,700    | 12,479  |
| Total                                    | 180,106 | 45,680 | 186,900 | 76,407 | 59,539 | 21,959   | 7,534    | 11,760  | 55,320  | 93,828   | 168,442 |

<sup>a</sup> Convertible products only.<sup>b</sup> Does not include cull log sales or volume given away through free use permits.

Source: Respective agencies listed.

**Table 85--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1987-92**

(In dollars per thousand board feet)

| Agency                                   | 1987  | 1988  | 1989   | 1990   | 1991    |          | 1992     |         |         |          | Total |
|------------------------------------------|-------|-------|--------|--------|---------|----------|----------|---------|---------|----------|-------|
|                                          |       |       |        |        | Average | 4th qtr. | 1st qtr. | 2d qtr. | 3d qtr. | 4th qtr. |       |
| USDA Forest Service <sup>a</sup>         | 26.79 | 73.61 | 121.59 | 60.79  | 35.09   | 15.88    | 47.00    | 18.13   | 27.15   | 12.85    | 18.88 |
| U.S. Bureau of Land Manage. <sup>b</sup> | --    | --    | 64.48  | --     | 19.27   | --       | --       | 11.91   | --      | --       | 11.91 |
| U.S. Bureau of Indian Affairs            | 64.59 | --    | 16.20  | 341.88 | 54.69   | 45.70    | 38.60    | --      | --      | --       | 38.60 |
| State of Alaska                          | 10.76 | 28.87 | 30.35  | 27.09  | 21.49   | 14.77    | 25.15    | 61.06   | 28.97   | 62.60    | 33.63 |
| Average                                  | 27.58 | 48.64 | 112.39 | 89.49  | 33.10   | 15.83    | 44.70    | 18.48   | 27.47   | 13.75    | 19.97 |

<sup>a</sup> Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

<sup>b</sup> Does not include cull log sales or volume given away through free use permits.

Source: Respective agencies listed.

**Table 86--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1981-92<sup>a</sup>**

(In dollars per thousand board feet)

| Year and quarter | Sitka spruce | Western hemlock | Cedars       | Other softwoods | All species |
|------------------|--------------|-----------------|--------------|-----------------|-------------|
| 1981             | 131.60       | 24.30           | <sup>b</sup> | 4.50            | 47.50       |
| 1982             | 39.00        | 14.50           | <sup>b</sup> | 35.70           | 32.40       |
| 1983             | 29.00        | 6.70            | <sup>b</sup> | 8.90            | 14.60       |
| 1984             | 18.83        | 4.67            | <sup>b</sup> | 76.32           | 18.86       |
| 1985             | 18.78        | 5.73            | <sup>b</sup> | 29.97           | 13.77       |
| 1986             | 18.08        | 17.41           | <sup>b</sup> | 32.46           | 18.94       |
| 1987             | 58.23        | 25.02           | <sup>b</sup> | 167.06          | 55.76       |
| 1988             | 168.95       | 33.91           | 277.17       | 15.50           | 83.77       |
| 1989             | 201.35       | 84.86           | 290.31       | 46.55           | 156.68      |
| 1990             | 337.81       | 83.55           | 289.40       | --              | 187.53      |
| 1991:            |              |                 |              |                 |             |
| 1st quarter      | 160.16       | 29.21           | 310.32       | --              | 116.30      |
| 2d quarter       | 250.76       | 15.01           | 220.66       | --              | 106.75      |
| 3d quarter       | 164.32       | 21.24           | 303.92       | 50.74           | 92.81       |
| 4th quarter      | 46.61        | 48.57           | 281.93       | 2.00            | 58.45       |
| 1991 average     | 174.48       | 11.34           | 238.05       | 43.70           | 61.67       |
| 1992:            |              |                 |              |                 |             |
| 1st quarter      | 99.90        | 5.12            | 81.89        | --              | 52.09       |
| 2d quarter       | 39.25        | 4.10            | 12.01        | --              | 20.36       |
| 3d quarter       | 75.60        | 2.63            | 88.90        | 21.03           | 32.13       |
| 4th quarter      | 90.17        | 3.37            | 157.80       | --              | 55.73       |
| 1992 average     | 78.82        | 3.24            | 132.93       | 21.03           | 45.96       |

<sup>a</sup> Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Before 1984, prices for stumpage on National Forest lands are statistical high bids. The statistical high bid is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

<sup>b</sup> Prices for cedar are included in "other softwoods" category.

Source: Forest Service, U.S. Department of Agriculture. Alaska Region is the State of Alaska.

**Table 87--Volume and average value of all species of all timber products sold from the USDA Forest Service Regions of the Western United States, 1981-92<sup>a</sup>**

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

|                   | Northern Region |        | Rocky Mountain Region |        | Southwestern Region |        | Intermountain Region |        | Pacific Southwest Region |        | Pacific Northwest Region--east side |        | Pacific Northwest Region--west side |        | Alaska Region       |        |
|-------------------|-----------------|--------|-----------------------|--------|---------------------|--------|----------------------|--------|--------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|---------------------|--------|
| Year              | Volume          | Value  | Volume                | Value  | Volume              | Value  | Volume               | Value  | Volume                   | Value  | Volume                              | Value  | Volume                              | Value  | Volume <sup>b</sup> | Value  |
| 1981              | 1,033.7         | 57.45  | 417.7                 | 8.68   | 444.7               | 86.38  | 342.0                | 16.05  | 1,886.6                  | 148.14 | 1,678.6                             | 129.01 | 3,616.1                             | 246.29 | 151.9               | 43.37  |
| 1982              | 1,004.8         | 33.22  | 338.7                 | 5.72   | 358.0               | 23.32  | 342.6                | 11.52  | 1,674.1                  | 52.23  | 1,471.3                             | 48.59  | 3,485.7                             | 82.95  | 73.9                | 31.42  |
| 1983              | 1,055.3         | 45.93  | 330.0                 | 13.64  | 355.2               | 35.74  | 395.4                | 20.89  | 1,782.4                  | 70.75  | 1,625.8                             | 68.28  | 3,333.5                             | 110.12 | 82.4                | 14.68  |
| 1984              | 865.9           | 33.16  | 455.8                 | 12.27  | 409.4               | 35.03  | 381.2                | 16.69  | 1,473.1                  | 61.21  | 1,629.4                             | 64.18  | 3,278.2                             | 86.00  | 60.2                | 17.65  |
| 1985              | 948.4           | 26.07  | 443.7                 | 8.64   | 293.0               | 21.64  | 428.7                | 15.12  | 1,602.7                  | 56.37  | 1,442.0                             | 70.54  | 2,826.3                             | 77.08  | 51.1                | 6.98   |
| 1986              | 926.8           | 28.23  | 334.0                 | 19.68  | 483.9               | 26.36  | 447.7                | 23.74  | 1,456.9                  | 72.30  | 2,020.7                             | 87.64  | 3,761.9                             | 108.49 | 255.6               | 9.12   |
| 1987              | 942.0           | 41.20  | 427.5                 | 20.79  | 420.3               | 52.67  | 367.7                | 36.19  | 1,617.2                  | 110.47 | 1,637.0                             | 119.09 | 3,284.7                             | 133.99 | 137.6               | 26.79  |
| 1988              | 918.9           | 47.23  | 409.3                 | 33.43  | 443.1               | 49.93  | 386.8                | 57.68  | 2,012.0                  | 118.35 | 1,734.9                             | 136.85 | 3,172.4                             | 187.27 | 20.2                | 73.57  |
| 1989              | 904.1           | 93.45  | 384.9                 | 43.78  | 315.3               | 59.39  | 403.8                | 59.73  | 1,438.5                  | 154.32 | 1,282.8                             | 161.75 | 1,142.3                             | 267.42 | 117.3               | 107.95 |
| 1990              | 750.6           | 111.23 | 372.5                 | 49.70  | 350.4               | 65.24  | 401.1                | 69.75  | 1,576.8                  | 142.45 | 1,496.3                             | 144.07 | 3,380.1                             | 337.73 | 32.2                | 60.79  |
| 1991:             |                 |        |                       |        |                     |        |                      |        |                          |        |                                     |        |                                     |        |                     |        |
| 1st qtr.          | 82.3            | 88.19  | 46.6                  | 51.99  | 39.4                | 77.54  | 35.5                 | 154.01 | 96.8                     | 146.99 | 238.3                               | 139.75 | 102.8                               | 243.83 | 827.4               | 33.59  |
| 2d qtr.           | 147.9           | 83.04  | 116.6                 | 52.35  | 31.5                | 21.07  | 69.0                 | 59.41  | 152.0                    | 107.05 | 160.4                               | 136.82 | 52.7                                | 169.76 | 21.2                | 46.30  |
| 3d qtr.           | 316.4           | 98.95  | 67.3                  | 30.11  | 107.0               | 62.13  | 123.4                | 54.69  | 328.6                    | 189.32 | 195.1                               | 103.94 | 83.5                                | 242.33 | -817.4              | 33.41  |
| 4th qtr.          | 171.1           | 133.35 | 38.0                  | 53.05  | 43.4                | 41.38  | 51.4                 | 117.83 | 152.3                    | 121.38 | 172.3                               | 187.41 | 57.6                                | 231.68 | 19.6                | 15.88  |
| Total and average | 717.7           | 102.64 | 268.5                 | 46.81  | 221.2               | 54.96  | 279.4                | 80.11  | 729.7                    | 152.10 | 766.0                               | 140.74 | 296.6                               | 227.89 | 50.8                | 35.05  |
| 1992:             |                 |        |                       |        |                     |        |                      |        |                          |        |                                     |        |                                     |        |                     |        |
| 1st qtr.          | 76.3            | 157.09 | 63.6                  | 136.39 | 9.1                 | 80.71  | 24.9                 | 110.50 | 71.0                     | 177.92 | 104.2                               | 136.79 | 71.4                                | 355.82 | 6.7                 | 47.00  |
| 2d qtr.           | 137.8           | 150.54 | 75.1                  | 141.90 | 57.9                | 107.39 | 83.0                 | 113.33 | 307.0                    | 201.15 | 119.3                               | 211.08 | 48.6                                | 290.15 | 11.5                | 18.13  |
| 3d qtr.           | 207.4           | 136.80 | 93.5                  | 115.16 | 52.4                | 95.66  | 156.2                | 108.02 | 226.4                    | 184.10 | 110.8                               | 227.63 | 56.2                                | 272.11 | 45.4                | 27.15  |
| 4th qtr.          | 79.5            | 173.58 | 84.6                  | 151.46 | NA                  | NA     | 56.7                 | 184.68 | 816.7                    | 85.44  | 170.7                               | 145.65 | 85.3                                | 224.75 | 92.1                | 12.85  |
| Total and average | 501.0           | 149.51 | 316.7                 | 135.46 | NA                  | NA     | 320.7                | 123.13 | 1,238.4                  | 126.43 | 505.1                               | 177.27 | 261.5                               | 282.88 | 155.7               | 18.88  |

NA = not available.

<sup>a</sup> Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern Region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

<sup>b</sup> Does not include long-term timber contracts.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

Figure 7--Average value of all timber products sold from  
Forest Service Regions of the Western United States



**Table 88—Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1981-92<sup>a</sup>**

(Volume in million board feet, Scribner scale; value in dollars per thousand board feet)

| Year              | Northern Region |        | Rocky Mountain Region |       | Southwestern Region |       | Intermountain Region |        | Pacific Southwest Region |        | Pacific Northwest Region—east side |        | Pacific Northwest Region—west side |        | Alaska Region |         |
|-------------------|-----------------|--------|-----------------------|-------|---------------------|-------|----------------------|--------|--------------------------|--------|------------------------------------|--------|------------------------------------|--------|---------------|---------|
|                   | Volume          | Value  | Volume                | Value | Volume              | Value | Volume               | Value  | Volume                   | Value  | Volume                             | Value  | Volume                             | Value  | Volume        | Value   |
| 1981              | 864.0           | 36.53  | 256.8                 | 12.15 | 267.6               | 53.63 | 301.3                | 21.62  | 1,091.9                  | 95.71  | 1,055.1                            | 87.72  | 1,923.7                            | 135.29 | 387.5         | 13.20   |
| 1982              | 528.9           | 22.39  | 258.7                 | 6.97  | 180.0               | 25.29 | 287.8                | 11.13  | 937.3                    | 47.80  | 890.2                              | 53.86  | 1,568.0                            | 87.06  | 345.5         | 14.61   |
| 1983              | 1,071.9         | 38.15  | 345.8                 | 10.48 | 378.4               | 42.52 | 417.2                | 20.09  | 1,676.3                  | 97.71  | 1,542.8                            | 95.43  | 2,744.7                            | 96.03  | 251.9         | 10.01   |
| 1984              | 921.8           | 40.89  | 386.6                 | 13.80 | 401.6               | 30.84 | 385.9                | 17.16  | 1,559.1                  | 80.13  | 1,715.5                            | 87.03  | 2,953.7                            | 100.52 | 249.1         | 14.91   |
| 1985              | 991.9           | 36.70  | 372.2                 | 13.47 | 426.7               | 45.80 | 438.2                | 17.47  | 1,815.5                  | 72.82  | 1,776.6                            | 86.39  | 2,983.9                            | 87.28  | 265.6         | -10.47  |
| 1986              | 1,016.1         | 37.73  | 452.6                 | 12.91 | 502.6               | 46.32 | 476.9                | 17.43  | 1,952.3                  | 82.15  | 1,948.9                            | 92.84  | 3,306.1                            | 99.15  | 272.2         | 3.29    |
| 1987              | 1,132.1         | 42.05  | 433.4                 | 14.92 | 486.6               | 56.42 | 446.2                | 25.51  | 1,960.3                  | 102.57 | 1,970.2                            | 106.03 | 3,470.6                            | 118.58 | 352.2         | -8.87   |
| 1988              | 920.7           | 46.49  | 419.6                 | 17.79 | 522.7               | 61.98 | 449.3                | 32.28  | 2,160.6                  | 104.53 | 1,727.4                            | 121.18 | 3,778.8                            | 166.32 | 408.9         | 4.86    |
| 1989              | 1,085.0         | 56.25  | 405.0                 | 24.34 | 499.4               | 53.69 | 410.2                | 41.20  | 2,014.5                  | 119.30 | 1,932.8                            | 130.31 | 3,031.2                            | 193.68 | 461.9         | 13.30   |
| 1990              | 904.5           | 68.55  | 383.8                 | 29.81 | 361.7               | 40.50 | 408.2                | 51.95  | 1,521.1                  | 123.13 | 1,546.0                            | 122.53 | 1,941.8                            | 237.93 | 475.0         | 39.48   |
| 1991:             |                 |        |                       |       |                     |       |                      |        |                          |        |                                    |        |                                    |        |               |         |
| 1st qtr.          | 96.6            | 84.29  | 81.7                  | 47.96 | 45.4                | 32.18 | 50.8                 | 66.73  | 70.7                     | 61.89  | 277.3                              | 142.70 | 252.4                              | 251.93 | 44.8          | 135.99  |
| 2d qtr.           | 106.4           | 72.73  | 41.4                  | 48.78 | 72.2                | 66.87 | 35.0                 | 59.52  | 335.8                    | 147.24 | 249.7                              | 145.37 | 464.0                              | 258.90 | 88.2          | 11.07   |
| 3d qtr.           | 378.6           | 78.79  | 143.2                 | 34.61 | 106.0               | 61.19 | 132.6                | 62.47  | 570.2                    | 146.55 | 471.3                              | 137.01 | 542.9                              | 246.99 | 113.3         | 9.22    |
| 4th qtr.          | 225.2           | 78.23  | 123.6                 | 31.46 | 114.4               | 65.07 | 150.7                | 55.50  | 359.5                    | 135.65 | 268.7                              | 218.65 | 224.8                              | 310.31 | 80.2          | -44.09  |
| Total and average | 806.8           | 78.54  | 389.8                 | 37.91 | 337.9               | 59.82 | 369.1                | 59.93  | 1,336.2                  | 139.30 | 1,267.1                            | 157.22 | 1,484.1                            | 261.15 | 326.5         | 14.03   |
| 1992:             |                 |        |                       |       |                     |       |                      |        |                          |        |                                    |        |                                    |        |               |         |
| 1st qtr.          | 131.3           | 115.61 | 73.4                  | 70.99 | 31.0                | 98.61 | 55.1                 | 121.61 | 71.3                     | 147.67 | 268.7                              | 218.65 | 224.8                              | 310.34 | 68.8          | -208.16 |
| 2d qtr.           | 149.2           | 104.17 | 37.8                  | 98.06 | 57.1                | 96.96 | 37.9                 | 114.56 | 307.0                    | 201.15 | 238.2                              | 162.04 | 304.7                              | 289.56 | 100.3         | 22.17   |
| 3d qtr.           | 302.0           | 97.40  | 110.3                 | 58.57 | 89.2                | 76.15 | 122.6                | 79.04  | 412.9                    | 168.80 | 240.5                              | 133.16 | 235.7                              | 280.58 | 122.9         | 14.58   |
| 4th qtr.          | 196.8           | 109.18 | 106.4                 | 66.76 | NA                  | NA    | 128.5                | 70.34  | 230.4                    | 157.43 | 268.0                              | 171.12 | 200.0                              | 289.98 | 103.4         | .65     |
| Total and average | 779.3           | 104.74 | 327.9                 | 68.56 | NA                  | NA    | 344.1                | 86.52  | 1,021.6                  | 174.43 | 1,015.4                            | 172.58 | 965.2                              | 292.29 | 395.3         | -25.91  |

NA = not available.

Note: Negative stumpage value caused by emergency rate redeterminations.

<sup>a</sup> Northern Region includes Montana, northeastern Washington, northern Idaho, North Dakota, and northwestern South Dakota; Rocky Mountain Region includes Colorado, Kansas, Nebraska, remainder of South Dakota, and eastern Wyoming; Southwestern region includes Arizona and New Mexico; Intermountain Region includes southern Idaho, Nevada, Utah, and western Wyoming; Pacific Southwest Region includes California and Hawaii; Pacific Northwest Region includes Oregon and Washington; Alaska Region is all of Alaska.

Source: Respective Regions of the Forest Service, U.S. Department of Agriculture.

**Table 89—Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1987-91<sup>a</sup>**

(Volume in thousand cubic meters; value in Canadian dollars per cubic meter <sup>b c)</sup>)

| Species and year | Coast <sup>d</sup> |               | Interior <sup>e</sup> |               | Species and year       | Coast <sup>d</sup> |               | Interior <sup>e</sup> |               |
|------------------|--------------------|---------------|-----------------------|---------------|------------------------|--------------------|---------------|-----------------------|---------------|
|                  | Volume             | Average value | Volume                | Average value |                        | Volume             | Average value | Volume                | Average value |
| <b>Balsam:</b>   |                    |               |                       |               | <b>Lodgepole pine:</b> |                    |               |                       |               |
| 1987             | 2,825              | 2.99          | 4,803                 | 1.25          | 1987                   | 5                  | 1.54          | 15,224                | 1.19          |
| 1988             | 3,703              | 5.86          | 5,176                 | 5.02          | 1988                   | 15                 | 2.59          | 15,804                | 3.29          |
| 1989             | 2,950              | 7.56          | 5,071                 | 6.43          | 1989                   | 11                 | 2.97          | 15,343                | 5.11          |
| 1990             | 3,049              | 8.70          | 5,707                 | 6.30          | 1990                   | 8                  | 6.49          | 17,328                | 6.40          |
| 1991             | 2,623              | 9.13          | 4,903                 | 6.06          | 1991                   | 5                  | 8.62          | 15,753                | 5.94          |
| <b>Cedar:</b>    |                    |               |                       |               | <b>Spruce:</b>         |                    |               |                       |               |
| 1987             | 3,704              | 6.27          | 1,223                 | 1.89          | 1987                   | 876                | 20.98         | 13,881                | 2.14          |
| 1988             | 4,737              | 11.40         | 1,105                 | 3.19          | 1988                   | 987                | 15.49         | 14,137                | 5.34          |
| 1989             | 3,791              | 9.57          | 1,180                 | 4.34          | 1989                   | 690                | 10.66         | 11,757                | 7.74          |
| 1990             | 3,911              | 10.42         | 1,210                 | 3.64          | 1990                   | 739                | 12.41         | 13,633                | 8.31          |
| 1991             | 3,439              | 10.84         | 1,048                 | 3.50          | 1991                   | 577                | 14.50         | 11,894                | 7.86          |
| <b>Cypress:</b>  |                    |               |                       |               | <b>White pine:</b>     |                    |               |                       |               |
| 1987             | 391                | 8.46          | 2                     | 13.71         | 1987                   | 20                 | 2.16          | 116                   | 18.68         |
| 1988             | 593                | 61.82         | 4                     | 5.79          | 1988                   | 21                 | 6.87          | 164                   | 11.15         |
| 1989             | 547                | 11.86         | 5                     | 1.91          | 1989                   | 24                 | 9.66          | 163                   | 7.62          |
| 1990             | 570                | 9.97          | 6                     | 2.19          | 1990                   | 25                 | 8.53          | 146                   | 7.32          |
| 1991             | 532                | 10.53         | 5                     | 4.76          | 1991                   | 24                 | 8.16          | 105                   | 5.75          |
| <b>Fir:</b>      |                    |               |                       |               | <b>Other species:</b>  |                    |               |                       |               |
| 1987             | 1,853              | 8.46          | 2,885                 | 1.59          | 1987                   | 57                 | 1.99          | 85                    | 1.21          |
| 1988             | 1,917              | 9.62          | 2,795                 | 3.63          | 1988                   | 43                 | 1.57          | 276                   | .83           |
| 1989             | 1,720              | 6.14          | 2,843                 | 7.05          | 1989                   | 45                 | 1.20          | 251                   | 1.49          |
| 1990             | 1,556              | 8.11          | 2,925                 | 8.62          | 1990                   | 106                | 1.17          | 318                   | 1.98          |
| 1991             | 1,322              | 9.49          | 2,461                 | 7.39          | 1991                   | 60                 | .94           | 314                   | 1.07          |
| <b>Hemlock:</b>  |                    |               |                       |               | <b>All species:</b>    |                    |               |                       |               |
| 1987             | 6,385              | 2.72          | 2,591                 | .83           | 1987                   | 16,116             | 6.12          | 41,071                | 1.60          |
| 1988             | 8,250              | 5.79          | 2,259                 | 1.83          | 1988                   | 20,266             | 9.58          | 42,045                | 4.15          |
| 1989             | 6,807              | 8.31          | 2,952                 | 2.25          | 1989                   | 16,586             | 8.43          | 39,927                | 5.95          |
| 1990             | 6,783              | 9.37          | 3,321                 | 1.77          | 1990                   | 16,747             | 9.48          | 44,971                | 6.67          |
| 1991             | 5,905              | 10.14         | 2,415                 | 1.83          | 1991                   | 14,487             | 10.21         | 39,180                | 6.27          |
| <b>Larch:</b>    |                    |               |                       |               |                        |                    |               |                       |               |
| 1987             | 0                  | --            | 261                   | 1.62          |                        |                    |               |                       |               |
| 1988             | 0                  | --            | 325                   | 3.86          |                        |                    |               |                       |               |
| 1989             | 0                  | --            | 382                   | 5.90          |                        |                    |               |                       |               |
| 1990             | 0                  | --            | 377                   | 7.26          |                        |                    |               |                       |               |
| 1991             | 0                  | --            | 282                   | 6.19          |                        |                    |               |                       |               |

<sup>a</sup> Fiscal year ending March 31.

<sup>b</sup> Factors to convert cubic meters to board feet, Scribner scale, vary according to size and quality of timber. Size and quality may vary from one year to the next and between the coast and interior regions. For the coast, the approximate conversion factor lies between 5.0 and 6.0 cubic meters per 1,000 board feet; for the interior, between 5.75 and 6.5 cubic meters per 1,000 board feet.

<sup>c</sup> Average stumpage prices do not reflect the effect of road and other credits against stumpage as authorized under section 88 of the British Columbia Forest Act of 1978.

<sup>d</sup> Includes portions of Cariboo, Prince Rupert, and Vancouver forest regions.

<sup>e</sup> Includes Kamloops, Nelson, Prince George, and portions of Cariboo, Prince Rupert, and Vancouver forest regions.

Source: Province of British Columbia Ministry of Forests Annual Report, Victoria.

**Table 90—Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1982-92<sup>a</sup>**

(In million board feet, Scribner log rule)

| Year | California | Montana | Idaho <sup>b</sup>   |                    | Oregon <sup>c</sup> | Washington <sup>c</sup> |
|------|------------|---------|----------------------|--------------------|---------------------|-------------------------|
|      |            |         | Northern             | Southern           |                     |                         |
| 1982 | 7,365.6    | 1,800.7 | <sup>d</sup> 1,833.6 | 756.0              | 12,646.6            | 5,478.3                 |
| 1983 | 6,974.9    | 1,848.9 | 1,995.9              | 807.0              | 13,361.9            | 5,820.4                 |
| 1984 | 7,278.0    | 1,752.2 | 1,740.1              | 810.0              | 12,857.4            | 5,312.0                 |
| 1985 | 7,179.0    | 2,046.0 | 1,785.2              | <sup>d</sup> 707.0 | 13,278.2            | 5,362.4                 |
| 1986 | 4,911.0    | 1,924.4 | 1,947.5              | 712.3              | 7,777.6             | 2,970.6                 |
| 1987 | 4,108.7    | 1,297.1 | 1,390.7              | <sup>d</sup> 612.3 | 7,161.8             | 2,805.3                 |
| 1988 | 3,411.0    | 980.8   | 1,272.0              | <sup>d</sup> 481.3 | 6,864.5             | 3,094.6                 |
| 1989 | 2,787.2    | 813.4   | 1,263.3              | 475.8              | 5,289.5             | 1,783.3                 |
| 1990 | 2,214.5    | 630.6   | 1,126.9              | 513.7              | 4,114.5             | 1,339.9                 |
| 1991 | 1,784.9    | 638.0   | 1,078.0              | 468.3              | 3,942.2             | 1,403.4                 |
| 1992 | 1,003.3    | 568.4   | 856.7                | 378.1              | 2,777.1             | 1,039.5                 |

<sup>a</sup> As of June 30 unless otherwise noted.

<sup>b</sup> The National Forests in northern Idaho are Clearwater, Nezperce, and the Panhandle administrative unit which absorbed the Coeur D'Alene and the St. Joe National Forests; in southern Idaho, the National Forests are Boise, Caribou, Challis, Payette, Salmon, Sawtooth, and Targhee.

<sup>c</sup> Before 1986, the volume figures included some buy-out and default volumes.

<sup>d</sup> As of September 30.

Source: Forest Service, U.S. Department of Agriculture; and Timber Data Company, Eugene, Oregon.

**Table 91—Funded fiscal year sale program volume on National Forest lands in Oregon and Washington, 1983-93**

(In million board feet, Scribner scale)

| Fiscal year | Oregon <sup>a</sup> | Washington | Total |
|-------------|---------------------|------------|-------|
| 1983        | 3,389               | 1,323      | 4,712 |
| 1984        | 3,608               | 1,320      | 4,928 |
| 1985        | 3,457               | 1,253      | 4,710 |
| 1986        | 3,469               | 1,216      | 4,685 |
| 1987        | 3,874               | 1,279      | 5,153 |
| 1988        | 3,925               | 1,317      | 5,242 |
| 1989-90     | 5,600               | 2,100      | 7,700 |
| 1991        | 2,625               | 653        | 3,278 |
| 1992        | 2,401               | 568        | 2,969 |
| 1993        | 1,855               | 424        | 2,279 |

Note: 1989-90 must be a single entity, and the volume is net merchantable timber, as mandated by Section 318 of the FY 1990 Appropriations Act.

<sup>a</sup> Includes California volumes for Rogue River and Siskiyou National Forests; also includes Washington volume for Umatilla National Forest.

**Table 92—Sale quantity and uncut volume under contract on Bureau of Land Management lands in Oregon, 1982-92**

(In million board feet, Scribner scale)

| Year | Sale quantity | Uncut volume under contract | Ratio |
|------|---------------|-----------------------------|-------|
| 1982 | 1,120         | 3,491                       | 3.1   |
| 1983 | 1,048         | 3,520                       | 3.4   |
| 1984 | 1,023         | 3,639                       | 3.6   |
| 1985 | 1,000         | 3,498                       | 3.5   |
| 1986 | 1,574         | 2,104                       | 1.3   |
| 1987 | 1,188         | 2,129                       | 1.8   |
| 1988 | 1,183         | 1,700                       | 1.4   |
| 1989 | 762           | 1,189                       | 1.6   |
| 1990 | 1,193         | 1,013                       | .8    |
| 1991 | 462           | 925                         | 2.0   |
| 1992 | 69            | 616                         | 8.9   |

Source: Bureau of Land Management.

**Table 93—Allowable annual cut and uncut volume under contract on Oregon State lands, 1981-91<sup>a</sup>**

(In million board feet, Scribner scale)

| Year | Allowable cut | Uncut volume under contract | Ratio |
|------|---------------|-----------------------------|-------|
| 1981 | 220           | 507                         | 2.3   |
| 1982 | 220           | 676                         | 3.1   |
| 1983 | 205           | 503                         | 2.5   |
| 1984 | 202           | 555                         | 2.7   |
| 1985 | 210           | 461                         | 2.2   |
| 1986 | 222           | 389                         | 1.8   |
| 1987 | 197           | 367                         | 1.9   |
| 1988 | 193           | 307                         | 1.6   |
| 1989 | 193           | 286                         | 1.5   |
| 1990 | 180           | 219                         | 1.2   |
| 1991 | 150           | 296                         | 2.0   |

<sup>a</sup> As of December 31.

Source: State of Oregon, Department of Forestry.

**Table 94—Sustainable harvest and uncut volume under contract on Washington State lands, 1982-92<sup>a</sup>**

(In million board feet, Scribner scale)

| Year | Sustainable harvest | Uncut volume under contract | Ratio |
|------|---------------------|-----------------------------|-------|
| 1982 | 757                 | 2,101                       | 2.8   |
| 1983 | 777                 | 1,824                       | 2.3   |
| 1984 | 777                 | 1,395                       | 1.8   |
| 1985 | 777                 | 1,165                       | 1.5   |
| 1986 | 778                 | 1,013                       | 1.3   |
| 1987 | 778                 | 853                         | 1.1   |
| 1988 | 778                 | 796                         | 1.0   |
| 1989 | 778                 | 851                         | 1.1   |
| 1990 | 857                 | 831                         | 1.0   |
| 1991 | 840                 | 856                         | 1.0   |
| 1992 | 840                 | 749                         | .9    |

<sup>a</sup> As of June 30.

Source: State of Washington, Department of Natural Resources.

**Table 95—Small business set-aside sales and total sales on the National Forests, Pacific Northwest Region, 1987-92**

| Quarter    | Colville               |             | Deschutes       |             | Fremont         |             | Gifford Pinchot |             | Malheur         |             |
|------------|------------------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
|            | Set-aside sales        | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales |
| 1987       | 7                      | 43          | 7               | 36          | 10              | 35          | 13              | 82          | 14              | 52          |
| 1988       | 2                      | 31          | 7               | 47          | 5               | 30          | 14              | 94          | 12              | 51          |
| 1989       | 6                      | 35          | 0               | 22          | 4               | 33          | 9               | 61          | 5               | 50          |
| 1990       | 15                     | 34          | 12              | 56          | 6               | 30          | 15              | 93          | 2               | 55          |
| 1991       | 7                      | 25          | 1               | 23          | 5               | 24          | 5               | 16          | 6               | 35          |
| 1992:      |                        |             |                 |             |                 |             |                 |             |                 |             |
| 1st qtr.   | 0                      | 1           | 3               | 3           | 2               | 4           | 0               | 1           | 1               | 5           |
| 2d qtr.    | 0                      | 3           | 0               | 5           | 2               | 5           | 2               | 5           | 2               | 12          |
| 3d qtr.    | 1                      | 2           | 2               | 10          | 0               | 3           | 3               | 4           | 3               | 14          |
| 4th qtr.   | 0                      | 10          | 4               | 7           | 2               | 7           | 0               | 1           | 4               | 13          |
| 1992 total | 1                      | 16          | 9               | 25          | 6               | 19          | 5               | 11          | 10              | 44          |
|            | Mount Baker-Snoqualmie |             | Mount Hood      |             | Ochoco          |             | Okanogan        |             | Olympic         |             |
|            | Set-aside sales        | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales |
| 1987       | 23                     | 63          | 5               | 55          | 12              | 19          | 4               | 13          | 5               | 68          |
| 1988       | 24                     | 72          | 15              | 77          | 12              | 26          | 0               | 23          | 8               | 57          |
| 1989       | 25                     | 50          | 14              | 54          | 8               | 16          | 1               | 17          | 4               | 32          |
| 1990       | 24                     | 82          | 20              | 100         | 11              | 32          | 2               | 20          | 4               | 49          |
| 1991       | 3                      | 12          | 6               | 30          | 5               | 19          | 0               | 13          | 0               | 9           |
| 1992:      |                        |             |                 |             |                 |             |                 |             |                 |             |
| 1st qtr.   | 0                      | 0           | 1               | 3           | 4               | 4           | 0               | 0           | 0               | 0           |
| 2d qtr.    | 0                      | 0           | 1               | 3           | 0               | 1           | 0               | 2           | 0               | 3           |
| 3d qtr.    | 0                      | 0           | 8               | 20          | 0               | 4           | 0               | 10          | 0               | 4           |
| 4th qtr.   | 0                      | 7           | 1               | 1           | 2               | 5           | 0               | 1           | 0               | 0           |
| 1992 total | 0                      | 7           | 11              | 27          | 6               | 14          | 0               | 13          | 0               | 7           |
|            | Rogue River            |             | Siskiyou        |             | Siustlaw        |             | Umatilla        |             | Umpqua          |             |
|            | Set-aside sales        | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales |
| 1987       | 28                     | 61          | 5               | 33          | 25              | 75          | 1               | 22          | 39              | 153         |
| 1988       | 27                     | 51          | 4               | 44          | 9               | 81          | 3               | 24          | 23              | 141         |
| 1989       | 23                     | 35          | 3               | 23          | 9               | 56          | 1               | 30          | 25              | 115         |
| 1990       | 26                     | 51          | 8               | 50          | 10              | 88          | 1               | 33          | 25              | 116         |
| 1991       | 4                      | 5           | 1               | 2           | 1               | 8           | 1               | 18          | 2               | 24          |
| 1992:      |                        |             |                 |             |                 |             |                 |             |                 |             |
| 1st qtr.   | 0                      | 0           | 0               | 1           | 1               | 1           | 0               | 4           | 1               | 3           |
| 2d qtr.    | 0                      | 0           | 1               | 1           | 1               | 1           | 1               | 3           | 1               | 2           |
| 3d qtr.    | 1                      | 1           | 0               | 0           | 0               | 3           | 0               | 2           | 1               | 4           |
| 4th qtr.   | 0                      | 0           | 0               | 0           | 0               | 1           | 1               | 3           | 0               | 0           |
| 1992 total | 1                      | 1           | 1               | 2           | 2               | 6           | 2               | 12          | 3               | 9           |
|            | Wallowa-Whitman        |             | Wenatchee       |             | Willamette      |             | Winema          |             | All forests     |             |
|            | Set-aside sales        | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales | Set-aside sales | Total sales |
| 1987       | 10                     | 34          | 5               | 33          | 56              | 139         | 7               | 39          | 276             | 1,055       |
| 1988       | 9                      | 53          | 7               | 44          | 44              | 142         | 7               | 34          | 232             | 1,122       |
| 1989       | 6                      | 41          | 10              | 48          | 25              | 127         | 8               | 30          | 186             | 875         |
| 1990       | 4                      | 37          | 0               | 59          | 85              | 205         | 12              | 26          | 282             | 1,216       |
| 1991       | 2                      | 25          | 1               | 13          | 7               | 33          | 3               | 20          | 60              | 354         |
| 1992:      |                        |             |                 |             |                 |             |                 |             |                 |             |
| 1st qtr.   | 0                      | 1           | 0               | 1           | 6               | 14          | 0               | 2           | 19              | 48          |
| 2d qtr.    | 1                      | 3           | 0               | 2           | 3               | 8           | 0               | 2           | 15              | 61          |
| 3d qtr.    | 3                      | 8           | 0               | 4           | 2               | 7           | 0               | 3           | 24              | 103         |
| 4th qtr.   | 11                     | 22          | 1               | 3           | 0               | 4           | 0               | 8           | 26              | 93          |
| 1992 total | 15                     | 34          | 1               | 10          | 11              | 33          | 0               | 15          | 84              | 305         |

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

**Table 96—Volume and average value of timber sold on set-aside sales on the National Forests, Pacific Northwest Region, 1987-92**

(Volume in thousand board feet; value in dollars per thousand board feet)

| Quarter    | Colville               |               | Deschutes  |               | Fremont    |               | Gifford Pinchot |               | Malheur     |               |
|------------|------------------------|---------------|------------|---------------|------------|---------------|-----------------|---------------|-------------|---------------|
|            | Volume                 | Average value | Volume     | Average value | Volume     | Average value | Volume          | Average value | Volume      | Average value |
| 1987       | 5,378                  | 57.34         | 26,341     | 97.46         | 70,740     | 156.37        | 6,635           | 146.88        | 2,725       | 255.82        |
| 1988       | 1,820                  | 107.41        | 1,673      | 100.32        | 30,530     | 134.57        | 7,280           | 124.34        | 4,195       | 165.04        |
| 1989       | 1,648                  | 150.00        | 0          | --            | 25,150     | 253.31        | 2,505           | 189.63        | 1,070       | 150.33        |
| 1990       | 75,315                 | 82.83         | 4,589      | 243.43        | 37,110     | 217.36        | 5,550           | 267.83        | 780         | 347.25        |
| 1991       | 35,290                 | 54.11         | 2,350      | 79.39         | 16,100     | 233.11        | 5,135           | 248.34        | 1,310       | 190.13        |
| 1992:      |                        |               |            |               |            |               |                 |               |             |               |
| 1st qtr.   | 0                      | --            | 18,590     | 137.03        | 2,170      | 517.15        | 0               | --            | 600         | 175.01        |
| 2d qtr.    | 0                      | --            | 0          | --            | 9,000      | 528.85        | 3,440           | 186.59        | 239         | 90.21         |
| 3d qtr.    | 40                     | 185.00        | 255        | 483.78        | 0          | --            | 3,107           | 48.57         | 373         | 236.65        |
| 4th qtr.   | 0                      | --            | 10,205     | 126.34        | 3,770      | 208.54        | 0               | --            | 703         | 81.42         |
| 1992 total | 40                     | 185.00        | 29,050     | 136.32        | 14,940     | 446.32        | 6,547           | 121.09        | 1,915       | 142.07        |
|            |                        |               |            |               |            |               |                 |               |             |               |
|            | Mount Baker-Snoqualmie |               | Mount Hood |               | Ochoco     |               | Okanogan        |               | Olympic     |               |
|            | Volume                 | Average value | Volume     | Average value | Volume     | Average value | Volume          | Average value | Volume      | Average value |
| 1987       | 35,050                 | 101.96        | 1,100      | 144.68        | 74,290     | 232.53        | 7,750           | 27.38         | 5,300       | 115.16        |
| 1988       | 65,895                 | 198.90        | 6,980      | 173.58        | 63,102     | 238.34        | 0               | --            | 4,133       | 140.96        |
| 1989       | 64,005                 | 281.85        | 4,536      | 153.31        | 58,900     | 266.91        | 350             | 38.73         | 1,685       | 202.59        |
| 1990       | 57,990                 | 207.09        | 2,901      | 308.70        | 51,390     | 223.10        | 1,690           | 27.64         | 775         | 238.75        |
| 1991       | 477                    | 141.84        | 854        | 258.73        | 16,950     | 283.26        | 0               | --            | 0           | --            |
| 1992:      |                        |               |            |               |            |               |                 |               |             |               |
| 1st qtr.   | 0                      | --            | 95         | 341.11        | 6,580      | 470.26        | 0               | --            | 0           | --            |
| 2d qtr.    | 0                      | --            | 265        | 252.00        | 0          | --            | 0               | --            | 0           | --            |
| 3d qtr.    | 0                      | --            | 4,150      | 186.23        | 0          | --            | 0               | --            | 0           | --            |
| 4th qtr.   | 0                      | --            | 175        | 457.67        | 11,000     | 641.48        | 0               | --            | 0           | --            |
| 1992 total | 0                      | --            | 4,685      | 208.23        | 17,580     | 577.39        | 0               | --            | 0           | --            |
|            |                        |               |            |               |            |               |                 |               |             |               |
|            | Rogue River            |               | Siskiyou   |               | Siuslaw    |               | Umatilla        |               | Umpqua      |               |
|            | Volume                 | Average value | Volume     | Average value | Volume     | Average value | Volume          | Average value | Volume      | Average value |
| 1987       | 76,620                 | 139.12        | 4,920      | 366.86        | 79,052     | 103.35        | 125             | 58.65         | 5,775       | 136.35        |
| 1988       | 101,295                | 191.14        | 883        | 114.66        | 2,283      | 192.14        | 3,400           | 14.60         | 6,130       | 160.86        |
| 1989       | 67,905                 | 260.39        | 710        | 443.82        | 1,972      | 310.35        | 670             | 10.45         | 3,181       | 294.24        |
| 1990       | 51,970                 | 293.37        | 2,378      | 231.64        | 2,678      | 270.04        | 580             | 20.81         | 5,305       | 319.21        |
| 1991       | 645                    | 143.65        | 170        | 25.10         | 250        | 298.00        | 194             | 87.31         | 72          | 507.17        |
| 1992:      |                        |               |            |               |            |               |                 |               |             |               |
| 1st qtr.   | 0                      | --            | 0          | --            | 27         | 338.30        | 0               | --            | 320         | 288.08        |
| 2d qtr.    | 0                      | --            | 70         | 52.60         | 200        | 66.30         | 70              | 264.54        | 170         | 185.68        |
| 3d qtr.    | 18                     | 155.33        | 0          | --            | 0          | --            | 0               | --            | 730         | 530.61        |
| 4th qtr.   | 0                      | --            | 0          | --            | 0          | --            | 54              | 150.00        | 0           | --            |
| 1992 total | 18                     | 155.33        | 70         | 52.60         | 227        | 98.65         | 124             | 214.66        | 1,220       | 418.93        |
|            |                        |               |            |               |            |               |                 |               |             |               |
|            | Wallowa-Whitman        |               | Wenatchee  |               | Willamette |               | Winema          |               | All forests |               |
|            | Volume                 | Average value | Volume     | Average value | Volume     | Average value | Volume          | Average value | Volume      | Average value |
| 1987       | 41,050                 | 37.05         | 16,750     | 62.69         | 191,287    | 134.64        | 50,390          | 208.58        | 701,233     | 139.33        |
| 1988       | 4,349                  | 32.07         | 11,820     | 127.03        | 113,845    | 214.35        | 58,750          | 193.62        | 488,163     | 193.26        |
| 1989       | 6,554                  | 180.25        | 24,251     | 128.95        | 10,201     | 284.33        | 40,010          | 169.52        | 315,303     | 239.80        |
| 1990       | 4,300                  | 94.88         | 0          | --            | 22,713     | 275.73        | 53,915          | 181.87        | 381,929     | 200.27        |
| 1991       | 1,600                  | 70.00         | 280        | 249.57        | 13,600     | 401.73        | 20,730          | 280.08        | 116,007     | 208.09        |
| 1992:      |                        |               |            |               |            |               |                 |               |             |               |
| 1st qtr.   | 0                      | --            | 0          | --            | 2,145      | 369.15        | 0               | --            | 30,527      | 255.33        |
| 2d qtr.    | 1,280                  | 296.17        | 0          | --            | 1,830      | 399.11        | 0               | --            | 16,564      | 402.46        |
| 3d qtr.    | 4,055                  | 117.11        | 0          | --            | 780        | 392.03        | 0               | --            | 13,508      | 171.28        |
| 4th qtr.   | 30,771                 | 152.31        | 3,640      | 12.57         | 0          | --            | 0               | --            | 60,318      | 232.27        |
| 1992 total | 36,106                 | 153.46        | 3,640      | 12.57         | 4,755      | 384.43        | 0               | --            | 120,917     | 254.59        |

Source: Forest Service, U.S. Department of Agriculture. Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

Warren, Debra D. 1993. Production, prices, employment, and trade in Northwest forest industries, fourth quarter 1992. Resour. Bull. PNW-RB-196. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 116 p.

Provides current information on lumber and plywood production and prices; employment in the forest industries; international trade in logs, lumber, and plywood; volume and average prices of stumpage sold by public agencies; and other related items.

Keywords: Forestry business economics, lumber prices, plywood prices, timber volume, stumpage prices, employment (forest products industries), marketing (forest products), imports and exports (forest products).

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