

**USDA** United States  
Department of  
Agriculture  
Forest Service  
Pacific Northwest  
Research Station  
General Technical  
Report  
PNW-GTR-423  
May 1998  


# Stumpage Prices, Volume Sold, and Volumes Harvested From the National Forests of the Pacific Northwest Region, 1984 to 1996

Richard W. Haynes



**Author**

RICHARD W. HAYNES is a research forester, Forestry Sciences Laboratory,  
P.O. Box 3890, Portland, OR 97208-3890.

## **Abstract**

**Haynes, Richard W. 1998.** Stumpage prices, volume sold, and volumes harvested from the National Forests of the Pacific Northwest Region, 1984 to 1996. Gen. Tech. Rep. PNW-GTR-423. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 91 p.

Two measures of stumpage prices and timber volumes from individual National Forests have been compiled for the Pacific Northwest Region, USDA Forest Service. The first measure is the price and volume of timber sold (1984-96) for the major species for each National Forest. The second measure is the price and volume of timber harvested (1988-96) from individual National Forests. Several price-related issues are discussed including seasonality in the data, the role of prices in monitoring market activity, and the impact of the recent drop in Forest Service timber sales.

Keywords: Stumpage prices, National Forests, monitoring, Pacific Northwest.

This page has been left blank intentionally.  
Document continues on next page.

## Introduction

Average stumpage prices from USDA Forest Service timber sales for major species in the Pacific Northwest Region (Region 6) have been published quarterly by the Pacific Northwest Research Station since 1963 (see, for example, Warren 1997). These prices have been widely used as standard measures of timber values in the Pacific Northwest. Beginning in 1977, quarterly stumpage price data for the 19 National Forests (fig. 1) in the Pacific Northwest Region also were included. The reason for adding these data was to provide forest planners and others with prices specific to geographic areas that were comparable to the prices published quarterly by the Pacific Northwest Station as regionwide averages. The purpose of this paper is to update to 1996 the historical stumpage price data for each National Forest of the Pacific Northwest Region. Some of the more important trends in the data also are summarized for the two subregions (the east and the west sides of the Cascade Range) that comprise the Pacific Northwest Region. Explanations of the underlying causes of these price changes are beyond the scope of this paper, however.

The distinctions among price, value, and worth are important in this paper. Price is used in the traditional sense; that is, price is where the amount willingly supplied and the amount willingly demanded are equal. In a practical sense, prices are set by actual transactions involving exchange, such as stumpage price for timber harvested. Values are estimates of amounts that will be paid, such as the price bid for timber harvested in the future. Worth is a quantity measure; in this paper, it is price multiplied by quantity. In forestry, we need to be cautious and reduce the ambiguous ways we define value (for example, the appraised price, the bid price, etc.). In that sense, the cut price for Forest Service timber (price of harvested timber) is probably the best measure to calculate the worth of timber in the Pacific Northwest, in that it represents the cost of roundwood to producers.

## Stumpage Prices

Two measures of National Forest stumpage prices are in current use. As might be expected, there is much discussion about which of the two is the best measure. The most widely reported stumpage prices are the prices bid for USDA Forest Service timber sales. These prices have been published quarterly since 1963 for broad areas and are generally cited as “sold” or “bid” prices. Since 1984, they have included estimated purchaser road credits (for road construction and reconstruction) and were what the National Forest System terms “high bid”; those before 1984 were “statistical high bid.” This latter variant purports to represent total returns to the U.S. Treasury. The other, less commonly used, measure is the price paid for timber harvested from Forest Service sales. This price is called the “cut” price and for an individual sale is the adjusted high-bid price<sup>1</sup> when the logs are scaled after harvest. The cut price series is available only as an all-species average, whereas sold prices are available for both principal species and all-species averages.

---

<sup>1</sup> Most Forest Service timber sale contracts now being offered in the West include provisions for adjusting the stumpage rates actually paid by purchasers for changes in product selling values. This process is termed “stumpage rate adjustment” or “price escalation.”

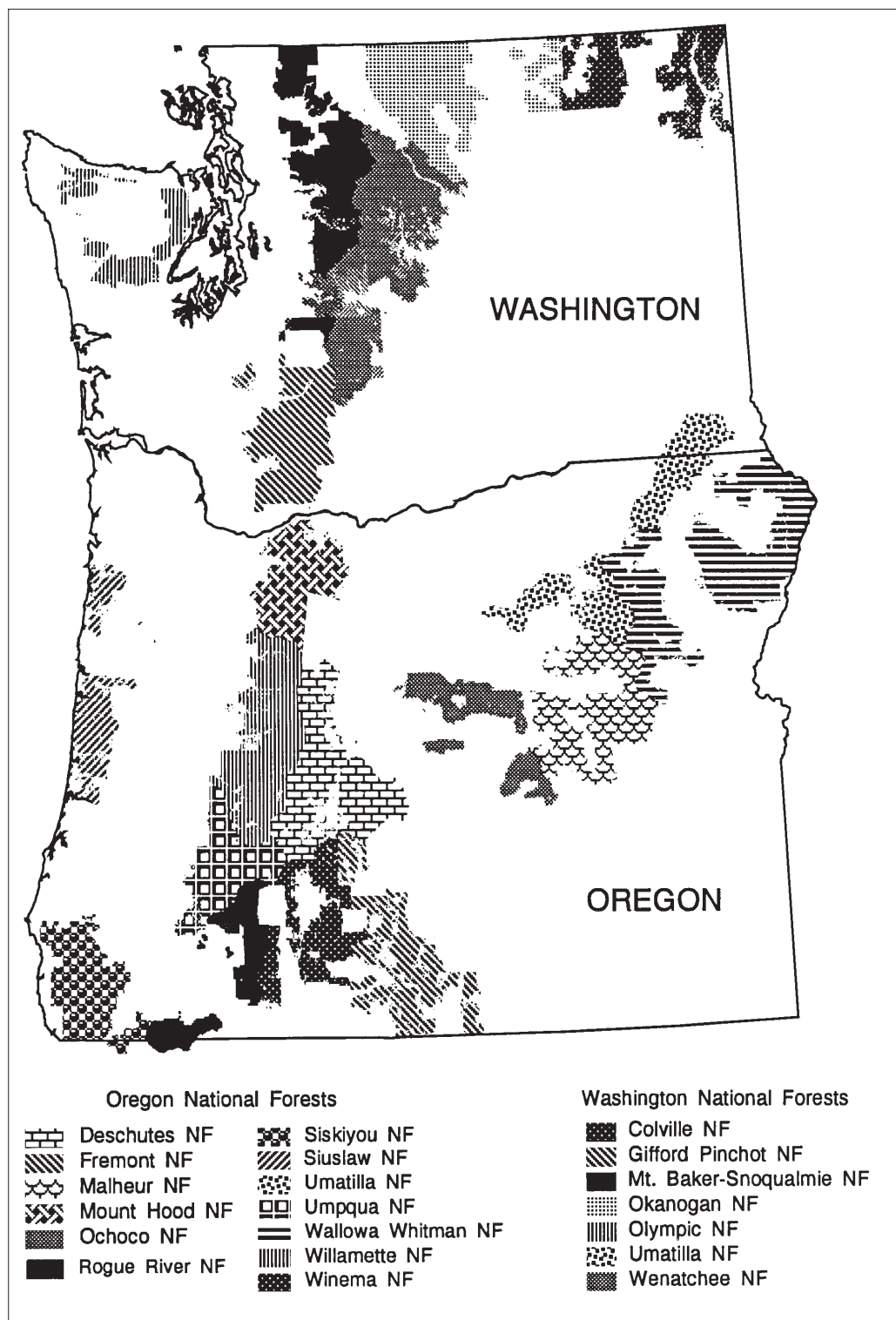


Figure 1—National Forests in the Pacific Northwest region.

In 1986, the historical “sold” prices were summarized by individual National Forest and extended back to 1973 to aid the National Forest planning process (Ruderman and Haynes 1986). Although this publication served many users, some of them argued that the reported “sold” prices were in many instances inaccurate measures of the prices actually paid for harvested National Forest timber. Most of these arguments came from analysts who felt that “cut prices” were a better measure of the worth of timber than the “sold” price (for an example, see Adams and Haynes 1991). The major distinction between cut and sold prices is that the cut price represents the current price of timber harvested, or the worth of timber in the marketplace; the sold price represents the value (current expectations of future prices) of timber meant for future harvest. In 1989, historical prices paid for timber harvest (or cut prices) from each National Forest was published in the same form as sold prices (Haynes and Warren 1989).

### The Sold Prices

Briefly, these stumpage prices are volume-weighted averages of bid prices, and they include an allowance (Knutson-Vandenburg [KV] funds) for improving a sale area after timber harvest. Since 1984, this series has included purchaser road credits (for road construction and reconstruction).

Quarterly stumpage price series for each of the 19 National Forests in the Pacific Northwest Region are given in tables 1 through 28 for 1985 to 1996 (see appendix). The price series were compiled from individual timber sale records. In the quarterly series (for example, Warren 1997), these prices have always been reported as preliminary in the sense that they do not include sales with a total value of less than \$2,000. Official sales records include all sales, but in the past only those available in time for publication were included. All reported series are volume-weighted averages and are expressed in nominal dollars per thousand board feet, Scribner scale; that is, they have not been adjusted for inflation. Tables 1 through 28 are summaries of volume and average stumpage prices for the various National Forests in the Pacific Northwest Region as they now exist.<sup>2</sup>

Figures 2 to 6 summarize some of the price series. Figure 2 shows the relations among the stumpage prices for the east-side National Forests, west-side National Forests, and the entire Region. For the most part, price patterns are the same for both east- and west-side National Forests, except in the last several years where reductions in National Forest timber programs<sup>3</sup> have resulted in higher west-side stumpage prices. Figures 3 and 4 show much variation among prices for various species, which raises questions about how “good” all-species averages are in some situations. One concern is that these all-species averages are greatly influenced by those few species making up the bulk of timber being sold. To illustrate the extent to which the all-species averages are influenced by Douglas-fir (*Pseudotsuga menziesii* (Mirbel) Franco) for the west side and ponderosa pine (*Pinus ponderosa* Dougl. ex Laws.) for the east side, we have computed an all “other species” average for both

<sup>2</sup> The Mount Hood National Forest is treated as a west-side forest in table 1 and 12 even though two districts contain east-side forest types.

<sup>3</sup> These reductions resulted from adoption of an ecosystem management approach to forest management in western Oregon and Washington that addresses maintenance and restoration of biological diversity, particularly that of the late-successional and old-growth ecosystems (see FEMAT 1993).

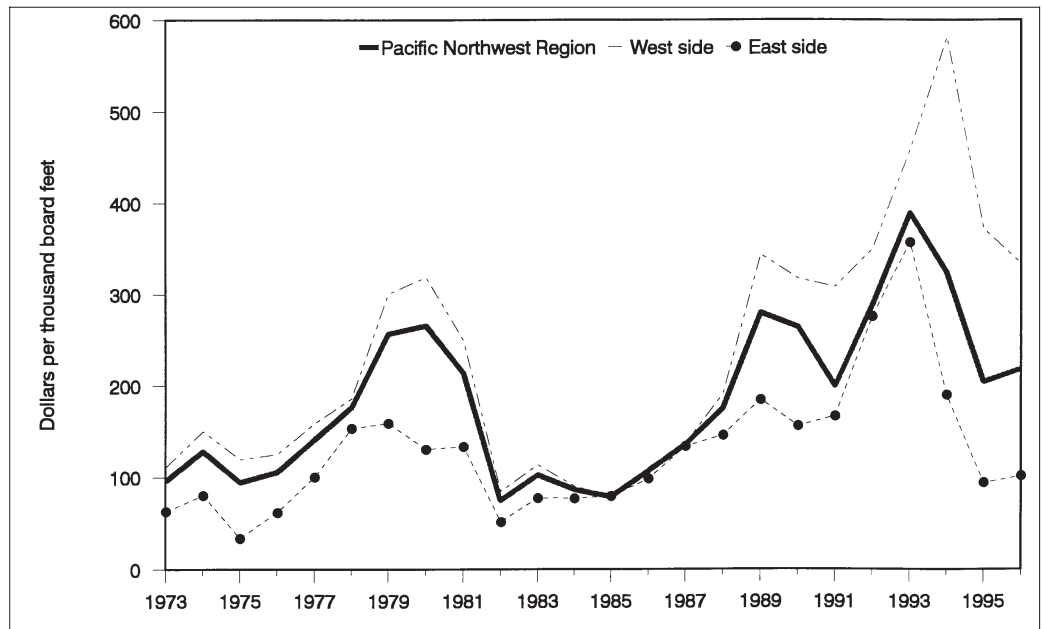


Figure 2—Average stumpage price of all species in east- and west-side National Forests and in the Pacific Northwest Region.

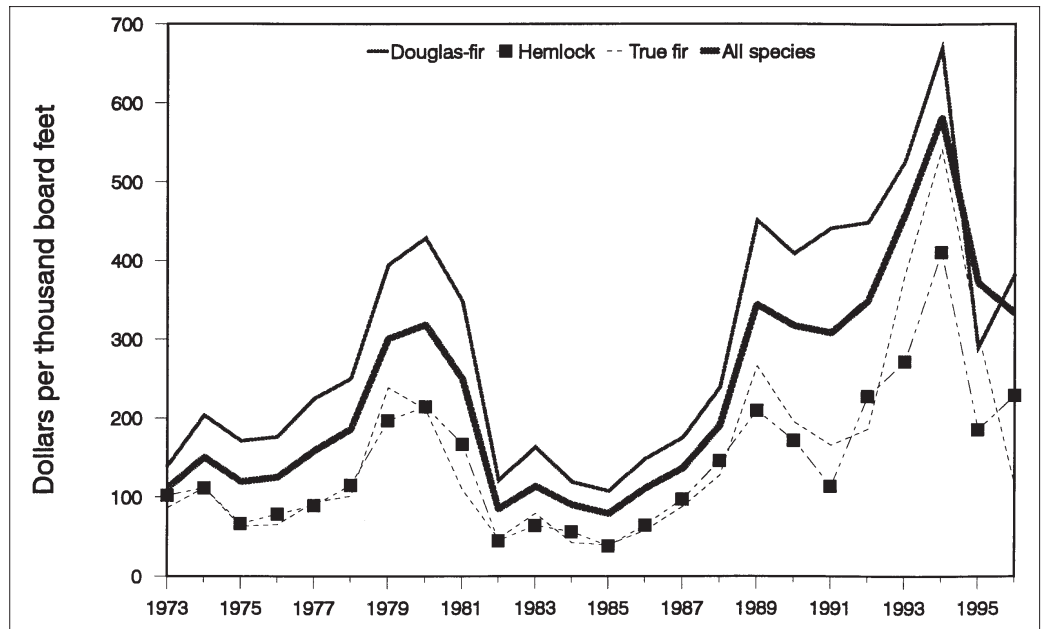


Figure 3—Average stumpage prices for major west-side species, Pacific Northwest Region.



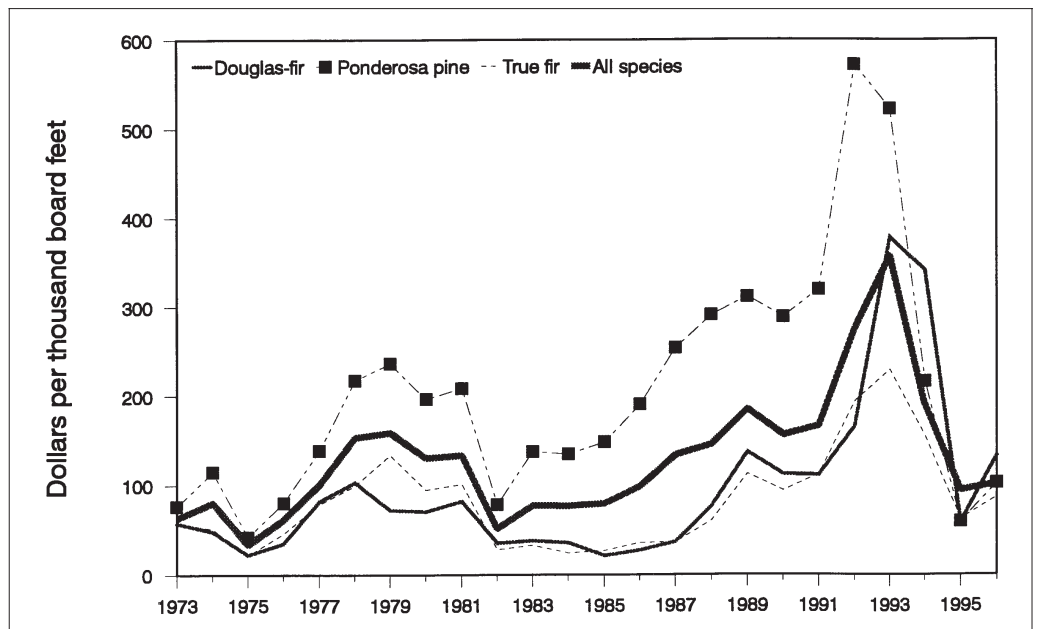


Figure 4—Average stumpage prices for major east-side species, Pacific Northwest Region.

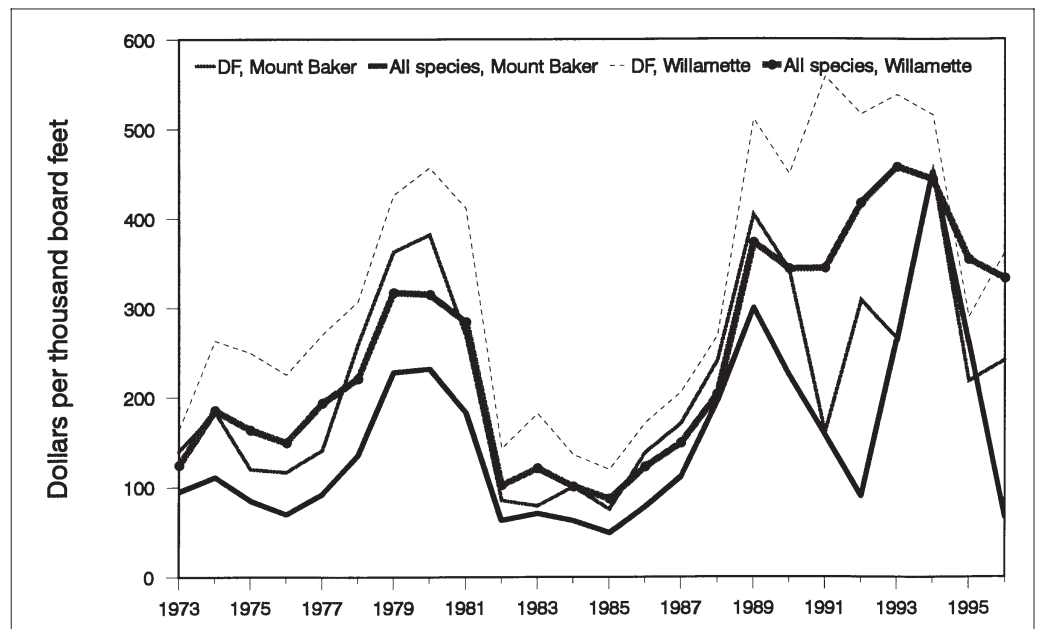


Figure 5—Average stumpage prices, Willamette and Mount-Baker Snoqualmie National Forests. DF=Douglas-fir.

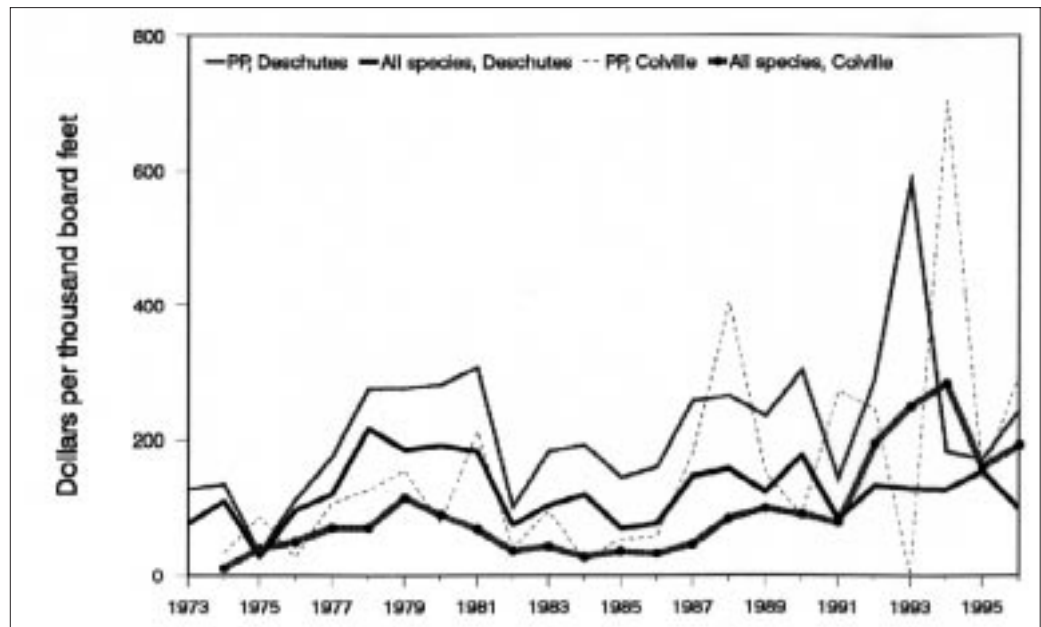


Figure 6—Average stumpage prices, Deschutes and Colville National Forests. PP=ponderosa pine.

areas. Figure 5 shows stumpage prices by different Forests for the major west-side species, and figure 6 shows stumpage prices by different Forests for the major east-side species. Both illustrate much intraregional variation in stumpage prices even for the same species, such as Douglas-fir for the west side.

Overall the general trend in stumpage prices (as defined by “sold” prices) over the past 21 years reflects three distinct periods: 1973 to 1979, 1982-89, and 1991-94. The years 1980, 1981, and 1990 reflect transitions. In the first period, the sharp increase in east-side prices after 1977 were attributable to both the use of sealed bidding during 1977 (Haynes 1980) and the high levels of housing starts in the late 1970s. The increase in west-side prices reflects the bidding frenzy in the late 1970s, as firms tried to position themselves for what was expected to be sustained high levels of housing starts in the 1980s as the baby boom generation moved into the housing market. In the second period, the lower prices reflect a realignment of expectations about the future and the effects of increased lumber production in Canada and the Southern United States. This period ended in the late 1980s, when peak harvest levels in the Region coincided with successful legal challenges to the Federal timber sales program in western Washington and Oregon. The third period reflects the transition of the west side following the decision in the District Court for Western Washington that resulted in an injunction<sup>4</sup> in 1991 on Forest Service timber sales and subsequent efforts to find a long-term solution.

<sup>4</sup> Seattle Audubon Society v. Evans, 771 F. Supp. 1081,1091 (W.D. Wash. 1991).

## The Cut Prices

The cut prices are averages of the stumpage prices actually paid when stands are harvested. They are composed of actual dollars deposited in the National Forest fund<sup>5</sup> and the KV fund. They exclude all purchaser road credits and all deposits or requirements timber purchasers must meet for brush disposal, snag felling, erosion control, scaling, road maintenance, and any other service or action benefiting National Forest land or resources. In the last decade, cut prices have been recognized as being a better measure of stumpage value than is "sold" price.

Prices for timber harvested, by quarter from 1988 to 1996, for each of the 19 National Forests (fig. 1) in the Pacific Northwest region are given in tables 29-34. The price series in the tables were compiled from various reports on cut and sold timber.<sup>6</sup> All reported prices are volume-weighted averages and are expressed in nominal dollars per thousand board feet, Scribner scale; that is, they have not been adjusted for inflation. Further, these are all-species prices, and prices paid at one National Forest at different times or at different Forests may be influenced by different species proportions.

Figures 7-9 summarize some of the price series. Figure 7 shows the relation among the stumpage prices for the east- and west-side National Forests and for the entire Region. Until the 1982 recession, stumpage prices for the east side averaged about two-thirds of those for the west side. Between 1982 and 1986, there was parity in stumpage prices between the east and west sides. Stumpage prices during 1986-87 were about 10 to 20 percent lower than those for 1978-79. If these prices were deflated and considered without the effects of inflation, they would show no change in stumpage prices from 1973 to 1987. From 1987 to 1992, cut prices for the west-side forests have increased steadily and those for the east side experienced greater volatility but less overall increase. These comparisons assume that species mix, timber quality, and other factors remained roughly constant during the data period.

Figures 8 and 9 illustrate "cut stumpage prices" for selected National Forests in the west- and east-side subregions. The volatility is greater for the east side where ponderosa pine greatly affects stumpage prices even for neighboring forests, such as the Deschutes and Malheur National Forests. The variation in prices between forests or subregions is due to different species, timber quality attributes, and markets (end uses) for the timber. The variation in prices also may reflect the relative volume of private timber in a subregion. Finally, the persistence of price differences among Forests is notable. There is little evidence of price convergence among Forests as is suggested by the general observation that market areas, and hence competition, for sales have grown over the past two decades.

During some periods when prices have fallen overall, cut prices can be negative when purchaser road credits and deposits for brush disposal, snag felling, erosion control, etc., exceed the value of timber being harvested. This rare occurrence is

---

<sup>5</sup> The National Forest Fund serves as a holding point for receipts that will be subsequently allocated to specific purposes like payments to states. At the end of the fiscal year, the balance is transferred to the General Fund of the U.S. Treasury.

<sup>6</sup> Reports on cut and sold timber (filled on form 1380) are published quarterly by the various Regional timber management staffs. These reports are on file with the timber management staffs in each USDA Forest Service Regional Office.

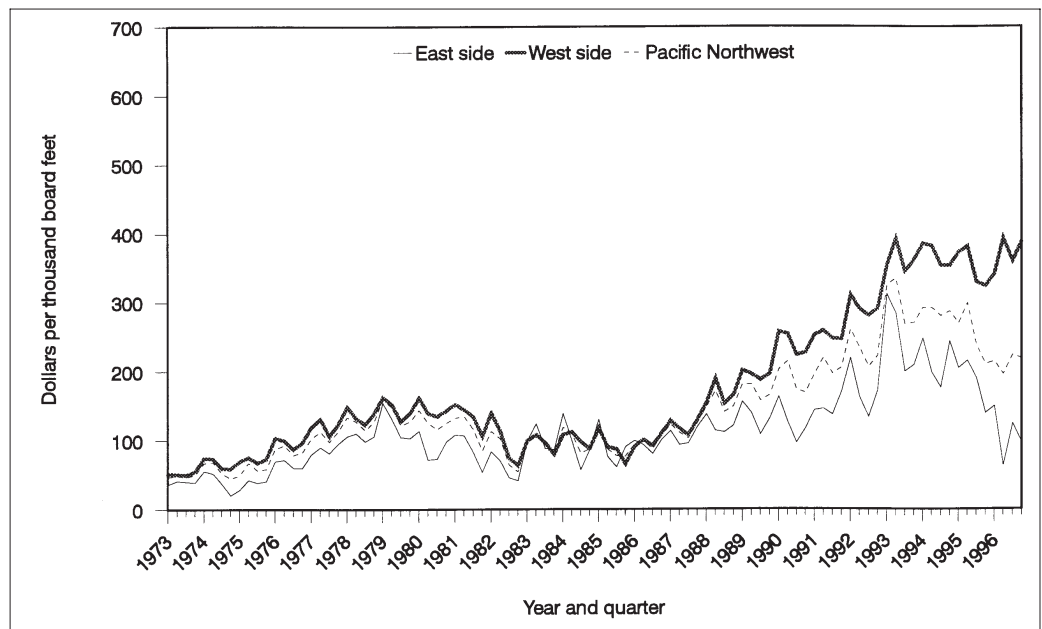


Figure 7—Quarterly cut prices for east- and west-side National Forests and the Pacific Northwest regional average.

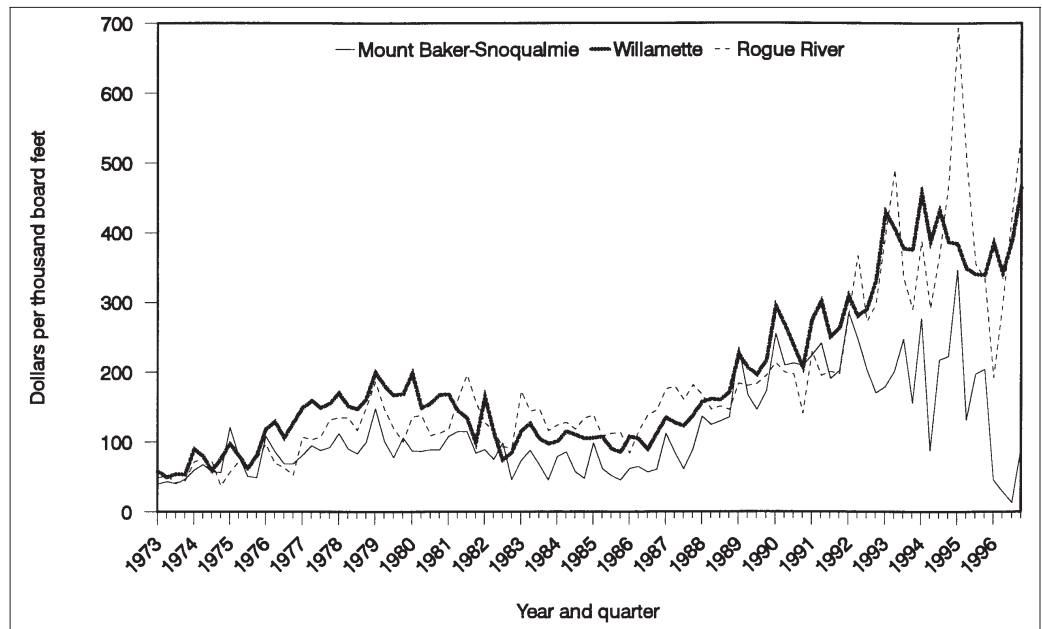


Figure 8—Quarterly cut prices, Mount Baker-Snoqualmie, Willamette, and Rogue River National Forests.

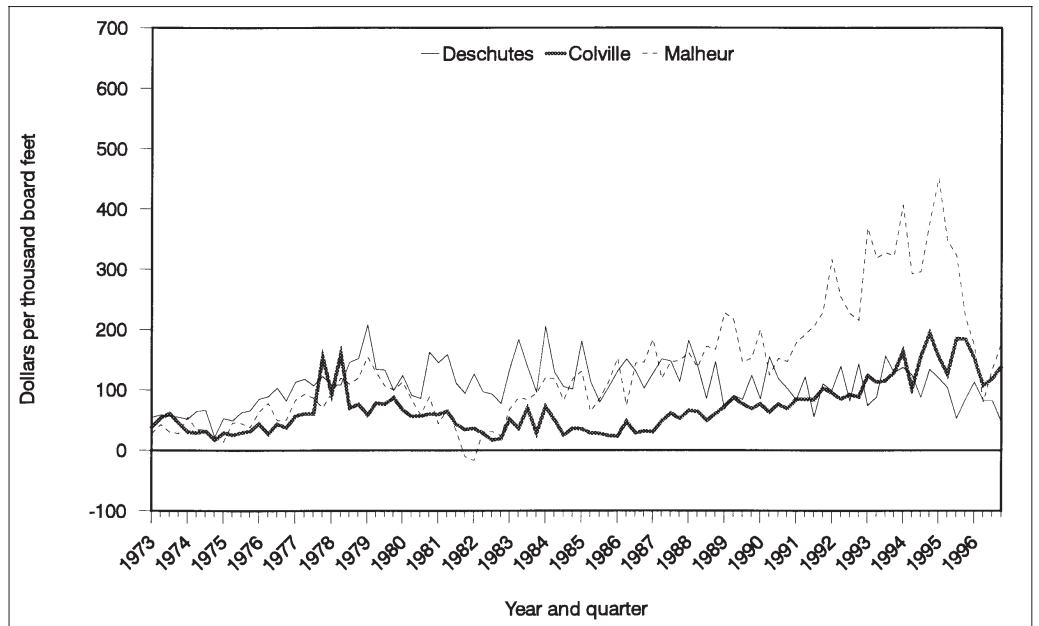


Figure 9—Quarterly cut prices, Deschutes, Colville, and Malheur National Forests.

illustrated in figure 9, which shows cut prices from the Malheur National Forest as negative for the fourth quarter of 1981 and the first quarter of 1982. This is the only recent such incident in Region 6.

## Stumpage Price Summary

Figures 10 and 11 show the relation between quarterly cut and sold prices for the west and east sides. These figures illustrate that the cut price is not simply some sort of moving average of sold prices.<sup>7</sup> Both figures illustrate, for example, that the high sold prices in 1979 and 1980 did not lead to equally high cut prices in either these or subsequent years. The cut price is instead the product of a complex process confounded by various price adjustments. At any time, producers are holding an array of various timber sales, each with different species and timber quality attributes. Producers then exercise the opportunity to mix timber of higher cost with timber of lower cost. Such cost differences can arise from differences in sale dates, adjusted bid prices, location, and timber quality.

<sup>7</sup> Moving averages with price series are usually calculated over three or five data points. For example, a 3-year moving average (using annual data) for 1995 would be calculated from data for 1993, 1994, and 1995.

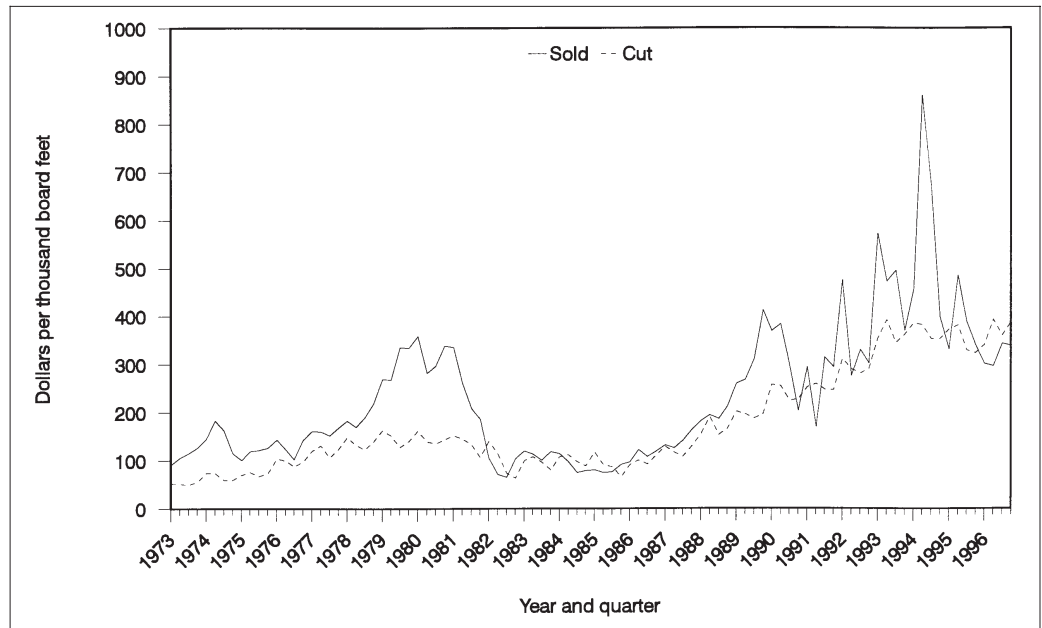


Figure 10—Quarterly cut and sold prices for west-side National Forests.

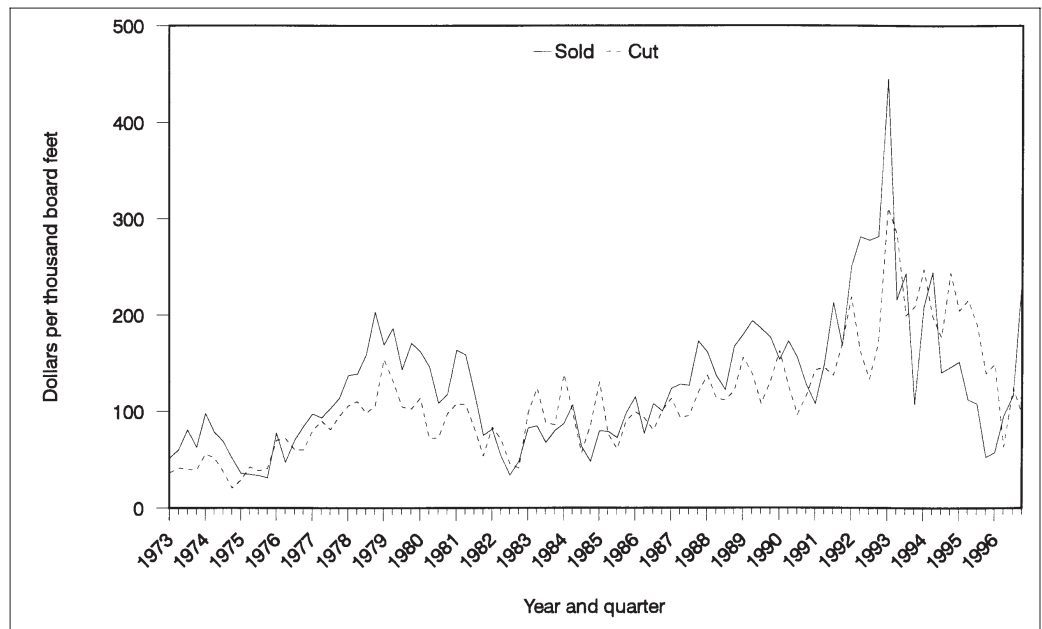


Figure 11—Quarterly cut and sold prices for east-side National Forests.

In an economic sense, the price paid for timber harvested from a National Forest is the same as the value of all timber in similar areas. This statement assumes that arbitrage (and competitive markets) will result in equalized stumpage prices and the establishment of a single stumpage market in similar areas. Economists also argue that the phenomenon of arbitrage establishes relations among spatially distinct markets. Traditional spatial economics (for example, see Bressler and King 1970) argues that prices for a homogenous commodity in two locations should differ by only the differences in transport costs to a common point of consumption. This does not mean that stumpage prices are the same among neighboring timberheds, but if all else is the same, they should differ only by differences in transport costs to the point of processing. The assumption of arbitrage is critical because it allows the use of, say, a Forest Service stumpage price to represent stumpage prices for all owners in a similar and contiguous area. Private timber and even its dominance in markets affects the variability of National Forest cut prices, but the existence of arbitrage guarantees that stumpage prices will equalize among timberland owners. This latter concept is explored more fully in Adams and Haynes (1991).

## Seasonality

In addition to the basic trends in the data, there also are differences in the seasonal patterns between the two different measures of stumpage prices.<sup>8</sup> Past research suggests significant seasonal patterns can occur within annual data (Haynes 1991, Sohngen and Haynes 1994). The key to understanding these patterns is to better interpret intrayear trends in prices. This can be illustrated through the quarterly data (shown in figures 10 and 11) deflated for the effects of inflation.<sup>9</sup> The seasonal patterns for east-side sold and cut prices are shown in table 35 and for west-side sold and cut prices in table 36. These data can be summarized for Region 6 and are shown in the following tabulation.

Quarter	Adjustments	
	Cut	Sold
First	1.103	1.034
Second	1.082	1.000
Third	.907	.984
Fourth	.908	.982

<sup>8</sup> Examining stumpage prices for seasonal patterns has a very recent history in forestry (Haynes 1991, Sohngen and Haynes 1994). The intent of seasonal adjustment is to decompose a price series into its different components: trend, cycle, seasonality, and randomness. The trend component (general increases and decreases) is largely obvious in the stumpage price data shown in tables 1 to 34. Past studies (for example, Haynes 1991) have found seasonal patterns in stumpage prices but concluded that random components seem to be more important than cyclical parts.

<sup>9</sup> Often these deflated prices are referred to as "real prices." In forestry, the convention is to deflate the nominal price data by the Producer Price Index (for all commodities).

The numbers in the tabulation both confirm and provide explicit estimates to the generally observed notions that stumpage prices are higher in winter than in summer: 18 percent higher for cut prices and 5 percent higher for sold prices. The greater variation in cut prices illustrates the flexibility operators have to mix sales of different prices to control raw material costs.

The significance of the seasonal adjustments is in understanding that stumpage prices vary during the year. For example, if all else is held constant, changes in cut stumpage from \$110.30 in the first quarter to \$90.70 per thousand board feet in the third quarter is, after seasonal adjustments, no change at all; that is, prices remained constant at \$100 per thousand board feet between the first and third quarters. These figures illustrate the need for caution in how intrayear stumpage price comparisons are made.

## Contemporary Price Concerns

Three issues over the last several years have raised price-related concerns other than just seasonal effects. Two of these issues have evolved from concerns raised as part of the shift in land management patterns from stand management to ecosystem management. The first issue is a greater emphasis on understanding the effects of differences in both geographic and temporal scales on economic processes.<sup>10</sup> The second issue is the role of prices as an indicator of market activity. A third issue not related to changing land management patterns has been the impact in the last 5 years of the changing nature of Forest Service sales on stumpage prices.

## Scale

The data in tables 1 through 34 illustrate how prices differ across various spatial scales. Concerns about how prices vary geographically are consistent with the broader current interest in understanding both the spatial and temporal hierarchy aspects of land management. Prices in this context are somewhat unique in that a price is always associated with a specific point in time and for a specific geographic market. For example, the prices in tables 1 through 34 are shown for calendar years; that is, they are the volume-weighted averages of specific prices for timber sold or harvested during that year. When economists generalize price series, that discussion is often in the context of the trend in prices. For example, the average real cut prices for Region 6 have been increased by 5.7 percent per year for the west side and by 5.2 percent per year for the east side from 1973 to 1996.

The spatial dimension of prices can be illustrated by both map (fig. 12) and graph (fig. 13). Most notions of spatial hierarchy assert that things at one spatial level are directly linked to either higher or lower sequential levels. In economics, prices at different spatial scales represent different markets. In a practical sense, the stumpage prices in tables 1 through 34 are volume-weighted averages and, for large areas, are simply averages calculated over large areas and with different volume proportions. Figures 12 and 13 illustrate differences in the spatial dimension of prices. These differences are due to more than just transport costs: They also embody differences in species, size of timber, sales arrangements, end product markets and potential uses, and a host of other factors.

---

<sup>10</sup> Current thinking is that ecosystems can be viewed spatially and temporally within organizational levels. These levels can be viewed within hierarchies, where every level has discrete ecological functions but at the same time is part of a larger whole (Haynes and others 1996).



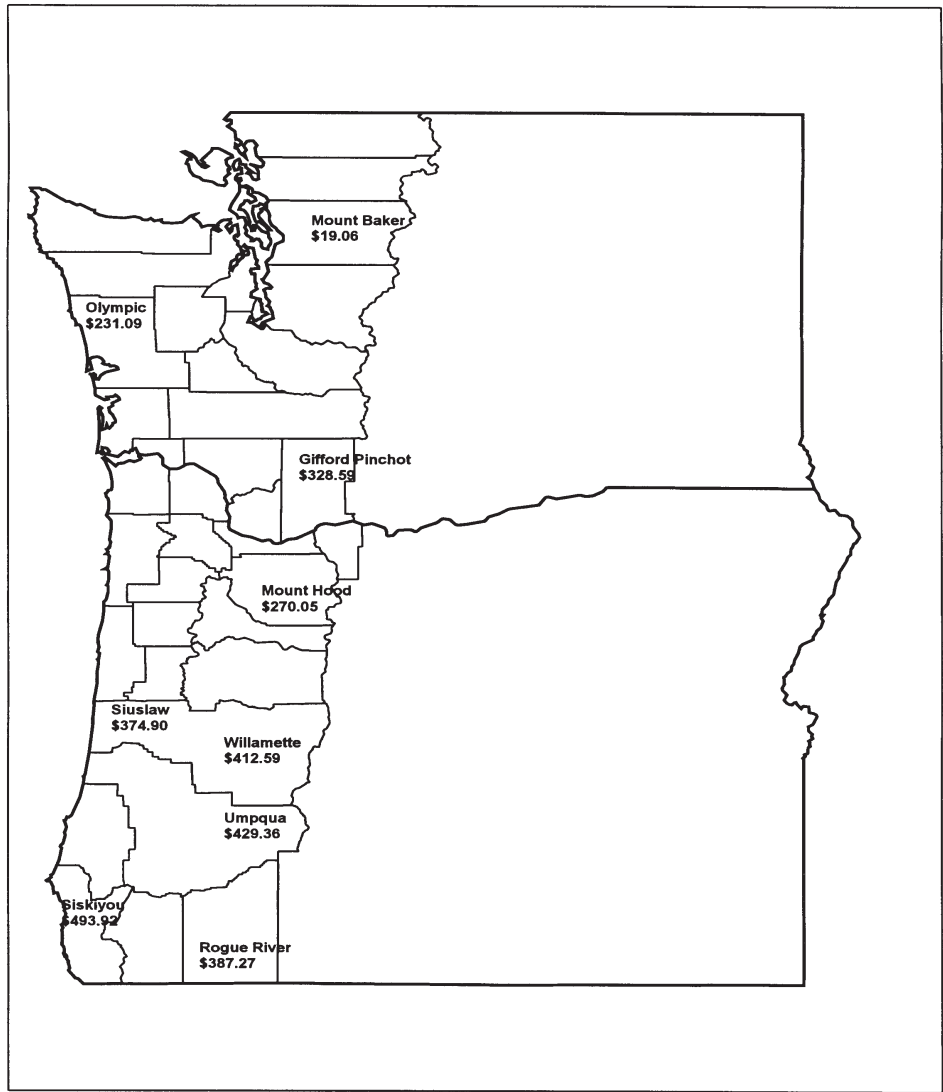


Figure 12—Harvest prices in dollars per thousand board feet for western Oregon and Washington National Forests, 1996.

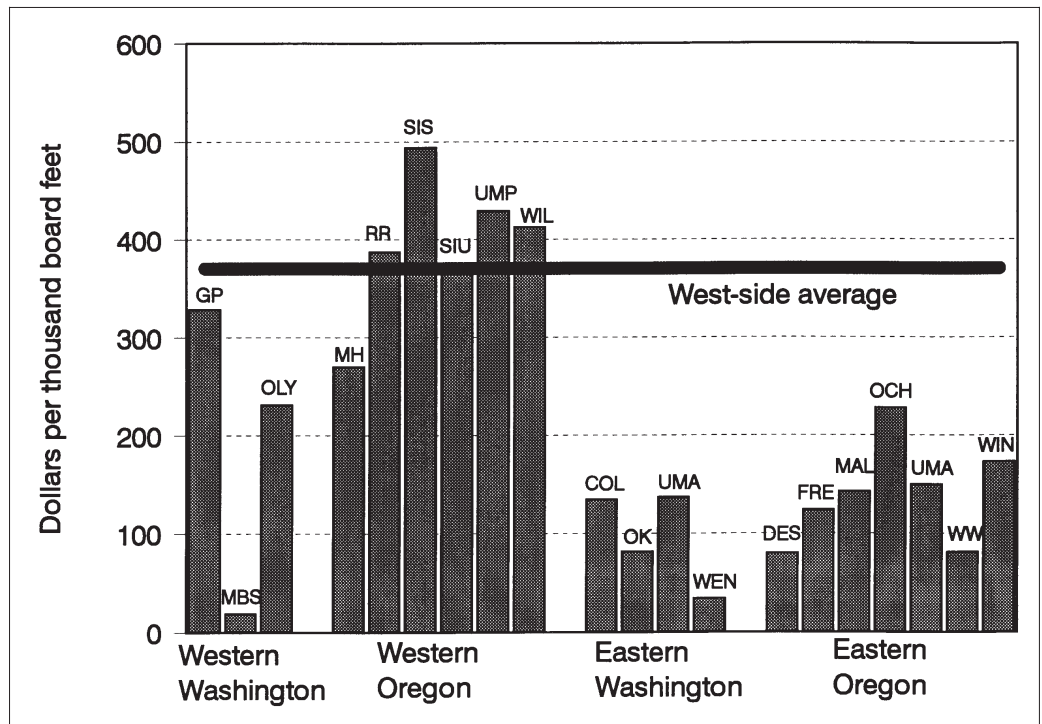


Figure 13—Harvest prices for National Forests in Washington and Oregon, 1996.

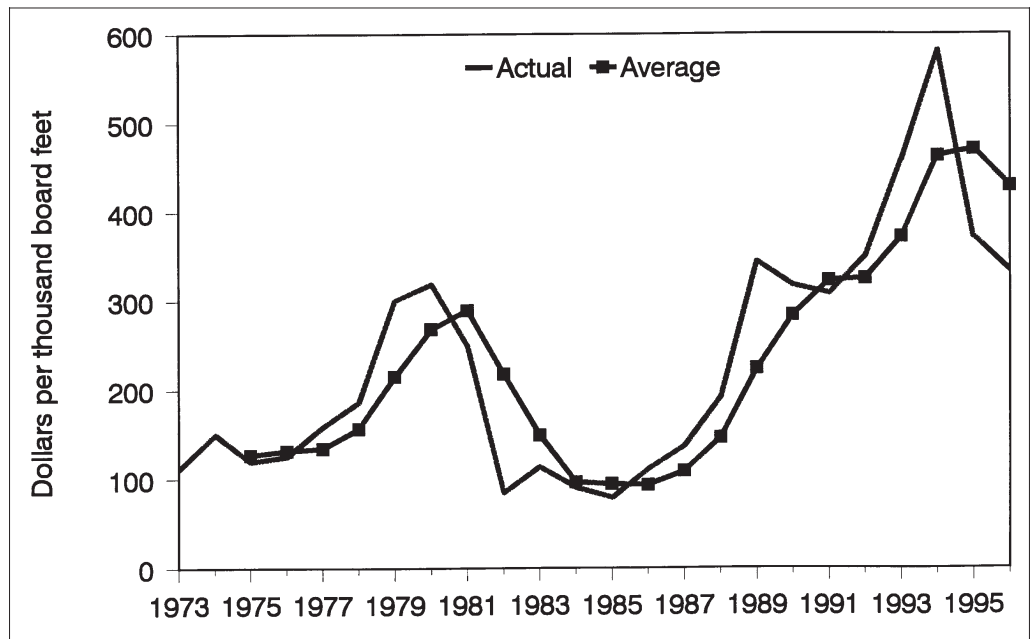


Figure 14—West-side actual prices and 3-year moving average stumpage prices.

## Monitoring

A key role of prices is as an indicator of market activity. There are several ways to use prices to monitor market activity. The most obvious is to use prices in their reported form as an indicator; for example, harvest prices in 1996 were \$214 per thousand board feet, 57 percent higher than they were in 1979. Two other ways that prices are used for monitoring: first, as a measure relative to some underlying trend, and second, as an indicator of changes in turning points in market activities. In the first case, comparisons are often made of the current price to some underlying trend such as a moving average of prices; for example, figure 14 shows the annual sold prices for western Oregon and a 3-year moving average. For the period 1995-96, annual prices are 27 percent higher than the moving average for the same period. Although not common in discussions of stumpage markets, the second case is to use prices to indicate changes in market direction—is it up, down, or unchanged. Two ways of doing this are to use either “first differences” (the difference between two adjacent data points) or a diffusion index (computed as a series of - for downward changes, 0 for no change, and + for a positive change). Examples of both approaches for western Oregon sold prices are shown as follows:

<u>Year</u>	<u>Diffusion index</u>	<u>First differences</u>
1988	+	\$35
1989	+	42
1990	+	47
1991	+	14
1992	+	50
1993	+	78
1994	+	16
1995	-	-25
1996	+	28

This type of information is used in discussing the effects of business cycles or in short-term forecasting models. These two examples suggest that prices increased in western Oregon during the early 1990s until a downturn in 1995. Looking at first differences leads to a richer interpretation, in that the 1991 recession is apparent and also that the 1995 downturn started a year earlier in 1994.

In terms of monitoring, one other notable use of prices is as an indicator of competition. The Forest Service and other agencies have used prices to monitor timber sale activities. The purpose is to identify possible areas of concern about the extent and nature of competition. These areas were identified when explainable differences could not account for lower prices or patterns of bidding.

## Recent Sales

There is a concern that changes in recent timber sales require greater caution about interpreting the results of recent sales. As shown in the various tables, the volume of timber offered for sale by the National Forests dropped between 1990 and 1996 by 86 percent for the west side and 73 percent for the east side. At first these drops were not thought to impact stumpage prices, but in the last several years the reliance

of the Forest Service on salvage sales<sup>11</sup> to make up timber volumes has reduced potential stumpage prices. The extent of this reduction can be illustrated by data from western Washington for both Forest Service and Washington Department of Natural Resources (DNR) sales (Warren 1997). Both agencies sold about the same volumes in 1993 to 1996, but the Washington DNR stumpage prices were 94 percent higher.

## Conclusions

Neither sold nor cut prices for National Forest timber sales can satisfy all users of that information. Although the cut price is the better of the two for measuring the value of timber at a given location and time, it is not necessarily the best measure of the actual return to the U.S. Treasury for timber harvested from a specific tract. This latter need is important to those individuals and groups interested in calculating timber receipts. For these users, the worth of a sale or timber program depends on the receipts net of program costs such as sale-better (KV funds), the noncash purchaser credit, and other miscellaneous funds.

Differences occur in seasonal patterns between the two measures of stumpage prices. These differences suggest that users need to be careful when making intrayear comparisons, especially with the cut prices. Users of stumpage prices also need to recognize the volatility in the prices. These seemingly random components of change pose the greatest challenge in assessing the worth of a measure of stumpage prices.

There is the need for caution about how “good” or representative prices are for an individual National Forest. For example, recall the variation in price data shown in figures 12 and 13; we lack a definitive way to say whether a price series is “good” or not. The reduction in the timber volumes offered since 1990 and the greater variability in the types of timber being offered has led to greater price variability and a sense that these price series are not as robust as they were once.

## Acknowledgment

Brenda Hunt and Judy Mikowski assisted in data compilation and the final preparation of the tables.

## Literature Cited

- Adams, Darius M; Haynes, Richard W. 1991.** National Forest timber supply and stumpage markets in the Western United States. Res. Pap. PNW-RP-435. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 55 p.
- Bressler, Raymond G; King, Richard A. 1970.** Markets, prices, and interregional trade. New York: John Wiley and Sons. 426 p.
- Forest Ecosystem Management Assessment Team [FEMAT]. 1993.** Forest ecosystem management: an ecological, economic, and social assessment. Portland, OR: U.S. Department of Agriculture; U.S. Department of the Interior [and others]. [Irregular pagination].
- Haynes, Richard W. 1980.** Competition for National Forest timber in the Northern, Pacific Southwest, and Pacific Northwest Regions. Res. Pap. PNW-266. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. 72 p.
- Haynes, Richard W. 1991.** Monthly stumpage prices for the Pacific Northwest. Res. Pap. PNW-RP-436. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 14 p.

---

<sup>11</sup> These salvage sales include a wide range of species and sizes as well as both green and dead timber.

- Haynes, Richard W., Graham, Russell T.; Quigley, Thomas M., tech. eds. 1996.** A framework for ecosystem management in the interior Columbia basin including portions of the Klamath and Great Basins. Gen. Tech. Rep. PNW-GTR-374. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 66 p.
- Haynes, Richard W; Warren, Debra D. 1989.** Volume and average prices of stumpage harvested from the National Forests of the Pacific Northwest Region, 1974 to 1987. Res. Note PNW-488. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 19 p.
- Ruderman, Florence K.; Haynes, Richard W. 1986.** Volume and average stumpage price of selected species on National Forests of the Pacific Northwest Region, 1973 to 1984. Res. Note PNW-446. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 37 p.
- Sohngen, Brent L.; Haynes, Richard W. 1994.** The "great" price spike of '93: an analysis of lumber and stumpage prices in the Pacific Northwest. Res. Pap. PNW-RP-476. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 20 p.
- U.S. Department of Agriculture, Forest Service. 1973-96.** Timber cut and sold convertible products report FS-1380. Portland, OR: Region 6 [Pacific Northwest Region]. Quarterly.
- Warren, Debra D. 1997.** Production, prices, employment, and trade in Northwest forest industries, third quarter 1996. Resour. Bull. PNW-RB-223. OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 130 p.

## Appendix

**Table 1--Volume and average stumpage (sold) price of selected species, Mount Hood National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	76,950	121.99	8,360	115.85	490	56.16	29,690	39.99	7,410	38.69	154,774	83.28
2d	36,810	128.84	0	--	0	--	20,410	28.48	3,090	22.44	81,895	73.32
3d	42,162	129.23	9,260	61.02	2,970	53.83	23,300	35.55	2,710	40.31	99,216	78.21
4th	8,300	214.99	7,500	68.73	0	--	7,600	60.09	3,000	32.96	31,321	92.28
Total and average	164,222	130.08	25,120	81.57	3,460	54.16	81,000	37.70	16,210	34.80	367,206	80.46
1986												
1st	32,675	184.96	3,900	76.67	300	19.43	22,275	104.72	5,520	35.70	80,922	111.31
2d	80,280	178.60	5,360	67.38	1,805	71.53	48,176	94.32	6,230	14.97	164,420	119.98
3d	45,036	148.65	27,410	103.99	7,030	184.89	18,033	131.20	4,350	19.05	123,594	109.07
4th	39,180	166.53	180	14.25	0	--	18,500	58.50	540	39.00	67,340	114.08
Total and average	197,171	170.42	36,850	95.34	9,135	157.06	106,984	96.51	16,640	23.69	436,276	114.38
1987												
1st	64,630	182.25	6,900	37.84	1,500	260.25	20,500	84.43	5,900	87.57	128,530	124.91
2d	29,675	166.93	6,560	101.13	3,020	211.90	10,775	71.02	2,490	68.44	70,220	111.86
3d	30,260	183.70	3,200	127.38	1,600	294.69	17,470	170.97	3,225	80.89	65,195	159.69
4th	21,600	122.13	0	--	0	--	16,000	269.41	0	--	42,700	163.61
Total and average	146,165	170.55	16,660	79.96	6,120	245.39	64,745	151.26	11,615	81.61	306,645	134.70
1988												
1st	49,176	256.80	9,450	88.92	1,530	225.09	13,260	100.85	5,120	47.49	105,126	176.64
2d	62,020	289.39	3,200	34.24	600	44.24	25,530	192.95	6,510	115.04	128,290	191.68
3d	39,040	259.54	2,800	46.79	500	94.87	21,840	168.26	5,639	43.11	80,664	178.02
4th	17,680	316.10	770	69.96	0	--	11,050	242.33	2,510	96.89	39,780	225.02
Total and average	167,916	275.72	16,220	69.96	2,630	159.07	71,680	176.00	19,779	74.74	353,860	187.85
1989												
1st	28,700	382.81	20,800	350.98	570	115.47	19,920	151.18	170	16.43	93,760	247.90
2d	1,850	177.91	0	--	0	--	850	108.57	1,450	76.47	4,581	118.95
3d	1,490	578.86	30	277.60	0	--	35	205.71	0	--	2,185	415.38
4th	36,410	364.86	15,940	322.98	1,500	186.99	25,620	507.91	2,820	123.82	108,782	392.89
Total and average	68,450	371.99	36,770	338.78	2,070	167.30	46,425	347.31	4,440	104.24	209,308	322.18
1990												
1st	8,660	924.03	0	--	0	--	3,260	50.93	1,310	265.73	17,160	499.35
2d	41,045	467.24	2,920	74.83	0	--	15,210	266.14	6,500	214.73	77,175	343.49
3d	114,525	347.40	15,755	281.46	595	45.96	46,640	140.23	9,225	111.96	220,502	244.55
4th	3,370	240.31	300	113.00	160	334.75	2,300	197.67	230	47.00	6,960	195.97
Total and average	167,600	404.39	18,975	246.99	755	107.16	67,410	166.28	17,265	161.46	321,797	280.82
1991												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	118	526.50	0	--	0	--	0	--	2,400	122.00	2,603	151.58
3d	19,284	476.70	1,710	229.46	0	--	9,361	225.03	5,702	173.11	40,217	362.82
4th	290	518.26	63	229.70	0	--	0	--	850	180.33	1,223	260.59
Total and average	19,692	477.62	1,773	229.47	0	--	9,361	225.03	8,952	160.09	44,043	347.50
1992												
1st	1,995	706.17	0	--	0	--	900	298.16	0	--	2,995	569.34
2d	1,825	710.94	265	252.00	0	--	1,575	194.97	0	--	4,297	389.66
3d	5,022	773.85	3,851	262.87	724	169.56	3,795	490.23	272	61.50	17,341	443.57
4th	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

**Table 1--Volume and average stumpage (sold) price of selected species, Mount Hood National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	4,350	645.80	0	--	0	--	0	--	184	237.84	4,608	626.23
2d	2,730	814.28	26	217.60	0	--	870	503.94	0	--	3,928	684.18
3d	19,017	404.89	2,919	414.55	0	--	815	298.21	1,815	339.89	25,198	389.46
4th	2,915	580.33	0	--	0	--	1,167	389.66	0	--	5,115	453.27
Total and average	29,012	497.16	2,945	412.81	0	-	2,852	398.39	1,999	330.49	38,849	455.74
1994												
1st	10,263	463.94	1,082	612.22	0	--	1,000	297.94	891	389.69	14,464	439.43
2d	0	--	0	--	0	--	0	--	0	--	55	260.00
3d	514	640.49	0	--	0	--	0	--	0	--	6,754	461.22
4th	1,009	445.09	0	--	0	--	0	--	0	--	1,009	473.00
Total and average	11,786	470.03	1,082	612.22	0	--	1,000	297.94	891	389.69	22,282	447.12
1995												
1st	3,300	352.56	0	--	0	--	4,200	303.45	0	--	7,662	322.84
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	1,100	158.22	3,397	88.49	0	--	2,602	32.71	1,050	239.22	8,249	209.55
4th	12,818	338.99	2,507	271.36	0	--	0	--	3,294	457.65	20,040	380.86
Total and average	17,218	330.04	5,904	166.14	0	--	6,802	199.88	4,344	404.85	35,951	329.18
1996												
1st	425	302.94	2,734	25.97	0	--	0	--	60	340.18	3,219	68.4
2d	1,123	288.94	0	--	0	--	150	38.90	109	94.80	1,382	247.39
3d	14,504	274.56	0	--	0	--	4,323	151.76	0	--	18,827	369.37
4th	34,032	342.77	13,466	82.47	995	40.18	10,423	148.27	24,776	71.43	87,886	202.19
Total and average	50,084	321.47	16,200	72.93	995	40.18	14,896	148.18	24,945	72.18	111,314	227.16

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 2--Volume and average stumpage (sold) price of selected species, Rogue River National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	20,270	141.03	0	--	460	62.34	0	--	12,660	69.25	48,675	105.77
2d	12,624	121.58	0	--	3,314	163.05	0	--	16,298	83.94	52,196	89.25
3d	25,685	78.82	0	--	565	82.06	0	--	15,020	39.35	52,630	60.82
4th	15,400	135.06	0	--	2,450	279.03	0	--	8,060	40.51	29,050	130.90
Total and average	73,979	114.87	0	--	6,789	191.34	0	--	52,038	60.77	182,551	92.09
1986												
1st	12,080	155.43	0	--	1,150	132.84	0	--	7,080	21.86	21,685	109.81
2d	36,420	135.84	0	--	4,010	186.24	0	--	24,580	58.49	74,340	101.39
3d	25,230	142.09	0	--	2,570	60.64	0	--	17,890	53.09	60,430	108.32
4th	25,730	144.37	0	--	0	--	0	--	12,560	75.47	54,580	121.42
Total and average	99,460	142.02	0	--	7,730	136.54	0	--	62,110	56.18	211,035	109.43
1987												
1st	24,149	154.25	0	--	850	132.13	0	--	11,638	134.70	58,287	140.98
2d	29,910	158.82	0	--	860	171.43	0	--	8,780	60.36	50,470	150.54
3d	21,410	163.90	0	--	18	170.05	10	50.03	9,690	68.56	42,458	129.82
4th	17,874	161.76	0	--	1,490	312.57	290	66.03	8,324	63.47	46,558	124.04
Total and average	93,343	159.37	0	--	3,218	226.39	300	65.50	38,432	85.61	197,773	137.04
1988												
1st	27,740	239.45	0	--	30	272.63	0	--	12,180	77.98	49,410	191.46
2d	22,085	211.47	0	--	690	167.67	0	--	11,790	87.60	38,755	173.41
3d	32,400	218.64	0	--	2,725	220.51	0	--	11,055	58.75	54,115	196.01
4th	19,090	243.24	0	--	650	192.24	0	--	9,850	144.35	33,340	205.75
Total and average	101,315	227.41	0	--	4,095	207.50	0	--	44,875	90.34	175,620	191.59
1989												
1st	11,150	309.08	0	--	890	236.09	0	--	5,450	192.32	28,410	255.32
2d	6,120	489.40	0	--	0	--	160	83.30	1,030	151.23	10,010	403.86
3d	120	254.51	0	--	0	--	0	--	150	260.00	530	154.85
4th	29,463	453.01	0	--	4,070	284.35	0	--	19,051	343.80	65,439	382.80
Total and average	46,853	423.00	0	--	4,960	275.69	160	83.30	25,681	303.44	104,389	336.43
1990												
1st	2,570	465.63	0	--	0	--	0	--	960	566.92	4,450	416.27
2d	10,480	578.84	0	--	2,130	559.77	0	--	4,169	248.59	24,405	422.60
3d	39,510	343.03	0	--	6,065	144.57	0	--	28,050	223.79	114,750	279.00
4th	350	149.98	0	--	1,020	138.00	0	--	180	41.60	1,550	129.51
Total and average	52,910	394.41	0	--	9,215	239.82	0	--	33,359	235.78	145,155	305.76
1991												
1st	0	--	0	--	0	--	0	--	0	--	325	73.60
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	110	173.03	0	--	0	--	0	--	50	162.56	320	214.80
4th	40	216.04	0	--	0	--	0	--	0	--	40	216.04
Total and average	150	184.50	0	--	0	--	0	--	50	162.56	685	147.88
1992												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	0	--	18	155.35	0	--	0	--	18	155.35
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	0	--	0	--	18	155.35	0	--	0	--	18	155.35



**Table 2--Volume and average stumpage (sold) price of selected species, Rogue River National Forest, Pacific Northwest Region, <sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	Douglas- fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1993												
1st	35	743.49	0	--	0	--	0	--	0	--	410	308.61
2d	1,593	934.05	0	--	0	--	0	--	852	543.68	2,890	724.27
3d	2,095	817.46	0	--	200	335.88	0	--	1,120	492.37	4,625	557.91
4th	405	846.57	0	--	0	--	0	--	230	492.28	1,815	288.04
Total and average	4,128	864.68	0	--	200	335.88	0	--	2,202	505.63	9,740	546.49
1994												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	5,970	939.38	0	--	470	587.67	0	--	1,455	742.54	8,610	902.77
3d	150	1,027.93	0	--	0	--	0	--	60	1,094.67	240	970.38
4th	95	737.62	0	--	0	--	0	--	50	299.92	505	489.94
Total and average	6,215	938.44	0	--	470	587.67	0	--	1,565	741.89	9,355	882.22
1995												
1st	380	435.48	0	--	0	--	0	--	100	284.49	500	420.14
2d	1,045	571.86	0	--	150	697.26	0	--	780	453.83	3,680	487.96
3d	3,510	634.31	0	--	62	290.56	0	--	1,100	358.35	10,168	504.15
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	4,935	605.77	0	--	212	578.32	0	--	1,980	392.23	14,348	497.07
1996												
1st	3,546	613.11	0	--	333	745.58	0	--	873	281.65	5,755	492.46
2d	1,328	458.12	2,872	89.05	458	413.66	0	--	1,582	163.78	6,271	209.82
3d	5,335	68.11	0	--	1,642	44.32	0	--	158	144.72	7,157	109.98
4th	5,938	439.93	0	--	167	377.55	0	--	856	226.13	14,957	319.39
Total and average	16,147	356.61	2,872	89.05	2,600	220.60	0	--	3,469	207.96	34,140	285.54

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 3--Volume and average stumpage (sold) price of selected species, Siskiyou National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	49,076	103.13	0	--	40	50.75	2,280	13.44	390	26.84	63,906	99.60
2d	18,560	80.88	0	--	0	--	0	--	350	32.24	21,620	78.86
3d	61,100	58.77	0	--	0	--	530	12.83	1,420	21.21	78,230	58.53
4th	29,666	31.01	0	--	0	--	270	9.24	50	6.00	35,080	33.04
Total and average	158,402	69.91	0	--	40	50.75	3,080	12.96	2,210	23.61	198,836	69.44
1986												
1st	35,760	89.62	0	--	0	--	280	22.49	70	30.27	44,431	80.83
2d	40,890	81.31	0	--	250	56.23	1,800	8.54	140	22.46	53,690	147.09
3d	56,930	79.34	0	--	0	--	1,240	10.29	770	24.07	71,700	117.77
4th	56,310	137.31	0	--	0	--	1,210	9.50	1,380	30.78	71,740	130.36
Total and average	189,890	98.89	0	--	250	56.23	4,530	10.14	2,360	28.08	241,561	121.23
1987												
1st	54,960	166.56	0	--	0	--	2,900	16.65	1,470	50.61	69,047	159.28
2d	29,160	114.16	0	--	0	--	400	10.39	0	--	37,190	107.91
3d	29,040	135.50	0	--	1,130	25.58	210	40.13	4,670	18.52	44,280	160.66
4th	8,390	114.69	0	--	0	--	0	--	0	--	10,210	107.36
Total and average	121,550	142.99	0	--	1,130	25.58	3,510	17.34	6,140	26.20	160,727	144.47
1988												
1st	14,893	278.95	0	--	800	104.99	180	39.16	0	--	17,468	265.21
2d	42,900	289.28	0	--	3,340	36.40	240	14.52	0	--	53,270	252.61
3d	131,040	114.44	0	--	0	--	656	23.36	0	--	147,883	165.68
4th	18,690	239.48	0	--	0	--	10	87.60	1,150	38.73	23,620	197.43
Total and average	207,523	173.65	0	--	4,140	49.65	1,086	24.62	1,150	38.73	242,241	195.07
1989												
1st	2,450	373.15	0	--	0	--	0	--	0	--	2,860	579.58
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	1,260	25.96	0	--	0	--	0	--	10	82.00	1,270	26.40
4th	44,250	759.74	0	--	0	--	2,150	31.29	130	126.00	55,210	689.44
Total and average	47,960	720.72	0	--	0	--	2,150	31.29	140	122.86	59,340	669.96
1990												
1st	7,530	341.60	0	--	0	--	630	59.20	0	--	9,740	289.50
2d	10,772	458.24	0	--	0	--	780	47.79	0	--	14,041	496.27
3d	116,706	472.71	0	--	0	--	2,760	33.78	9,267	125.70	152,338	414.92
4th	53	321.11	0	--	0	--	0	--	0	--	153	121.37
Total and average	135,061	464.19	0	--	0	--	4,170	40.24	9,267	125.70	176,272	414.21
1991												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	0	--	0	--	0	--	0	--	170	25.10
4th	56	1,156.18	0	--	0	--	0	--	0	--	75	960.00
Total and average	56	1,156.18	0	--	0	--	0	--	0	--	245	311.29
1992												
1st	440	469.00	0	--	0	--	0	--	0	--	550	396.41
2d	0	--	0	--	0	--	0	--	0	--	70	52.60
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	440	469.00	0	--	0	--	0	--	0	--	620	357.59

**Table 3--Volume and average stumpage (sold) price of selected species, Siskiyou National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	59	715.25	0	--	0	--	0	--	0	--	59	715.25
3d	2,800	1,104.67	0	--	0	--	10	1,143.19	0	--	3,430	1,238.02
4th	1,420	483.44	0	--	0	--	0	--	0	--	1,570	474.73
Total and average	4,279	893.14	0	--	0	--	10	1,143.19	0	--	5,059	995.05
1994												
1st	1,845	631.37	0	--	140	431.01	0	--	1,310	468.95	3,726	507.79
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	80	780.07	0	--	0	--	0	--	0	--	80	780.07
4th	3,787	228.37	0	--	0	--	23	84.30	0	--	3,810	227.50
Total and average	5,712	366.27	0	--	140	431.01	23	84.30	1,310	468.95	7,616	370.43
1995												
1st	26	740.54	0	--	0	--	0	--	0	--	26	740.54
2d	540	613.04	0	--	0	--	0	--	0	--	690	754.18
3d	10,758	117.47	0	--	0	--	0	--	0	--	11,849	246.17
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	11,324	142.53	0	--	0	--	0	--	0	--	12,565	275.09
1996												
1st	52	700.10	0	--	0	--	0	--	0	--	52	700.10
2d	16,437	352.76	0	--	0	--	0	--	17	265.00	19,197	346.23
3d	5,845	390.95	0	--	0	--	258	10.00	0	--	6,716	402.86
4th	8,061	463.88	0	--	0	--	0	--	1,170	403.68	10,791	500.74
Total and average	30,395	388.24	0	--	0	--	258	10.00	1,187	401.69	36,756	402.44

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 4--Volume and average stumpage (sold) price of selected species, Siuslaw National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	68,228	126.70	0	--	0	--	10,470	88.13	0	--	90,839	116.01
2d	22,147	125.33	0	--	0	--	930	53.45	0	--	27,425	113.79
3d	54,112	106.81	0	--	0	--	9,800	68.11	0	--	70,053	96.71
4th	21,100	133.39	0	--	0	--	1,600	41.27	0	--	24,824	121.37
Total and average	165,587	120.87	0	--	0	--	22,800	74.83	0	--	213,141	110.01
1986												
1st	33,172	144.74	0	--	0	--	460	68.15	0	--	35,388	138.83
2d	69,692	161.80	0	--	0	--	11,520	64.76	0	--	90,987	142.50
3d	134,550	127.06	0	--	0	--	9,630	65.16	0	--	149,451	120.19
4th	40,250	121.37	0	--	0	--	3,680	80.16	0	--	47,170	117.41
Total and average	277,664	137.07	0	--	0	--	25,290	67.21	0	--	322,996	128.12
1987												
1st	110,867	133.59	0	--	0	--	6,670	86.31	0	--	127,536	123.66
2d	111,797	171.80	0	--	0	--	9,650	105.86	0	--	130,524	159.88
3d	81,192	198.29	0	--	0	--	1,820	118.80	0	--	87,161	190.17
4th	20,740	217.04	0	--	0	--	550	130.02	0	--	23,883	197.17
Total and average	324,596	168.27	0	--	0	--	18,690	100.85	0	--	369,104	156.93
1988												
1st	76,935	263.39	0	--	0	--	4,543	113.04	0	--	89,927	235.18
2d	118,087	278.55	0	--	0	--	13,303	124.59	0	--	139,857	250.17
3d	74,058	255.67	0	--	0	--	7,890	115.73	0	--	87,104	230.76
4th	18,480	250.46	0	--	0	--	3,400	185.61	0	--	27,045	237.22
Total and average	287,560	266.80	0	--	0	--	29,136	127.51	0	--	343,933	240.32
1989												
1st	61,091	330.95	0	--	0	--	4,730	93.44	0	--	69,890	298.13
2d	21,218	361.61	0	--	0	--	3,706	110.73	0	--	27,049	304.30
3d	16,305	358.03	0	--	0	--	640	67.05	0	--	26,124	240.95
4th	56,968	504.82	0	--	0	--	1,610	110.67	0	--	59,698	485.32
Total and average	155,582	401.63	0	--	0	--	10,686	100.45	0	--	182,761	352.01
1990												
1st	66,867	433.85	0	--	0	--	1,830	257.98	0	--	76,866	390.86
2d	89,751	440.47	0	--	0	--	8,650	255.46	0	--	104,056	406.16
3d	227,708	358.78	0	--	0	--	3,210	124.52	0	--	238,208	346.41
4th	1,808	319.36	0	--	0	--	410	201.4	0	--	2,228	299.94
Total and average	386,134	390.58	0	--	0	--	14,100	224.41	0	--	421,358	369.03
1991												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	110	204.77	0	--	0	--	0	--	0	--	560	221.03
3d	4,390	394.94	0	--	0	--	0	--	0	--	4,390	394.94
4th	190	320.05	0	--	0	--	0	--	0	--	190	320.05
Total and average	4,690	387.45	0	--	0	--	0	--	0	--	5,140	373.23
1992												
1st	27	338.30	0	--	0	--	0	--	0	--	27	338.30
2d	0	--	0	--	0	--	200	66.30	0	--	200	66.30
3d	514	162.11	0	--	0	--	200	405.00	0	--	714	230.14
4th	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

**Table 4--Volume and average stumpage (sold) price of selected species, Siuslaw National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1993												
1st	790	496.05	0	--	0	--	0	--	0	--	790	496.05
2d	348	568.53	0	--	0	--	0	--	0	--	992	354.00
3d	1,327	315.17	0	--	0	--	96	75.59	0	--	3,185	281.60
4th	3,001	485.68	0	--	0	--	779	191.76	0	--	4,329	404.06
Total and average	5,466	451.06	0	--	0	--	875	179.01	0	--	9,296	364.58
1994												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	0	--	0	--	0	--	0	--	0	--	0	--
1995												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	8,000	162.30	0	--	0	--	0	--	0	--	8,290	347.74
4th	1,201	129.97	0	--	0	--	0	--	0	--	1,208	364.18
Total and average	9,201	158.08	0	--	0	--	0	--	0	--	9,498	349.83
1996												
1st	677	515.87	0	--	0	--	29	286.06	0	--	730	497.70
2d	168	226.94	0	--	0	--	0	--	0	--	168	227.51
3d	16,080	283.90	0	--	0	--	3,137	139.63	0	--	19,234	263.81
4th	984	218.25	0	--	0	--	563	98.10	0	--	1,547	174.13
Total and average	17,909	288.53	0	--	0	--	3,729	134.50	0	--	21,679	265.00

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 5--Volume and average stumpage (sold) price of selected species, Umpqua National Forest, Pacific Northwest Region, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	102,100	93.41	0	--	0	--	6,500	22.56	6,500	15.91	156,473	73.79
2d	72,680	70.40	0	--	0	--	2,000	42.49	3,300	15.87	111,400	63.77
3d	42,565	99.28	0	--	0	--	3,928	13.41	2,000	8.56	73,345	75.57
4th	29,880	110.89	0	--	500	174.40	600	13.02	970	21.94	39,863	103.26
Total and average	247,225	89.77	0	--	500	174.40	13,028	22.42	12,770	15.21	381,081	74.29
1986												
1st	89,790	147.35	0	--	0	--	7,120	15.64	3,500	11.60	136,445	111.95
2d	64,037	179.92	0	--	600	46.56	4,590	7.86	2,000	19.45	93,407	136.69
3d	75,360	129.57	0	--	100	99.95	9,500	11.47	2,510	20.89	110,600	98.75
4th	54,010	148.75	0	--	0	--	2,900	29.29	1,900	13.20	80,160	112.38
Total and average	283,197	150.25	0	--	700	54.19	24,110	14.16	9,910	15.84	420,612	114.06
1987												
1st	89,440	162.81	0	--	2,200	140.60	3,680	21.25	5,900	13.45	129,850	131.55
2d	73,830	156.87	0	--	700	208.29	1,700	35.03	8,300	67.76	121,455	113.67
3d	76,390	160.78	0	--	0	--	8,950	26.09	3,300	34.01	112,090	125.39
4th	75,670	198.50	0	--	0	--	4,700	63.97	9,300	27.64	114,520	161.38
Total and average	315,330	169.49	0	--	2,900	156.94	19,030	35.31	26,800	37.72	477,915	132.71
1988												
1st	87,140	195.43	0	--	900	238.96	1,800	40.37	8,000	43.42	120,240	161.02
2d	72,780	189.98	0	--	2,900	148.45	4,200	67.97	13,350	138.02	113,330	156.79
3d	39,117	183.71	0	--	130	240.81	1,900	101.38	1,000	10.00	48,871	160.59
4th	79,625	253.55	0	--	0	--	7,430	63.73	2,750	39.67	122,679	196.28
Total and average	278,662	208.97	0	--	3,930	172.23	15,240	66.83	25,100	91.99	405,120	170.46
1989												
1st	89,880	319.64	0	--	0	--	8,400	10.60	2,800	37.56	130,131	256.77
2d	13,980	350.63	0	--	0	--	0	--	0	--	17,495	304.46
3d	2,170	288.73	0	--	0	--	0	--	0	--	3,523	259.19
4th	86,750	575.22	0	--	1,600	126.84	10,650	68.26	600	27.98	131,170	417.13
Total and average	192,780	436.55	0	--	1,600	126.84	19,050	42.83	3,400	35.87	282,319	334.27
1990												
1st	28,299	568.39	0	--	0	--	2,800	82.54	2,100	128.46	44,550	409.88
2d	57,767	527.89	0	--	1,400	207.62	1,600	37.82	3,100	77.50	80,184	422.95
3d	168,961	429.85	0	--	2,400	295.86	11,980	50.45	4,920	57.19	247,331	377.54
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	255,027	467.43	0	--	3,800	263.35	16,380	54.70	10,120	78.20	372,065	364.61
1991												
1st	1,540	422.24	0	--	300	192.55	0	--	0	--	2,608	316.82
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	1,023	351.70	0	--	0	--	300	296.48	1	27.01	2,584	193.54
4th	5,609	500.11	0	--	290	259.53	0	--	0	--	6,784	459.80
Total and average	8,172	466.86	0	--	590	225.47	300	296.48	1	27.01	11,976	371.22
1992												
1st	1,700	557.99	0	--	0	--	150	295.53	0	--	2,250	463.38
2d	171	200.79	0	--	0	--	0	--	0	--	191	188.53
3d	1,504	560.46	0	--	0	--	0	--	0	--	1,737	509.97
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	3,375	540.99	0	--	0	--	150	295.53	0	--	4,178	470.19

**Table 5--Volume and average stumpage (sold) price of selected species, Umpqua National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1993												
1st	69	669.89	0	--	0	--	0	--	0	--	69	669.89
2d	632	859.64	0	--	0	--	0	--	0	--	797	715.53
3d	2,349	439.17	0	--	0	--	0	--	0	--	2,377	436.38
4th	294	138.96	0	--	0	--	0	--	0	--	379	198.92
Total and average	3,344	497.00	0	--	0	--	0	--	0	--	3,622	477.40
1994												
1st	455	800.75	0	--	0	--	0	--	0	--	594	653.84
2d	5,484	1,128.37	0	--	0	--	2,000	672.89	0	--	9,531	849.87
3d	7,006	968.00	0	--	0	--	610	473.92	0	--	8,460	863.66
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	12,945	1,030.06	0	--	0	--	2,610	626.39	0	--	18,585	849.89
1995												
1s	22	707.91	0	--	0	--	0	--	0	--	22	707.91
2d	20	164.20	0	--	0	--	0	--	0	--	20	164.20
3d	22,637	286.79	0	--	0	--	1,468	202.52	3,522	157.61	34,673	469.55
4th	3,987	229.93	0	--	0	--	0	--	0	--	4,182	534.41
Total and average	26,666	278.55	0	--	0	--	1,468	202.52	3,522	157.61	38,897	476.50
1996												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	809	441.41	0	--	0	--	0	--	74	154.28	979	416.52
3d	16,819	466.82	0	--	0	--	2,529	435.10	1,666	123.42	21,179	498.16
4th	36,401	480.56	0	--	0	--	3,262	482.34	2,259	325.60	42,926	492.90
Total and average	54,029	475.70	0	--	0	--	5,791	461.71	3,999	238.20	65,084	493.46

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 6--Volume and average stumpage (sold) price of selected species, Willamette National Forest, Pacific Northwest Region, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	136,984	108.95	0	--	0	--	19,560	19.50	3,000	32.63	208,938	86.74
2d	63,609	105.07	0	--	900	90.79	7,700	24.62	2,960	21.59	97,046	79.87
3d	203,130	127.57	0	--	0	--	40,580	18.83	6,180	15.32	344,021	86.16
4th	37,700	138.82	0	--	0	--	9,750	21.70	785	27.35	59,060	99.53
Total and average	441,423	119.51	0	--	900	90.79	77,590	19.94	12,925	21.51	709,065	86.59
1986												
1st	157,367	131.52	0	--	0	--	25,033	21.30	50	90.88	248,528	92.81
2d	107,968	191.55	0	--	329	126.88	18,330	12.58	1,000	6.00	160,689	138.96
3d	240,670	183.89	0	--	0	--	44,065	17.13	3,100	13.90	363,673	129.68
4th	86,450	184.03	0	--	0	--	15,700	43.23	2,300	12.46	133,550	137.82
Total and average	592,455	171.40	0	--	329	126.88	103,128	21.31	6,450	11.83	906,440	122.42
1987												
1st	149,662	200.99	0	--	400	329.90	23,360	41.49	3,840	14.62	251,271	145.24
2d	174,585	193.30	0	--	0	--	21,850	85.86	720	61.28	262,292	145.01
3d	115,118	189.59	0	--	300	235.01	19,810	59.17	5,200	55.67	197,520	127.76
4th	81,410	262.32	0	--	0	--	12,010	92.15	3,000	69.62	118,015	200.16
Total and average	520,775	205.48	0	--	700	289.23	77,030	66.52	12,760	46.91	829,098	148.82
1988												
1st	107,921	243.18	0	--	0	--	21,240	129.98	1,300	66.45	173,731	183.24
2d	200,065	277.89	0	--	600	274.16	23,865	64.91	7,000	39.74	318,350	199.28
3d	136,698	264.00	0	--	100	300.12	17,590	54.61	472	60.40	188,905	204.28
4th	40,900	308.82	0	--	0	--	7,800	173.85	0	--	65,830	272.88
Total and average	485,584	268.87	0	--	700	277.87	70,495	94.00	8,772	44.81	746,816	203.30
1989												
1st	61,575	384.99	0	--	0	--	8,750	160.96	2,400	40.55	102,865	263.84
2d	13,344	299.55	0	--	0	--	780	244.33	1,800	13.33	16,929	250.71
3d	109,030	461.59	0	--	0	--	10,140	69.31	0	--	153,560	349.86
4th	167,348	606.11	0	--	0	--	21,200	98.26	3,500	49.56	252,880	439.07
Total and average	351,297	510.85	0	--	0	--	40,870	107.29	7,700	38.28	526,234	372.72
1990												
1st	23,801	479.81	0	--	0	--	1,107	144.81	0	--	28,348	421.29
2d	56,713	593.68	0	--	0	--	12,850	97.57	1,100	112.45	85,780	433.94
3d	402,570	427.51	0	--	400	319.52	62,160	150.96	11,055	247.13	603,745	326.69
4th	5	320.28	0	--	0	--	0	--	0	--	45	156.42
Total and average	483,089	449.60	0	--	400	319.52	76,117	141.86	12,155	234.94	717,918	343.23
1991												
1st	102	327.31	0	--	0	--	0	--	0	--	110	309.15
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	49,750	567.16	0	--	0	--	15,550	43.70	250	36.35	87,640	347.21
4th	1,110	156.50	0	--	0	--	170	2.00	0	--	1,280	135.98
Total and average	50,962	557.74	0	--	0	--	15,720	43.25	250	36.35	89,030	344.13
1992												
1st	7,929	610.09	0	--	0	--	280	80.16	70	205.42	11,286	475.68
2d	1,479	597.33	0	--	0	--	40	30.22	0	--	2,638	389.47
3d	4,920	600.33	0	--	0	--	620	71.35	200	218.18	7,390	425.98
4th	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



**Table 6--Volume and average stumpage (sold) price of selected species, Willamette National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1993												
1st	1,438	955.56	0	--	0	--	80	234.10	15	843.48	2,213	659.33
2d	865	846.20	0	--	0	--	125	80.43	550	331.00	2,100	468.69
3d	3,521	653.96	0	--	0	--	380	298.53	0	--	5,007	506.09
4th	11,291	424.56	0	--	0	--	192	68.63	480	166.00	12,871	402.11
Total and average	17,115	537.68	0	--	0	--	777	200.00	1,045	262.57	22,191	457.54
1994												
1st	7,385	554.82	0	--	0	--	265	69.83	0	--	8,081	513.04
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	452	490.55	0	--	0	--	0	--	0	--	461	481.01
4th	1,949	371.83	0	--	0	--	0	--	0	--	3,211	262.71
Total and average	9,786	515.41	0	--	0	--	265	69.83	0	--	11,753	443.39
1995												
1st	13	399.08	0	--	0	--	0	--	0	--	13	399.08
2d	3,785	569.41	0	--	0	--	0	--	0	--	4,945	452.87
3d	23,914	252.95	0	--	0	--	0	--	1,846	173.27	26,635	411.39
4th	20,697	280.61	0	--	0	--	5,090	77.55	35	430.91	27,247	279.82
Total and average	48,409	289.56	0	--	0	--	5,090	77.55	1,881	178.06	58,840	353.95
1996												
1st	1,151	74.36	0	--	0	--	0	--	4,284	18.44	6,908	27.56
2d	5,281	248.98	0	--	0	--	153	91.11	35	228.89	5,470	274.51
3d	30,847	353.52	0	--	0	--	779	230.25	2,427	110.25	37,272	326.40
4th	21,643	417.69	0	--	0	--	2,273	210.07	1,145	120.23	25,716	435.74
Total and average	58,922	362.27	0	--	0	--	3,205	209.29	7,891	62.38	75,366	332.55

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 7--Volume and average stumpage (sold) price of selected species, National Forests of western Oregon, 1985-96<sup>a</sup>**

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

Year and quarter	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
1985												
1st	453,608	111.14	8,360	115.85	990	58.81	68,500	38.96	29,960	45.90	723,605	89.29
2d	226,430	98.72	0	--	4,214	147.61	31,040	29.17	25,998	60.20	391,582	77.49
3d	428,754	109.58	9,260	61.02	3,535	58.34	78,138	29.68	27,330	30.82	717,495	80.14
4th	142,046	113.66	7,500	68.73	2,950	261.30	19,820	37.57	12,865	36.41	219,198	95.16
Total and average	1,250,838	108.64	25,120	81.57	11,689	141.79	197,498	33.61	96,153	44.21	2,051,880	84.47
1986												
1st	360,844	138.16	3,900	76.67	1,450	109.37	55,168	54.65	16,220	24.60	567,399	102.64
2d	399,287	165.52	5,360	67.38	6,994	137.21	84,416	66.01	33,950	46.51	637,533	130.55
3d	577,776	148.70	27,410	103.99	9,700	151.10	82,468	46.93	28,620	40.05	879,448	118.85
4th	301,930	155.00	180	14.25	0	--	41,990	51.26	18,680	57.03	454,540	124.55
Total and average	1,639,837	151.64	36,850	95.41	18,144	142.41	264,042	55.33	97,470	42.92	2,538,920	119.18
1987												
1st	493,708	170.37	6,900	37.84	4,950	190.70	57,110	59.57	28,748	79.80	764,521	136.84
2d	448,957	172.78	6,560	101.13	4,580	203.75	44,375	83.98	20,290	64.41	672,151	137.14
3d	353,410	178.86	3,200	127.38	3,048	188.31	48,270	95.66	26,085	54.18	548,704	143.80
4th	225,684	209.89	0	--	1,490	312.57	33,550	193.13	20,624	48.21	355,886	170.48
Total and average	1,521,759	178.91	16,660	79.96	14,068	207.34	183,305	95.77	95,747	62.71	2,341,262	143.67
1988												
1st	363,805	239.04	9,450	88.92	3,260	199.88	41,023	114.36	26,600	61.15	555,902	188.89
2d	517,937	265.18	3,200	34.24	8,130	105.63	67,138	125.44	38,650	100.97	791,852	203.28
3d	452,353	208.74	2,800	46.79	3,455	205.39	49,876	115.42	18,166	51.26	607,542	190.94
4th	194,465	268.20	770	69.96	650	192.24	29,600	173.43	16,260	111.85	312,294	220.73
Total and average	1,528,560	242.64	16,220	69.96	15,495	151.34	187,637	127.92	99,676	83.06	2,267,590	198.85
1989												
1st	254,846	345.31	20,800	350.98	1,460	189.00	41,800	118.45	10,820	115.84	427,916	265.34
2d	56,512	352.06	0	--	0	--	5,496	128.55	4,280	67.91	76,064	294.35
3d	130,375	442.70	30	277.60	0	--	10,815	69.62	160	248.88	187,192	330.97
4th	421,189	570.62	15,940	322.98	7,170	228.84	61,230	262.42	26,101	272.23	673,179	444.55
Total and average	862,922	470.44	36,770	338.78	8,630	222.10	119,341	188.36	41,361	210.09	1,364,351	364.39
1990												
1st	137,727	495.81	0	--	0	--	9,627	110.82	4,370	265.93	181,114	405.75
2d	266,528	502.30	2,920	74.83	3,530	420.11	39,090	194.66	14,869	188.05	385,641	407.61
3d	1,069,980	406.49	15,755	281.46	9,460	184.15	126,750	134.29	62,517	183.76	1,576,874	324.94
4th	5,586	261.08	300	113.00	1,180	164.68	2,710	198.24	410	44.63	10,936	206.53
Total and average	1,479,821	431.51	18,975	246.99	14,170	241.31	178,177	147.24	82,166	188.22	2,154,565	345.93
1991												
1st	1,642	416.34	0	--	300	192.55	0	--	0	--	3,043	290.57
2d	228	371.28	0	--	0	--	0	--	2,400	122.00	3,163	163.87
3d	74,557	530.09	1,710	229.46	0	--	25,211	114.04	6,003	167.30	135,321	349.75
4th	7,295	447.34	63	229.70	290	259.53	170	2.00	850	180.33	9,592	391.32
Total and average	83,722	520.21	1,773	229.47	590	225.47	25,381	113.28	9,253	156.75	151,119	347.30
1992												
1st	12,091	612.87	0	--	0	--	1,330	251.97	70	205.42	17,108	487.69
2d	3,475	637.48	265	252.00	0	--	1,815	177.16	0	--	7,396	372.47
3d	11,960	649.35	3,851	262.87	742	169.22	4,615	430.26	472	127.89	27,200	437.24
4th	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	742	169.22	9,220	332.32	542	137.90	62,914	429.47

**Table 7--Volume and average stumpage (sold) price of selected species, National Forests of western Oregon, 1985-96<sup>a</sup> (continued)**

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

Year and quarter	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
1993												
1st	6,682	695.51	0	--	0	--	80	234.10	199	283.49	8,090	606.85
2d	6,227	839.28	26	217.60	0	--	995	450.74	1,402	460.25	10,766	625.02
3d	31,109	522.61	2,919	414.55	200	335.88	1,301	288.37	2,935	398.07	43,822	481.69
4th	19,326	466.37	0	--	0	--	2,138	288.72	710	251.29	26,079	405.95
Total and average	63,344	554.82	2,945	412.81	200	335.88	4,514	323.36	5,246	390.48	88,757	488.23
1994												
1st	19,948	520.76	1,082	612.22	140	431.01	1,265	250.16	2,201	436.86	26,865	475.80
2d	11,454	1,029.87	0	--	470	587.67	2,000	672.89	1,455	742.54	18,196	873.12
3d	8,202	920.43	0	--	0	--	610	473.92	60	1,094.67	15,995	683.88
4th	6,840	308.29	0	--	0	--	23	84.30	50	299.92	8,535	285.30
Total and average	46,444	685.60	1,082	612.22	610	551.72	3,898	501.09	3,766	563.62	69,591	604.15
1995												
1st	3,741	365.93	0	--	0	--	4,200	303.45	100	284.49	8,223	331.23
2d	5,390	572.75	0	--	150	697.26	0	--	780	453.83	9,335	488.36
3d	69,919	250.34	3,397	88.49	62	290.56	4,070	93.96	7,518	202.23	99,864	399.47
4th	38,703	290.05	2,507	271.36	0	--	5,090	77.55	3,329	457.37	52,677	340.40
Total and average	117,753	281.82	5,904	166.14	212	578.32	13,360	153.37	11,727	292.09	170,099	382.76
1996												
1st	5,851	474.12	2,734	25.97	333	745.58	29	286.06	5,217	66.19	16,664	218.70
2d	25,146	335.69	2,872	89.05	458	413.66	303	65.56	1,817	161.45	33,467	306.32
3d	89,430	334.27	0	--	1,642	44.32	11,026	215.53	4,251	116.69	110,385	346.40
4th	107,059	418.13	13,466	82.47	1,162	88.67	16,521	221.02	30,206	109.54	183,823	329.58
Total and average	227,486	377.49	19,072	75.36	3,595	170.67	27,879	217.22	41,491	107.10	344,339	327.34

<sup>a</sup> Prices for individual sales may differ 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>b</sup> Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture, **Forest Service, 1985-96.**

**Table 8--Volume and average stumpage (sold) price of selected species, Gifford Pinchot National Forest, Pacific Northwest Region, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	33,380	91.20	0	--	0	--	39,370	59.48	9,050	23.60	92,410	64.96
2d	48,680	139.02	0	--	0	--	33,800	73.58	11,140	82.53	110,515	94.82
3d	25,370	102.00	0	--	400	135.03	4,030	17.10	12,060	61.17	44,625	77.89
4th	32,755	155.56	0	--	0	--	4,070	94.87	19,260	40.83	64,345	99.63
Total and average	140,185	124.80	0	--	400	135.03	81,270	65.01	51,510	51.58	311,895	84.54
1986												
1st	10,750	204.31	0	--	0	--	8,200	109.74	7,300	145.92	32,050	135.48
2d	68,900	128.52	0	--	0	--	25,305	94.99	17,360	125.10	134,315	105.22
3d	84,378	141.83	0	--	0	--	39,950	137.03	10,126	89.65	157,593	118.47
4th	72,495	152.22	0	--	0	--	13,500	96.40	9,530	24.37	118,130	115.10
Total and average	236,523	143.98	0	--	0	--	86,955	115.92	44,316	98.77	442,088	114.78
1987												
1st	29,295	109.32	0	--	0	--	7,040	100.16	7,660	116.02	52,475	93.63
2d	104,930	141.62	0	--	0	--	27,950	91.79	20,725	78.83	185,395	107.82
3d	46,210	182.30	0	--	0	--	13,410	77.12	13,390	138.66	92,980	145.21
4th	29,339	195.19	0	--	0	--	6,200	82.69	4,831	135.71	46,755	152.90
Total and average	209,774	153.56	0	--	0	--	54,600	88.23	46,606	108.03	377,605	120.64
1988												
1st	41,110	204.07	0	--	0	--	7,180	197.73	14,700	204.45	81,040	167.00
2d	117,490	215.15	0	--	0	--	21,960	105.11	31,570	161.28	206,410	161.21
3d	60,610	254.77	0	--	0	--	23,650	152.96	14,890	140.23	120,900	178.62
4th	34,139	162.87	0	--	0	--	3,090	109.11	6,676	202.67	47,275	153.94
Total and average	253,349	215.79	0	--	0	--	55,880	137.48	67,836	170.09	455,625	166.11
1989												
1st	42,840	333.06	0	--	0	--	17,800	216.08	2,660	232.78	74,570	256.95
2d	16,385	318.37	0	--	0	--	4,130	38.65	2,280	134.63	27,385	214.27
3d	6,885	65.90	0	--	0	--	0	--	1,380	130.80	9,395	72.39
4th	67,670	427.40	0	--	0	--	7,710	218.74	29,595	362.23	128,195	329.12
Total and average	133,780	365.23	0	--	0	--	29,640	192.05	35,915	329.30	239,545	283.46
1990												
1st	25,420	369.08	0	--	0	--	3,060	171.62	10,770	228.91	48,780	263.72
2d	25,160	285.09	0	--	0	--	2,350	214.47	0	--	31,330	248.81
3d	243,121	317.36	0	--	0	--	73,645	189.40	53,760	208.48	421,120	249.05
4th	170	179.28	0	--	0	--	65	91.50	0	--	275	138.98
Total and average	293,871	318.99	0	--	0	--	79,120	189.38	64,530	211.89	501,505	250.40
1991												
1st	1,700	304.70	0	--	0	--	500	455.63	0	--	2,500	301.19
2d	456	284.25	0	--	0	--	0	--	120	230.00	686	237.98
3d	4,190	324.02	0	--	0	--	1,300	97.54	3,370	188.12	10,270	218.79
4th	1,580	446.75	0	--	0	--	830	249.56	0	--	2,840	329.76
Total and average	7,926	342.06	0	--	0	--	2,630	213.59	3,490	189.56	16,296	251.58
1992												
1st	4,500	473.92	0	--	0	--	0	--	0	--	5,000	428.83
2d	2,893	429.94	0	--	0	--	2,990	102.17	0	--	7,455	223.78
3d	2,774	26.99	0	--	0	--	0	--	340	255.00	3,147	51.70
4th	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

**Table 8--Volume and average stumpage (sold) price of selected species, Gifford Pinchot National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	880	702.59	0	--	0	--	725	386.31	0	--	2,090	438.87
2d	5,500	477.34	0	--	0	--	0	--	555	300.00	6,655	423.44
3d	1,510	871.74	0	--	0	--	0	--	0	--	1,510	871.74
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	7,890	577.95	0	--	0	--	725	386.31	555	300.00	10,255	492.60
1994												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	1,256	624.21	0	--	0	--	374	354.68	0	--	1,675	576.49
4th	3,370	612.03	0	--	0	--	2,500	438.88	1,430	484.68	7,300	527.78
Total and average	4,626	615.34	0	--	0	--	2,874	427.92	1,430	484.68	8,975	536.87
1995												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	1,295	129.56	0	--	0	--	0	--	0	--	1,380	164.07
4th	19,094	370.24	0	--	0	--	3,976	179.53	4,695	342.36	28,777	338.30
Total and average	20,389	354.96	0	--	0	--	3,976	179.53	4,695	342.36	30,157	330.33
1996												
1st	3,967	659.32	0	--	0	--	1,545	240.25	513	367.14	6,025	529.62
2d	204	347.29	0	--	0	--	0	--	0	--	204	347.32
3d	11,418	331.97	0	--	0	--	2,819	241.56	0	--	14,237	318.14
4th	27,975	406.54	0	--	0	--	5,772	287.80	1,349	257.50	35,194	383.00
Total and average	43,564	409.74	0	--	0	--	10,136	267.69	1,862	287.71	55,660	382.15

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 9--Volume and average stumpage (sold) price of selected species, Mount Baker-Snoqualmie National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	10,006	95.48	0	--	0	--	23,829	33.97	2,900	31.20	47,601	50.00
2d	16,053	92.33	0	--	0	--	38,950	32.91	19,180	42.17	88,486	46.93
3d	16,618	45.80	0	--	0	--	22,727	30.01	26,000	11.62	81,423	51.23
4th	1,300	79.80	0	--	0	--	5,650	61.93	5,100	12.32	19,750	42.32
Total and average	43,977	75.10	0	--	0	--	91,156	34.27	53,180	23.77	237,260	48.63
1986												
1st	23,550	117.64	0	--	0	--	27,030	55.36	18,650	34.15	92,150	64.21
2d	16,810	177.34	0	--	0	--	25,990	82.24	5,570	70.88	60,924	106.07
3d	26,905	103.40	0	--	0	--	52,365	34.03	2,710	92.43	102,917	55.57
4th	32,950	161.62	0	--	0	--	46,822	61.70	1,570	59.52	93,612	97.70
Total and average	100,215	138.29	0	--	0	--	152,207	54.56	28,500	48.27	349,603	77.93
1987												
1st	16,945	149.58	0	--	0	--	15,775	87.85	1,484	58.41	44,131	106.43
2d	11,922	109.91	0	--	0	--	35,867	82.85	10,120	84.67	70,615	78.76
3d	12,315	183.68	0	--	0	--	15,320	118.09	5,800	152.75	51,290	131.14
4th	14,870	230.98	0	--	0	--	8,290	91.39	5,200	118.00	34,180	155.78
Total and average	56,052	170.23	0	--	0	--	75,252	92.01	22,604	108.08	200,216	111.42
1988												
1st	11,570	207.11	0	--	0	--	10,415	123.82	4,300	161.80	34,093	152.62
2d	13,985	217.30	0	--	0	--	34,935	201.33	18,710	197.15	86,745	192.28
3d	19,225	253.41	0	--	0	--	19,980	188.71	1,650	143.75	58,992	211.44
4th	3,890	365.87	0	--	0	--	8,510	195.52	0	--	18,420	241.87
Total and average	48,670	241.02	0	--	0	--	73,840	186.31	24,660	187.41	198,250	195.77
1989												
1st	12,500	320.04	0	--	0	--	18,550	246.17	0	--	36,955	243.41
2d	1,627	356.46	0	--	0	--	1,560	239.23	1,023	327.09	6,195	219.99
3d	611	315.47	0	--	0	--	557	110.06	1,890	149.61	3,586	189.46
4th	35,864	437.07	0	--	0	--	32,237	286.50	8,200	303.99	94,597	331.33
Total and average	50,602	404.10	0	--	0	--	52,904	269.11	11,113	279.86	141,333	299.86
1990												
1st	500	314.20	0	--	0	--	2,900	379.00	0	--	3,900	345.51
2d	5,347	382.71	0	--	0	--	3,810	192.27	4,030	271.08	19,910	217.16
3d	48,625	337.91	0	--	0	--	51,885	164.27	11,720	133.73	140,085	221.75
4th	150	198.26	0	--	0	--	0	--	100	24.94	290	118.02
Total and average	54,622	341.69	0	--	0	--	58,595	176.72	15,850	167.97	16,185	223.95
1991												
1st	0	--	0	--	0	--	0	--	0	--	21	195.00
2d	505	125.77	0	--	0	--	106	97.25	0	--	611	120.82
3d	5,142	215.86	0	--	0	--	86	149.09	0	--	5,514	207.34
4th	4,248	98.70	0	--	0	--	0	--	0	--	4,248	98.70
Total and average	9,895	160.03	0	--	0	--	192	120.47	0	--	10,394	157.83
1992												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	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

**Table 9--Volume and average stumpage (sold) price of selected species, Mount Baker-Snoqualmie National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	5,287	266.13	0	--	0	--	862	136.76	0	--	6,260	263.26
Total and average	5,287	266.13	0	--	0	--	862	136.76	0	--	6,260	263.26
1994												
1st	7	549.43	0	--	0	--	0	--	0	--	7	549.43
2d	25	424.56	0	--	0	--	0	--	0	--	25	424.56
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	32	451.88	0	--	0	--	0	--	0	--	32	451.88
1995												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	214	218.16	0	--	0	--	536	260.82	72	166.48	836	261.47
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	214	218.16	0	--	0	--	536	260.82	72	166.48	836	261.47
1996												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	47	241.43	0	--	0	--	147	87.61	0	--	482	65.93
Total and average	47	241.43	0	--	0	--	147	87.61	0	--	482	65.93

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 10--Volume and average stumpage (sold) price of selected species, Olympic National Forest, Pacific Northwest Region, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	34,435	57.46	0	--	0	--	35,050	21.84	0	--	92,066	42.56
2d	3,720	83.33	0	--	0	--	17,310	16.77	3,120	15.02	29,820	35.20
3d	12,060	75.69	0	--	0	--	15,694	33.58	5,510	13.64	43,825	46.96
4th	2,230	25.94	0	--	0	--	870	10.10	1,400	42.94	4,990	30.28
Total and average	52,445	63.24	0	--	0	--	68,924	23.09	10,030	18.16	170,701	41.55
1986												
1st	17,970	138.33	0	--	0	--	45,500	48.86	1,610	37.99	78,845	72.78
2d	12,835	76.89	0	--	0	--	23,415	60.19	0	--	42,247	63.25
3d	19,105	62.81	0	--	0	--	58,830	42.77	7,900	47.04	100,671	46.00
4th	14,787	86.86	0	--	0	--	18,555	142.07	2,731	31.39	40,351	113.35
Total and average	64,697	92.08	0	--	0	--	146,300	60.05	12,241	42.36	262,114	67.20
1987												
1st	4,710	116.50	0	--	0	--	11,845	77.83	180	12.39	21,200	86.42
2d	22,280	116.62	0	--	0	--	68,475	90.39	300	100.01	108,893	110.09
3d	8,825	206.27	0	--	0	--	46,280	120.39	7,890	127.06	79,300	117.88
4th	5,465	201.66	0	--	0	--	26,015	122.96	9,400	161.33	51,630	125.95
Total and average	41,280	147.03	0	--	0	--	152,615	104.07	17,770	143.57	261,023	113.67
1988												
1st	16,090	206.23	0	--	0	--	26,385	133.99	4,070	144.42	52,655	150.82
2d	6,580	171.29	0	--	0	--	29,930	206.67	55	176.00	48,530	180.22
3d	4,961	218.58	0	--	0	--	31,015	120.10	10,320	98.06	56,580	115.20
4th	3,660	235.52	0	--	0	--	6,700	175.87	6,300	168.05	19,980	167.06
Total and average	31,291	204.27	0	--	0	--	94,030	155.52	20,745	128.62	177,745	149.33
1989												
1st	4,200	326.92	0	--	0	--	13,970	168.00	180	150.00	22,330	174.28
2d	1,620	193.17	0	--	0	--	920	80.22	0	--	2,805	142.20
3d	3,275	159.47	0	--	0	--	2,665	262.58	480	80.09	8,140	163.61
4th	8,245	302.74	0	--	0	--	11,625	244.86	0	--	21,800	249.67
Total and average	17,340	271.30	0	--	0	--	29,180	204.49	660	99.16	55,075	200.91
1990												
1st	1,448	278.04	0	--	0	--	5,675	262.16	5,345	305.86	14,310	255.00
2d	13,980	369.62	0	--	0	--	11,360	305.25	170	56.25	28,390	309.03
3d	34,345	336.09	0	--	0	--	53,075	181.30	15,015	148.61	115,665	210.08
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	49,773	343.82	0	--	0	--	70,110	207.93	20,530	188.78	158,365	231.88
1991												
1st	0	--	0	--	0	--	36	76.50	0	--	36	76.50
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	9,135	105.30	0	--	0	--	6,301	73.93	0	--	15,680	100.75
4th	0	--	0	--	0	--	1,130	108.00	0	--	1,130	108.00
Total and average	9,135	105.30	0	--	0	--	7,467	79.10	0	--	16,846	101.18
1992												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	2,150	141.40	0	--	0	--	200	100.38	0	--	2,361	138.93
3d	7,910	117.93	0	--	0	--	890	116.78	25	288.60	10,063	125.49
4th	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 10--Volume and average stumpage (sold) price of selected species, Olympic National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	4,610	315.49	0	--	0	--	2,390	304.01	0	--	7,500	295.61
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	400	874.14	0	--	0	--	2,200	146.70	0	--	3,200	284.00
Total and average	5,010	360.09	0	--	0	--	4,590	228.61	0	--	10,700	292.14
1994												
1st	1,750	386.39	0	--	0	--	2,180	244.53	0	--	3,930	307.70
2d	170	616.07	0	--	0	--	305	296.24	0	--	520	402.37
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	39	675.26	0	--	0	--	34	317.61	0	--	75	425.29
Total and average	1,959	412.07	0	--	0	--	2,519	251.77	0	--	4,525	320.52
1995												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	72	632.12	0	--	0	--	149	251.38	0	--	233	367.48
3d	2,910	134.64	0	--	0	--	3,779	292.13	0	--	6,761	288.00
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	2,982	146.65	0	--	0	--	3,928	290.59	0	--	6,994	290.65
1996												
1st	0	--	0	--	0	--	0	--	22	206.70	34	214.65
2d	968	269.92	0	--	0	--	542	148.92	0	--	2,544	154.21
3d	15	286.24	0	--	0	--	112	134.11	0	--	148	131.18
4th	54	277.86	0	--	0	--	2	133.78	0	--	59	266.24
Total and average	1,037	270.57	0	--	0	--	656	146.35	22	206.70	2,785	156.10

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 11--Volume and average stumpage (sold) price of selected species, National Forests of western Washington, 1985-96<sup>a</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	77,821	77.56	0	--	0	--	98,249	39.87	11,950	25.44	232,077	52.64
2d	68,453	125.04	0	--	0	--	90,060	45.07	33,440	53.08	228,821	68.53
3d	54,048	78.85	0	--	400	135.03	42,451	30.11	43,570	25.59	169,873	57.13
4th	36,285	144.88	0	--	0	--	10,590	70.33	25,760	35.30	89,085	83.04
Total and average	236,607	101.91	0	-	400	135.03	241,350	41.43	114,720	35.77	719,856	62.51
1986												
1st	52,270	142.58	0	--	0	--	80,730	57.22	27,560	63.98	203,045	78.79
2d	98,545	130.12	0	--	0	--	74,710	79.65	22,930	111.93	237,486	97.97
3d	130,388	122.32	0	--	0	--	151,145	64.66	20,736	73.78	361,181	80.35
4th	120,232	146.76	0	--	0	--	78,877	86.54	13,831	29.75	252,093	108.36
Total and average	401,435	134.19	0	--	0	--	385,462	70.48	85,057	73.73	1,053,805	90.72
1987												
1st	50,950	123.37	0	--	0	--	34,660	86.93	9,324	104.85	117,806	97.13
2d	139,132	134.90	0	--	0	--	132,292	88.64	31,145	80.93	364,903	102.87
3d	67,350	185.69	0	--	0	--	75,010	112.18	27,080	138.30	223,570	132.29
4th	49,674	206.62	0	--	0	--	40,505	110.33	19,431	143.36	132,565	143.14
Total and average	307,106	155.73	0	--	0	--	282,467	97.79	86,980	115.30	838,844	116.27
1988												
1st	68,770	205.09	0	--	0	--	43,890	141.99	23,070	185.91	167,788	159.00
2d	138,055	213.28	0	--	0	--	86,825	178.83	50,335	174.63	341,685	171.80
3d	84,796	252.34	0	--	0	--	74,645	148.87	26,860	124.24	236,472	171.64
4th	41,689	188.19	0	--	0	--	18,300	173.73	12,976	185.86	85,675	175.91
Total and average	333,310	218.39	0	--	0	--	223,750	161.18	113,241	166.26	831,620	169.59
1989												
1st	59,540	329.89	0	--	0	--	50,320	213.83	2,840	227.53	133,855	239.42
2d	19,632	311.19	0	--	0	--	6,610	91.77	3,303	194.24	36,385	209.69
3d	10,771	108.50	0	--	0	--	3,222	236.21	3,750	133.79	21,121	127.42
4th	111,779	421.31	0	--	0	--	51,572	266.98	37,795	349.60	244,592	322.89
Total and average	201,722	366.91	0	--	0	--	111,724	231.79	47,688	314.60	435,953	278.35
1990												
1st	27,368	363.26	0	--	0	--	11,635	267.47	16,115	254.43	66,990	266.62
2d	44,487	323.38	0	--	0	--	17,520	268.51	4,200	262.38	79,630	262.36
3d	326,091	322.39	0	--	0	--	178,605	179.69	80,495	186.43	676,870	236.74
4th	320	188.18	0	--	0	--	65	91.50	100	24.94	565	128.22
Total and average	398,266	325.21	0	--	0	--	207,825	192.07	100,910	200.29	824,055	241.57
1991												
1st	1,700	304.70	0	--	0	--	536	430.17	0	--	2,557	297.16
2d	961	200.97	0	--	0	--	106	97.25	120	230.00	1,297	182.79
3d	18,467	185.71	0	--	0	--	7,687	78.76	3,370	188.12	31,464	157.96
4th	5,828	191.47	0	--	0	--	1,960	167.95	0	--	8,218	179.83
Total and average	26,956	195.01	0	--	0	--	10,289	114.25	3,490	189.56	43,536	171.00
1992												
1st	4,500	473.92	0	--	0	--	0	--	0	--	5,000	428.83
2d	5,043	306.93	0	--	0	--	3,190	102.05	0	--	9,816	203.37
3d	10,684	94.32	0	--	0	--	890	116.78	365	257.30	13,210	107.92
4th	324	366.88	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

**Table 11--Volume and average stumpage (sold) price of selected species, National Forests of western Washington, 1985-96<sup>a</sup> (continued)**

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

Year and quarter	Dougals-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
1993												
1st	880	702.59	0	--	0	--	725	386.31	0	--	2,090	438.87
2d	10,110	403.54	0	--	0	--	2,390	304.01	555	300.00	14,155	355.71
3d	1,510	871.74	0	--	0	--	0	--	0	--	1,510	871.74
4th	5,687	308.89	0	--	0	--	3,062	143.90	0	--	9,460	270.28
Total and average	18,187	427.29	0	--	0	--	6,177	234.30	555	300.00	27,215	361.03
1994												
1st	1,757	387.04	0	--	0	--	2,180	244.53	0	--	3,937	308.13
2d	195	591.52	0	--	0	--	305	296.24	0	--	545	403.38
3d	1,256	624.21	0	--	0	--	374	354.68	0	--	1,675	576.49
4th	3,409	612.75	0	--	0	--	2,534	437.25	1,430	484.68	7,375	526.74
Total and average	6,617	554.37	0	--	0	--	5,393	345.65	1,430	484.68	13,532	464.33
1995												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	72	632.12	0	--	0	--	149	251.38	0	--	233	367.48
3d	4,419	137.19	0	--	0	--	4,315	288.24	72	166.48	8,979	266.48
4th	19,094	370.24	0	--	0	--	3,976	179.53	4,695	342.36	28,777	338.30
Total and average	23,585	327.38	0	--	0	--	8,440	236.38	4,767	339.70	37,989	321.51
1996												
1st	3,967	659.32	0	--	0	--	1,545	240.25	535	360.55	6,059	527.85
2d	1,172	283.39	0	--	0	--	542	148.92	0	--	2,748	168.55
3d	11,433	331.91	0	--	0	--	2,931	237.46	0	--	14,385	316.21
4th	28,076	406.01	0	--	0	--	5,921	282.78	1,349	257.50	35,735	378.53
Total and average	44,648	406.33	0	--	0	--	10,939	258.00	1,884	286.76	58,927	368.88

<sup>a</sup> Prices for individual sales may differ 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>b</sup> Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 12--Volume and average stumpage (sold) price of selected species, National Forests of western Oregon and western Washington, 1985-96<sup>a</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	531,429	106.22	8,360	115.85	990	58.81	166,749	39.49	41,910	40.07	955,682	80.39
2d	294,883	104.83	0	--	4,214	147.61	121,100	41.00	59,438	56.19	620,403	74.19
3d	482,802	106.14	9,260	61.02	3,935	66.14	120,589	29.83	70,900	27.60	887,368	75.73
4th	178,331	120.02	7,500	68.73	2,950	261.30	29,870	49.86	38,625	35.67	308,283	91.66
Total and average	1,487,445	107.57	25,120	81.57	12,089	141.56	438,848	37.91	210,873	39.62	2,771,736	78.76
1986												
1st	413,114	138.72	3,900	76.67	1,450	109.37	135,898	56.17	43,780	49.39	770,444	96.35
2d	497,832	158.52	5,360	67.38	6,994	137.21	159,126	72.41	56,880	72.88	875,019	121.71
3d	708,164	143.84	27,410	103.99	9,700	151.10	233,613	58.40	49,356	54.22	1,240,629	107.64
4th	422,162	152.65	130	14.25	0	--	120,867	74.28	32,511	45.42	706,633	118.77
Total and average	2,041,272	148.21	36,850	95.41	18,144	142.41	649,504	64.32	182,527	57.28	3,592,725	110.83
1987												
1st	544,658	165.97	6,900	37.84	4,950	190.70	91,770	69.90	38,072	85.94	882,327	131.54
2d	588,089	163.81	6,560	101.13	4,580	203.75	176,667	87.47	51,435	74.41	1,037,054	125.08
3d	420,760	179.95	3,200	127.38	3,048	188.31	123,280	105.72	53,165	97.03	772,274	140.46
4th	275,358	209.30	0	--	1,490	312.57	74,055	138.78	40,055	94.37	488,451	163.06
Total and average	1,828,865	175.02	16,660	79.96	14,068	207.34	465,772	97.00	182,727	87.77	3,180,106	136.44
1988												
1st	432,575	233.64	9,450	88.92	3,260	199.88	85,003	128.65	49,670	119.10	723,690	181.96
2d	655,992	254.25	3,200	34.24	8,130	105.63	153,963	155.55	88,985	142.64	1,133,537	193.79
3d	537,149	215.62	2,800	46.79	3,455	205.39	124,521	135.47	45,026	94.80	844,014	185.53
4th	236,154	254.08	770	69.96	650	192.24	47,900	173.55	29,236	144.70	397,969	211.08
Total and average	1,861,870	238.30	16,220	69.96	15,495	151.34	411,387	146.01	212,917	127.31	3,099,210	191.00
1989												
1st	314,386	342.39	20,800	350.98	1,460	189.00	92,120	170.55	13,660	139.07	561,771	259.17
2d	76,144	341.53	0	--	0	--	12,106	108.47	7,583	122.94	112,449	266.96
3d	141,146	417.20	30	277.60	0	--	14,037	107.86	3,910	138.50	208,313	310.33
4th	532,968	539.31	15,940	322.98	7,170	228.84	112,802	264.51	63,896	317.99	917,771	412.13
Total and average	1,064,644	450.82	36,770	338.78	8,630	222.10	231,065	209.36	89,049	266.05	1,800,304	343.55
1990												
1st	165,095	473.83	0	--	0	--	21,262	196.54	20,485	256.89	248,104	368.19
2d	311,015	476.71	2,920	74.83	3,530	420.11	56,610	217.52	19,069	204.42	465,271	382.75
3d	1,396,071	386.85	15,755	281.46	9,460	184.15	305,355	160.85	143,012	185.27	2,253,744	298.45
4th	5,906	257.13	300	113.00	1,180	164.68	2,775	195.74	510	40.77	11,501	202.68
Total and average	1,878,087	408.97	18,975	246.99	14,170	241.31	386,002	171.38	183,076	194.87	2,978,620	317.06
1991												
1st	3,342	359.55	0	--	300	192.55	536	430.17	0	--	5,600	293.58
2d	1,189	233.63	0	--	0	--	106	97.25	2,520	127.14	4,460	169.37
3d	93,024	461.72	1,710	229.46	0	--	32,898	105.79	9,373	174.78	166,785	313.57
4th	13,123	333.71	63	229.70	290	259.53	2,130	154.70	850	180.33	17,810	293.73
Total and average	110,678	441.01	1,773	229.47	590	225.47	35,670	113.56	12,743	165.73	194,655	307.87
1992												
1st	16,591	575.18	0	--	0	--	1,330	251.97	70	205.42	22,108	474.38
2d	8,518	441.78	265	252.00	0	--	5,005	129.29	0	--	17,212	276.03
3d	22,644	387.47	3,851	262.87	742	169.22	5,505	379.58	837	184.32	40,410	329.58
4th	9,739	380.62	0	--	0	--	4,260	138.62	0	--	14,581	301.47
Total and average	57,492	448.53	4,116	262.17	742	169.22	16,100	227.47	907	185.95	94,311	349.41

**Table 12--Volume and average stumpage (sold) price of selected species, National Forests of western Oregon and western Washington, 1985-96<sup>a</sup> (continued)**

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

Year and quarter	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
1993												
1st	7,562	696.34	0	--	0	--	805	371.18	199	283.49	10,180	572.36
2d	16,337	569.63	26	217.60	0	--	3,385	347.14	1,957	414.80	24,921	472.05
3d	32,619	538.77	2,919	414.55	200	335.88	1,301	288.37	2,935	398.07	45,332	494.68
4th	25,013	430.57	0	--	0	--	5,200	203.44	710	251.29	35,539	369.83
Total and average	81,531	526.37	2,945	412.81	200	335.88	10,691	271.91	5,801	381.82	115,972	458.38
1994												
1st	21,705	509.93	1,082	612.22	140	431.01	3,445	246.59	2,201	436.86	30,802	454.36
2d	11,649	1,022.53	0	--	470	587.67	2,305	623.05	1,455	742.54	18,741	859.46
3d	9,458	881.09	0	--	0	--	984	428.60	60	1,094.67	17,670	673.70
4th	10,249	409.56	0	--	0	--	2,557	434.08	1,480	478.44	15,910	397.22
Total and average	53,061	669.24	1,082	612.22	610	551.72	9,291	410.86	5,196	541.90	83,123	581.39
1995												
1st	3,741	365.93	0	--	0	--	4,200	303.45	100	284.49	8,223	331.23
2d	5,462	573.54	0	--	150	697.26	149	251.38	780	453.83	9,568	485.41
3d	74,338	243.62	3,397	88.49	62	290.56	8,385	193.94	7,590	201.89	108,843	388.50
4th	57,797	316.54	2,507	271.36	0	--	9,066	122.28	8,024	390.07	81,454	339.66
Total and average	141,338	289.43	5,904	166.14	212	578.32	21,800	185.63	16,494	305.85	208,088	371.57
1996												
1st	9,818	548.95	2,734	25.97	333	745.58	1,574	241.09	5,752	93.57	22,723	301.14
2d	26,318	333.36	2,872	89.05	458	413.66	845	118.92	1,817	161.45	36,215	295.87
3d	100,863	334.00	0	--	1,642	44.32	13,957	220.13	4,251	116.69	124,770	342.92
4th	135,135	415.61	13,466	82.47	1,162	88.67	22,442	237.31	31,555	115.87	219,558	357.54
Total and average	272,134	382.22	19,072	75.36	3,595	170.67	38,818	228.71	43,375	114.90	403,266	333.41

<sup>a</sup> Prices for individual sales may differ 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>b</sup> Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 13--Volume and average stumpage (sold) price of selected species, Deschutes National Forests, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	1,120	31.12	11,740	58.46	0	--	3,230	47.18	30,470	36.94
2d	0	--	640	77.92	11,048	230.49	0	--	630	41.52	19,743	142.64
3d	0	--	8,090	33.93	23,593	161.43	0	--	6,020	17.47	55,528	78.55
4th	0	--	0	--	2,828	44.64	0	--	9	39.35	18,632	17.05
Total and average	0	--	9,850	36.47	49,209	145.66	0	--	9,889	28.73	124,373	69.32
1986												
1st	0	--	2,220	12.43	13,014	241.45	0	--	4,010	33.22	36,649	94.18
2d	0	--	4,250	25.80	16,780	121.88	0	--	7,110	22.62	54,960	46.28
3d	0	--	6,950	41.73	34,450	196.14	0	--	10,810	39.82	61,930	121.81
4th	0	--	0	--	14,010	40.51	0	--	610	1.00	37,140	24.26
Total and average	0	--	13,420	31.84	78,254	159.89	0	--	22,540	32.17	190,679	75.73
1987												
1st	0	--	4,040	19.52	28,270	277.87	0	--	9,260	18.95	54,105	152.18
2d	0	--	3,060	50.89	22,089	183.67	0	--	1,580	39.65	34,058	181.47
3d	0	--	2,590	67.17	23,378	284.25	0	--	1,230	24.80	55,304	127.97
4th	0	--	0	--	5,849	343.67	0	--	55	10.20	16,210	130.83
Total and average	0	--	9,690	42.16	79,586	258.43	0	--	12,125	22.20	159,677	147.87
1988												
1st	0	--	8,750	234.65	33,006	329.21	0	--	19,480	40.26	76,446	183.26
2d	0	--	1,990	241.70	6,245	244.72	0	--	5,870	34.64	29,554	80.72
3d	0	--	3,450	54.42	15,050	231.61	0	--	2,131	76.57	38,051	108.32
4th	0	--	16	50.15	28,477	215.73	0	--	2,970	63.20	38,738	212.94
Total and average	0	--	14,206	191.66	82,778	266.05	0	--	30,451	43.96	182,789	157.37
1989												
1st	0	--	2,220	123.54	7,265	395.78	0	--	4,860	67.05	23,220	177.28
2d	0	--	0	--	3,255	415.25	0	--	1,925	63.03	8,755	214.31
3d	0	--	0	--	20,470	94.16	0	--	0	--	45,780	64.43
4th	0	--	0	--	4,010	524.94	0	--	1,070	136.21	15,160	175.49
Total and average	0	--	2,220	123.54	35,000	235.99	0	--	7,855	75.48	92,915	124.88
1990												
1st	0	--	0	--	5,900	236.21	0	--	180	60.30	18,360	97.25
2d	0	--	0	--	4,559	300.26	0	--	1,640	32.14	9,220	165.76
3d	0	--	2,120	316.01	50,178	311.45	0	--	2,175	24.87	92,592	205.10
4th	0	--	165	126.00	64	177.23	0	--	0	--	11,089	96.99
Total and average	0	--	2,285	302.29	60,701	303.16	0	--	3,995	29.45	131,261	178.12
1991												
1st	0	--	0	--	0	--	0	--	0	--	32,240	86.56
2d	0	--	0	--	4,610	114.59	0	--	0	--	6,230	97.35
3d	0	--	0	--	4,210	174.57	0	--	300	24.56	36,516	78.19
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	0	--	0	--	8,820	143.22	0	--	300	24.56	74,986	83.38
1992												
1st	0	--	0	--	1,480	258.84	0	--	120	88.90	18,590	137.03
2d	0	--	0	--	1,120	409.31	0	--	0	--	2,317	263.78
3d	0	--	170	210.01	4,755	502.19	0	--	0	--	25,405	163.95
4th	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	69,052	133.68

**Table 13--Volume and average stumpage (sold) price of selected species, Deschutes National Forests, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	0	--	0	--	1,195	693.88	0	--	0	--	10,075	175.18
2d	0	--	0	--	0	--	0	--	0	--	610	104.00
3d	0	--	0	--	0	--	0	--	0	--	357	34.76
4th	0	--	0	--	1,120	472.32	0	--	1,130	174.56	14,740	100.96
Total and average	0	--	0	--	2,315	586.69	0	--	1,130	174.56	25,782	129.12
1994												
1st	0	--	0	--	30	74.14	0	--	0	--	18,920	157.37
2d	0	--	0	--	2,210	74.21	0	--	0	--	6,300	44.71
3d	0	--	0	--	1,720	288.06	0	--	0	--	17,249	125.53
4th	0	--	70	246.79	395	347.34	0	--	35	223.89	1,995	140.01
Total and average	0	--	70	246.79	4,355	183.44	0	--	35	223.89	44,464	128.28
1995												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	31	98.15	22	685.13	0	--	3	348.12	700	173.68
3d	0	--	5	182.20	4,006	152.04	0	--	2	179.50	33,151	162.97
4th	0	--	0	--	741	268.03	0	--	480	196.51	6,264	110.28
Total and average	0	--	36	109.82	4,769	172.52	0	--	485	197.38	40,115	154.93
1996												
1st	0	--	74	153.66	2,429	301.03	0	--	107	53.36	4,921	182.55
2d	0	--	11	105.60	731	209.13	0	--	6	21.04	3,581	129.64
3d	0	--	5,960	345.32	548	190.17	0	--	7,628	130.87	49,206	111.73
4th	0	--	1,446	182.85	907	147.73	0	--	10,860	103.18	32,872	64.76
Total and average	0	--	7,491	311.71	4,615	243.18	0	--	18,601	114.22	90,580	99.24

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 14--Volume and average stumpage (sold) price of selected species, Fremont National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	0	--	18,430	65.75	0	--	8,480	12.43	43,280	64.65
2d	0	--	0	--	34,881	139.84	0	--	7,716	46.57	45,317	116.46
3d	0	--	0	--	23,100	116.26	0	--	1,700	28.18	26,720	101.40
4th	0	--	0	--	17,160	155.06	0	--	4,020	7.05	21,180	126.97
Total and average	0	--	0	--	93,571	122.22	0	--	21,916	24.69	136,497	98.71
1986												
1st	0	--	0	--	14,510	156.33	0	--	1,300	17.66	18,550	126.10
2d	0	--	0	--	36,608	179.48	0	--	20,153	37.92	61,841	124.69
3d	0	--	0	--	16,328	171.95	0	--	11,730	106.68	38,608	120.35
4th	0	--	0	--	21,590	218.01	0	--	2,060	23.55	24,900	212.33
Total and average	0	--	0	--	89,036	183.67	0	--	35,243	59.22	143,899	138.88
1987												
1st	0	--	0	--	33,437	185.82	0	--	8,677	38.94	53,760	123.95
2d	0	--	0	--	30,900	199.06	0	--	13,450	42.24	51,600	136.86
3d	0	--	0	--	15,510	207.05	0	--	8,640	75.20	25,420	153.39
4th	0	--	0	--	29,745	239.55	0	--	9,950	21.21	43,895	173.99
Total and average	0	--	0	--	109,592	207.14	0	--	40,717	43.39	174,675	144.62
1988												
1st	0	--	0	--	20,210	266.33	0	--	1,400	46.05	22,310	244.80
2d	0	--	0	--	29,420	269.03	0	--	7,030	40.61	38,840	212.56
3d	0	--	0	--	14,840	365.85	0	--	3,778	69.85	36,015	171.83
4th	0	--	0	--	5,680	258.63	0	--	3,520	10.99	20,150	81.77
Total and average	0	--	0	--	70,150	287.89	0	--	15,728	41.49	117,315	183.72
1989												
1st	0	--	0	--	24,130	311.84	0	--	7,300	157.21	39,780	233.36
2d	0	--	0	--	12,235	304.11	0	--	7,500	236.13	24,335	247.60
3d	0	--	0	--	44,520	407.62	0	--	18,590	82.51	76,220	270.83
4th	0	--	0	--	13,900	384.05	0	--	2,850	90.01	18,800	300.30
Total and average	0	--	0	--	94,785	366.42	0	--	36,240	129.94	159,135	261.39
1990												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	35,700	230.93	0	--	4,600	7.33	45,750	187.17
3d	0	--	0	--	59,565	254.31	0	--	13,005	99.88	83,030	201.88
4th	0	--	0	--	100	381.00	0	--	60	93.02	280	195.87
Total and average	0	--	0	--	95,365	245.69	0	--	17,665	75.76	129,060	196.65
1991												
1st	0	--	0	--	1,580	392.51	0	--	1,500	44.90	10,330	114.34
2d	0	--	0	--	5,210	325.78	0	--	1,000	29.82	9,900	207.57
3d	0	--	0	--	12,430	421.29	0	--	2,040	135.94	50,792	152.82
4th	0	--	0	--	4,250	276.97	0	--	3,750	74.12	12,800	170.37
Total and average	0	--	0	--	23,470	372.01	0	--	8,290	78.70	83,822	157.23
1992												
1st	0	--	0	--	6,470	503.65	0	--	1,300	67.76	7,770	441.31
2d	0	--	0	--	12,400	503.39	0	--	5,900	197.09	19,294	378.21
3d	0	--	0	--	0	--	0	--	0	--	11,230	94.50
4th	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



**Table 14--Volume and average stumpage (sold) price of selected species, Fremont National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup> (Continued)**

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

Year and quarter	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								
1993												
1st	0	--	0	--	16,874	649.14	0	--	12,552	329.17	29,666	509.75
2d	0	--	0	--	2,100	10.22	0	--	137	301.14	3,725	20.83
3d	0	--	0	--	2,867	418.90	0	--	1,030	214.57	3,897	364.90
4th	0	--	0	--	1,181	96.11	0	--	5,579	10.00	7,470	31.61
Total and average	0	--	0	--	23,022	533.82	0	--	19,298	230.59	44,758	376.64
1994												
1st	0	--	0	--	127	325.01	0	--	10,062	84.11	10,644	83.98
2d	0	--	0	--	0	--	0	--	0	--	700	10.55
3d	0	--	0	--	589	37.51	0	--	75	17.26	4,584	41.03
4th	0	--	0	--	1,428	32.73	0	--	757	81.35	5,680	20.56
Total and average	0	--	0	--	2,144	51.35	0	--	10,894	83.46	21,608	55.82
1995												
1st	0	--	0	--	723	37.50	0	--	0	--	3,797	12.84
2d	0	--	0	--	14	566.18	0	--	1,243	267.50	5,118	77.10
3d	0	--	0	--	356	48.82	0	--	8,695	41.88	9,309	85.62
4th	0	--	0	--	878	35.98	0	--	2,038	9.97	3,322	31.13
Total and average	0	--	0	--	1,971	42.63	0	--	11,976	59.87	21,546	62.37
1996												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	216	97.60	0	--	3,801	53.09	4,060	55.95
3d	0	--	0	--	2,720	129.14	0	--	3,224	75.90	8,515	97.01
4th	0	--	0	--	2,083	198.96	0	--	9,542	58.79	19,724	59.15
Total and average	0	--	0	--	5,019	157.76	0	--	16,567	60.81	30,299	66.86

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 15--Volume and average stumpage (sold) price of selected species, Malheur National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	15,500	12.34	63,000	151.00	0	--	9,100	11.50	92,750	108.15
2d	0	--	950	7.24	24,520	170.91	0	--	760	3.58	32,430	130.54
3d	0	--	8,355	8.37	24,538	164.78	0	--	5,860	4.10	44,533	93.19
4th	0	--	4,900	10.09	36,470	196.49	0	--	3,190	6.59	46,540	155.51
Total and average	0	--	29,705	10.69	148,528	167.73	0	--	18,910	8.06	216,253	118.62
1986												
1st	0	--	5,100	6.00	43,500	177.94	0	--	1,100	1.00	50,740	153.19
2d	0	--	10,980	12.89	40,210	152.73	0	--	6,310	18.56	61,870	104.34
3d	0	--	9,600	13.87	49,407	210.49	0	--	8,810	25.38	72,747	148.16
4th	0	--	7,407	11.28	45,187	247.40	0	--	3,750	18.28	65,684	173.33
Total and average	0	--	33,087	11.75	178,304	198.88	0	--	19,970	20.55	251,041	144.96
1987												
1st	0	--	6,100	59.40	30,239	293.94	0	--	2,100	26.70	39,879	233.45
2d	0	--	16,560	16.91	50,249	286.20	0	--	7,180	15.98	78,439	188.43
3d	0	--	9,605	25.73	38,126	271.11	0	--	9,000	13.49	61,313	174.70
4th	0	--	11,650	42.68	40,972	304.44	0	--	7,130	41.20	62,372	213.49
Total and average	0	--	43,915	31.58	159,586	288.74	0	--	25,410	23.06	242,003	198.83
1988												
1st	0	--	11,800	45.33	28,720	331.97	0	--	11,070	42.57	54,590	194.29
2d	0	--	13,123	39.34	50,407	310.87	0	--	10,600	50.73	75,998	220.44
3d	0	--	9,338	40.96	23,390	236.82	0	--	2,726	51.81	38,230	167.14
4th	0	--	12,251	41.54	36,786	282.90	0	--	13,873	41.25	72,620	158.97
Total and average	0	--	46,512	41.77	139,303	295.40	0	--	38,269	45.01	241,438	187.60
1989												
1st	0	--	12,510	63.61	39,850	278.76	0	--	8,980	78.81	64,140	199.99
2d	0	--	9,600	61.67	41,500	338.80	0	--	4,800	37.37	61,255	243.02
3d	0	--	5,572	94.94	46,463	390.95	0	--	3,350	74.20	55,785	339.63
4th	0	--	7,805	65.05	12,540	266.66	0	--	5,335	68.92	28,715	161.68
Total and average	0	--	35,487	68.32	140,353	332.57	0	--	22,465	66.92	209,895	244.42
1990												
1st	0	--	8,871	58.69	32,001	334.44	0	--	8,614	31.98	53,526	215.63
2d	0	--	10,745	82.60	34,171	395.06	0	--	12,383	158.31	63,264	259.13
3d	0	--	10,150	44.99	51,578	339.47	0	--	18,938	65.82	87,153	220.34
4th	0	--	690	51.31	19,325	215.05	0	--	39,100	56.67	59,155	108.31
Total and average	0	--	30,456	62.39	137,075	334.61	0	--	79,035	72.10	263,098	203.52
1991												
1st	0	--	600	20.09	20,360	218.13	0	--	36,000	68.78	57,520	120.49
2d	0	--	3,730	50.65	11,690	306.57	0	--	2,400	64.87	18,790	209.23
3d	0	--	6,700	173.51	23,234	363.41	0	--	5,706	168.97	36,890	319.42
4th	0	--	1,860	104.28	2,679	318.00	0	--	2,136	114.35	7,285	196.13
Total and average	0	--	12,890	120.83	57,963	298.82	0	--	46,242	83.05	120,485	199.81
1992												
1st	0	--	2,518	166.96	2,762	572.70	0	--	2,020	163.99	7,755	332.75
2d	0	--	4,190	167.14	6,172	476.31	0	--	7,977	214.03	21,539	298.20
3d	0	--	10,625	127.14	14,039	822.36	0	--	13,494	210.59	46,124	371.88
4th	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

**Table 15--Volume and average stumpage (sold) price of selected species, Malheur National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	Dougals-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1993												
1st	0	--	7,020	510.45	12,998	496.90	0	--	17,500	281.94	38,778	398.29
2d	0	--	1,601	187.49	3,000	651.59	0	--	501	253.22	5,102	466.84
3d	0	--	0	--	209	380.12	0	--	0	--	245	325.73
4th	0	--	82	416.71	675	521.13	0	--	7,745	13.56	8,510	57.74
Total and average	0	--	8,703	450.16	16,882	523.91	0	--	25,746	200.65	52,635	349.53
1994												
1st	0	--	1,282	273.28	688	357.42	0	--	0	--	1,970	302.66
2d	0	--	440	307.28	525	339.94	0	--	1,614	276.17	2,589	293.55
3d	0	--	1,630	76.52	2,066	98.68	0	--	1,403	98.69	6,077	185.08
4th	0	--	940	168.93	3,760	196.03	0	--	1,960	364.43	7,303	253.23
Total and average	0	--	4,292	179.19	7,039	193.97	0	--	4,977	260.89	17,939	241.39
1995												
1st	0	--	660	33.97	745	105.22	0	--	1,215	38.84	3,180	115.69
2d	0	--	2,500	87.76	9,645	106.58	0	--	4,905	63.90	21,250	129.93
3d	0	--	85	34.02	350	29.18	0	--	422	16.47	857	98.29
4th	0	--	2,462	76.64	2,708	63.61	0	--	13,726	49.74	21,985	61.42
Total and average	0	--	5,707	75.94	13,448	95.84	0	--	20,268	51.82	47,272	96.53
1996												
1st	0	--	1,463	88.16	4,189	79.53	0	--	6,353	47.85	12,529	73.11
2d	0	--	187	110.10	319	59.82	0	--	1,417	30.90	3,765	29.70
3d	0	--	204	58.81	901	144.59	0	--	390	67.58	1,856	94.09
4th	0	--	3,673	39.89	9,963	62.78	0	--	7,903	26.60	23,489	73.31
Total and average	0	--	5,527	55.74	15,372	72.08	0	--	16,063	36.38	41,639	70.23

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 16--Volume and average stumpage (sold) price of selected species, Ochoco National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	5,140	10.16	32,160	150.26	0	--	100	1.00	37,400	131.29
2d	0	--	2,770	18.02	21,520	82.30	0	--	2,780	9.00	27,140	68.02
3d	0	--	4,041	10.84	21,761	208.86	0	--	2,048	11.99	29,351	157.27
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	0	--	11,951	12.21	75,441	147.78	0	--	4,928	10.08	93,891	121.13
1986												
1st	0	--	6,630	22.80	51,740	251.39	0	--	4,130	13.48	62,500	211.42
2d	0	--	2,700	6.00	42,950	163.61	0	--	1,700	1.00	47,350	148.78
3d	0	--	5,000	8.97	43,290	226.58	0	--	1,300	7.16	49,590	198.89
4th	0	--	3,800	16.46	39,050	246.92	0	--	2,800	13.05	45,650	213.39
Total and average	0	--	18,130	15.16	177,030	223.04	0	--	9,930	10.40	205,090	194.37
1987												
1st	0	--	6,800	22.80	37,200	248.74	0	--	3,500	31.25	47,500	200.37
2d	0	--	5,900	44.50	21,600	309.28	0	--	3,200	45.17	30,700	230.86
3d	0	--	5,600	62.31	22,400	258.86	0	--	4,500	33.28	32,500	193.76
4th	0	--	4,164	20.62	13,601	284.49	0	--	0	--	17,765	222.64
Total and average	0	--	22,464	37.94	94,801	270.05	0	--	11,200	36.04	128,465	209.07
1988												
1st	0	--	9,000	63.71	36,300	314.51	0	--	3,500	61.28	48,800	250.09
2d	0	--	6,000	42.50	25,300	302.66	0	--	5,100	34.92	36,400	222.26
3d	0	--	4,400	113.33	21,950	290.37	0	--	9,000	59.65	35,350	209.60
4th	0	--	1,900	73.65	27,002	298.00	0	--	5,200	74.83	34,102	251.47
Total and average	0	--	21,300	68.87	110,552	302.97	0	--	22,800	57.83	154,652	234.59
1989												
1st	0	--	1,000	72.02	27,100	252.62	0	--	3,500	258.85	31,600	247.60
2d	0	--	5,400	104.16	38,100	319.59	0	--	700	25.94	44,200	288.62
3d	0	--	4,600	56.35	13,760	395.15	0	--	2,000	31.68	20,360	282.90
4th	0	--	0	--	3,900	370.00	0	--	600	70.83	4,500	330.11
Total and average	0	--	11,000	81.25	82,860	312.61	0	--	6,800	151.47	100,660	276.44
1990												
1st	0	--	4,100	35.53	17,300	464.58	0	--	8,700	210.19	30,100	312.68
2d	0	--	400	50.76	3,900	373.09	0	--	0	--	4,300	343.11
3d	0	--	8,100	39.35	48,550	380.57	0	--	24,540	95.45	81,190	263.06
4th	0	--	0	--	40,245	202.26	0	--	0	--	40,245	202.26
Total and average	0	--	12,600	38.47	109,995	328.28	0	--	33,240	125.48	155,835	259.15
1991												
1st	0	--	4,050	20.44	32,350	213.37	0	--	3,750	40.30	40,150	182.48
2d	0	--	0	--	60	52.00	0	--	0	--	60	52.00
3d	0	--	10,875	239.74	18,435	485.18	0	--	0	--	29,310	396.79
4th	0	--	0	--	2,400	307.00	0	--	0	--	2,400	307.00
Total and average	0	--	14,925	180.23	53,245	311.52	0	--	3,750	40.30	71,290	273.86
1992												
1st	0	--	1,600	234.34	4,980	536.23	0	--	0	--	6,580	470.26
2d	0	--	0	--	1,800	515.50	0	--	0	--	1,800	515.50
3d	0	--	700	100.95	6,500	630.46	0	--	0	--	7,200	578.98
4th	0	--	3,660	463.35	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

**Table 16--Volume and average stumpage (sold) price of selected species, Ochoco National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	0	--	12,200	442.47	1,600	880.07	0	--	1,100	473.20	14,900	499.67
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	60	155.33	90	454.80	0	--	0	--	150	335.00
4th	0	--	0	--	407	170.60	0	--	0	--	407	170.60
Total and average	0	--	12,260	441.07	2,097	724.12	0	--	1,100	473.20	15,457	489.40
1994												
1st	0	--	0	--	285	315.91	0	--	1,000	421.00	1,285	396.14
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	0	--	0	--	200	237.25	0	--	120	177.62	500	140.43
Total and average	0	--	0	--	485	283.47	0	--	1,120	394.92	1,785	324.51
1995												
1st	0	--	755	83.99	230	294.05	0	--	1,745	78.99	2,730	113.23
2d	0	--	356	131.06	383	323.56	0	--	0	--	959	178.94
3d	0	--	393	91.89	292	203.22	0	--	400	95.73	1,085	131.16
4th	0	--	4,873	14.29	2,669	79.48	0	--	2,861	17.93	10,403	60.13
Total and average	0	--	6,377	33.84	3,574	129.56	0	--	5,006	45.43	15,177	82.24
1996												
1st	0	--	84	10.00	827	15.77	0	--	16	5.00	927	45.39
2d	0	--	50	10.00	795	13.98	0	--	259	119.60	2,587	32.32
3d	0	--	1,875	193.75	5,940	151.07	0	--	5,321	158.65	13,136	165.66
4th	0	--	1,235	82.27	6,553	86.31	0	--	3,707	72.20	14,159	74.24
Total and average	0	--	3,244	143.72	14,115	105.35	0	--	9,303	122.85	30,809	108.83

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 17--Volume and average stumpage (sold) price of selected species, Umatilla National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	3,100	36.21	8,300	70.95	0	--	1,300	31.21	18,600	42.53
2d	0	--	4,940	26.40	9,050	132.39	0	--	11,292	39.07	35,415	51.27
3d	0	--	12,800	15.18	11,800	119.15	0	--	20,560	14.52	63,770	31.13
4th	0	--	1,400	6.00	4,600	12.00	0	--	330	60.78	7,630	12.24
Total and average	0	--	22,240	20.03	33,750	96.24	0	--	33,482	23.90	125,415	37.36
1986												
1st	0	--	3,700	20.78	7,300	172.95	0	--	1,400	21.56	14,730	94.13
2d	0	--	3,000	17.07	4,620	83.10	0	--	20,150	19.78	44,220	30.13
3d	0	--	1,100	23.14	8,400	96.95	0	--	22,290	10.88	41,610	27.41
4th	0	--	4,000	30.11	4,200	86.14	0	--	1,920	19.33	19,520	32.58
Total and average	0	--	11,800	23.22	24,520	115.12	0	--	45,760	15.48	120,080	37.43
1987												
1st	0	--	13,290	30.38	8,720	198.75	0	--	12,420	18.96	55,840	49.32
2d	0	--	7,420	31.32	4,235	179.93	0	--	31,670	31.60	53,880	37.28
3d	0	--	3,700	13.96	2,200	55.03	0	--	3,625	21.32	23,025	12.61
4th	0	--	0	--	0	--	0	--	1,600	60.00	2,000	48.10
Total and average	0	--	24,410	28.18	15,155	172.63	0	--	49,315	28.58	134,745	38.22
1988												
1st	0	--	8,200	60.20	12,600	222.95	0	--	16,600	16.83	60,700	60.37
2d	0	--	2,700	83.21	2,700	376.23	0	--	14,300	63.30	33,900	82.03
3d	0	--	6,800	63.18	3,800	320.15	0	--	20,540	57.78	40,430	72.21
4th	0	--	0	--	1,500	188.00	0	--	1,400	36.21	3,300	101.06
Total and average	0	--	17,700	64.85	20,600	258.43	0	--	52,840	45.83	138,330	70.11
1989												
1st	0	--	9,300	90.11	7,800	381.31	0	--	7,850	96.61	42,310	132.12
2d	0	--	7,220	146.81	8,260	355.92	0	--	11,520	131.28	37,810	151.10
3d	0	--	13,310	252.02	9,370	301.45	0	--	21,820	104.79	58,300	148.23
4th	0	--	0	--	46	229.24	0	--	0	--	46	229.24
Total and average	0	--	29,830	176.08	25,476	343.43	0	--	41,190	110.64	138,466	144.12
1990												
1st	0	--	0	--	0	--	0	--	8,790	138.68	14,740	88.05
2d	0	--	13,200	244.69	6,300	262.60	0	--	14,200	53.64	39,400	143.91
3d	0	--	20,920	98.40	19,000	249.99	0	--	21,935	84.82	74,485	121.17
4th	0	--	3,063	123.67	1,121	643.97	0	--	1,646	22.96	10,270	80.95
Total and average	0	--	37,183	152.42	26,421	245.15	0	--	46,571	83.29	138,895	121.13
1991												
1st	0	--	630	78.55	280	87.18	0	--	15,490	94.87	21,900	72.08
2d	0	--	165	100.00	0	--	0	--	5,600	67.00	7,494	40.77
3d	0	--	5,610	213.05	4,480	450.74	0	--	6,180	158.25	18,800	227.09
4th	0	--	2,220	49.94	0	--	0	--	8,610	293.33	15,000	214.77
Total and average	0	--	8,625	159.08	4,760	429.35	0	--	35,880	149.06	63,194	148.35
1992												
1st	0	--	7,300	117.92	3,100	253.35	0	--	1,570	51.06	14,100	146.28
2d	0	--	1,566	159.26	149	228.87	0	--	0	--	2,294	124.34
3d	0	--	0	--	0	--	0	--	1,630	33.78	1,810	30.62
4th	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

**Table 17--Volume and average stumpage (sold) price of selected species, Umatilla National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	0	--	2,200	430.73	800	864.72	0	--	3,000	410.40	7,700	374.48
2d	0	--	0	--	0	--	0	--	133	295.00	163	241.07
3d	0	--	35	290.00	0	--	0	--	0	--	90	114.00
4th	0	--	0	--	0	--	0	--	185	280.00	248	230.01
Total and average	0	--	2,235	428.53	800	864.72	0	--	3,318	398.50	8,201	364.60
1994												
1st	0	--	0	--	0	--	0	--	100	292.46	500	125.00
2d	0	--	0	--	0	--	0	--	150	457.04	884	92.04
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	0	--	190	227.43	0	--	0	--	130	214.03	390	184.77
Total and average	0	--	190	227.43	0	--	0	--	380	330.59	1,774	121.71
1995												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	22	87.34	0	--	0	--	107	121.79	1,336	114.22
3d	0	--	1,182	68.65	38	30.56	0	--	3,192	54.46	6,729	100.41
4th	0	--	416	55.27	31	47.04	0	--	3,173	36.58	3,757	59.20
Total and average	0	--	1,620	65.46	69	37.97	0	--	6,472	46.80	11,822	88.87
1996												
1st	0	--	1,364	101.48	0	--	0	--	3,104	80.76	4,468	87.09
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	1,824	133.66	0	--	0	--	14,867	22.57	16,994	37.80
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	0	--	3,188	119.89	0	--	0	--	17,971	32.62	21,462	48.06

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 18--Volume and average stumpage (sold) price of selected species, Wallowa-Whitman National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	4,370	17.33	6,730	138.57	0	--	2,980	8.16	20,680	50.09
2d	0	--	6,160	15.72	4,440	117.16	0	--	6,700	10.71	54,210	15.25
3d	0	--	16,100	15.27	22,780	124.08	0	--	12,933	12.96	55,463	58.80
4th	0	--	4,020	16.23	6,740	173.97	0	--	1,380	5.16	14,615	86.19
Total and average	0	--	30,650	15.78	40,690	133.99	0	--	23,993	11.29	144,968	44.03
1986												
1st	0	--	4,725	33.32	7,700	37.90	0	--	4,270	32.34	25,235	24.51
2d	0	--	28,510	26.29	15,025	30.16	0	--	11,010	53.68	76,425	24.36
3d	0	--	25,415	16.63	18,901	77.73	0	--	12,670	9.05	66,416	31.73
4th	0	--	35,835	15.71	20,570	26.79	0	--	7,220	4.13	73,925	16.36
Total and average	0	--	94,485	20.03	62,196	44.46	0	--	35,170	24.84	242,001	23.95
1987												
1st	0	--	3,010	15.96	2,170	52.64	0	--	1,645	6.65	10,505	17.94
2d	0	--	13,920	26.90	9,398	90.42	0	--	15,460	23.65	66,813	27.24
3d	0	--	10,530	23.67	13,032	140.21	0	--	5,780	14.81	35,015	63.64
4th	0	--	3,520	38.78	5,500	194.67	0	--	1,400	31.51	10,820	115.66
Total and average	0	--	30,980	26.09	30,100	128.30	0	--	24,285	20.85	123,153	44.57
1988												
1st	0	--	7,940	46.92	7,565	300.81	0	--	6,925	76.55	24,780	129.34
2d	0	--	17,189	47.84	15,150	209.62	0	--	18,028	29.61	70,009	69.25
3d	0	--	8,265	52.55	5,850	205.29	0	--	6,180	24.83	47,335	47.62
4th	0	--	7,280	46.90	7,500	272.28	0	--	10,200	33.98	47,880	74.71
Total and average	0	--	40,674	48.45	36,065	241.07	0	--	41,333	37.84	190,004	73.08
1989												
1st	0	--	1,490	122.37	4,104	172.02	0	--	1,600	98.63	10,744	104.96
2d	0	--	7,390	80.16	1,540	159.63	0	--	3,810	118.12	38,540	98.75
3d	0	--	28,890	123.16	2,010	150.50	0	--	6,030	83.43	41,920	106.37
4th	0	--	9,840	63.50	16,460	227.92	0	--	10,050	56.44	41,290	126.36
Total and average	0	--	47,610	104.13	24,114	207.59	0	--	21,490	78.09	132,494	110.27
1990												
1st	0	--	11,110	66.03	400	69.26	0	--	2,200	62.56	19,200	78.33
2d	0	--	5,604	99.43	238	112.85	0	--	2,631	131.32	8,573	108.45
3d	0	--	21,770	54.87	18,220	181.37	0	--	27,910	45.97	88,645	74.33
4th	0	--	750	62.70	0	--	0	--	1,500	84.00	3,045	79.89
Total and average	0	--	39,224	64.54	18,858	178.13	0	--	34,241	55.26	119,461	77.56
1991												
1st	0	--	1,310	70.41	240	81.31	0	--	0	--	2,250	71.45
2d	0	--	200	109.28	100	122.93	0	--	70	85.04	370	108.38
3d	0	--	7,829	101.87	11,740	395.25	0	--	6,610	150.21	31,810	210.74
4th	0	--	3,530	106.86	10	281.81	0	--	0	--	3,890	97.87
Total and average	0	--	12,869	100.15	12,090	386.67	0	--	6,680	149.53	38,320	190.11
1992												
1st	0	--	600	11.00	0	--	0	--	0	--	600	11.00
2d	0	--	2,483	83.03	573	555.40	0	--	2,024	204.20	5,080	184.59
3d	0	--	3,535	119.86	1,610	436.93	0	--	2,780	115.10	10,350	163.88
4th	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



**Table 18--Volume and average stumpage (sold) price of selected species, Wallowa-Whitman National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	0	--	1,020	88.35	120	20.00	0	--	0	--	4,640	58.33
2d	0	--	0	--	52	403.00	0	--	0	--	52	403.00
3d	0	--	0	--	150	182.08	0	--	0	--	650	70.10
4th	0	--	0	--	5,200	143.88	0	--	0	--	5,200	143.88
Total and average	0	--	1,020	88.35	5,522	144.66	0	--	0	--	10,542	102.95
1994												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	770	225.53	0	--	0	--	4,652	108.71	5,422	121.03
4th	0	--	1,115	158.98	1,024	45.04	0	--	2,495	70.88	7,964	78.45
Total and average	0	--	1,885	186.17	1,024	45.04	0	--	7,147	95.50	13,386	95.70
1995												
1st	0	--	0	--	0	--	0	--	0	--	360	70.99
2d	0	--	400	128.98	0	--	0	--	920	78.29	1,570	213.22
3d	0	--	2,018	53.43	0	--	0	--	14	75.39	8,435	154.09
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	0	--	2,418	65.93	0	--	0	--	934	78.25	10,365	160.16
1996												
1st	0	--	55	51.12	0	--	0	--	480	44.30	614	82.95
2d	0	--	4,124	174.03	1,489	83.45	0	--	6,184	73.91	15,027	108.21
3d	0	--	6,011	226.75	1,721	33.74	0	--	5,238	169.72	14,598	170.30
4th	0	--	1,681	128.88	322	106.65	0	--	6,122	71.19	8,127	110.70
Total and average	0	--	11,871	193.76	3,532	61.34	0	--	18,024	100.04	38,366	131.96

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 19--Volume and average stumpage (sold) price of selected species, Winema National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	0	--	32,370	192.88	0	--	8,600	16.28	48,420	139.47
2d	0	--	1,800	18.08	25,550	153.99	0	--	8,800	102.40	37,550	129.68
3d	0	--	3,300	14.11	22,050	271.72	0	--	12,200	56.12	58,800	121.45
4th	0	--	190	49.95	10,800	237.10	0	--	480	91.96	12,470	209.73
Total and	0	--	5,290	16.75	90,770	206.35	0	--	30,080	58.84	157,240	135.97
1986												
1st	0	--	0	--	16,250	241.93	0	--	3,200	2.48	36,200	109.37
2d	0	--	0	--	39,920	217.00	0	--	6,760	26.26	61,650	144.65
3d	0	--	2,400	6.00	59,500	298.50	0	--	29,930	38.87	98,430	193.23
4th	0	--	0	--	23,850	303.73	0	--	1,500	98.07	32,750	226.05
Total and	0	--	2,400	6.00	139,520	269.48	0	--	41,390	36.14	229,030	171.60
1987												
1st	0	--	4,250	21.60	38,490	273.87	0	--	18,690	48.25	64,130	180.48
2d	0	--	2,700	96.17	36,070	282.14	0	--	16,600	67.46	59,670	194.13
3d	0	--	130	36.54	33,640	330.37	0	--	2,330	34.66	40,900	276.14
4th	0	--	2,200	89.27	42,060	281.08	0	--	2,340	113.16	53,050	232.64
Total and	0	--	9,280	59.55	150,260	290.52	0	--	39,960	59.24	217,750	214.90
1988												
1st	0	--	0	--	31,900	370.37	0	--	11,400	55.10	53,860	240.62
2d	0	--	2,455	48.02	18,070	297.12	0	--	9,795	132.69	44,070	157.18
3d	0	--	0	--	26,200	267.97	0	--	5,150	88.41	46,800	175.45
4th	0	--	0	--	34,450	369.49	0	--	1,900	86.77	42,980	302.11
Total and	0	--	2,455	48.02	110,620	333.88	0	--	28,245	90.21	187,710	218.86
1989												
1st	0	--	0	--	8,885	441.16	0	--	1,910	178.30	13,960	307.69
2d	0	--	1,300	130.62	9,550	438.17	0	--	2,050	62.47	18,615	311.28
3d	0	--	2,200	360.59	12,000	313.81	0	--	7,400	194.52	42,440	176.68
4th	0	--	3,500	141.29	1,100	169.34	0	--	8,600	304.38	13,200	249.89
Total and	0	--	7,000	208.23	31,535	382.31	0	--	19,960	226.74	88,215	236.77
1990												
1st	0	--	0	--	6,100	226.00	0	--	0	--	25,300	67.77
2d	0	--	2,300	430.00	2,850	329.78	0	--	3,160	254.34	38,840	112.78
3d	0	--	4,300	60.96	28,410	287.27	0	--	39,400	172.43	85,395	184.78
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and	0	--	6,600	189.57	37,360	280.51	0	--	42,560	178.51	149,535	146.28
1991												
1st	0	--	620	132.00	360	139.50	0	--	390	117.00	1,440	123.90
2d	0	--	0	--	5,505	283.08	0	--	45	125.99	7,390	258.19
3d	0	--	0	--	28,888	388.67	0	--	1,730	207.76	72,268	220.85
4th	0	--	0	--	897	152.86	0	--	0	--	3,555	40.06
Total and	0	--	620	132.00	35,650	363.91	0	--	2,165	189.71	84,653	214.87
1992												
1st	0	--	0	--	3,000	449.88	0	--	0	--	9,400	322.00
2d	0	--	0	--	0	--	0	--	0	--	3,810	6.83
3d	0	--	0	--	6,010	687.03	0	--	300	230.28	15,360	386.93
4th	0	--	0	--	36,100	755.35	0	--	3,400	557.50	78,300	422.04
Total and	0	--	66,646	163.90	45,110	725.93	0	--	3,700	530.96	106,870	393.39

**Table 19--Volume and average stumpage (sold) price of selected species, Winema National Forest, Pacific Northwest, <sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	0	--	0	--	56,905	549.39	0	--	800	300.39	60,960	534.49
2d	0	--	0	--	0	--	0	--	0	--	4,500	114.00
3d	0	--	800	326.84	0	--	0	--	2,000	313.50	2,800	318.21
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and	0	--	800	326.84	56,905	549.39	0	--	2,800	309.75	68,260	497.70
1994												
1st	0	--	0	--	3,650	432.39	0	--	300	218.06	6,500	367.11
2d	0	--	400	140.89	0	--	0	--	600	45.18	1,000	83.46
3d	0	--	0	--	460	162.51	0	--	0	--	810	236.58
4th	0	--	0	--	0	--	0	--	632	200.77	941	135.50
Total and	0	--	400	140.89	4,110	402.18	0	--	1,532	143.22	9,251	301.46
1995												
1st	0	--	234	277.31	1,448	67.01	0	--	674	156.24	3,870	192.72
2d	0	--	0	--	396	20.00	0	--	0	--	11,236	3.11
3d	0	--	0	--	9,861	82.34	0	--	2,735	151.32	17,744	164.33
4th	0	--	0	--	52	46.47	0	--	0	--	11,600	34.54
Total and	0	--	234	277.31	11,751	78.22	0	--	3,409	152.30	44,450	92.18
1996												
1st	0	--	0	--	3,663	82.73	0	--	310	43.00	13,034	42.36
2d	0	--	0	--	3,662	124.41	0	--	171	161.86	3,983	125.93
3d	0	--	0	--	2,231	126.12	0	--	3,097	173.41	8,243	124.84
4th	0	--	0	--	358	187.54	0	--	3,961	229.11	8,990	219.22
Total and	0	--	0	--	9,914	111.67	0	--	7,539	197.05	34,250	118.35

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 20--Volume and average stumpage (sold) price of selected species, National Forests of eastern Oregon, 1985-96<sup>a</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	29,230	15.95	172,730	138.99	0	--	33,790	16.79	291,600	94.12
2d	0	--	17,260	21.23	131,009	145.33	0	--	38,678	47.24	251,805	86.12
3d	0	--	52,686	16.61	149,622	169.14	0	--	61,321	22.06	334,165	84.46
4th	0	--	10,510	12.61	78,598	174.83	0	--	9,409	12.86	121,067	117.40
Total and average	0	--	109,686	16.78	531,959	154.33	0	--	143,198	27.01	998,637	91.69
1986												
1st	0	--	22,375	19.83	154,014	205.46	0	--	19,410	18.87	244,604	133.86
2d	0	--	49,440	21.60	196,113	159.52	0	--	73,193	30.21	408,316	87.84
3d	0	--	50,465	18.44	230,276	216.34	0	--	97,540	35.22	429,331	128.34
4th	0	--	51,042	16.25	168,457	203.33	0	--	19,860	18.54	299,569	122.05
Total and average	0	--	173,322	18.88	748,860	196.30	0	--	210,003	30.49	1,381,820	115.99
1987												
1st	0	--	37,490	30.40	178,526	249.82	0	--	56,292	32.46	325,719	148.11
2d	0	--	49,560	31.57	174,541	246.69	0	--	89,140	37.88	375,160	134.67
3d	0	--	32,155	33.45	148,286	263.36	0	--	35,105	34.04	273,477	152.84
4th	0	--	21,534	42.53	137,727	278.60	0	--	22,475	40.50	206,112	197.55
Total and average	0	--	140,739	33.37	639,080	258.31	0	--	203,012	36.00	1,180,468	153.57
1988												
1st	0	--	45,690	88.15	170,301	317.67	0	--	70,375	42.23	341,486	181.89
2d	0	--	43,457	55.62	147,292	287.39	0	--	70,723	55.76	328,771	152.20
3d	0	--	32,253	59.93	111,080	272.47	0	--	49,505	58.59	282,211	132.86
4th	0	--	21,447	46.21	141,395	290.81	0	--	39,063	44.80	259,770	180.59
Total and average	0	--	142,847	65.59	570,068	294.38	0	--	229,666	50.36	1,212,238	162.14
1989												
1st	0	--	26,520	81.54	119,134	301.80	0	--	36,000	120.66	225,754	199.61
2d	0	--	30,910	96.30	114,440	337.99	0	--	32,305	129.40	233,510	217.80
3d	0	--	54,572	155.65	148,593	340.32	0	--	59,190	102.63	340,805	202.16
4th	0	--	21,145	76.95	51,956	311.39	0	--	28,505	140.23	121,711	188.65
Total and average	0	--	133,147	114.61	434,123	325.67	0	--	156,000	119.21	921,780	203.72
1990												
1st	0	--	24,071	58.13	61,701	349.10	0	--	28,484	121.88	161,226	169.05
2d	0	--	32,249	176.25	87,718	309.96	0	--	38,614	102.50	209,347	186.01
3d	0	--	67,360	73.64	275,501	301.19	0	--	147,903	100.60	592,490	181.79
4th	0	--	4,668	103.26	60,855	204.06	0	--	42,306	56.38	124,082	135.01
Total and average	0	--	128,348	97.59	485,775	296.69	0	--	257,307	95.97	1,087,145	175.37
1991												
1st	0	--	7,210	44.16	55,170	218.56	0	--	57,130	73.69	165,830	121.49
2d	0	--	4,095	55.50	27,175	271.69	0	--	9,115	62.79	50,234	176.17
3d	0	--	31,014	185.80	103,417	398.84	0	--	22,566	158.61	276,386	220.58
4th	0	--	7,610	89.62	10,236	283.88	0	--	14,496	210.25	44,930	180.08
Total and average	0	--	49,929	140.00	195,998	324.46	0	--	103,307	110.44	537,380	182.46
1992												
1st	0	--	12,018	138.35	21,792	460.21	0	--	5,010	101.83	64,795	258.46
2d	0	--	8,239	140.29	22,214	491.60	0	--	15,901	206.49	56,134	294.08
3d	0	--	15,030	125.15	32,914	694.65	0	--	18,204	180.50	117,479	291.48
4th	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 20--Volume and average stumpage (sold) price of selected species, National Forests of eastern Oregon, 1985-96<sup>a</sup> (continued)**

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

Year and quarter	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
1993												
1st	0	--	22,440	446.49	90,492	570.29	0	--	34,952	316.37	166,719	452.94
2d	0	--	1,601	187.49	5,152	387.65	0	--	771	268.94	14,152	218.77
3d	0	--	895	313.90	3,316	406.72	0	--	3,030	279.87	8,189	306.67
4th	0	--	82	416.71	8,583	211.10	0	--	14,639	28.00	36,575	84.49
Total and average	0	--	25,018	425.08	107,543	572.83	0	--	53,392	234.55	225,635	373.22
1994												
1st	0	--	1,282	273.28	4,780	409.55	0	--	11,462	118.83	39,819	186.48
2d	0	--	840	228.04	2,735	125.22	0	--	2,364	229.02	11,473	105.81
3d	0	--	2,400	124.33	4,835	164.67	0	--	6,130	105.30	34,142	126.70
4th	0	--	2,315	171.29	6,807	149.05	0	--	6,129	185.44	24,773	126.75
Total and average	0	--	6,837	180.90	19,157	214.59	0	--	26,085	141.29	110,207	146.14
1995												
1st	0	--	1,649	91.40	3,506	84.35	0	--	3,634	79.89	13,937	107.42
2d	0	--	3,309	97.50	10,654	113.13	0	--	7,178	101.98	42,169	94.16
3d	0	--	3,683	62.15	21,300	95.14	0	--	15,460	64.59	77,310	146.39
4th	0	--	7,751	36.29	7,079	87.37	0	--	22,278	43.30	57,331	59.18
Total and average	0	--	16,392	60.00	42,539	97.46	0	--	48,550	61.49	190,747	105.79
1996												
1st	0	--	3,040	92.90	11,108	124.27	0	--	10,370	57.38	36,493	78.06
2d	0	--	4,372	169.25	7,212	108.71	0	--	11,838	64.32	33,003	91.34
3d	0	--	15,874	254.52	14,061	129.62	0	--	39,765	97.45	100,548	114.32
4th	0	--	8,035	90.75	20,186	91.20	0	--	42,095	83.21	107,361	83.26
Total and average	0	--	31,321	184.91	52,567	110.87	0	--	104,068	83.93	287,405	95.48

<sup>a</sup> Prices for individual sales may differ 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>b</sup> Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 21--Volume and average stumpage (sold) price of selected species, Colville National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	14,020	33.62	1,210	36.25	0	--	4,500	47.71	26,800	32.87
2d	0	--	530	13.96	0	--	0	--	300	8.96	8,750	81.20
3d	0	--	6,496	19.60	790	58.05	0	--	2,977	19.01	40,070	28.36
4th	0	--	738	23.30	131	196.06	0	--	326	23.06	1,285	45.99
Total and average	0	--	21,784	28.61	2,131	54.16	0	--	8,103	34.74	76,905	36.24
1986												
1st	0	--	3,820	58.35	300	20.86	0	--	1,770	24.81	7,902	40.22
2d	0	--	11,540	23.54	2,560	32.44	100	17.85	8,400	19.94	35,995	22.32
3d	0	--	27,333	40.29	3,734	72.92	1,900	13.06	1,288	20.79	51,791	34.09
4th	0	--	7,470	22.42	280	120.50	272	20.47	6,000	57.90	44,892	38.34
Total and average	0	--	50,163	35.15	6,874	57.51	2,272	14.16	17,458	33.54	140,580	32.78
1987												
1st	0	--	16,570	38.16	104	135.00	417	29.30	8,440	17.70	39,714	41.36
2d	0	--	6,157	38.71	910	144.06	260	10.38	2,548	27.98	18,710	55.70
3d	0	--	3,157	54.70	456	287.38	370	48.58	1,530	28.88	7,058	64.41
4th	0	--	15,819	33.83	1,140	173.99	0	--	8,727	30.53	35,292	45.10
Total and average	0	--	41,703	37.85	2,610	181.81	1,047	31.42	21,245	25.01	100,774	46.95
1988												
1st	4,600	58.71	9,800	85.33	1,120	233.06	0	--	2,900	92.76	34,720	86.85
2d	0	--	6,042	39.87	329	210.29	3,540	17.46	9,273	104.69	25,624	68.46
3d	0	--	8,340	72.98	0	--	0	--	3,600	39.54	20,455	62.05
4th	0	--	23,825	77.06	4,100	466.56	0	--	4,245	24.61	44,190	101.68
Total and average	4,600	58.71	48,007	73.36	5,549	404.24	3,540	17.46	20,018	74.26	124,989	84.26
1989												
1st	0	--	9,570	144.59	20	20.00	140	59.57	9,320	18.73	22,140	77.98
2d	0	--	16,333	143.32	337	157.81	0	--	4,425	74.99	27,400	103.18
3d	0	--	11,013	126.28	460	156.17	0	--	5,570	31.70	27,320	110.36
4th	0	--	3,490	112.09	700	149.56	0	--	1,131	55.42	6,098	107.31
Total and average	0	--	40,406	136.28	1,517	151.69	140	59.57	20,446	36.47	82,958	99.12
1990												
1st	0	--	18,530	89.19	2,550	87.56	1,300	126.00	6,205	30.36	53,360	88.84
2d	0	--	8,895	151.28	0	--	0	--	7,085	123.66	24,770	109.24
3d	0	--	11,140	103.47	1,200	62.48	0	--	4,280	41.28	37,795	87.54
4th	0	--	384	141.60	480	166.28	0	--	390	122.00	7,291	54.70
Total and average	0	--	38,949	107.97	4,230	89.38	1,300	126.00	17,960	71.76	123,216	90.52
1991												
1st	0	--	14,010	50.29	600	59.57	0	--	1,145	110.96	38,710	54.72
2d	0	--	16,760	80.04	200	726.08	470	6.67	400	62.21	27,390	94.80
3d	0	--	3,507	126.10	230	437.98	390	179.43	2,400	65.88	14,460	104.29
4th	0	--	240	183.67	0	--	0	--	0	--	240	183.67
Total and average	0	--	34,517	73.37	1,030	273.49	860	85.02	3,945	78.59	80,800	77.56
1992												
1st	0	--	3,700	174.48	0	--	0	--	0	--	6,100	163.34
2d	0	--	230	121.00	0	--	0	--	2,220	42.50	9,500	208.29
3d	0	--	620	322.21	90	246.14	0	--	0	--	710	312.57
4th	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

**Table 21--Volume and average stumpage (sold) price of selected species, Colville National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1993												
1st	0	--	0	--	0	--	0	--	0	--	3,100	199.42
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	30	273.02	0	--	0	--	0	--	2,785	297.03
4th	0	--	183	478.62	0	--	0	--	63	205.68	403	317.95
Total and average	0	--	213	449.66	0	--	0	--	63	205.68	6,288	250.25
1994												
1st	0	--	1,673	516.40	14	920.21	0	--	0	--	8,351	318.52
2d	0	--	7,002	432.52	14	488.57	0	--	1,540	353.49	25,666	281.93
3d	0	--	0	--	0	--	0	--	540	262.87	4,180	238.30
4th	0	--	0	--	0	--	0	--	0	--	243	155.47
Total and average	0	--	8,675	448.69	28	704.39	0	--	2,080	329.96	38,440	284.33
1995												
1st	0	--	1,140	365.65	0	--	0	--	0	--	5,410	160.07
2d	0	--	860	179.64	0	--	0	--	0	--	4,751	166.96
3d	0	--	5,103	85.78	593	143.33	0	--	782	31.22	7,246	161.37
4th	0	--	2,862	266.39	0	--	0	--	0	--	7,402	155.58
Total and average	0	--	9,965	177.77	593	143.33	0	--	782	31.22	24,809	160.43
1996												
1st	0	--	3,869	22.82	230	40.40	0	--	0	--	4,585	22.37
2d	0	--	13	271.37	0	--	0	--	0	--	13	271.38
3d	0	--	883	159.93	0	--	0	--	188	160.86	24,263	150.02
4th	0	--	12,501	239.84	3,660	314.21	0	--	3,140	183.43	19,475	286.40
Total and average	0	--	17,266	187.15	3,890	298.02	0	--	3,290	182.15	48,336	192.89

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 22--Volume and average stumpage (sold) price of selected species, Okanogan National Forest, Pacific Northwest Region, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	4,200	7.30	8,100	50.45	0	--	0	--	14,200	31.89
2d	0	--	2,683	16.85	500	47.83	0	--	0	--	3,183	21.72
3d	0	--	13,183	18.78	1,620	38.47	0	--	0	--	27,753	29.35
4th	0	--	8,200	24.85	5,200	71.62	0	--	0	--	13,800	43.04
Total and average	0	--	28,266	18.65	15,420	56.25	0	--	0	--	58,936	32.76
1986												
1st	0	--	15,088	56.96	5,275	44.74	0	--	0	--	20,363	53.80
2d	0	--	18,590	21.27	420	11.20	0	--	0	--	19,010	21.05
3d	0	--	8,929	8.91	7,363	54.38	0	--	0	--	16,866	30.54
4th	0	--	9,652	42.47	2,145	144.90	0	--	0	--	12,997	58.48
Total and average	0	--	52,259	33.38	15,203	62.61	0	--	0	--	69,236	40.02
1987												
1st	0	--	19,420	51.82	7,410	196.97	0	--	0	--	41,330	69.50
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	19,344	21.94	2,936	118.34	0	--	0	--	28,342	28.94
4th	0	--	0	--	0	--	0	--	0	--	574	61.11
Total and average	0	--	38,764	36.91	10,346	174.66	0	--	0	--	70,246	53.07
1988												
1st	0	--	26,950	79.95	4,660	188.93	0	--	0	--	34,380	90.01
2d	0	--	0	--	0	--	0	--	0	--	10,100	18.91
3d	0	--	23,450	95.74	10,815	236.91	0	--	0	--	37,360	131.63
4th	0	--	50	64.54	0	--	0	--	0	--	2,030	64.22
Total and average	0	--	50,450	87.28	15,475	222.46	0	--	0	--	83,870	99.36
1989												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	18,329	172.44	4,550	183.63	0	--	0	--	30,970	131.87
3d	0	--	18,466	203.44	3,717	210.32	0	--	0	--	37,162	155.29
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	0	--	36,795	188.00	8,267	195.63	0	--	0	--	68,132	144.65
1990												
1st	0	--	5,860	208.80	420	187.25	0	--	0	--	7,751	172.22
2d	0	--	5,078	115.63	2,092	205.45	0	--	0	--	17,910	144.97
3d	0	--	16,998	77.58	2,497	106.63	0	--	0	--	43,376	82.50
4th	0	--	90	185.00	0	--	0	--	0	--	5,350	52.15
Total and average	0	--	28,026	112.25	5,009	154.66	0	--	0	--	74,387	104.70
1991												
1st	0	--	4,719	92.79	340	30.97	0	--	0	--	6,609	71.96
2d	0	--	0	--	0	--	0	--	0	--	0	--
3d	0	--	4,575	44.66	3,640	292.36	0	--	0	--	8,215	168.43
4th	0	--	3,164	129.77	763	113.27	0	--	0	--	4,733	135.20
Total and average	0	--	12,458	84.50	4,743	244.81	0	--	0	--	19,557	127.79
1992												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	75	67.00	217	256.00	0	--	0	--	292	207.46
3d	0	--	10,075	181.06	3,492	373.52	0	--	0	--	13,703	228.95
4th	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



**Table 22--Volume and average stumpage (sold) price of selected species, Okanogan National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	0	--	2,762	332.76	484	330.42	0	--	85	287.67	5,060	319.61
2d	0	--	0	--	0	--	0	--	0	--	56	145.00
3d	0	--	349	355.00	85	210.91	0	--	0	--	1,009	203.88
4th	0	--	844	218.82	204	449.57	0	--	0	--	1,467	213.24
Total and average	0	--	3,955	310.41	773	348.72	0	--	85	287.67	7,592	282.38
1994												
1st	0	--	420	32.27	0	--	0	--	0	--	420	32.27
2d	0	--	2,080	452.60	0	--	0	--	0	--	2,390	424.70
3d	0	--	128	190.87	0	--	0	--	0	--	298	296.16
4th	0	--	872	426.67	0	--	0	--	0	--	3,225	289.88
Total and average	0	--	3,500	386.13	0	--	0	--	0	--	6,333	323.97
1995												
1st	0	--	2,419	318.54	77	200.95	0	--	0	--	5,504	253.10
2d	0	--	2,216	176.27	1,314	387.77	0	--	0	--	3,530	255.00
3d	0	--	1,947	264.42	205	177.23	0	--	0	--	2,665	250.84
4th	0	--	0	--	227	142.50	0	--	0	--	430	154.65
Total and average	0	--	6,582	254.63	1,823	325.66	0	--	0	--	12,129	249.67
1996												
1st	0	--	219	167.27	0	--	0	--	0	--	328	92.28
2d	0	--	2,381	220.11	54	388.11	0	--	0	--	3,940	248.87
3d	0	--	0	--	0	--	0	--	0	--	0	--
4th	0	--	449	239.43	562	20.00	0	--	0	--	1,266	60.07
Total and average	0	--	3,049	219.16	616	52.27	0	--	0	--	5,534	196.40

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 23--Volume and average stumpage (sold) price of selected species, Wenatchee National Forest, Pacific Northwest Region, <sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	25,718	23.39	10,890	99.88	6,100	6.86	11,652	31.72	57,160	38.39
2d	0	--	19,820	26.71	6,843	74.19	3,950	44.56	5,367	19.87	37,980	36.51
3d	0	--	12,960	42.27	2,350	14.34	4,519	45.68	2,749	4.50	24,678	33.85
4th	0	--	7,000	12.86	1,700	18.65	0	--	7,920	12.74	17,040	13.08
Total and average	0	--	65,498	27.00	21,783	76.24	14,569	29.12	27,688	21.29	136,858	33.90
1986												
1st	0	--	21,360	45.93	3,520	74.48	4,180	115.25	15,840	59.62	47,590	56.12
2d	0	--	21,920	61.76	4,250	57.93	11,850	66.62	7,600	18.61	51,030	51.47
3d	0	--	29,364	20.21	8,547	34.84	5,956	9.90	6,368	191.38	55,353	39.95
4th	0	--	16,264	10.58	9,320	24.53	0	--	7,792	16.17	39,052	14.49
Total and average	0	--	88,908	34.87	25,637	40.36	21,986	60.50	37,600	64.64	193,025	41.83
1987												
1st	0	--	17,267	47.50	11,823	178.21	170	100.00	13,110	59.41	51,370	74.72
2d	0	--	7,985	61.28	585	140.75	3,300	91.76	4,450	36.20	19,010	62.67
3d	0	--	23,880	34.41	8,100	167.02	0	--	14,880	29.28	52,890	52.53
4th	0	--	2,780	28.24	1,170	152.32	540	43.00	0	--	4,660	60.09
Total and average	0	--	51,912	42.64	21,678	171.62	4,010	85.54	32,440	42.41	127,930	63.22
1988												
1st	0	--	15,770	106.45	4,425	208.67	0	--	14,275	140.40	40,480	113.68
2d	0	--	24,087	88.01	4,760	167.36	13,230	141.96	6,028	85.63	59,279	99.42
3d	0	--	20,578	81.99	5,400	172.00	9,300	113.17	10,320	124.48	61,682	87.79
4th	0	--	5,230	118.91	0	--	1,100	124.00	0	--	7,515	102.18
Total and average	0	--	65,665	93.01	14,585	181.61	23,630	129.79	30,623	124.26	168,956	98.72
1989												
1st	0	--	12,455	96.13	4,555	177.27	0	--	5,680	61.83	27,940	97.23
2d	0	--	3,481	72.31	7,200	109.37	0	--	3,207	153.52	14,468	105.37
3d	0	--	11,985	88.71	8,600	76.44	350	130.00	24	179.00	23,185	80.12
4th	0	--	31,025	214.14	4,900	132.18	10,395	117.71	6,000	222.69	72,660	161.74
Total and average	0	--	58,946	155.33	25,255	114.83	10,746	118.11	14,911	146.47	138,253	129.12
1990												
1st	0	--	5,575	329.95	1,845	257.42	0	--	3,555	64.99	12,014	217.30
2d	0	--	14,724	245.05	2,400	209.13	4,900	24.15	6,400	86.02	32,921	150.74
3d	0	--	59,901	92.90	15,320	144.60	4,850	100.50	27,185	92.98	131,916	80.09
4th	0	--	220	33.50	0	--	0	--	0	--	220	33.50
Total and average	0	--	80,420	137.03	19,565	163.15	9,750	62.13	37,140	89.10	177,071	102.48
1991												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	407	282.62	0	--	0	--	640	254.96	1,177	237.49
3d	0	--	2,704	145.14	0	--	0	--	0	--	3,219	128.22
4th	0	--	920	176.71	2,250	72.16	800	207.90	2,410	208.21	7,510	115.30
Total and average	0	--	4,031	166.23	2,250	72.16	800	207.90	3,050	218.02	11,906	130.87
1992												
1st	0	--	0	--	0	--	0	--	60	85.59	60	85.59
2d	0	--	342	284.24	0	--	0	--	0	--	362	231.37
3d	0	--	2,030	105.31	0	--	0	--	2,200	81.16	5,030	78.78
4th	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

**Table 23--Volume and average stumpage (sold) price of selected species, Wenatchee National Forest, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1993												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	2,014	263.62	0	--	333	133.18	2,862	202.09
3d	0	--	2,303	128.23	0	--	0	--	1,380	55.12	4,120	90.72
4th	0	--	2,460	232.52	890	622.40	0	--	670	187.06	6,177	208.01
Total and average	0	--	4,763	182.10	2,904	373.58	0	--	2,383	103.12	13,159	170.00
1994												
1st	0	--	1,645	291.23	592	246.62	115	307.79	0	--	3,305	209.38
2d	0	--	1,328	400.68	10	275.90	0	--	0	--	1,383	390.59
3d	0	--	51	348.58	0	--	0	--	0	--	221	222.76
4th	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	0	--	3,024	340.27	602	247.10	115	307.79	0	--	4,909	261.03
1995												
1st	0	--	0	--	0	--	0	--	0	--	0	--
2d	0	--	0	--	0	--	0	--	0	--	9	230.67
3d	0	--	33,866	16.39	16,077	22.10	107	178.63	1,442	78.14	52,554	36.48
4th	0	--	23,933	13.56	29,468	5.92	0	--	3,758	69.59	36,123	19.09
Total and average	0	--	57,799	15.22	45,545	11.63	107	178.63	5,200	71.96	88,686	29.42
1996												
1st	0	--	17,035	33.08	12,636	25.25	0	--	0	--	32,069	38.11
2d	0	--	6,652	49.33	1,431	33.39	0	--	2,127	61.50	11,384	53.08
3d	0	--	4,723	58.79	0	--	0	--	0	--	8,178	34.80
4th	0	--	1,682	16.82	1,545	25.53	0	--	96	242.97	3,747	71.69
Total and average	0	--	30,092	39.80	15,612	26.02	0	--	2,223	69.34	55,378	42.97

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 24--Volume and average stumpage (sold) price of selected species, National Forests of eastern Washington, 1985-96<sup>a</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	43,938	25.11	20,200	76.25	6,100	6.86	16,152	36.17	98,160	35.95
2d	0	--	23,033	25.27	7,343	72.39	3,950	44.56	5,667	19.29	49,913	43.40
3d	0	--	32,639	28.27	4,760	29.81	4,519	45.68	5,726	12.05	92,501	30.12
4th	0	--	15,938	19.51	7,031	61.13	0	--	8,246	13.15	32,125	27.27
Total and average	0	--	115,548	25.26	39,334	67.21	14,569	29.12	35,791	24.34	272,699	34.31
1986												
1st	0	--	40,268	51.24	9,095	55.46	4,180	115.25	17,610	56.12	75,855	53.84
2d	0	--	52,050	39.82	7,230	46.19	11,950	66.21	16,000	19.31	106,035	36.12
3d	0	--	65,626	27.04	19,644	49.40	7,856	10.67	7,656	162.68	124,010	36.22
4th	0	--	33,386	22.45	11,745	48.80	272	20.47	13,792	34.32	96,941	31.44
Total and average	0	--	191,330	34.54	47,714	49.92	24,258	56.16	55,058	54.78	402,841	38.36
1987												
1st	0	--	53,257	46.17	19,337	185.16	587	49.78	21,550	43.07	132,414	63.09
2d	0	--	14,142	51.45	1,495	142.76	3,560	85.82	6,998	33.20	37,720	59.21
3d	0	--	46,381	30.59	11,492	159.36	370	48.58	16,410	29.24	88,290	45.91
4th	0	--	18,599	33.00	2,310	163.02	540	43.00	8,727	30.53	40,526	47.05
Total and average	0	--	132,379	39.45	34,634	173.29	5,057	74.34	53,684	35.52	298,950	55.35
1988												
1st	4,600	58.71	52,520	88.91	10,205	202.33	0	--	17,175	132.36	109,580	97.75
2d	0	--	30,129	78.36	5,089	170.13	16,770	115.68	15,301	97.18	95,003	82.51
3d	0	--	52,368	86.71	16,215	215.29	9,300	113.17	13,920	102.51	119,497	97.09
4th	0	--	29,105	84.56	4,100	466.56	110	124.00	4,245	24.61	53,735	100.33
Total and average	4,600	58.71	164,122	85.50	35,609	234.05	27,170	115.16	50,641	104.49	377,815	94.08
1989												
1st	0	--	22,025	117.19	4,575	176.59	140	59.57	15,000	35.05	50,080	88.72
2d	0	--	38,143	150.83	12,087	138.67	0	--	7,632	107.99	72,838	115.82
3d	0	--	41,464	149.78	12,777	118.25	350	130.00	5,594	32.34	87,667	121.41
4th	0	--	34,515	203.82	5,600	134.35	10,395	117.71	7,131	196.16	78,758	157.53
Total and average	0	--	136,147	158.50	35,039	135.49	10,885	117.36	35,357	82.86	289,343	124.17
1990												
1st	0	--	29,965	157.37	4,815	161.34	1,300	126.00	9,760	42.97	73,125	118.79
2d	0	--	28,697	193.08	4,492	207.42	4,900	24.15	13,485	105.79	75,601	135.78
3d	0	--	88,039	91.28	19,017	134.43	4,850	100.50	31,465	85.95	213,087	81.90
4th	0	--	694	112.96	480	166.28	0	--	390	122.00	12,861	53.27
Total and average	0	--	147,395	124.64	28,804	150.84	11,050	69.64	55,100	83.45	374,674	98.99
1991												
1st	0	--	18,729	61.00	940	49.23	0	--	1,145	110.96	45,319	57.24
2d	0	--	17,167	84.84	200	726.08	470	6.67	1,040	180.82	28,567	100.68
3d	0	--	10,786	96.33	3,870	301.01	390	179.43	2,400	65.88	25,894	127.61
4th	0	--	4,324	142.75	3,013	82.57	800	207.90	2,410	208.21	12,483	124.16
Total and average	0	--	51,006	83.42	8,023	200.07	1,660	144.24	6,995	139.39	112,263	91.97
1992												
1st	0	--	3,700	174.48	0	--	0	--	60	85.59	6,160	162.58
2d	0	--	647	201.03	217	256.00	0	--	2,220	42.50	10,154	209.09
3d	0	--	12,725	175.86	3,582	370.32	0	--	2,200	81.16	19,443	193.15
4th	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

**Table 24--Volume and average stumpage (sold) price of selected species, National Forests of eastern Washington, 1985-96<sup>a</sup>(continued)**

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

Year and quarter	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
1993												
1st	0	--	2,762	332.76	484	330.42	0	--	85	287.67	8,160	273.95
2d	0	--	0	--	2,014	263.62	0	--	333	133.18	2,918	200.99
3d	0	--	2,682	159.36	85	210.91	0	--	1,380	55.12	7,914	177.75
4th	0	--	3,487	242.12	1,094	590.17	0	--	733	188.66	8,047	214.47
Total and average	0	--	8,931	245.30	3,677	368.35	0	--	2,531	111.88	27,039	220.22
1994												
1st	0	--	3,738	362.91	606	262.18	115	307.79	0	--	12,076	278.69
2d	0	--	10,410	432.47	24	399.96	0	--	1,540	353.49	29,439	298.62
3d	0	--	179	235.81	0	--	0	--	540	262.87	4,699	241.24
4th	0	--	872	426.67	0	--	0	--	0	--	3,468	280.46
Total and average	0	--	15,199	412.71	630	267.43	115	307.79	2,080	329.96	49,682	287.08
1995												
1st	0	--	3,559	333.63	77	200.95	0	--	0	--	10,914	206.99
2d	0	--	3,076	177.21	1,314	387.77	0	--	0	--	8,290	204.52
3d	0	--	40,916	36.85	16,875	28.24	107	178.63	2,224	61.64	62,465	60.12
4th	0	--	26,795	40.57	29,695	6.96	0	--	3,758	69.59	43,955	43.40
Total and average	0	--	74,346	58.20	47,961	25.19	107	178.63	5,982	66.63	125,624	76.56
1996												
1st	0	--	21,123	32.59	12,866	25.52	0	--	0	--	36,982	36.63
2d	0	--	9,046	94.60	1,485	46.29	0	--	2,127	61.50	15,337	103.56
3d	0	--	5,606	74.72	0	--	0	--	186	160.86	32,441	120.97
4th	0	--	14,632	214.19	5,767	208.20	0	--	3,200	185.21	24,488	241.84
Total and average	0	--	50,407	101.12	20,118	79.42	0	--	5,513	136.66	109,248	117.07

<sup>a</sup> Prices for individual sales may differ 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>b</sup> Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 25--Volume and average stumpage (sold) price of selected species, National Forests of eastern Oregon and eastern Washington, 1985-96<sup>a</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	0	--	73,168	21.45	192,930	132.42	6,100	6.86	49,942	23.06	389,760	79.47
2d	0	--	40,293	23.54	138,352	141.46	3,950	44.56	44,345	43.67	301,718	79.05
3d	0	--	85,325	21.07	154,382	164.84	4,519	45.68	67,047	21.20	426,666	72.68
4th	0	--	26,448	16.77	85,629	165.50	0	--	17,655	13.00	153,192	98.50
Total and average	0	--	225,234	21.13	571,293	148.33	14,569	29.12	178,989	26.48	1,271,336	79.38
1986												
1st	0	--	62,643	40.02	163,109	197.10	4,180	115.25	37,020	36.59	320,459	114.93
2d	0	--	101,490	30.95	203,343	155.49	11,950	66.21	89,193	28.25	514,351	77.18
3d	0	--	116,091	23.30	249,920	203.22	7,856	10.67	105,196	44.49	553,341	107.69
4th	0	--	84,428	18.70	180,202	193.26	272	20.47	33,652	25.01	396,510	99.90
Total and average	0	--	364,652	27.09	783,560	190.64	24,258	56.16	265,061	35.54	1,784,661	98.46
1987												
1st	0	--	90,747	39.66	197,863	243.50	587	49.78	77,842	35.40	458,133	123.53
2d	0	--	63,702	35.99	176,036	245.81	3,560	85.82	96,138	37.54	412,880	127.78
3d	0	--	78,536	31.76	159,778	255.88	370	48.58	51,515	32.51	361,767	126.74
4th	0	--	40,133	38.11	140,037	276.70	540	43.00	31,202	37.71	246,638	172.82
Total and average	0	--	273,028	36.32	673,714	253.94	5,057	74.34	256,697	35.90	1,479,418	133.72
1988												
1st	4,600	58.71	98,210	88.56	180,506	311.15	0	--	87,550	59.91	451,066	161.45
2d	0	--	73,586	64.93	152,381	283.48	16,770	115.68	86,024	63.13	423,774	136.58
3d	0	--	84,621	76.50	127,295	265.19	9,300	113.17	63,425	68.23	401,708	122.22
4th	0	--	50,552	68.29	145,495	295.76	1,100	124.00	43,308	42.82	313,505	166.83
Total and average	4,600	58.71	306,969	76.23	605,677	290.83	27,170	115.16	280,307	60.14	1,590,053	145.97
1989												
1st	0	--	48,545	97.71	123,709	297.17	140	59.57	51,000	95.48	275,834	179.48
2d	0	--	69,053	126.42	126,527	318.95	0	--	39,937	125.31	306,348	193.55
3d	0	--	96,036	153.11	161,370	322.74	350	130.00	64,784	96.56	428,472	185.64
4th	0	--	55,660	155.62	57,556	294.16	10,395	117.71	35,636	151.42	200,469	176.42
Total and average	0	--	269,294	136.80	469,162	311.47	10,885	117.36	191,357	112.49	1,211,123	184.71
1990												
1st	0	--	54,036	113.16	66,516	335.51	1,300	126.00	38,244	101.74	234,351	153.37
2d	0	--	60,946	184.18	92,210	304.96	4,900	24.15	52,099	103.35	284,948	172.68
3d	0	--	155,399	83.63	294,518	290.42	4,850	100.50	179,368	98.03	805,577	155.36
4th	0	--	5,362	104.51	61,335	203.76	0	--	42,696	56.98	136,943	127.33
Total and average	0	--	275,743	112.05	514,579	288.53	11,050	69.64	312,407	93.76	1,461,819	155.79
1991												
1st	0	--	25,939	56.32	56,110	215.72	0	--	58,275	74.42	211,149	107.70
2d	0	--	21,262	79.19	27,375	275.01	470	6.67	10,155	74.88	78,801	148.80
3d	0	--	41,800	162.71	107,287	395.31	390	179.43	24,966	149.69	302,280	212.61
4th	0	--	11,934	108.87	13,249	238.10	800	207.90	16,906	209.96	57,413	167.92
Total and average	0	--	100,935	111.41	204,021	319.57	1,660	144.24	110,302	112.27	649,643	166.82
1992												
1st	0	--	15,718	146.86	21,792	460.21	0	--	5,070	101.64	70,955	250.14
2d	0	--	8,886	144.72	22,431	489.32	0	--	18,121	186.40	66,288	281.06
3d	0	--	27,755	148.40	36,496	662.81	0	--	20,404	169.79	136,922	277.51
4th	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

**Table 25--Volume and average stumpage (sold) price of selected species, National Forests of eastern Oregon and eastern Washington, 1985-96<sup>a</sup> (continued)**

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

Year and quarter	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
1993												
1st	0	--	25,202	434.03	90,976	569.01	0	--	35,037	316.30	174,879	444.59
2d	0	--	1,601	187.49	7,166	352.79	0	--	1,104	227.99	17,070	215.73
3d	0	--	3,577	198.03	3,401	401.82	0	--	4,410	209.54	16,103	243.31
4th	0	--	3,569	246.13	9,677	253.95	0	--	15,372	35.66	44,622	107.93
Total and average	0	--	33,949	377.78	111,220	522.56	0	--	55,923	229.00	252,674	356.85
1994												
1st	0	--	5,020	340.02	5,386	392.97	115	307.79	11,462	118.83	51,895	207.94
2d	0	--	11,259	417.20	2,759	127.61	0	--	3,904	278.12	40,912	244.55
3d	0	--	2,579	132.07	4,835	164.67	0	--	6,670	118.05	38,841	140.56
4th	0	--	3,187	241.17	6,807	149.05	0	--	6,129	185.44	28,241	145.63
Total and average	0	--	22,036	340.79	19,787	216.27	115	307.79	28,165	155.22	159,889	189.93
1995												
1st	0	--	5,208	256.94	3,583	86.85	0	--	3,634	79.89	24,851	151.15
2d	0	--	6,385	135.90	11,968	143.29	0	--	7,178	101.98	50,459	112.29
3d	0	--	44,599	38.94	38,175	65.57	107	178.63	17,684	64.22	139,775	107.83
4th	0	--	34,546	39.61	36,774	22.44	0	--	26,036	47.10	101,286	52.33
Total and average	0	--	90,738	58.53	90,500	59.16	107	178.63	54,532	62.06	316,371	94.18
1996												
1st	0	--	24,163	40.18	23,974	71.28	0	--	10,370	57.38	73,475	57.21
2d	0	--	13,418	118.92	8,697	98.05	0	--	13,965	63.89	48,340	95.22
3d	0	--	21,480	207.59	14,061	129.62	0	--	39,951	97.75	142,989	115.83
4th	0	--	22,667	170.43	25,953	117.20	0	--	45,295	90.42	131,849	241.84
Total and average	0	--	81,728	133.23	72,685	102.16	0	--	109,581	86.58	396,653	101.42

<sup>a</sup> Prices for individual sales may differ 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>b</sup> Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 26--Volume and average stumpage (sold) price of selected species, all National Forests, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>c</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	531,429	106.22	81,528	31.13	193,920	132.05	172,849	38.34	91,852	30.82	1,345,442	80.12
2d	294,883	104.83	40,293	23.54	142,566	141.64	125,050	41.11	103,783	50.84	922,121	75.78
3d	482,802	106.14	94,585	24.98	158,317	162.39	125,108	30.41	137,947	24.49	1,314,034	74.74
4th	178,331	120.02	33,948	28.25	88,579	168.69	29,870	49.86	56,280	28.56	461,475	93.93
Total and average	1,487,445	107.57	250,354	27.20	583,382	148.19	453,417	37.63	389,862	33.58	4,043,072	78.96
1986												
1st	413,114	138.72	66,543	42.17	164,559	196.32	140,078	57.94	80,800	43.52	1,090,903	101.81
2d	497,832	158.52	106,850	32.78	210,337	154.88	171,076	71.98	146,073	45.63	1,389,370	105.22
3d	708,164	143.84	143,501	38.71	259,620	201.27	241,469	56.85	154,552	47.60	1,793,970	107.66
4th	422,162	152.65	84,608	18.69	180,202	193.26	121,139	74.16	66,163	35.04	1,103,153	111.99
Total and average	2,041,272	148.21	401,502	33.36	814,718	189.55	673,762	64.03	447,588	44.61	5,377,396	106.73
1987												
1st	544,658	165.97	97,647	39.53	202,813	242.21	92,357	69.77	115,914	52.00	1,340,460	128.80
2d	588,089	163.81	70,262	42.07	180,616	244.74	180,227	87.44	147,573	50.39	1,449,934	125.85
3d	420,760	179.95	81,736	35.51	162,826	254.62	123,650	105.54	104,680	65.28	1,134,041	136.09
4th	275,358	209.30	40,133	38.11	141,527	277.07	74,595	138.09	71,257	69.56	735,089	166.33
Total and average	1,828,865	175.02	289,688	38.83	687,782	252.99	470,829	96.75	439,424	57.47	4,659,524	135.58
1988												
1st	437,175	231.80	107,660	88.59	183,766	309.17	85,003	128.65	137,220	81.34	1,174,756	174.09
2d	655,992	254.25	76,786	63.65	160,511	274.47	170,733	151.63	175,009	103.55	1,557,311	178.22
3d	537,149	215.62	87,421	75.55	130,750	263.61	133,821	133.92	108,451	79.26	1,245,722	165.12
4th	236,154	254.08	51,322	68.32	146,145	295.30	49,000	172.43	72,544	83.88	711,474	191.58
Total and average	1,866,470	237.85	323,189	75.92	621,172	287.35	438,557	144.10	493,224	89.14	4,689,263	175.73
1989												
1st	314,386	342.39	69,345	173.68	125,169	295.91	92,260	170.38	64,660	104.69	837,605	232.93
2d	76,144	341.53	69,053	126.42	126,527	318.95	12,106	108.47	47,520	124.93	418,797	213.26
3d	141,146	417.20	96,066	153.15	161,370	322.74	14,387	108.40	68,694	98.95	636,785	226.43
4th	532,968	539.31	71,600	192.88	64,726	286.93	123,197	252.12	99,532	258.36	1,118,240	369.87
Total and average	1,064,644	450.82	306,064	161.07	477,792	309.85	241,950	205.22	280,406	161.26	3,011,427	279.67
1990												
1st	165,095	473.83	54,036	113.16	66,516	335.51	22,562	192.48	58,729	155.86	482,455	263.84
2d	311,015	476.71	63,866	179.18	95,740	309.21	61,510	202.11	71,168	130.43	750,219	302.96
3d	1,396,071	386.85	171,154	101.84	303,978	287.11	310,205	159.90	322,380	136.73	3,059,321	260.77
4th	5,906	257.13	5,662	104.96	62,515	203.03	2,775	195.74	43,206	56.79	148,444	133.17
Total and average	1,878,087	408.97	294,718	120.74	528,749	287.26	397,052	168.54	495,483	131.12	4,440,439	263.97
1991												
1st	3,342	359.55	25,939	56.32	56,410	215.60	536	430.17	58,275	74.42	216,749	112.50
2d	1,189	233.63	21,262	79.19	27,375	275.01	576	23.34	12,675	85.27	83,261	149.90
3d	93,024	461.72	43,510	165.34	107,287	395.31	33,288	106.66	34,339	156.54	469,065	248.51
4th	13,123	333.71	11,997	109.51	13,539	238.56	2,930	169.23	17,756	208.54	75,223	197.71
Total and average	110,678	441.01	102,708	113.45	204,611	319.30	37,330	114.93	123,405	117.81	844,298	199.34
1992												
1st	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	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	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	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



**Table 26--Volume and average stumpage (sold) price of selected species, all National Forests, Pacific Northwest Region,<sup>a</sup> 1985-96<sup>b</sup> (continued)**

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

Year and quarter	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								
1993												
1st	7,562	696.34	25,202	434.03	90,976	569.01	805	371.18	35,236	316.12	185,059	451.62
2d	16,337	569.63	1,627	187.97	7,166	352.79	3,385	347.14	3,061	347.43	41,991	367.85
3d	32,619	538.77	6,496	295.32	3,601	398.16	1,301	288.37	7,345	284.88	61,435	428.79
4th	25,013	430.57	3,569	246.13	9,677	253.95	5,200	203.44	16,082	45.18	80,161	224.05
Total and average	81,531	526.37	36,894	380.58	111,420	522.22	10,691	271.91	61,724	243.36	368,646	388.79
1994												
1st	21,705	509.93	6,102	388.29	5,526	393.93	3,560	248.57	13,663	170.06	82,697	299.72
2d	11,649	1,022.53	11,250	417.20	3,229	194.57	2,305	623.05	5,359	404.21	59,653	437.74
3d	9,458	881.09	2,579	132.07	4,835	164.67	984	428.60	6,730	126.76	56,511	307.27
4th	10,249	409.56	3,187	241.17	6,807	149.05	2,557	434.08	7,609	242.43	44,151	236.29
Total and average	53,061	669.24	23,118	353.49	20,397	226.30	9,406	409.60	33,361	215.45	243,012	323.83
1995												
1st	3,741	365.93	5,208	256.94	3,583	86.85	4,200	303.45	3,734	85.37	33,074	195.92
2d	5,462	573.54	6,385	135.90	12,118	150.14	149	251.38	7,958	136.47	66,027	171.76
3d	74,338	243.62	47,996	42.44	38,237	65.93	8,492	193.75	25,274	105.56	248,618	230.71
4th	57,797	316.54	37,053	55.29	36,774	22.44	9,066	122.28	34,060	127.90	182,740	180.41
Total and average	141,338	289.43	96,642	65.10	90,712	60.38	21,907	185.59	71,026	118.67	524,459	204.24
1996												
1st	9,818	548.95	26,897	38.74	24,307	80.51	1,574	241.09	16,122	70.29	86,198	114.83
2d	26,318	333.36	16,290	113.68	9,155	113.84	845	118.92	15,782	75.12	84,555	181.16
3d	100,863	334.00	21,480	207.59	15,703	120.70	13,957	220.13	44,202	99.57	267,759	221.65
4th	135,135	415.61	36,133	137.65	27,115	115.97	22,442	237.31	76,850	100.87	351,409	253.19
Total and average	272,134	382.22	100,800	122.28	76,280	105.39	38,818	228.71	152,956	94.61	799,918	218.38

<sup>a</sup> Pacific Northwest Region includes Oregon and Washington and a small portion of northern California.

<sup>b</sup> Prices for individual sales may differ 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: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 27--Volume and average stumpage (sold) price of selected species, National Forests in Oregon, 1985-96<sup>a</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	453,608	111.14	37,590	38.17	173,720	138.54	68,500	38.96	63,750	30.47	1,015,205	90.68
2d	226,430	98.72	17,260	21.23	135,223	145.40	31,040	29.17	64,676	52.45	643,387	80.87
3d	428,754	109.58	61,946	23.25	153,157	166.58	78,138	29.68	88,651	24.76	1,051,660	81.51
4th	142,046	113.66	18,010	35.98	81,548	177.96	19,820	37.57	22,274	26.46	340,265	103.07
Total and average	1,250,838	108.64	134,806	28.85	543,648	154.06	197,498	33.61	239,351	33.92	3,050,517	86.83
1986												
1st	360,844	138.16	26,275	28.27	155,464	204.56	55,168	54.65	35,630	21.48	812,003	112.04
2d	399,287	165.52	54,800	26.08	203,107	158.75	84,416	66.01	107,143	35.37	1,045,849	113.88
3d	577,776	148.70	77,875	48.55	239,976	213.70	82,468	46.93	126,160	36.31	1,308,779	121.96
4th	301,930	155.00	51,222	16.25	168,457	203.33	41,990	51.26	38,540	37.19	754,109	123.56
Total and average	1,639,837	151.64	207,952	32.64	767,004	195.02	264,042	55.33	307,473	34.43	3,920,740	118.06
1987												
1st	493,708	170.37	44,390	31.56	183,476	248.22	57,110	59.57	85,040	48.46	1,090,240	140.21
2d	448,957	172.78	56,120	39.71	179,121	245.60	44,375	83.98	109,430	42.80	1,047,311	136.25
3d	353,410	178.86	35,355	41.95	151,334	261.89	48,270	95.66	61,190	42.63	822,181	146.80
4th	225,684	209.89	21,534	42.53	139,217	278.97	33,550	173.13	43,099	44.19	561,998	180.41
Total and average	1,521,759	178.91	157,399	38.30	653,148	257.21	183,305	95.77	298,759	44.58	3,521,730	146.99
1988												
1st	363,805	239.04	55,140	88.29	173,561	315.45	41,023	114.36	96,975	47.42	897,388	186.23
2d	517,937	265.18	46,657	54.16	155,422	277.89	67,138	125.44	109,373	71.73	1,120,623	188.29
3d	452,353	208.74	35,053	58.88	114,535	270.45	49,876	115.42	67,671	56.62	889,753	172.52
4th	194,465	268.20	22,217	47.03	142,045	290.36	29,600	173.43	55,323	64.51	572,064	202.50
Total and average	1,528,560	242.64	159,067	66.03	585,563	290.59	187,637	127.92	329,342	60.26	3,479,828	186.06
1989												
1st	254,846	345.31	47,320	199.97	120,594	300.43	41,800	118.45	46,820	119.55	653,670	242.64
2d	56,512	352.06	30,910	96.30	114,440	337.99	5,496	128.55	36,585	122.21	309,574	236.61
3d	130,375	442.70	54,602	155.71	148,593	340.32	10,815	69.62	59,350	103.03	527,997	247.83
4th	421,189	570.62	37,085	182.70	59,126	301.38	61,230	262.42	54,606	203.33	794,890	405.37
Total and average	862,922	470.44	169,917	163.12	442,753	323.65	119,341	188.36	197,361	138.25	2,286,131	299.60
1990												
1st	137,727	495.81	24,071	58.13	61,701	349.10	9,627	110.82	32,854	141.04	342,340	294.28
2d	266,528	502.30	35,169	167.83	91,248	314.22	39,090	194.66	53,483	126.28	594,988	329.64
3d	1,069,980	406.49	83,115	113.03	284,961	297.30	126,750	134.29	210,420	125.31	2,169,364	285.84
4th	5,586	261.08	4,968	103.85	62,035	203.31	2,710	198.24	42,716	56.27	135,018	140.80
Total and average	1,479,821	431.51	147,323	116.83	499,945	295.12	178,177	147.24	339,473	118.30	3,241,710	288.73
1991												
1st	1,642	416.34	7,210	44.16	55,470	218.42	0	--	57,130	73.69	168,873	124.54
2d	228	371.28	4,095	55.50	27,175	271.69	0	--	11,515	75.13	53,397	175.44
3d	74,557	530.09	32,724	188.08	103,417	398.84	25,211	114.04	28,569	160.43	411,707	263.03
4th	7,295	447.34	7,673	90.77	10,526	283.21	170	2.00	15,346	208.59	54,522	217.25
Total and average	83,722	520.21	51,702	143.07	196,588	324.16	25,381	113.28	112,560	114.24	688,499	218.64
1992												
1st	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	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	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	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	567.92	70,762	169.62	140,114	575.78	9,220	332.32	66,316	201.97	496,298	303.39

**Table 27--Volume and average stumpage (sold) price of selected species, National Forests in Oregon, 1985-96<sup>a</sup> (continued)**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1993												
1st	6,682	695.51	22,440	446.49	90,492	570.29	80	234.10	35,151	316.19	174,809	460.06
2d	6,227	839.28	1,627	187.97	5,152	387.65	995	450.74	2,173	392.37	24,918	394.29
3d	31,109	522.61	3,814	390.93	3,516	402.69	1,301	288.37	5,965	338.03	52,011	454.13
4th	19,326	466.37	82	416.71	8,583	211.10	2,138	288.72	15,349	38.33	62,654	218.29
Total and average	63,344	554.82	27,963	423.79	107,743	527.47	4,514	323.36	58,638	248.50	314,392	405.69
1994												
1st	19,948	520.76	2,364	428.41	4,920	410.16	1,265	250.16	13,663	170.06	66,684	303.04
2d	11,454	1,029.87	840	228.04	3,205	193.03	2,000	672.89	3,819	424.66	29,669	576.40
3d	8,202	920.43	2,400	124.33	4,835	164.67	610	473.92	6,190	114.89	50,137	304.46
4th	6,840	308.29	2,315	171.29	6,807	149.05	23	84.30	6,179	186.37	33,308	167.38
Total and average	46,444	685.60	7,919	239.83	19,767	224.99	3,898	501.09	29,851	194.57	179,798	323.41
1995												
1st	3,741	365.93	1,649	91.40	3,506	84.35	4,200	303.45	3,734	85.37	22,160	190.47
2d	5,396	572.75	3,309	97.50	10,804	121.24	0	--	7,958	136.47	51,504	165.61
3d	69,919	250.34	7,080	74.79	21,362	95.71	4,070	93.96	22,978	109.62	177,174	289.04
4th	38,703	290.05	10,258	93.74	7,079	87.37	5,090	77.55	25,607	97.13	110,008	193.85
Total and average	117,753	281.82	22,296	88.11	42,751	99.85	13,360	153.57	60,277	106.36	360,846	236.35
1995												
1st	5,851	474.12	5,774	61.21	11,441	142.36	29	286.06	15,587	60.33	53,157	122.15
2d	25,146	335.69	7,244	137.45	7,670	126.92	303	65.26	13,655	77.25	66,470	199.58
3d	89,430	334.27	15,874	254.52	15,703	120.70	11,026	215.53	44,016	99.31	220,933	230.27
4th	107,059	418.13	21,501	85.56	21,348	91.06	16,521	221.02	72,301	94.21	291,184	238.76
Total and average	227,486	377.49	50,393	143.45	56,162	114.69	27,879	217.22	145,559	90.53	631,744	221.86

<sup>a</sup> Prices for individual sales may differ 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>b</sup> Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 28--Volume and average stumpage (sold) price of selected species, National Forests in Washington, 1985-96<sup>a</sup>**

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

Year and quarter	Douglas-fir											
	West side		East side		Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1985												
1st	77,821	77.56	43,938	25.11	20,200	76.25	104,349	37.94	28,102	31.61	330,237	47.68
2d	68,453	125.04	23,033	25.27	7,343	72.39	94,010	45.05	39,107	48.18	278,734	64.03
3d	54,048	78.85	32,639	28.27	5,160	37.96	46,970	31.60	49,296	24.02	262,374	47.61
4th	36,285	144.88	15,938	19.51	7,031	61.13	10,590	70.33	34,006	29.93	121,210	68.26
Total and average	236,607	101.91	115,548	25.26	39,734	67.89	255,919	40.73	150,511	33.05	992,555	54.77
1986												
1st	52,270	142.58	40,268	51.24	9,095	55.46	84,910	60.07	45,170	60.91	278,900	72.00
2d	98,545	130.12	52,050	39.82	7,230	46.19	86,660	77.79	38,930	73.86	343,521	78.88
3d	130,388	122.32	65,626	27.04	19,644	49.40	159,001	61.99	28,392	97.75	464,254	72.18
4th	120,232	146.76	33,386	22.45	11,745	48.80	79,149	86.32	27,623	32.03	349,034	86.99
Total and average	401,435	134.19	191,330	34.54	47,714	49.92	409,720	69.64	140,115	66.28	1,435,709	77.35
1987												
1st	50,950	123.37	53,257	46.17	19,337	185.16	35,247	86.31	30,874	61.73	250,220	79.11
2d	139,132	134.90	14,142	51.45	1,495	142.76	135,852	88.57	38,143	72.18	402,623	98.78
3d	67,350	185.69	46,381	30.59	11,492	159.36	75,380	111.87	43,490	97.15	311,860	107.83
4th	49,674	206.62	18,599	33.00	2,310	163.02	41,045	109.45	28,158	108.39	173,091	120.64
Total and average	307,106	155.73	132,289	39.45	34,634	173.29	287,524	97.38	140,665	84.85	1,137,794	100.26
1988												
1st	73,370	195.91	52,520	88.91	10,205	202.33	43,980	141.99	40,245	163.06	277,368	134.80
2d	138,055	213.28	30,129	78.36	5,089	170.13	103,595	168.61	65,636	156.58	436,688	152.37
3d	84,796	252.34	52,368	86.71	16,215	215.29	83,945	144.92	40,780	116.83	355,969	146.61
4th	41,689	188.19	29,105	84.56	4,100	466.56	19,400	170.91	17,221	146.11	139,410	146.78
Total and average	337,910	216.22	164,122	85.50	35,609	234.05	250,920	156.20	163,882	147.18	1,209,435	146.00
1989												
1st	59,540	329.89	22,025	117.19	4,575	176.59	50,460	213.40	17,840	65.69	183,935	198.39
2d	19,632	311.19	38,143	150.83	12,087	138.67	6,610	91.77	10,935	134.04	109,223	147.09
3d	10,771	108.50	41,464	149.78	12,777	118.25	3,572	225.80	9,344	73.05	108,788	122.58
4th	111,779	421.31	34,515	203.82	5,600	134.35	61,967	241.94	44,926	325.24	323,350	282.61
Total and average	201,722	366.91	136,147	158.50	35,039	135.49	122,609	221.63	83,045	215.93	725,296	216.84
1990												
1st	27,368	363.26	29,965	157.37	4,815	161.34	12,935	253.25	25,875	174.67	140,115	189.47
2d	44,487	323.38	28,697	193.00	4,492	207.42	22,420	215.10	17,685	142.98	155,231	200.71
3d	326,091	322.39	88,039	91.28	19,017	134.43	183,455	177.60	11,960	158.19	889,957	199.67
4th	320	188.18	694	112.96	480	166.28	65	91.50	490	102.19	13,426	56.43
Total and average	398,266	325.21	147,395	124.64	28,804	150.84	218,875	185.89	156,010	159.02	1,198,729	197.01
1991												
1st	1,700	304.70	18,729	61.00	940	49.23	536	430.17	1,145	110.96	47,876	70.05
2d	961	200.97	17,167	84.84	200	726.08	576	23.34	1,160	185.91	29,864	104.25
3d	18,467	185.71	10,786	96.33	3,870	301.01	8,077	83.62	5,770	137.27	57,358	144.26
4th	5,828	191.47	4,324	142.75	3,013	82.57	2,760	179.53	2,410	208.21	20,701	146.26
Total and average	26,956	195.01	51,006	83.42	8,023	200.07	11,949	118.41	10,485	156.09	155,799	114.05
1992												
1st	4,500	473.92	3,700	174.48	0	--	0	--	60	85.59	11,160	281.87
2d	5,043	306.93	647	201.03	217	256.00	3,190	102.05	2,220	42.50	19,970	206.28
3d	10,684	94.32	12,725	175.86	3,582	370.32	890	116.78	2,565	106.23	32,653	158.67
4th	324	366.88	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

**Table 28--Volume and average stumpage (sold) price of selected species, National Forests in Washington, 1985-96<sup>a</sup> (continued)**

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

Year and quarter	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs <sup>b</sup>		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
1993												
1st	880	702.59	2,762	332.76	484	330.42	725	386.31	85	287.67	10,250	307.58
2d	10,110	403.54	0	--	2,014	263.62	2,390	304.01	888	237.44	17,073	329.27
3d	1,510	871.74	2,682	159.36	85	210.91	0	--	1,380	55.12	9,424	288.94
4th	5,687	308.89	3,487	242.12	1,094	590.17	3,062	143.90	733	188.66	17,507	244.63
Total and average	18,187	427.29	8,931	245.30	3,677	368.35	6,177	234.30	3,086	145.71	54,254	290.85
1994												
1st	1,757	387.04	3,738	362.91	606	262.18	2,295	247.70	0	--	16,013	285.93
2d	195	591.52	10,410	432.47	24	399.96	305	296.24	1,540	353.49	29,984	300.53
3d	1,256	624.21	179	235.81	0	--	374	354.68	540	262.87	6,374	329.34
4th	3,409	612.75	872	426.67	0	--	2,534	437.25	1,430	484.68	10,843	447.97
Total and average	6,617	554.37	15,199	412.71	630	267.43	5,508	344.85	3,510	393.00	63,214	325.03
1995												
1st	0	--	3,559	333.63	77	200.95	0	--	0	--	10,914	206.99
2d	72	632.12	3,076	177.21	1,314	387.77	149	251.38	0	--	8,523	208.97
3d	4,419	137.19	40,916	36.85	16,875	28.24	4,422	285.59	2,296	64.93	71,444	86.05
4th	19,094	370.24	26,795	40.57	29,695	6.96	3,976	179.53	8,453	221.09	72,732	160.08
Total and average	23,585	327.38	74,346	58.20	47,961	25.19	8,547	235.66	10,749	187.73	163,613	133.43
1996												
1st	3,967	659.32	21,123	32.59	12,866	25.52	1,545	240.25	535	360.55	43,041	105.78
2d	1,172	283.39	9,046	94.60	1,485	46.29	542	148.92	2,127	61.50	18,085	113.44
3d	11,433	331.91	5,606	74.72	0	--	2,931	237.46	186	160.86	46,826	180.95
4th	28,076	406.01	14,632	214.19	5,767	208.20	5,921	282.78	4,549	206.65	60,223	322.95
Total and average	44,648	406.33	50,407	101.12	20,118	79.42	10,939	258.00	7,397	174.89	168,175	205.30

<sup>a</sup> Prices for individual sales may differ 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>b</sup> Does not include noble fir or Shasta red fir.

Source: U.S. Department of Agriculture, Forest Service. 1985-96.

**Table 29--Volume and average value of timber harvested (cut) from National Forests in western Oregon, 1973-96**

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

Year and quarter	Mount Hood		Rogue River <sup>a</sup>		Siskiyou <sup>a</sup>		Siuslaw		Umpqua		Willamette	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1973:												
1st	69.1	53.46	41.0	48.65	53.2	54.70	102.0	54.24	82.8	43.70	157.8	57.46
2d	123.2	58.71	71.3	50.97	81.4	58.08	136.7	55.26	124.2	40.94	279.3	49.50
3d	145.7	56.52	64.7	41.46	73.0	65.21	113.9	59.85	136.5	31.60	280.8	53.61
4th	76.8	63.98	38.4	44.18	42.1	72.92	89.5	64.24	75.5	43.71	191.4	53.30
Total and average	414.8	58.04	215.3	46.46	249.7	61.95	442.1	58.02	418.9	38.94	909.2	52.95
1974:												
1st	36.8	83.82	30.5	71.52	22.3	128.15	77.3	57.17	60.5	63.82	108.2	89.06
2d	96.3	86.32	54.2	75.25	62.4	71.28	85.1	69.98	108.0	62.94	201.7	79.90
3d	129.0	54.92	65.7	72.01	64.4	66.68	83.4	69.98	129.4	47.00	204.2	58.22
4th	82.4	41.46	17.5	36.99	36.6	78.65	47.9	52.56	106.9	49.95	157.1	75.97
Total and average	344.5	63.57	167.8	69.31	185.7	77.96	293.7	63.77	404.8	54.54	671.2	73.86
1975:												
1st	19.7	49.51	3.0	56.02	8.9	128.27	38.7	77.69	44.7	67.32	42.5	96.43
2d	95.2	83.18	24.9	71.75	42.0	136.00	61.5	73.21	77.1	71.36	138.7	80.54
3d	135.0	67.50	47.7	65.58	61.8	114.35	67.0	69.07	126.3	70.29	198.6	61.85
4th	62.2	70.08	35.5	76.01	33.0	129.38	52.3	88.88	78.8	69.34	95.0	80.46
Total and average	312.0	71.67	111.1	70.04	145.7	124.85	219.5	76.47	326.9	69.91	474.8	74.13
1976:												
1st	22.4	95.21	27.4	96.74	23.8	114.88	95.1	122.84	39.2	98.89	64.9	118.26
2d	88.2	80.71	36.9	69.59	57.3	101.27	79.4	111.55	87.4	114.77	180.6	128.77
3d	133.7	70.30	57.6	62.76	49.5	139.12	70.6	92.62	98.5	96.56	244.3	105.98
4th	97.9	75.68	48.9	52.72	45.9	170.71	70.0	111.42	91.5	111.21	188.6	127.32
Total and average	342.3	76.15	170.8	66.82	176.5	131.77	315.0	110.69	316.6	105.86	678.4	119.16
1977:												
1st	32.5	130.41	36.3	106.66	27.7	161.52	102.5	130.77	43.6	105.61	92.7	148.74
2d	75.7	118.06	31.1	102.62	41.6	139.68	79.7	145.57	66.4	131.93	161.6	158.95
3d	103.6	84.40	63.7	107.19	53.6	128.13	80.2	90.96	98.1	105.05	198.7	148.82
4th	74.2	109.21	43.2	131.51	54.8	141.12	69.6	139.94	76.0	125.09	158.0	154.71
Total and average	285.9	104.97	174.4	112.30	177.7	140.05	332.0	126.62	284.1	116.78	611.0	153.01
1978:												
1st	42.7	143.18	39.1	134.24	34.9	173.72	100.4	169.48	55.9	140.00	126.1	169.46
2d	79.8	129.54	43.1	134.74	59.9	157.95	80.9	152.38	91.6	133.28	199.3	151.00
3d	86.1	119.96	71.2	116.32	66.4	148.51	64.1	141.44	136.5	121.07	209.8	147.08
4th	65.9	118.40	60.2	149.35	65.2	160.58	56.1	139.83	129.9	158.95	165.4	161.77
Total and average	274.5	125.98	213.5	132.62	226.3	158.37	301.4	153.41	413.8	138.22	700.6	155.69
1979:												
1st	36.3	173.87	42.9	186.11	37.7	212.80	103.5	165.48	62.3	138.97	77.8	199.50
2d	89.3	156.02	48.4	146.49	56.0	214.36	98.0	167.96	94.8	158.85	187.8	180.31
3d	121.5	130.92	65.8	119.28	62.1	174.29	116.9	79.93	154.7	149.91	207.7	166.89
4th	85.7	145.75	42.4	100.21	41.7	174.10	71.9	163.78	74.3	126.72	182.1	168.34
Total and average	332.7	146.17	199.5	136.19	197.5	192.96	390.3	140.16	386.0	145.88	655.3	175.01
1980:												
1st	44.1	178.36	28.2	135.88	25.5	218.02	91.2	150.51	24.8	193.16	93.4	198.29
2d	97.1	163.58	28.3	137.96	27.3	217.59	40.3	177.25	27.9	161.86	97.1	148.43
3d	122.2	139.55	63.3	109.31	38.1	173.86	63.0	201.79	75.7	139.12	181.5	154.85
4th	74.9	137.79	36.1	112.53	29.1	177.59	72.4	185.98	64.8	146.65	143.9	167.33
Total and average	338.3	151.11	155.9	120.06	120.1	194.08	266.9	176.28	193.2	151.86	515.9	164.99

**Table 29--Volume and average value of timber harvested (cut) from National Forests in western Oregon, 1973-96 (continued)**

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

Year and quarter	Mount Hood		Rogue River <sup>a</sup>		Siskiyou <sup>a</sup>		Siuslaw		Umpqua		Willamette	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
<b>1981:</b>												
1st	30.0	220.99	23.7	118.11	12.1	274.01	55.1	186.90	27.1	147.33	84.6	167.89
2d	88.3	153.03	52.7	160.30	26.9	158.93	66.5	201.18	41.3	172.70	131.3	143.93
3d	84.7	126.31	67.1	196.14	23.6	138.43	53.5	186.39	64.0	167.58	110.8	134.50
4th	46.3	135.14	18.5	156.39	11.9	62.22	18.0	128.04	35.6	186.76	73.4	98.19
Total and average	249.3	148.8	162.0	168.52	74.5	155.62	193.1	186.19	170.9	169.94	400.1	138.00
<b>1982:</b>												
1st	21.9	115.48	8.5	126.96	4.0	171.42	26.7	147.89	12.6	179.53	45.8	164.43
2d	39.6	120.61	19.7	115.33	6.1	45.63	33.6	205.79	29.7	121.70	98.6	113.44
3d	69.0	88.35	32.4	92.88	17.3	87.02	33.6	61.39	57.6	69.96	169.0	73.78
4th	63.6	79.29	20.4	91.46	20.0	39.13	48.1	66.86	45.1	63.15	107.0	84.69
Total and average	194.1	95.02	81.1	101.55	47.5	68.60	142.1	113.68	145.0	87.97	420.4	95.73
<b>1983:</b>												
1st	51.5	97.79	27.2	172.03	14.5	94.56	68.6	101.33	31.7	84.01	92.3	114.66
2d	99.4	120.24	53.3	143.24	34.6	120.02	91.2	120.82	65.9	117.75	150.7	126.07
3d	143.7	111.62	77.6	147.03	33.5	125.07	65.1	111.05	124.4	101.13	204.9	104.72
4th	89.5	77.97	32.3	115.74	25.4	96.77	54.3	107.49	85.0	80.76	127.9	97.49
Total and average	384.2	104.15	190.3	144.24	108.0	112.71	279.2	111.16	307.0	97.29	575.8	110.30
<b>1984:</b>												
1st	58.2	106.20	24.3	123.87	37.2	91.67	98.5	113.48	59.4	165.28	100.5	100.83
2d	98.6	101.61	37.5	127.44	44.4	199.15	100.9	133.01	51.8	138.37	148.0	114.52
3d	140.5	75.49	58.3	118.15	27.0	118.61	87.7	115.10	130.1	134.13	233.3	110.06
4th	103.8	67.16	36.2	134.11	36.6	149.07	80.1	93.99	66.3	88.10	203.3	104.56
Total and average	401.1	84.21	156.2	124.96	145.2	143.99	367.2	114.98	307.6	130.93	685.1	108.04
<b>1985:</b>												
1st	34.8	92.72	42.9	138.01	21.5	372.29	87.7	110.58	30.4	99.49	134.4	105.84
2d	103.4	73.82	49.7	107.71	27.2	94.95	76.8	118.80	75.0	106.53	179.3	107.23
3d	158.5	85.16	88.3	111.66	46.1	156.29	62.5	106.69	141.5	89.84	258.3	89.82
4th	104.4	68.90	48.6	113.11	48.4	-81.65	72.6	112.49	67.7	79.20	177.3	85.39
Total and average	401.2	78.66	229.5	116.04	143.3	96.73	299.6	112.34	314.7	92.46	749.3	95.81
<b>1986:</b>												
1st	52.3	91.17	25.9	83.83	30.1	68.32	75.1	109.95	39.5	102.06	132.5	107.61
2d	107.8	96.95	43.4	114.97	53.9	107.77	82.0	135.62	110.3	117.80	193.3	104.35
3d	148.6	88.58	63.0	138.24	43.1	75.66	87.6	121.98	185.4	105.25	255.4	89.40
4th	109.7	110.20	65.0	145.23	59.3	82.02	99.2	141.57	149.0	122.51	230.0	112.31
Total and average	418.4	96.73	197.2	128.29	186.4	85.79	343.8	128.25	484.1	113.16	811.0	102.44
<b>1987:</b>												
1st	42.1	120.08	31.3	175.45	39.5	92.87	88.3	139.04	63.3	136.09	164.9	134.21
2d	117.8	99.68	46.7	178.94	64.6	118.65	96.1	133.22	157.3	130.40	248.3	126.89
3d	136.6	95.96	60.5	159.73	61.7	83.28	80.4	131.87	182.3	114.86	256.4	122.55
4th	97.7	124.12	46.9	181.05	38.3	127.64	102.4	144.48	94.2	123.06	200.9	137.96
Total and average	394.3	106.62	185.3	172.61	204.2	104.65	367.2	137.46	497.1	124.04	870.5	129.55
<b>1988:</b>												
1st	47.1	155.56	54.3	167.32	65.1	162.78	128.4	169.81	77.5	141.07	214.8	157.00
2d	124.8	150.15	59.5	146.37	71.9	147.38	103.6	173.31	112.0	137.94	272.9	160.86
3d	128.1	147.73	68.3	150.92	40.5	136.67	89.3	212.39	128.7	143.97	219.1	159.61
4th	103.8	165.20	63.6	146.00	58.5	209.25	81.2	233.11	135.4	159.22	250.6	171.05
Total and average	403.7	153.88	245.7	152.17	236.0	165.13	402.6	192.93	453.5	146.54	957.3	162.37
<b>1989:</b>												
1st	36.7	229.06	37.5	183.63	55.5	172.15	85.8	229.24	49.2	166.98	128.4	225.39
2d	73.9	189.18	57.2	180.42	67.2	228.25	96.6	241.26	144.2	199.95	212.4	205.82
3d	94.2	132.87	75.2	182.90	61.2	170.68	53.4	228.50	226.9	228.68	263.6	195.98
4th	74.4	153.31	32.5	194.63	37.1	186.86	49.4	251.38	112.3	222.83	182.4	216.61
Total and average	279.3	165.88	202.3	184.21	221.1	191.27	285.2	237.01	532.6	213.97	786.7	208.22

**Table 29--Volume and average value of timber harvested (cut) from National Forests in western Oregon, 1973-96 (continued)**

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

Year and quarter	Mount Hood		Rogue River <sup>a</sup>		Siskiyou <sup>a</sup>		Siuslaw		Umpqua		Willamette	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1990:												
1st.	18.3	267.12	11.0	212.86	11.4	151.56	51.1	280.21	27.9	220.45	89.7	295.01
2d	54.0	314.65	40.5	199.57	40.0	328.24	44.9	310.21	124.5	247.39	123.4	267.86
3d	83.7	235.30	50.4	196.76	31.8	270.49	30.1	280.36	164.6	223.25	139.9	237.12
4th	59.6	241.25	29.9	140.59	26.1	298.40	28.2	250.80	54.5	311.18	90.9	206.05
Total and average	215.5	259.51	131.8	186.20	109.3	285.95	154.4	283.59	371.5	244.03	444.0	251.01
1991:												
1st	29.3	251.63	7.8	229.10	24.9	280.82	52.7	293.57	28.3	206.48	51.6	275.03
2d	48.2	244.35	28.1	194.78	17.2	349.35	34.1	347.11	81.5	261.76	97.1	301.56
3d	69.8	233.39	29.7	200.58	16.5	415.29	37.6	311.33	100.2	249.59	149.2	250.34
4th	44.3	263.71	6.7	197.98	4.2	202.11	29.6	308.57	40.8	226.76	67.6	262.39
Total and average	191.6	245.95	72.2	201.13	62.8	329.79	154.0	312.65	250.8	244.96	365.6	269.66
1992:												
1st	29.8	352.51	9.3	281.57	10.6	248.02	40.6	371.95	21.8	324.61	58.4	309.38
2d	28.6	272.51	32.6	367.21	23.6	330.72	16.8	369.02	54.3	290.77	71.6	280.22
3d	26.7	258.73	14.2	272.34	12.3	537.28	13.8	386.57	30.1	269.32	63.3	290.09
4th	23.1	324.58	17.0	297.74	3.5	467.32	15.3	311.56	20.7	310.92	59.6	331.22
Total and average	108.2	302.28	73.0	321.74	50.0	373.82	86.4	363.05	126.9	294.79	253.0	301.44
1993:												
1st	3.6	334.77	8.4	396.69	.4	65.15	17.0	431.27	13.3	400.07	34.2	429.41
2d	12.7	431.41	12.7	491.10	1.2	296.71	12.7	408.39	21.4	404.76	56.7	405.80
3d	24.6	297.98	23.1	335.53	5.5	503.57	9.7	372.48	51.8	367.05	76.3	377.10
4th	18.8	408.27	9.2	290.15	1.2	188.48	9.2	301.33	47.7	464.05	47.6	376.28
Total and average	59.6	363.42	53.4	374.40	8.4	406.86	48.6	388.92	134.2	410.82	214.8	392.83
1994:												
1st	5.2	459.13	8.2	387.78	4.7	495.00	4.8	258.67	9.5	408.23	18.3	458.05
2d	6.8	402.13	21.0	291.12	4.7	547.49	1.1	228.80	40.8	463.52	31.7	387.54
3d	14.8	344.36	8.7	367.85	1.5	521.44	.1	200.10	23.4	384.62	28.6	431.64
4th	9.8	363.78	5.9	470.69	3.8	469.71	6.7	468.37	14.7	445.49	34.1	386.60
Total and average	36.7	376.71	43.7	348.48	14.6	507.84	12.7	367.31	88.4	433.66	112.8	409.88
1995:												
1st	4.1	427.26	2.1	693.38	1.8	195.14	16.3	431.61	4.2	440.81	17.6	383.89
2d	7.9	409.13	5.0	499.71	6.0	472.18	.8	83.52	20.9	479.90	23.9	348.61
3d	6.2	298.26	15.8	354.68	5.0	423.24	.4	407.05	14.5	422.17	23.6	340.62
4th	4.8	316.40	2.2	334.00	14.4	303.05	6.7	418.82	19.1	370.65	19.6	338.83
Total and average	23.0	363.39	25.1	410.74	27.2	355.41	24.2	416.57	58.7	427.36	84.7	351.46
1996:												
1st	2.2	339.51	4.4	192.14	7.1	418.78	11.6	397.01	4.7	412.94	11.1	385.12
2d	9.6	295.01	4.0	297.62	13.2	496.46	2.5	304.42	19.4	461.02	8.7	341.49
3d	10.4	252.44	9.8	429.79	21.8	542.99	.2	340.64	23.2	481.40	16.9	389.78
4th	5.3	229.88	5.0	547.77	6.2	401.65	1.5	323.96	16.8	325.46	24.6	465.77
Total and average	27.5	270.05	23.2	387.27	48.3	493.92	15.8	374.90	64.2	429.36	61.3	412.59

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

Source: U.S. Department of Agriculture, Forest Service. 1973-96.



**Table 30--Volume and average value of timber harvested (cut) from National Forests in eastern Oregon, 1988-96**

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

Year and quarter	Deschutes		Fremont		Malheur		Ochoco		Umatilla		Wallowa-		Winema	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1988:														
1st	48.5	181.53	23.5	127.27	66.8	161.46	37.1	218.82	26.1	78.61	43.7	55.59	81.3	191.30
2d	51.6	140.05	21.1	155.84	31.5	136.73	10.2	222.49	17.1	78.72	36.2	59.88	61.5	165.81
3d	25.7	85.52	50.0	143.47	57.3	171.96	26.7	211.00	47.9	70.14	50.9	50.73	33.4	170.35
4th	52.1	146.35	45.1	150.31	80.4	166.99	48.0	156.01	63.8	85.33	75.0	49.56	71.0	212.78
Total and average	177.9	145.32	139.7	144.82	236.1	162.60	122.0	192.69	154.8	78.77	205.8	52.94	247.3	188.30
1989:														
1st	60.6	67.90	21.5	252.39	49.8	227.45	37.0	199.24	28.0	103.51	40.1	121.43	71.7	254.65
2d	50.2	91.10	16.0	216.69	30.5	217.45	19.3	204.05	22.4	98.33	28.2	117.27	70.2	180.01
3d	55.4	83.52	55.7	153.96	73.0	145.32	43.0	204.92	92.5	78.32	78.6	50.16	42.3	158.69
4th	63.1	123.42	78.2	190.82	95.5	152.47	50.3	217.35	64.5	104.76	86.3	53.51	57.8	205.97
Total and average	229.3	92.03	171.4	188.99	248.8	173.33	149.6	207.58	207.3	92.10	233.1	71.77	242.0	204.60
1990:														
1st	44.0	84.90	20.5	203.31	66.5	199.86	39.7	240.64	17.4	128.39	57.5	94.26	48.9	280.00
2d	50.5	154.45	9.1	132.67	30.9	124.51	14.1	166.05	8.1	129.98	30.2	63.91	32.8	247.43
3d	41.6	118.40	37.5	138.45	72.0	152.25	24.0	166.62	42.5	98.72	73.3	52.30	76.0	38.49
4th	43.6	102.50	43.7	159.86	88.6	147.04	60.6	181.77	45.5	76.02	61.5	42.98	44.5	187.60
Total and average	179.7	116.47	110.7	158.42	257.9	159.42	138.4	194.41	113.5	96.43	222.6	62.14	202.2	163.59
1991:														
1st	45.3	83.16	5.2	117.72	40.4	177.65	61.5	196.00	17.1	149.68	17.5	62.98	42.6	194.58
2d	38.3	121.84	15.7	195.01	45.7	191.71	32.3	195.08	7.4	89.53	17.8	72.62	36.8	174.07
3d	34.1	55.59	41.0	205.20	78.3	205.26	54.3	254.58	62.3	119.74	50.0	60.67	28.5	113.27
4th	31.9	109.88	50.6	277.22	62.3	228.84	34.8	299.93	39.5	137.26	30.8	44.35	19.9	125.47
Total and average	149.6	92.50	112.5	232.06	226.7	204.09	183.0	233.00	126.3	127.52	116.1	58.52	127.7	159.79
1992:														
1st	49.7	98.57	22.1	279.62	49.3	316.52	33.7	362.01	21.6	158.82	23.3	83.36	34.2	288.29
2d	48.2	139.22	10.5	333.16	34.0	253.75	15.3	311.25	37.3	104.72	23.6	75.79	24.9	178.23
3d	22.6	81.75	11.0	230.20	38.5	226.99	19.5	257.17	29.1	124.43	32.8	44.60	8.8	94.77
4th	25.9	142.98	32.7	262.91	47.1	215.23	28.8	344.61	16.7	144.09	24.2	67.52	22.6	87.43
Total and average	146.4	117.21	76.3	272.69	168.9	255.24	97.3	327.85	104.7	127.63	103.9	65.72	90.4	189.07
1993:														
1st	31.4	74.35	12.6	294.46	27.8	368.42	29.9	450.60	14.2	37.93	14.3	236.16	46.7	575.29
2d	61.9	88.40	18.2	381.72	13.0	318.87	4.2	242.55	4.3	115.46	6.5	194.29	53.0	563.40
3d	20.0	156.03	52.3	290.62	38.9	327.59	23.8	270.31	44.7	123.63	29.8	96.87	15.4	248.78
4th	34.5	128.20	39.2	290.12	55.4	322.18	23.7	295.24	21.5	166.48	35.7	99.78	21.5	197.07
Total and average	147.8	103.87	122.3	304.39	135.1	332.92	81.6	342.22	84.6	119.69	86.3	128.45	136.6	474.37
1994:														
1st	35.9	137.51	12.7	75.78	34.2	406.87	9.1	534.19	2.5	190.46	9.7	159.31	17.6	285.21
2d	49.3	124.99	7.1	307.15	19.3	292.49	8.1	499.07	3.5	216.63	4.9	146.54	17.3	143.13
3d	8.4	87.79	7.1	162.15	18.9	295.97	5.3	253.92	5.8	247.16	7.6	25.28	5.0	168.68
4th	28.1	133.70	21.8	235.02	54.3	377.40	9.5	331.71	6.1	130.17	13.1	59.13	9.4	254.94
Total and average	121.7	128.13	48.7	193.36	126.7	360.27	32.0	419.07	18.1	191.21	35.3	91.56	49.2	217.63
1995:														
1st	47.1	119.79	6.2	97.56	18.1	451.14	4.0	271.76	1.4	6.27	5.1	131.65	4.2	344.89
2d	27.9	103.69	11.4	85.22	19.8	347.18	6.2	594.64	.3	16.47	2.2	153.00	5.8	223.17
3d	26.5	52.81	22.2	104.68	39.8	323.05	14.1	451.08	5.7	78.40	12.6	84.75	16.1	139.41
4th	14.2	84.49	15.1	98.63	22.3	219.79	7.4	210.07	3.6	45.04	14.1	50.09	14.3	213.43
Total and average	115.7	96.22	54.9	98.16	100.0	327.92	31.6	400.63	11.0	56.66	34.1	81.79	40.4	198.98
1996:														
1st	17.7	113.05	3.1	128.55	5.5	173.38	2.2	93.14	.6	24.11	11.7	81.84	23.7	282.73
2d	19.0	82.11	1.3	92.02	8.5	80.22	2.5	81.35	2.3	88.00	7.2	70.67	13.7	56.07
3d	7.8	81.50	8.3	156.27	10.7	134.91	8.0	299.87	25.3	178.18	12.2	113.60	16.2	145.11
4th	18.6	45.97	9.3	98.87	12.1	179.22	5.0	246.18	10.2	100.55	11.2	52.06	9.2	116.19
Total and average	63.1	80.05	22.1	124.22	36.7	142.60	17.7	228.03	38.3	149.84	42.4	81.14	62.9	173.39

Source: U.S. Department of Agriculture, Forest Service. 1988-96.

**Table 31--Volume and average value of timber harvested (cut) from National Forests in western Washington, 1988-96**

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

Year and quarter	Gifford-Pinchot		Mount Baker-Snoqualmie		Olympic	
	Volume	Average value	Volume	Average value	Volume	Average value
1988:						
1st	87.5	159.42	34.7	136.22	60.1	105.37
2d	150.9	150.95	78.1	124.31	74.3	638.06
3d	167.9	149.25	75.5	129.62	70.6	121.88
4th	144.4	148.05	63.1	134.83	72.9	121.60
Total and average	550.7	151.02	251.4	130.19	277.9	268.28
1989:						
1st	49.5	191.68	13.2	234.74	35.9	129.17
2d	123.3	167.64	52.4	166.70	43.0	122.51
3d	127.2	161.72	60.1	145.78	42.6	134.59
4th	111.3	164.05	36.4	173.13	33.7	150.71
Total and average	411.3	167.73	162.0	165.93	155.2	133.49
1990:						
1st	16.4	185.47	6.5	254.62	20.4	210.21
2d	83.4	211.53	39.9	209.57	31.7	182.36
3d	102.2	184.72	52.9	212.16	30.8	210.49
4th	77.0	200.20	40.5	208.86	21.3	187.53
Total and average	279.1	197.05	139.8	212.43	104.3	197.18
1991:						
1st	25.0	197.46	15.8	224.13	17.1	185.00
2d	100.3	223.18	35.8	241.02	21.8	157.58
3d	84.1	238.16	33.4	190.40	22.3	202.16
4th	48.5	234.36	29.7	201.84	15.8	210.27
Total and average	257.9	227.68	114.7	216.55	77.1	187.38
1992:						
1st	22.8	264.73	17.3	284.98	14.2	196.59
2d	45.2	230.65	17.1	247.40	14.9	265.69
3d	43.8	221.29	19.1	203.57	12.3	270.76
4th	41.9	223.84	12.5	170.04	6.4	212.36
Total and average	153.8	231.17	66.1	229.90	47.9	239.31
1993:						
1st	13.9	159.17	3.9	178.88	7.2	167.19
2d	39.3	341.65	1.5	201.01	3.3	201.01
3d	59.8	297.41	2.5	247.20	2.0	159.04
4th	36.7	304.46	11.8	156.17	1.7	72.36
Total and average	149.7	297.87	19.7	175.69	14.1	162.63
1994:						
1st	11.9	321.70	5.5	276.74	1.7	91.78
2d	15.7	297.10	2.2	87.38	1.8	178.13
3d	31.7	304.80	8.6	217.55	2.4	144.94
4th	25.6	242.20	6.1	222.69	4.0	138.63
Total and average	85.0	286.89	22.4	220.53	9.9	139.21
1995:						
1st	9.8	268.22	2.6	346.31	4.4	157.26
2d	11.3	311.13	4.4	131.51	2.0	130.04
3d	12.0	245.82	11.9	197.25	3.2	400.47
4th	3.9	227.01	8.8	203.64	3.4	295.20
Total and average	36.9	269.73	27.7	202.73	13.0	248.53
1996:						
1st	.8	-169.04	1.1	45.54	5.0	209.69
2d	1.8	378.23	.3	28.90	5.0	272.92
3d	4.8	296.68	17.6	13.41	4.3	236.79
4th	11.5	369.83	.9	92.78	1.3	136.64
Total and average	18.9	328.59	19.9	19.06	15.7	231.09

Source: U.S. Department of Agriculture, Forest Service. 1988-96.

**Table 32--Volume and average value of timber harvested (cut) from National Forests in eastern Washington, 1988-96**

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

Year and quarter	Colville		Okanogan		Umatilla		Wenatchee	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1988:								
1st	34.2	65.79	28.0	69.05	.5	16.76	28.5	82.90
2d	18.7	63.79	30.8	58.06	1.2	57.52	47.8	70.53
3d	31.6	48.84	31.9	60.57	3.5	40.81	41.1	107.38
4th	43.8	59.83	44.2	81.66	3.9	56.86	54.2	78.33
Total and average	128.2	59.29	134.9	68.67	9.1	48.71	171.6	83.88
1989:								
1st	35.9	73.12	20.5	105.58	.3	103.35	35.6	92.47
2d	18.2	87.14	16.9	65.33	2.6	125.60	37.0	94.17
3d	37.4	76.53	35.2	102.47	13.8	27.48	70.4	99.97
4th	37.0	68.85	28.6	100.64	12.0	32.20	49.9	91.19
Total and average	128.5	74.86	101.1	96.38	28.7	39.21	192.8	95.20
1990:								
1st	24.2	76.47	6.5	106.5	1.5	50.52	22.8	93.57
2d	27.8	63.06	2.5	83.17	6.8	69.42	49.6	88.31
3d	5.6	76.13	14.2	70.60	15.9	31.74	50.6	112.09
4th	38.9	69.15	10.4	53.78	12.1	23.04	31.4	75.63
Total and average	96.5	69.64	33.7	73.28	36.4	36.67	154.4	94.30
1991:								
1st	24.3	84.39	11.8	74.85	1.1	15.92	10.5	100.51
2d	13.9	84.55	7.0	89.89	4.5	42.82	30.2	103.98
3d	36.9	83.50	14.7	99.19	7.9	27.63	63.4	93.11
4th	30.0	94.87	9.2	51.27	3.8	52.34	27.4	104.61
Total and average	105.1	87.09	42.7	80.61	17.3	36.26	131.6	98.60
1992:								
1st	15.5	103.05	5.4	134.87	1.1	56.52	12.7	175.65
2d	13.6	84.70	6.5	114.59	4.5	61.02	19.8	136.11
3d	23.3	91.81	14.9	132.17	5.4	38.66	34.5	105.43
4th	30.2	88.49	11.4	120.49	4.7	66.90	23.9	132.22
Total and average	82.6	91.53	38.2	126.09	15.8	54.75	90.9	128.98
1993:								
1st	20.3	123.94	5.8	211.19	2.3	206.14	5.5	164.96
2d	6.2	112.69	5.7	201.00	5.4	168.20	7.3	104.79
3d	15.4	115.63	7.4	165.39	13.5	65.81	21.7	124.86
4th	16.8	128.10	8.8	216.29	5.2	106.52	13.6	73.03
Total and average	58.8	121.76	27.7	198.51	26.5	107.11	48.1	111.73
1994:								
1st	13.8	163.68	6.6	227.11	-0.2	-14.21	2.4	105.46
2d	3.2	101.94	3.2	189.04	1.6	192.50	5.5	211.22
3d	7.7	155.27	6.1	148.41	1.4	61.39	11.0	125.54
4th	13.2	194.16	6.5	203.18	1.8	284.31	7.2	108.08
Total and average	37.8	167.39	22.3	193.39	4.6	198.09	26.0	136.83
1995:								
1st	7.8	155.43	5.9	287.28	.4	7.08	.4	104.49
2d	3.8	125.66	1.9	150.01	1.2	447.61	1.5	199.67
3d	17.1	184.72	7.7	183.50	4.1	247.27	8.8	98.10
4th	12.8	183.72	6.2	169.80	6.1	190.35	15.5	43.77
Total and average	41.6	173.50	21.7	204.67	11.8	230.46	26.3	71.85
1996:								
1st	10.6	152.29	2.4	242.30	1.0	39.96	15.1	30.18
2d	3.3	107.26	3.6	74.99	1.0	238.78	33.7	35.04
3d	8.9	119.44	11.4	49.22	13.8	141.70	27.4	35.68
4th	7.7	139.00	2.1	87.42	2.4	104.12	14.5	34.59
Total and average	30.5	134.46	19.4	81.69	18.2	136.99	90.7	34.35

Source: U.S. Department of Agriculture, Forest Service. 1988-96.

**Table 33--Volume and average value of timber harvested (cut) from National Forests, Oregon and Washington, 1973-96**

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

Year and quarter	Oregon <sup>a</sup>						Washington <sup>b</sup>						California, northern <sup>c</sup>	
	All		West side		East side		All		West side		East side		Volum	Average value
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value		
1973:														
1st	779.6	47.75	505.5	53.03	274.1	38.01	226.9	43.92	182.1	48.12	44.8	26.85	.2	3.96
2d	1,043.9	50.50	815.4	51.58	228.5	46.62	462.3	45.30	378.1	49.60	84.2	25.99	.8	2.22
3d	1,193.2	47.86	808.4	51.65	384.8	39.91	495.9	45.31	416.4	46.26	79.6	40.29	6.0	16.43
4th	823.6	50.17	511.2	56.54	312.4	39.74	334.7	49.90	280.2	52.76	54.5	35.19	2.4	10.51
Total and average	3,840.3	49.05	2,640.5	52.84	1,199.8	40.71	1,519.9	46.11	1,256.7	48.98	263.1	32.37	9.4	13.44
1974:														
1st	571.2	68.97	335.6	77.59	235.7	56.69	129.3	59.87	107.2	62.88	22.1	45.29	0	--
2d	827.3	69.59	607.6	75.16	219.7	54.17	291.7	65.12	255.2	68.97	36.4	38.16	.1	386.73
3d	1,007.2	52.64	673.4	59.14	333.9	39.53	465.0	52.46	339.5	59.75	125.5	32.77	2.7	33.98
4th	751.8	44.33	446.7	59.78	305.1	21.72	337.4	45.17	235.4	57.35	102.0	17.08	1.7	19.73
Total and average	3,157.5	58.06	2,063.2	67.00	1,094.3	41.20	1,223.4	54.25	937.3	62.01	286.1	28.83	4.5	36.04
1975:														
1st	359.8	51.31	174.5	78.77	202.4	29.95	144.2	43.50	95.7	58.32	48.5	23.15	.1	.25
2d	595.8	74.01	435.2	83.47	160.6	48.36	321.3	55.39	266.1	61.52	55.2	25.86	4.2	63.00
3d	1,003.2	60.25	630.5	71.22	372.8	41.69	411.5	48.87	270.6	58.74	140.9	29.91	5.8	32.20
4th	696.2	63.20	355.0	81.75	341.3	43.90	220.4	42.53	133.9	50.87	86.6	29.63	1.9	35.73
Total and average	2,655.1	62.90	1,578.1	77.72	1,077.0	41.18	1,097.5	48.80	766.2	57.72	331.3	28.17	12.0	43.45
1976:														
1st	506.5	96.46	272.6	112.44	233.9	77.84	127.6	51.19	61.8	62.40	65.8	40.66	.2	109.80
2d	723.8	100.14	525.9	109.36	197.9	75.63	249.0	71.58	202.7	75.29	46.3	55.34	3.9	29.60
3d	992.1	84.70	639.8	95.94	352.2	64.29	459.4	66.38	340.9	72.77	118.4	47.97	14.3	31.49
4th	948.0	91.12	540.6	110.32	407.4	65.65	368.9	60.73	253.3	69.82	115.6	40.81	2.2	77.85
Total and average	3,170.4	92.02	1,978.9	105.71	1,191.1	69.30	1,204.9	64.11	858.7	71.75	346.2	45.18	20.6	36.92
1977:														
1st	588.4	112.90	335.3	132.39	253.1	87.09	182.4	70.35	111.6	80.72	70.8	54.00	.1	17.69
2d	631.2	129.30	454.2	140.62	176.9	100.26	314.8	79.81	244.1	84.39	70.7	63.98	1.8	60.17
3d	901.3	107.06	592.8	117.13	308.5	87.70	398.7	78.61	292.7	84.42	106.0	62.56	5.1	34.74
4th	803.7	115.10	470.8	137.96	332.8	82.77	281.3	107.46	206.8	92.64	74.5	148.61	4.9	50.22
Total and average	2,924.5	115.24	1,853.1	130.94	1,071.4	88.10	1,177.2	84.54	855.2	85.92	322.0	80.90	11.9	44.97
1978:														
1st	641.8	140.64	398.3	159.49	243.4	109.80	183.8	106.61	136.7	114.37	47.1	84.11	.7	137.84
2d	740.6	136.64	551.5	144.82	189.2	112.78	316.8	105.05	260.8	105.79	56.1	101.58	3.1	118.30
3d	962.1	123.74	628.5	134.38	333.6	103.70	396.5	93.23	281.3	97.88	115.2	81.85	5.5	81.55
4th	890.8	138.15	538.1	152.55	352.8	116.19	367.9	99.57	258.3	111.20	109.6	72.15	4.7	92.49
Total and average	3,235.3	134.01	2,116.4	146.45	1,118.9	110.50	1,265.0	99.98	937.1	106.16	327.9	82.31	13.8	96.05
1979:														
1st	554.7	173.03	359.5	176.74	195.2	166.38	160.2	112.66	109.6	115.34	50.6	106.86	1.0	124.32
2d	743.0	167.16	573.6	171.43	169.4	152.71	330.2	104.32	276.5	112.16	53.7	63.98	.5	92.82
3d	1,042.0	131.10	724.6	140.02	317.5	110.76	429.5	98.32	335.9	102.62	93.7	82.90	4.1	76.97
4th	791.6	136.63	496.3	152.51	295.3	109.94	324.8	103.95	240.4	113.48	84.4	76.81	1.7	83.19
Total and average	3,131.4	148.48	2,153.9	157.37	977.4	128.89	1,244.7	103.23	962.3	109.52	282.4	81.78	7.3	86.14
1980:														
1st	508.5	155.65	307.2	176.75	201.3	123.45	150.9	103.32	103.4	117.32	47.5	72.84	0	--
2d	425.2	141.69	316.8	162.81	108.4	79.94	255.5	95.94	216.4	104.24	39.1	50.05	1.1	187.94
3d	786.1	127.69	541.6	150.74	244.5	77.50	381.0	90.80	273.0	102.19	108.0	61.99	2.4	140.51
4th	706.9	140.07	421.0	158.22	285.9	113.33	271.7	85.57	166.6	104.84	105.2	55.04	.1	-25.80
Total and average	2,426.7	139.69	1,586.6	160.17	840.1	101.02	1,059.1	92.48	759.4	105.41	299.7	59.71	3.6	141.56

**Table 33--Volume and average value of timber harvested (cut) from National Forests, Oregon and Washington, 1973-96 (continued)**

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

Year and quarter	Oregon <sup>a</sup>						Washington <sup>b</sup>						California, northern <sup>c</sup>	
	All		West side		East side		All		West side		East side		Volume	Average value
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value		
1981:														
1st	454.3	149.78	232.3	177.38	222.1	120.92	178.6	87.98	118.0	102.40	60.6	59.89	.3	96.39
2d	534.0	156.58	406.6	161.33	127.5	140.58	264.6	90.43	184.6	106.60	80.0	53.10	.5	117.18
3d	640.8	132.48	402.7	155.50	238.1	93.56	328.7	84.05	233.4	96.60	95.3	54.64	.9	104.23
4th	391.9	95.36	206.7	128.75	185.2	58.08	184.2	62.65	137.8	71.68	46.4	35.84	0	--
Total and average	2,021.1	135.49	1,248.2	157.04	772.9	100.67	956.0	82.43	673.8	95.07	282.2	52.24	1.7	105.57
1982:														
1st	234.6	121.67	119.5	150.91	115.1	91.32	67.1	83.50	40.3	105.32	26.8	50.73	.1	196.64
2d	334.9	111.91	227.3	127.79	107.6	78.39	168.3	83.69	143.9	91.71	24.4	36.41	.1	75.72
3d	599.7	66.85	378.4	76.97	221.3	49.54	282.3	59.52	209.8	68.33	72.5	34.03	.6	87.38
4th	560.3	61.53	304.2	75.03	256.1	45.51	210.1	34.74	143.8	39.21	66.3	25.04	.2	36.86
Total and average	1,729.5	81.29	1,029.3	96.20	700.2	59.37	727.8	60.17	537.8	69.57	190.0	33.56	.9	84.13
1983:														
1st	494.3	107.84	285.3	109.60	209.0	105.44	151.7	71.29	100.8	71.28	50.9	71.30	.6	36.73
2d	689.7	130.72	494.9	124.31	194.9	146.98	322.1	72.06	242.3	73.64	79.8	67.24	.2	8.97
3d	973.9	108.84	648.9	112.34	325.0	101.84	464.9	62.00	342.7	65.91	122.2	51.02	.3	9.40
4th	854.7	95.01	414.3	92.53	440.4	97.35	335.1	51.52	214.6	55.58	120.5	44.29	0	--
Total and average	3,021.6	109.76	1,843.3	110.68	1,169.3	108.31	1,273.8	62.89	900.3	66.13	373.4	55.07	1.1	24.18
1984:														
1st	622.9	130.56	378.1	115.65	244.8	153.58	235.1	87.39	170.0	90.06	65.1	80.41	0	--
2d	641.1	124.05	481.1	127.13	159.9	114.81	312.9	77.91	255.2	83.09	57.7	55.00	0	--
3d	1,140.8	90.95	676.8	109.21	463.9	64.32	396.3	54.60	263.1	66.11	133.2	31.87	0	--
4th	997.6	99.16	526.3	98.63	471.3	99.76	322.5	49.96	203.0	60.54	119.5	32.00	0	--
Total and average	3,402.4	106.85	2,062.4	111.87	1,339.9	99.12	1,266.8	65.26	891.2	74.27	375.5	43.88	0	--
1985:														
1st	653.2	132.49	351.6	125.50	301.6	140.65	164.2	83.62	114.5	90.94	49.7	66.73	.3	14.22
2d	686.4	98.94	508.3	101.89	178.1	90.50	302.9	60.13	236.7	66.38	66.3	37.78	3.2	38.94
3d	1,207.2	85.82	752.8	97.02	454.4	67.28	420.4	53.96	280.7	60.30	139.7	41.22	2.4	46.57
4th	985.3	87.48	518.2	72.08	467.0	104.57	334.2	44.89	214.4	50.24	119.8	35.32	.8	67.04
Total and average	3,532.1	97.46	2,130.9	96.81	1,401.1	98.45	1,221.7	56.99	846.3	63.60	375.4	42.11	6.7	43.96
1986:														
1st	616.0	104.82	355.2	100.01	260.8	111.38	186.6	55.61	119.2	63.53	49.4	36.51	.1	76.30
2d	859.0	109.40	589.1	111.01	269.9	105.90	333.4	70.09	246.3	75.76	87.1	54.05	1.6	85.32
3d	1,244.2	97.25	779.6	99.87	464.6	92.86	418.8	59.46	270.3	69.10	148.4	41.90	3.3	87.04
4th	1,225.5	118.32	709.1	119.01	516.4	117.38	384.5	69.01	232.3	84.91	152.3	49.75	2.9	38.45
Total and average	3,944.7	107.63	2,433.0	108.17	1,511.7	106.76	1,305.3	64.49	868.1	74.46	437.2	44.70	7.9	68.51
1987:														
1st	688.5	133.20	429.1	133.35	259.4	132.94	220.4	90.77	142.5	113.59	78.0	49.08	.2	31.20
2d	1,002.8	121.26	730.6	126.71	272.2	106.62	393.4	83.38	298.8	92.18	94.7	55.59	.4	76.80
3d	1,239.2	114.27	774.9	117.08	464.4	109.59	436.0	70.54	283.7	80.54	152.4	51.91	3.2	51.30
4th	1,070.2	138.10	579.9	137.09	490.4	139.30	385.8	87.74	227.0	108.59	158.8	57.92	.5	221.97
Total and average	4,000.8	125.66	2,514.5	127.27	1,486.4	122.92	1,435.7	81.78	951.9	95.83	483.8	54.15	4.2	71.03
1988:														
1st	912.8	157.97	585.7	159.53	327.1	155.17	273.4	115.43	182.3	137.19	91.1	71.90	1.5	19.74
2d	969.6	150.32	740.5	155.25	229.1	134.37	401.8	223.12	303.3	274.41	98.5	65.19	4.1	90.18
3d	963.7	148.87	671.7	159.25	292.0	125.00	422.1	121.97	313.9	138.38	108.1	74.30	2.3	116.99
4th	1,126.6	160.95	691.2	176.12	435.4	136.86	426.5	115.94	280.4	138.19	146.1	73.22	1.8	152.69
Total and average	3,972.6	154.74	2,689.0	162.55	1,283.6	138.38	1,523.8	145.78	1,080.0	176.34	443.8	71.43	9.8	97.60
1989:														
1st	700.5	193.76	391.9	207.91	308.6	175.81	191.0	132.72	98.7	174.66	92.3	87.88	1.1	160.24
2d	887.7	193.90	650.9	207.97	236.8	155.22	293.4	140.34	218.7	158.55	74.7	87.05	.6	231.07
3d	1,213.8	167.09	773.3	196.93	440.5	114.70	386.6	126.58	229.8	152.53	156.8	88.54	1.1	145.48
4th	982.2	175.96	486.5	208.31	495.7	144.21	308.9	129.51	181.4	163.39	127.4	81.28	1.6	169.22
Total and average	3,784.2	180.62	2,302.6	204.32	1,481.6	143.78	1,179.8	131.76	728.6	160.04	451.2	86.11	4.5	167.07

**Table 33--Volume and average value of timber harvested (cut) from National Forests, Oregon and Washington, 1973-96 (continued)**

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

Year and quarter	Oregon <sup>a</sup>						Washington <sup>b</sup>						California, northern <sup>c</sup>	
	All		West side		East side		All		West side		East side		Volume	Average value
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value		
1990:														
1st	503.4	214.34	209.0	267.13	294.4	176.87	98.4	139.66	43.3	207.48	55.1	86.38	.3	157.30
2d	600.6	236.33	424.9	272.17	175.7	149.65	241.8	159.71	155.1	205.06	86.7	78.59	2.5	150.83
3d	864.1	176.26	497.2	233.84	366.9	98.20	272.3	162.32	185.9	196.79	86.3	88.10	3.2	87.74
4th	675.6	176.12	287.7	240.04	387.9	128.73	231.7	145.79	138.8	200.78	92.9	63.58	1.6	54.91
Total and average	2,643.7	197.12	1,418.7	251.48	1,224.9	134.16	844.1	154.39	523.1	201.19	321.0	78.14	7.7	105.04
1991:														
1st	423.3	205.64	193.7	265.80	229.6	154.91	105.6	151.16	57.9	206.51	47.7	84.02	.8	186.60
2d	498.9	233.44	304.9	279.80	194.0	160.58	213.6	185.36	157.9	218.16	55.7	92.38	1.2	311.24
3d	751.1	209.01	402.7	255.98	348.5	154.72	262.7	158.23	139.9	221.01	122.8	86.75	.4	284.88
4th	463.1	219.20	193.2	258.70	269.8	190.90	164.4	164.64	94.0	220.03	70.4	90.70	0	--
Total and average	2,136.4	216.26	1,094.5	264.84	1,041.9	165.22	746.4	166.41	449.7	217.94	296.7	88.30	2.4	262.81
1992:														
1st	404.5	272.31	170.5	328.48	234.0	231.37	89.1	206.38	54.3	253.35	34.8	133.06	0	--
2d	421.2	245.31	227.4	306.02	193.8	174.07	121.7	193.12	77.3	241.13	44.4	109.54	0	--
3d	322.7	227.01	160.4	306.73	162.3	148.24	153.4	162.21	75.3	224.87	78.2	101.85	0	--
4th	337.0	247.70	139.1	324.30	197.8	193.82	131.1	155.64	60.9	211.56	70.2	107.11	0	--
Total and average	1,485.4	249.23	697.5	315.32	787.9	190.72	495.2	176.01	267.7	232.31	227.5	109.74	0	--
1993:														
1st	253.5	364.10	76.5	414.57	176.9	342.27	59.0	156.83	25.0	164.52	34.0	151.18	.4	494.59
2d	277.0	351.72	116.0	415.89	161.0	305.47	68.7	260.63	44.1	326.29	24.6	142.96	1.4	489.64
3d	414.1	286.92	189.1	365.13	224.9	221.16	122.3	206.99	64.3	291.23	58.1	113.79	1.8	98.94
4th	364.5	289.01	133.1	400.85	231.5	224.73	94.6	198.14	50.2	261.78	44.4	126.14	.7	119.52
Total and average	1,309.1	316.16	514.7	393.15	794.4	266.26	344.6	206.66	183.5	274.35	161.1	129.55	4.3	262.46
1994:														
1st	172.6	307.61	50.6	422.02	122.0	260.11	41.7	228.10	19.1	288.02	22.6	177.49	0	--
2d	210.9	302.03	101.4	411.23	109.5	200.87	33.2	228.39	19.8	262.69	13.4	177.77	4.6	247.36
3d	135.1	308.87	77.1	394.90	58.0	194.64	68.8	224.35	42.7	278.24	26.1	136.17	0	--
4th	217.4	310.58	75.1	413.34	142.3	256.37	64.3	206.46	35.7	227.34	28.6	180.41	0	--
Total and average	736.0	307.12	304.2	409.41	431.8	235.05	208.0	220.21	117.3	261.72	90.7	166.57	4.7	246.96
1995:														
1st	132.3	278.70	46.2	416.84	86.1	204.60	31.4	228.90	16.8	251.05	14.5	203.25	0	--
2d	138.1	311.85	64.5	418.70	73.6	218.13	26.2	227.94	17.7	245.59	8.4	190.82	0	--
3d	202.6	249.76	65.5	364.76	137.1	194.81	64.9	200.92	27.0	242.79	37.8	170.99	0	--
4th	157.7	229.31	66.7	346.55	91.1	143.48	56.7	157.22	16.0	228.52	40.6	129.08	0	--
Total and average	630.7	264.31	242.9	383.99	387.8	189.36	179.1	195.93	77.6	242.27	101.4	160.46	0	--
1996:														
1st	105.8	252.24	41.2	374.32	64.5	174.24	36.0	101.43	7.0	138.66	29.1	92.49	0	--
2d	111.9	243.73	57.3	405.00	54.6	74.20	48.7	84.05	7.0	290.16	41.7	49.36	0	--
3d	170.7	295.89	82.3	443.64	88.4	158.41	88.2	82.22	26.7	100.78	61.5	74.15	0	--
4th	135.1	234.82	59.4	401.77	75.7	103.80	40.4	161.27	13.7	328.79	26.6	74.91	0	--
Total and average	523.5	260.15	240.3	412.17	283.2	131.20	213.3	100.84	54.5	187.50	158.9	71.12	.1	154.89

<sup>a</sup>These figures do not include the timber cut on the small portion of the Forests in northern California.

<sup>b</sup>Umatilla NF data proportioned in Oregon and Washington.

<sup>c</sup>Small portion of Rogue River and Siskiyou National Forests are in northern California.

Source: U.S. Department of Agriculture, Forest Service. 1973-96.

**Table 34--Volume and average value of timber harvested (cut) from National Forests, Oregon and Washington combined, 1973-96**

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

Year and quarter	West side <sup>a</sup>		East side		Total	
	Volume	Average value	Volume	Average value	Volume	Average value
1973:						
1st	687.9	51.72	318.9	36.44	1,006.8	46.88
2d	1,194.3	50.92	312.7	41.07	1,507.0	48.88
3d	1,230.8	49.65	464.3	39.98	1,695.1	47.00
4th	793.8	55.06	366.9	39.07	1,160.7	50.01
Total and average	3,906.7	51.50	1,462.9	39.21	5,369.6	48.16
1974:						
1st	442.8	74.03	257.8	55.71	700.5	67.29
2d	862.9	73.36	256.1	51.89	1,119.0	68.45
3d	1,015.5	59.27	459.4	37.68	1,474.9	52.55
4th	683.8	58.84	407.1	20.56	1,090.9	44.55
Total and average	3,005.0	65.40	1,380.4	38.63	4,385.4	56.97
1975:						
1st	253.2	69.33	250.9	28.63	504.1	49.07
2d	705.6	75.07	215.8	42.60	921.3	67.47
3d	906.8	67.24	513.7	38.46	1,420.5	56.84
4th	490.7	73.15	427.8	41.01	918.6	58.18
Total and average	2,356.3	71.04	1,408.3	38.12	3,764.6	58.73
1976:						
1st	334.6	103.20	299.7	69.67	634.3	87.36
2d	732.5	99.51	244.2	71.78	976.7	92.58
3d	995.1	87.08	470.7	60.19	1,465.7	78.44
4th	796.0	97.34	523.1	60.16	1,319.1	82.60
Total and average	2,858.2	95.01	1,537.6	63.87	4,395.8	84.12
1977:						
1st	446.9	119.47	323.9	79.86	770.8	102.82
2d	700.2	130.80	247.6	89.90	947.8	112.73
3d	890.1	105.91	414.5	81.27	1,305.1	98.08
4th	682.6	123.59	407.3	94.81	1,089.9	112.84
Total and average	2,720.2	116.41	1,393.4	86.43	4,113.6	106.25
1978:						
1st	535.7	147.95	290.6	105.63	826.3	133.07
2d	815.3	132.24	245.2	110.22	1,060.5	127.15
3d	915.3	122.85	448.7	98.09	1,364.0	114.70
4th	801.1	138.87	462.4	105.75	1,263.4	126.75
Total and average	3,067.3	133.91	1,446.9	104.11	4,514.2	124.36
1979:						
1st	470.1	162.24	245.9	154.12	716.0	159.45
2d	850.6	152.11	223.1	131.35	1,073.7	147.80
3d	1,064.5	127.98	411.1	104.41	1,475.6	121.41
4th	738.4	139.63	379.7	102.58	1,118.2	127.05
Total and average	3,123.6	142.46	1,259.8	118.33	4,383.5	135.53
1980:						
1st	410.5	161.77	248.8	113.80	659.3	143.67
2d	534.3	139.14	147.5	72.01	681.8	124.62
3d	817.0	134.48	352.5	72.74	1,169.5	115.87
4th	587.8	143.02	391.0	97.65	978.9	124.89
Total and average	2,349.6	142.44	1,139.8	90.15	3,489.4	125.36

**Table 34--Volume and average value of timber harvested (cut) from National Forests, Oregon and Washington combined, 1973-96 (continued)**

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

Year and quarter	West side <sup>a</sup>		East side		Total	
	Volume	Average value	Volume	Average value	Volume	Average value
1981:						
1st	350.5	152.08	282.7	107.84	633.2	132.22
2d	591.6	144.22	207.4	106.85	799.0	134.52
3d	637.0	133.65	333.4	82.44	970.5	116.05
4th	344.5	105.92	231.6	53.63	576.1	84.90
Total and average	1,923.7	135.29	1,055.1	87.72	2,978.8	118.44
1982:						
1st	159.8	139.43	142.0	83.65	301.8	113.19
2d	371.3	113.79	132.0	70.63	503.3	102.47
3d	588.7	73.91	293.8	45.72	882.6	64.52
4th	448.2	63.52	322.4	41.30	770.6	54.22
Total and average	1,568.0	87.06	890.2	53.86	2,458.2	75.04
1983:						
1st	386.6	99.50	259.9	98.76	646.5	99.20
2d	737.4	107.62	274.6	123.82	1,012.1	112.02
3d	991.8	96.28	447.3	87.95	1,439.1	93.69
4th	628.8	79.92	561.0	85.95	1,189.8	82.76
Total and average	2,744.7	96.03	1,542.8	95.43	4,287.5	95.81
1984:						
1st	548.1	107.71	309.9	138.20	858.0	118.73
2d	736.3	111.86	217.6	98.96	953.9	108.92
3d	940.0	97.14	597.2	57.08	1,537.2	81.58
4th	729.3	88.03	590.7	86.06	1,320.1	87.15
Total and average	2,953.7	100.52	1,715.5	87.03	4,669.2	95.56
1985:						
1st	466.4	116.94	351.2	130.20	817.6	122.64
2d	748.2	90.39	244.4	76.21	992.5	86.90
3d	1,035.9	86.95	594.1	61.15	1,630.0	77.55
4th	733.4	65.69	586.9	90.43	1,320.3	76.69
Total and average	2,983.9	87.28	1,776.6	86.54	4,760.5	87.00
1986:						
1st	474.5	90.84	310.2	99.45	784.7	94.24
2d	837.0	100.59	357.0	93.25	1,193.9	98.39
3d	1,053.3	91.93	613.0	80.52	1,666.3	87.73
4th	944.3	110.37	668.7	100.84	1,613.0	106.42
Total and average	3,309.0	99.23	1,948.9	92.84	5,257.9	96.86
1987:						
1st	571.8	128.38	337.4	113.56	909.2	122.88
2d	1,029.7	116.68	366.9	93.54	1,396.6	110.57
3d	1,061.7	107.12	616.7	95.34	1,678.4	102.79
4th	807.4	129.13	649.2	119.39	1,456.5	124.79
Total and average	3,470.6	118.58	1,970.2	106.03	5,440.8	114.04
1988:						
1st	769.4	153.97	418.2	137.03	1,187.6	148.00
2d	1,048.0	189.49	327.6	113.56	1,375.5	171.41
3d	988.0	152.52	400.1	111.30	1,388.1	140.64
4th	973.4	165.15	581.5	120.87	1,554.9	148.59
Total and average	3,778.8	166.32	1,727.4	121.18	5,506.1	152.16
1989:						
1st	491.7	201.12	400.9	155.57	892.6	180.66
2d	870.2	195.56	311.5	138.87	1,181.7	180.61
3d	1,004.2	186.71	597.3	107.84	1,601.5	157.30
4th	669.6	196.05	623.1	131.34	1,292.6	164.85
Total and average	3,035.7	193.64	1,932.8	130.31	4,968.5	169.01



**Table 34--Volume and average value of timber harvested (cut) from National Forests, Oregon and Washington combined, 1973-96 (continued)**

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

Year and quarter	West side <sup>a</sup>		East side		Total	
	Volume	Average value	Volume	Average value	Volume	Average value
1990:						
1st.	252.6	256.75	349.5	162.60	602.2	202.10
2d	582.5	253.77	262.4	126.17	844.9	214.14
3d	686.4	223.12	453.2	96.28	1,139.6	172.68
4th	428.0	226.62	480.8	116.15	908.8	168.18
Total and average	1,949.5	237.41	1,546.0	122.53	3,495.5	186.60
1991:						
1st	252.4	251.93	277.3	142.70	529.7	194.75
2d	464.0	258.90	249.7	145.37	713.7	219.18
3d	542.9	246.99	471.3	137.01	1,014.2	195.88
4th	287.3	246.04	340.2	170.16	627.5	204.90
Total and average	1,546.6	251.20	1,338.6	148.18	2,885.2	203.40
1992:						
1st	224.8	310.34	268.7	218.65	493.5	260.40
2d	304.7	289.56	238.2	162.04	542.9	233.61
3d	235.7	280.58	240.5	133.16	476.2	206.13
4th	200.0	289.98	268.0	171.12	468.1	221.92
Total and average	965.2	292.29	1,015.4	172.58	1,980.6	230.92
1993:						
1st	101.9	353.56	211.0	311.45	312.8	325.16
2d	160.5	392.06	185.6	283.93	347.1	334.25
3d	255.2	344.63	283.0	199.12	538.2	268.12
4th	184.0	361.76	275.9	208.86	459.9	270.04
Total and average	702.6	361.32	955.4	243.21	1,658.0	293.26
1994:						
1st	69.7	385.31	144.6	247.18	214.3	292.13
2d	125.8	381.86	122.9	198.35	248.7	292.19
3d	119.8	353.31	84.1	176.51	203.9	280.35
4th	110.8	353.38	170.9	243.65	281.7	286.80
Total and average	426.1	367.00	522.5	233.16	948.7	287.77
1995:						
1st	63.0	372.55	100.6	204.40	163.6	269.15
2d	82.3	381.37	82.0	215.33	164.2	298.48
3d	92.6	329.13	175.0	189.66	267.5	237.92
4th	82.7	323.66	131.7	139.03	214.4	210.25
Total and average	320.5	349.66	489.3	183.37	809.8	249.19
1996:						
1st	48.2	340.21	93.6	148.87	141.8	213.92
2d	64.4	392.46	96.3	63.44	160.6	195.28
3d	109.0	359.51	149.9	123.85	258.9	223.08
4th	73.1	388.06	102.3	96.28	175.5	217.90
Total and average	294.8	370.63	442.1	109.61	736.8	214.02

<sup>a</sup>Includes a small portion of the Rogue River and Siskiyou National Forest that lies in northern California.

Source: U.S. Department of Agriculture, Forest Service. 1973-96.

**Table 35--Real<sup>a</sup> and seasonally adjusted cut and sold prices, east side, Pacific Northwest Region**

Year and quarter	Cut prices		Sold prices	
	Observed	Seasonally adjusted	Observed	Seasonally adjusted
<i>1982 dollars</i>				
1973:				
1st	89.86		126.22	
2d	98.21	90.15	144.19	148.08
3rd	94.42	117.44	190.92	179.43
4th	89.77	110.77	144.13	191.31
1974:				
1st	120.28	80.59	211.21	145.44
2d	103.38	80.15	155.73	143.74
3rd	70.15	76.05	127.96	114.23
4th	37.17	62.76	92.83	93.76
1975:				
1st	50.05	47.50	63.02	62.07
2d	73.70	62.39	60.24	56.85
3rd	65.15	94.42	56.64	77.70
4th	68.73	99.95	52.54	86.24
1976:				
1st	116.17	84.17	129.56	85.08
2d	117.98	103.81	77.71	111.77
3rd	97.75	127.82	114.04	124.89
4th	96.81	124.53	135.68	148.87
1977:				
1st	125.74	102.01	153.15	134.35
2d	138.20	128.98	143.38	153.30
3rd	124.80	164.32	158.11	175.95
4th	143.90	158.56	172.17	199.81
1978:				
1st	156.51	125.64	203.38	181.97
2d	158.60	145.45	199.51	222.17
3rd	139.01	189.62	224.48	241.99
4th	146.53	179.57	281.05	264.87
1979:				
1st	206.02	137.16	226.15	210.90
2d	169.60	152.65	240.22	208.37
3rd	130.70	162.12	179.26	211.19
4th	124.05	127.06	206.38	201.12
1980:				
1st	131.51	87.59	186.79	154.28
2d	81.58	96.27	165.56	146.16
3rd	79.78	110.32	119.15	150.93
4th	104.68	110.11	126.12	157.09

**Table 35--Real<sup>a</sup> and seasonally adjusted cut and sold prices, east side, Pacific Northwest Region (continued)**

Year and quarter	Cut prices		Sold prices	
	Observed	Seasonally adjusted	Observed	Seasonally adjusted
<i>1982 dollars</i>				
1981:				
1st	112.23	85.92	169.97	131.46
2d	108.74	86.83	161.16	129.03
3rd	83.33	96.32	120.37	114.19
4th	54.27	79.39	76.10	90.49
1982:				
1st	83.93	53.49	81.77	55.92
2d	70.80	58.48	53.81	53.23
3rd	45.61	74.64	34.02	56.70
4th	41.16	83.67	48.05	67.69
1983:				
1st	98.37	73.31	82.29	63.97
2d	122.92	94.89	84.01	76.09
3rd	86.48	124.60	66.71	81.40
4th	84.10	108.48	78.12	90.40
1984:				
1st	133.73	77.30	84.37	74.32
2d	95.12	88.87	102.49	72.08
3rd	55.00	104.80	61.57	74.66
4th	83.14	91.79	46.30	71.21
1985:				
1st	126.09	71.96	76.96	61.57
2d	73.71	84.00	76.46	78.16
3rd	59.57	92.91	70.80	92.40
4th	87.54	91.87	95.35	97.13
1986:				
1st	97.74	75.58	112.96	89.67
2d	93.41	90.41	77.31	97.55
3rd	81.04	113.21	108.39	106.12
4th	101.15	104.84	100.20	124.20
1987:				
1st	112.57	83.40	122.45	106.88
2d	91.26	99.40	124.67	130.94
3rd	91.99	125.05	122.29	147.38
4th	114.65	120.64	165.96	155.55
1988:				
1st	130.87	95.67	154.19	127.84
2d	106.69	109.49	128.31	134.42
3rd	103.14	134.61	113.26	144.81
4th	111.46	129.83	153.84	163.68
1989:				
1st	140.24	98.93	161.80	148.51
2d	123.19	115.22	171.70	160.21
3rd	95.98	139.61	165.22	163.27
4th	116.41	126.80	156.36	165.97

**Table 35--Real<sup>a</sup> and seasonally adjusted cut and sold prices, east side, Pacific Northwest Region (continued)**

Year and quarter	Cut prices		Sold prices	
	Observed	Seasonally adjusted	Observed	Seasonally adjusted
<i>1982 dollars</i>				
1990:				
1st	143.13	95.38	135.01	131.51
2d	111.36	105.11	152.41	128.95
3rd	83.07	120.30	134.05	125.77
4th	96.50	115.84	105.79	125.34
1991:				
1st	121.55	96.93	91.74	115.81
2d	125.39	123.72	128.35	133.83
3rd	117.91	168.59	182.97	174.46
4th	146.06	160.47	144.14	213.28
1992:				
1st	188.71	123.00	215.89	189.84
2d	138.14	141.44	239.61	227.00
3rd	112.53	191.85	234.52	282.47
4th	144.69	205.59	238.17	280.06
1993:				
1st	262.46	170.54	374.65	227.03
2d	237.27	204.14	180.28	207.96
3rd	167.33	229.95	204.46	169.06
4th	175.96	194.60	90.93	183.72
1994:				
1st	207.89	145.89	174.89	133.21
2d	165.34	173.83	203.85	150.06
3rd	145.24	196.73	115.66	145.63
4th	199.39	184.64	119.17	121.41
1995:				
1st	164.57	143.94	121.70	94.55
2d	170.63	144.47	88.98	82.66
3rd	150.52	160.35	85.58	67.97
4th	110.87	116.52	41.73	67.42
1996:				
1st	117.78	78.96	45.26	57.55
2d	49.84	82.38	74.80	73.17
3rd	97.37		91.06	
4th	75.22		88.05	

<sup>a</sup> Real or deflated prices are nominal dollars divided by the producer price index 1982=100.

Source: U.S. Department of Agriculture, Forest Service. 1973-96.

**Table 36--Real<sup>a</sup> and seasonally adjusted cut and sold prices, west side, Pacific Northwest Region**

Year and quarter	Cut prices		Sold prices	
	Observed	Seasonally adjusted	Observed	Seasonally adjusted
<i>1982 dollars</i>				
1973:				
1st	127.55		222.62	
2d	121.76	116.23	251.96	257.73
3rd	117.26	142.41	271.07	292.53
4th	126.51	149.70	290.00	315.49
1974:				
1st	159.83	123.46	312.03	301.02
2d	146.15	123.22	364.04	295.06
3rd	110.34	131.22	302.44	272.90
4th	106.37	127.39	207.17	227.20
1975:				
1st	121.21	107.20	175.91	188.46
2d	129.88	114.94	205.45	198.76
3rd	113.89	145.96	205.65	224.05
4th	122.59	155.79	211.71	218.99
1976:				
1st	172.08	136.38	238.89	194.21
2d	163.56	149.38	202.49	207.84
3rd	141.42	176.12	165.32	220.89
4th	156.64	187.14	228.48	227.66
1977:				
1st	188.10	161.13	253.25	227.87
2d	201.07	174.30	245.71	245.52
3rd	162.64	208.87	232.82	261.09
4th	187.58	206.88	254.82	255.56
1978:				
1st	219.22	175.40	270.79	246.16
2d	190.29	182.94	243.72	269.82
3rd	174.10	209.73	268.03	304.94
4th	192.43	212.35	301.73	325.01
1979:				
1st	216.88	174.20	359.31	338.21
2d	196.41	175.00	345.42	379.94
3rd	160.20	193.12	418.81	411.19
4th	168.86	183.44	403.22	396.54
1980:				
1st	186.94	150.32	413.96	346.64
2d	157.63	152.14	319.01	353.31
3rd	147.49	167.18	324.59	352.20
4th	153.32	164.98	362.20	331.91

**Table 36--Real<sup>a</sup> and seasonally adjusted cut and sold prices, west- side, Pacific Northwest Region (continued)**

Year and quarter	Cut prices		Sold prices	
	Observed	Seasonally adjusted	Observed	Seasonally adjusted
<i>1982 dollars</i>				
1981:				
1st	158.27	134.98	348.77	281.81
2d	146.77	129.02	266.02	252.04
3rd	135.10	143.38	210.57	200.04
4th	107.17	135.13	187.46	146.65
1982:				
1st	139.90	98.91	105.28	101.79
2d	114.06	92.17	71.77	85.75
3rd	73.74	94.93	64.46	93.12
4th	63.31	93.40	103.06	101.75
1983:				
1st	99.10	82.77	118.83	102.82
2d	106.84	89.30	112.67	110.88
3rd	94.67	104.07	98.74	113.64
4th	78.20	104.73	115.33	106.55
1984:				
1st	104.23	87.24	110.32	92.74
2d	107.51	92.03	93.43	87.35
3rd	93.61	108.27	71.74	82.82
4th	85.05	103.30	75.50	75.70
1985:				
1st	113.25	84.25	77.85	70.92
2d	87.43	82.26	71.76	77.67
3rd	84.70	88.10	73.77	85.53
4th	63.59	92.13	88.73	96.67
1986:				
1st	89.28	78.73	94.70	98.16
2d	100.76	92.71	121.91	110.51
3rd	92.53	116.90	108.34	124.75
4th	110.70	121.00	119.13	122.38
1987:				
1st	127.26	103.52	130.39	120.33
2d	113.84	110.43	122.04	135.51
3rd	103.36	132.35	135.53	152.87
4th	124.01	150.43	156.59	165.23
1988:				
1st	147.04	134.29	173.78	162.40
2d	178.02	145.85	182.06	179.77
3rd	141.34	177.00	171.93	203.40
4th	152.29	176.57	194.64	213.45
1989:				
1st	181.31	153.13	233.64	223.37
2d	173.48	163.77	236.82	276.70
3rd	166.17	200.44	276.19	312.63
4th	173.76	215.10	365.27	332.38

**Table 36--Real<sup>a</sup> and seasonally adjusted cut and sold prices, west- side, Pacific Northwest Region (continued)**

Year and quarter	Cut prices		Sold prices	
	Observed	Seasonally adjusted	Observed	Seasonally adjusted
<i>1982 dollars</i>				
1990:				
1st	226.01	185.65	324.11	304.86
2d	223.98	195.84	337.82	270.71
3rd	192.51	222.11	257.51	263.59
4th	188.27	222.94	168.39	209.63
1991:				
1st	214.59	190.77	250.07	198.00
2d	223.32	203.12	146.09	228.48
3rd	212.56	248.01	269.85	280.16
4th	211.19	255.55	252.13	297.52
1992:				
1st	267.84	219.03	409.42	278.92
2d	246.85	235.03	235.32	293.19
3rd	237.11	278.43	278.52	325.29
4th	245.19	301.68	254.91	359.62
1993:				
1st	297.94	263.92	482.33	367.19
2d	327.63	287.58	394.47	399.17
3rd	289.61	337.78	415.70	391.02
4th	304.77	336.78	311.57	465.60
1994:				
1st	324.06	281.54	382.14	466.16
2d	318.31	288.13	716.42	492.21
3rd	290.71	324.80	554.33	484.27
4th	289.18	321.88	325.06	390.35
1995:				
1st	299.96	262.14	266.69	295.44
2d	302.19	264.37	384.64	296.34
3rd	261.21	295.66	268.65	302.23
4th	258.10	298.66	270.86	257.60
1996:				
1st	269.15	254.32	238.24	239.93
2d	308.30	274.22	232.42	249.84
3rd	282.63		269.59	
4th	303.17		263.70	

<sup>a</sup> Real or deflated prices are nominal dollars divided by the producer price index 1982=100.

Source: U.S. Department of Agriculture, Forest Service. 1973-96.

This page has been left blank intentionally.  
Document continues on next page.



This page has been left blank intentionally.  
Document continues on next page.

This page has been left blank intentionally.  
Document continues on next page.

**Haynes, Richard W. 1998.** Stumpage prices, volume sold, and volumes harvested from the National Forests of the Pacific Northwest Region, 1984 to 1996. Gen. Tech. Rep. PNW-GTR-423. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 91 p.

Two measures of stumpage prices and timber volumes from individual National Forests have been compiled for the Pacific Northwest Region, USDA Forest Service. The first measure is the price and volume of timber sold (1984-96) for the major species for each National Forest. The second measure is the price and volume of timber harvested (1988-96) from individual National Forests. Several price-related issues are discussed including seasonality in the data, the role of prices in monitoring market activity, and the impact of the recent drop in Forest Service timber sales.

Keywords: Stumpage prices, National Forests, monitoring, Pacific Northwest.

The **Forest Service** of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives—as directed by Congress—to provide increasingly greater service to a growing Nation.

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means of communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, DC 20250, or call (800) 245-6340 (voice), or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

Pacific Northwest Research Station  
333 S.W. First Avenue  
P.O. Box 3890  
Portland, Oregon 97208-3890

---

U.S. Department of Agriculture  
Pacific Northwest Research Station  
333 S.W. First Avenue  
P.O. Box 3890  
Portland, OR 97208

---

Official Business  
Penalty for Private Use, \$300

**do NOT detach label**