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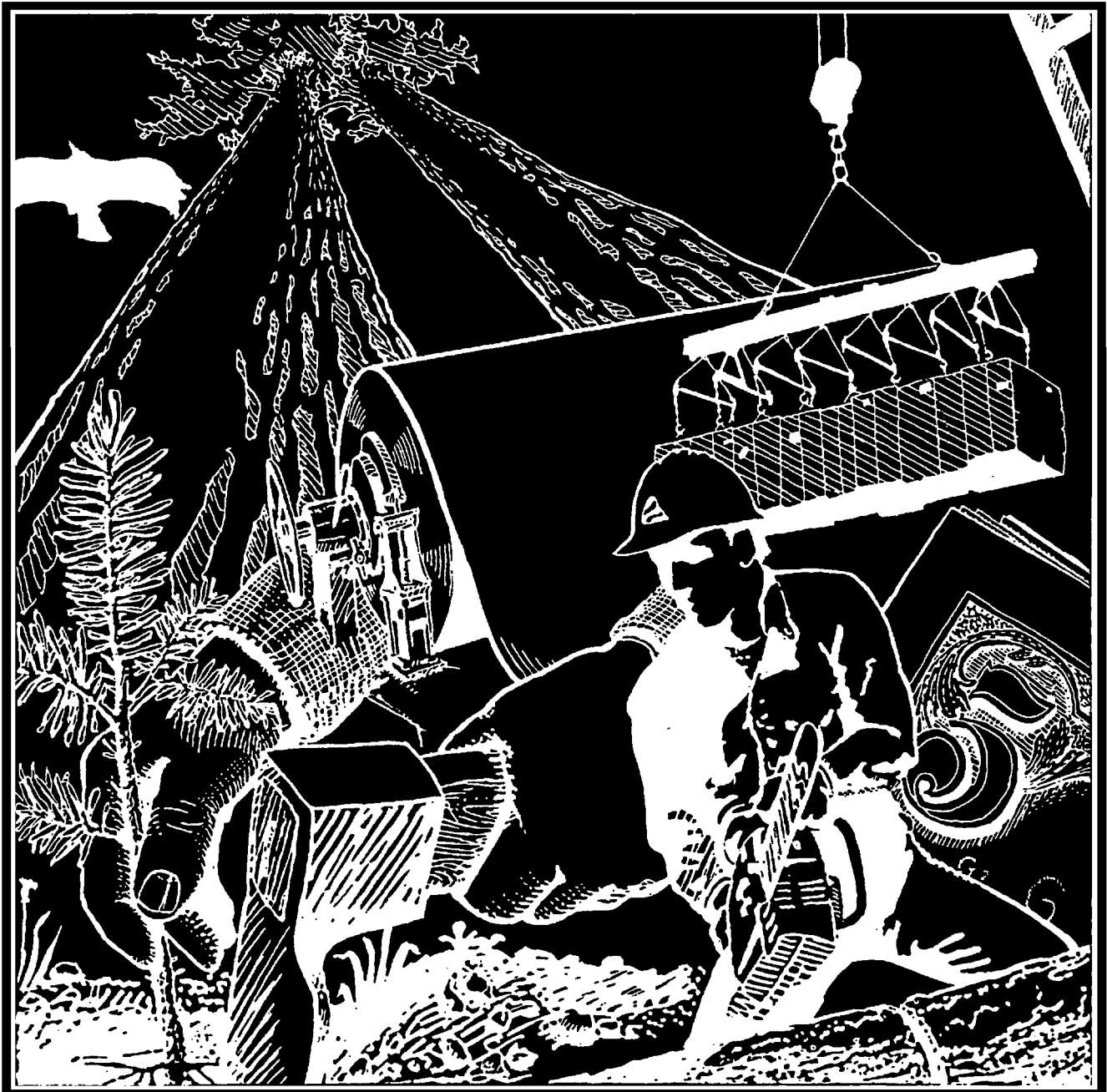
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Production, Prices, Employment and Trade in Northwest Forest industries, First Quarter 1997

Debra D. Warren



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ABSTRACT

Warren, Debra D. 1997. Production, prices, employment, and trade in Northwest forest industries, first quarter 1997. Resour. Bull. PNW-RB-227. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 130 p.

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

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

PREFACE

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

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

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

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

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

AUTHOR

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Western Lumber Production and Prices

- *Softwood lumber production*

A total of 16.8 billion board feet of softwood lumber was produced in the Western United States in 1996, and the total U.S. figure was **33.8** billion board feet (table 1). Total softwood lumber production in the first quarter of 1997 was 8.6 billion board feet, and 50.0 percent of that was produced in the West.

- *Wholesale lumber prices*

Average wholesale prices increased in 1996 for most of the selected lumber products (table 7). First quarter 1997 prices averaged a 4.8-percent increase from the fourth quarter of 1996, across all five selected lumber products.

Plywood Production and Prices

- *Plywood production increases in 1996*

United States softwood structural panel board production in 1996, at 27,787 million square feet (3/8-inch basis), increased 3.8 percent from 1995. Production in the first quarter of 1997 was 6.5 million board feet, down from the fourth quarter of 1996 (table 1).

Wholesale prices of selected plywood products decreased slightly from 1995 to 1996. First quarter 1997 prices averaged a 3.5-percent increase (table 8) from the fourth quarter 1996 prices.

Employment in Forest Products Industries

- *Employment numbers down in 1996*

The number of persons employed in the lumber and wood products industries decreased in 1996 in Washington and Oregon (table 21). First quarter 1997 Oregon and Washington employment numbers were down slightly from fourth quarter 1996.

In Oregon and Washington, there were 13.9 direct jobs per million board feet of timber harvested in 1995 (using the harvest figures from table 16).

Log, Pulp, and Chip Exports

- *Washington and Oregon log exports*

Log exports from Washington and Oregon ports totaled 1,502.9 million board feet in 1996, as compared to 1,604.8 million board feet in 1995. In the first quarter of 1997, Washington Customs District exported 167.9 million board feet of logs to all countries, and Oregon Customs District exported 126.2 (table 25).

- *Log export prices for Washington and Oregon*

Softwood log exports from Washington and Oregon ports averaged \$926.59 (per thousand board feet) in 1996, down from the 1995 average of \$940.89. The first quarter 1997 values for both states averaged \$978.26 (table 27), up from \$973.00 in the fourth quarter of 1996.

- *Log exports from California and Alaska*

San Francisco Customs District exported **6.5** percent more logs in 1996 than in 1995 (table 28). The Anchorage Customs District exported 5.6 percent less logs in 1996 than in 1995 (table 29).

- e *Pulp volumes in the Pacific Northwest*

The Seattle, Anchorage, and San Francisco Customs Districts showed decreases in pulp export volumes from 1995 to 1996 (table 46).

- e *Average value of pulp exports*

The Seattle Custom District showed an increase in the average value for dissolving grade of pulp exports from 1995 to 1996 (table 47).

- e *Chip exports*

Seattle and Anchorage Customs Districts reflected an increase in the volume of chips exported in 1996. Average values of chips decreased in all four customs districts (table 48).

Lumber, Plywood, and Veneer Exports

- *Lumber export volumes from the Northwest*

The lumber export figures showed a slight increase for Washington and a decrease for Oregon Customs Districts from 1995 to 1996 (table 50). The Columbia-Snake Customs District had a decrease of 2.4 percent from 1995, and the Seattle Customs District rose 0.1 percent. Both northern and southern California lumber exports increased (tables 53 and 54). Alaska decreased lumber export volumes by 46.7 percent from 1995 to 1996 (table 55).

- *Average value of lumber exports*

In the Seattle and Columbia-Snake Customs Districts, the average value of lumber exports rose from \$699.76 (per thousand board feet) in 1995 to \$732.63 in 1996 (table 52). Northern California (table 54) lumber export prices decreased from \$955.89 in 1995 to \$712.19 in 1996.

Timber Sold by Forest Service Regions

a Lumber imports increase in Washington

The Seattle Customs District imported nearly **3.8** billion board feet of lumber in 1996, mostly from Canada (table 68). The Columbia-Snake Customs District imported 43.4 million board feet in 1996, compared with 45.1 million in 1995 (table 70).

- *Softwood plywood exports increase*

The 1996 softwood plywood exports increased from the Seattle Customs District. The average values dropped in 1996 (table 72).

- *Softwood veneer exports increase in 1996*

Compared with 1995, softwood veneer export volumes were up 7.9 percent in Washington in 1996 (table 74). Veneer export values showed only slight increases for Washington in 1996.

- *Sold volume in Northern Region*

Not all ownership numbers are available, but the amount of timber sold on National Forest lands in Montana and northern Idaho increased 85.3 percent from 1995 to 1996 (table 75).

- *Sold volume in northern California*

In 1996, the volume of timber **sold** on USDA Forest Service lands in northern California increased 6.0 percent from the 1995 total (table 83).

- *Sold volume in Washington and Oregon*

Oregon and Washington showed an increase of 49.5 percent in the amount of timber sold on USDA Forest Service lands from 1995 to 1996 (table 89).

- *Sold volume in Alaska*

In 1996, the volume of timber sold on National Forest lands in Alaska increased 16.6 percent from 1995 (table 95). Average values rose significantly (table 96).

Western Lumber Production and Prices

- *Softwood lumber production*

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TABLES AND FIGURES

Table 1—U.S. softwood lumber and structural panel board production, 1986-97

Year	U.S. softwood lumber production				U.S. softwood structural panel board production
	Total softwood lumber	Western region ^a	Southern pine region	Other softwoods	
	----- Million board feet -----				Million feet, 3/8-inch basis
1986	35,273	21,915	11,678	1,680	25,911
1987	38,235	23,942	12,473	1,820	27,752
1988	38,130	23,638	12,676	1,816	27,567
1989	37,545	23,212	12,544	1,789	27,153
1990	35,791	21,175	12,911	1,705	27,770
1991	33,161	19,075	12,507	1,579	24,539
1992	34,526	18,782	14,106	1,638	25,308
1993	33,077	17,366	14,134	1,577	25,873
1994	33,936	17,550	14,770	1,616	26,788
1995	31,915	15,665	14,731	1,519	26,766
1996	33,812	16,811	15,163	1,838	27,787
1997:					
January	2,880	1,442	1,281	157	2,098
February	2,737	1,375	1,213	149	2,116
March	3,011	1,470	1,377	164	2,282
Total, 1st quarter	8,628	4,287	3,871	470	6,496
April					
May					
June					
Total, 2d quarter					
July					
August					
September					
Total, 3d quarter					
October					
November					
December					
Total, 4th quarter					
1997 total					

^a Includes western, inland, and California redwood regions.

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

Table 2—Lumber production in Northwest States, 1986-96

(In millionboard feet)

Year	Washington	Oregon	California ^a	Montana	Idaho
1986	4,132	8,149	4,865	1,563	1,876
1987	4,645	8,846	5,408	1,640	2,016
1988	4,408	8,601	5,671	1,558	2,015
1989	4,274	8,512	5,320	1,567	2,133
1990	3,919	7,511	4,981	1,459	2,034
1991	3,820	6,595	4,218	1,362	1,919
1992'	4,072	6,200	3,997	1,455	1,958
1993	3,863	5,448	3,539	1,412	1,860
1994	4,200	5,703	3,521	1,310	1,049
1995	4,095	4,953	3,169	1,191	R1,662
1996	3,917	5,374	3,257	1,170	1,802

R =revised.

^a Includes 1 mill in Nevada.

Source: Western Wood Products Association, Portland, Oregon.

⁸ **Table 3—Softwood lumber production in the inland region, by species, 1986-96^a**

(In million board feet)

Year	All softwoods	Ponderosa pine	Idaho white pine	Sugar pine	Douglas-fir and larch	Hem-fir ^b	Engelmann spruce	Lodgepole pine	Other softwoods
1986	10,482	3,759	115	258	2,330	2,055	547	747	671
1987	11,407	3,816	110	321	2,683	2,353	425	932	767
1988	11,395	3,870	104	321	2,731	2,392	653	720	604
1989	11,348	3,767	87	291	2,683	2,600	473	835	612
1990	10,452	3,521	77	307	2,455	2,351	418	756	567
1991	9,510	3,105	68	292	2,374	2,115	424	652	480
1992	9,263	2,989	70	222	2,285	2,058	381	725	533
1993	8,312	2,720	66	154	2,015	1,884	382	644	447
1994	8,097	2,630	55	136	1,952	1,808	391	659	466
1995	7,015	2,204	40	98	1,745	1,649	306	583	390
1996	7,079	2,146	33	122	1,825	1,597	335	612	409

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

^b Western hemlock and white fir.

Source: Western Wood Products Association, Portland, Oregon.

Table 4—Lumber production in the coast region, by species, 1986-96^a

(In million board feet)

Year	All species	Douglas-fir	Hem-fir ^b	Western redcedar	Incense-cedar	Pine	Other softwoods	Hardwoods
1986	9,412	6,479	1,781	475	72	322	13	270
1987	10,354	7,064	1,988	538	84	357	27	296
1988	10,029	6,727	2,000	564	52	358	24	304
1989	9,811	6,662	1,900	522	47	324	36	320
1990	8,751	5,794	1,655	518	58	351	44	331
1991	7,908	5,136	1,503	499	49	287	73	361
1992	7,948	4,973	1,719	500	34	299	52	371
1993	7,319	4,319	1,737	455	34	287	57	430
1994	7,902	4,631	1,955	455	40	289	82	450
1995	7,452	4,412	1,756	528	36	216	53	451
1996	7,745	4,478	2,090	509	31	167	63	407

^a Includes western Washington and western Oregon.

^b Western hemlock and white fir combined.

Source: Western Wood Products Association, Portland, Oregon.

Table 5—Softwood structural panel board production in the United States, by State, 1986-96"

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

Year	Total	Oregon	Washington	California	Montana, Idaho, and Colorado	Southern States ^b	Northern States ^c
1986	25,632.8	7,826.3	1,718.6	121.6	1,405.6	12,272.1	2,288.5
1987	27,001.4	8,381.2	1,712.2	102.9	1,528.5	12,854.9	2,421.7
1988	27,202.8	7,850.4	1,585.8	126.3	1,501.2	13,609.3	2,529.8
1989	26,940.3	6,774.9	1,462.2	94.2	1,550.7	13,740.0	2,868.3
1990	26,337.2	5,962.1	1,255.4	62.0	1,539.9	14,501.0	3,016.8
1991	24,265.2	4,952.1	1,172.6	58.4	1,405.2	13,596.0	3,080.9
1992	25,984.7	4,766.8	1,155.5	58.9	1,440.0	15,051.2	3,512.2
1993	26,317.8	4,113.2	1,243.3	0.0	1,419.0	15,883.1	3,659.2
1994	27,124.3	4,293.7	1,151.1	0.0	1,322.7	16,596.0	3,760.9
1995	27,269.6	3,824.0	1,140.2	0.0	1,350.7	17,202.4	3,752.2
1996	28,495.0	3,773.0	1,045.0	0.0	1,262.0	18,747.0	3,668.0

^a Structural panel board includes plywood, waferboard, and oriented strand board (OSB).

^b Includes Alabama, Arkansas, Florida, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Texas, Virginia, and West Virginia.

^c Includes Maine, Michigan, Minnesota, New Hampshire, New York, and Wisconsin.

Source: American Plywood Association.

Table 6—Softwood lumber and plywood production in British Columbia, 1986-96

Year	Softwood lumber production			Softwood plywood production
	Total	Coast	Interior	
	----- Million board feet -----			Million ft ² , 3/8-inch basis
1986	13,335	3,753	9,582	1,733
1987	15,888	4,674	11,214	2,144
1988	15,572	4,583	10,989	2,067
1989	15,236	4,140	11,096	2,071
1990	14,186	3,787	10,399	1,853
1991	13,309	3,466	9,843	1,610
1992	14,141	3,516	10,625	1,754
1993	14,381	3,585	10,796	1,741
1994	14,269	3,681	10,588	1,736
1995	13,820	3,313	10,507	1,722
1996	13,845	3,387	10,458	1,671

Source: Statistics Canada, Ottawa, Canada, and Council of Forest Industries.

Table 7—Wholesale prices of selected lumber products, 1986-97

(In dollars per thousand board feet)

Year	Douglas-fir std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill	Ponderosa pine boards, no. 3, 1 by 12 RL, KD , net, f.o.b. mill	Ponderosa pine, no. 2 shop, 6/4 RWRL, S2S , net, f.o.b. mill	Fir-larch std. and btr., 2 by 4 RL, 8/20', KD , net, f.o.b. mill	Spruce-pine-fir std. and btr., 2 by 4 RL, 8/20', KD, net, f.o.b. mill
1986	214.94	257.48	581.02	207.63	182.26
1987	227.52	268.99	634.79	222.58	200.15
1988	232.19	279.49	630.00	214.68	185.75
1989	263.51	333.83	577.91	237.07	183.70
1990	241.74	286.34	539.34	224.60	186.25
1991	249.99	344.01	674.56	233.71	187.10
1992	294.51	463.29	831.40	281.72	231.15
1993	418.27	483.58	1,061.65	410.23	334.01
1994	408.92	533.06	1,028.79	398.65	344.25
1995	332.49	468.38	970.40	325.92	250.88
1996	421.77	461.58	919.19	420.28	350.80
1997:					
January	449.40	578.00	1,080.00	440.80	408.20
February	458.00	637.50	1,080.00	445.00	404.50
March	433.25	686.25	1,080.00	428.50	376.00
Average, 1st quarter	446.88	633.92	1,080.00	438.10	396.23
April					
May					
June					
Average, 2d quarter					
July					
August					
September					
Average, 3d quarter					
October					
November					
December					
Average, 4th quarter					
1997 average					
..... 1st quarter 1997 change, in percent - - - - -					
From:					
4th quarter 1996	-.6	27.7	1.6	-1.8	-2.7
1st quarter 1996	21.8	41.3	32.2	21.6	46.4

Source: Random Lengths Publications, Inc.

Table 8—Wholesale prices of selected softwood plywood products, 1986-97

(In dollars per thousand square feet)

Year	Sheathing, western exterior, 3/8-inch, CD, net f.o.b. mill	Sheathing, southern (west) ^a exterior, 3/8-inch, CD, net f.o.b. mill	Sanded, western interior, 1/4-inch, AD, net f.o.b. mill
1986	157.22	151.31	176.06
1987	151.17	150.98	184.88
1988	151.58	140.09	190.65
1989	176.36	163.56	237.30
1990	171.37	154.75	258.21
1991	172.27	151.69	242.02
1992	212.10	202.34	274.83
1993	237.80	221.38	323.75
1994	251.93	239.40	326.82
1995	256.93	241.71	337.56
1996	230.08	200.75	339.23
1997:			
January	231.25	207.00	346.50
February	243.75	211.50	369.50
March	243.50	219.00	375.00
Average, 1st quarter	239.50	212.50	363.67
April			
May			
June			
Average, 2d quarter			
July			
August			
September			
Average, 3d quarter			
October			
November			
December			
Average, 4th quarter			
1997 average			
----- 1st quarter 1997 change, in percent -----			
From:			
4th quarter 1996	5.3	2.7	2.5
1st quarter 1996	7.8	3.6	13.7

^a Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

Table 9--Percentage of total volume and f.o.b. mill prices for Douglas-fir lumber, coast mills, 1986-97^a

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

Year	C selects		D selects and shop		Structural items		Heavy framing		Light framing		Utility		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1986	2.1	726	2.3	405	15.6	240	24.0	229	43.7	191	8.6	132	3.6	67	3,584,260
1987	2.0	837	2.8	411	14.5	257	23.3	258	45.4	206	8.2	138	3.8	66	3,975,895
1988	1.8	927	2.1	474	16.7	297	21.8	285	46.2	219	7.1	138	4.3	85	3,691,263
1989	1.0	1,078	1.6	503	15.9	325	22.9	330	47.4	246	7.0	168	4.2	110	3,659,762
1990	1.0	1,236	1.5	521	16.1	305	22.5	310	47.9	232	6.5	156	4.5	102	3,038,613
1991	.6	1,200	1.2	535	14.3	316	23.5	306	48.7	230	7.3	158	4.4	101	2,674,855
1992	.3	1,350	1.0	576	11.6	348	24.3	349	51.9	273	6.6	205	4.2	123	2,507,869
1993	.1	1,197	.7	809	11.2	511	24.2	517	54.7	393	5.4	295	3.7	175	2,386,007
1994	.1	1,413	.8	752	11.5	478	23.5	485	55.0	385	5.3	294	3.8	148	2,700,841
1995	.1	1,172	.7	699	12.2	448	21.9	442	57.2	330	4.9	224	3.0	142	2,436,390
1996	0	--	.7	668	10.1	519	21.8	485	60.1	392	3.5	261	3.8	134	2,385,259
1997:															
1st quarter	0	--	.4	721	9.6	556	22.2	528	60.5	414	3.4	272	3.9	150	600,845
2d quarter															
3d quarter															
4th quarter															
1997 average															

^a Figures are a volume-weighted average of green and dry surfaced and rough grades.

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

Table 10—Percentage of total volume for ponderosa pine lumber, inland mills, 1986-97^a

(In thousand board feet)

Year	4/4 selects and 1 shop					5/4 and thicker moulding and shops					4/4 commons and 8/4 std. & btr.				Low value		Total volume, all grades
	C and btr. 6-12 in.	D 12 in.	C and btr. 4 in. D 6-10 in.	D 4 in.	1 shop	Mldg. and btr.	1 shop	2 shop	3 shop	Shopout	2 com. 12 in.	2 com. 4-10 in.	3 com. 6-12 in. 8/4 dim.	3 com. 4 in. 4 com. 4-12 in.	No.3 and util.	5 com. and econ.	
1986	1.0	.3	.6	.8	2.8	4.9	3.3	17.9	16.6	4.5	4.3	6.7	27.6	6.1	1.4	1.3	2,164,591
1987	.9	.2	.4	.7	2.4	5.7	3.1	17.9	17.5	4.7	4.0	6.0	28.1	5.3	1.6	1.4	2,331,497
1988	.8	.2	.4	.7	2.7	5.8	2.7	17.2	18.0	5.4	3.9	5.5	28.4	5.2	1.7	1.5	2,252,696
1989	.6	.2	.3	.7	2.2	5.6	2.9	17.8	19.9	6.7	3.8	5.8	25.9	5.0	1.2	1.4	2,204,308
1990	.6	.1	.3	.6	2.0	5.3	2.7	17.8	21.3	7.0	3.7	5.4	25.0	5.2	1.1	1.7	2,045,830
1991	.7	.1	.3	.7	2.1	6.0	2.9	17.8	22.7	7.8	3.6	5.6	22.0	4.7	1.3	1.6	1,789,289
1992	.5	.1	.3	.7	1.8	5.9	2.5	16.5	23.2	9.8	3.1	7.0	20.9	4.9	1.1	1.4	1,643,951
1993	.3	.1	.2	.5	1.6	4.7	1.8	12.6	21.5	14.8	3.3	8.9	21.9	5.2	1.4	1.2	1,844,062
1994	.3	.1	.2	.5	1.4	4.1	1.5	10.8	20.8	14.7	3.4	10.4	23.5	5.5	1.3	1.5	1,712,968
1995	.3	.1	.2	.4	1.5	3.8	1.3	10.2	21.0	15.0	4.0	11.9	22.1	5.8	1.3	1.1	1,519,049
1996	.3	.1	.2	.4	1.5	3.3	1.2	9.4	20.8	17.7	3.5	12.1	21.2	6.2	1.1	1.1	1,421,090
1997:																	
1st quarter	.1	0.0	.1	.4	1.3	2.8	1.0	8.3	20.2	18.4	3.1	12.4	22.8	6.7	.9	1.2	382,935
2d quarter																	
3d quarter																	
4th quarter																	
1997 average																	

^a Figures are a volume-weighted average of green and dry surfaced and rough grades.

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

Table 11—F.O.B. mill prices for ponderosa pine lumber, inland mills, 1986-97

(In dollars per thousand board feet)

Year	4/4 selects and 1 shop					5/4 and thicker moulding and shops					4/4 commons and 8/4 std. & btr.				Low value	
	C and btr. 6-12 in.	D 12 in.	C and 4 in. D 6-10 in.	D 4 in.	1 shop	Mldg. and btr.	1 shop	2 shop	3 shop	Shopout	2 corn. 12 in.	2 corn. 4-10 in.	3 com. 6-12 in. 8/4 dim.	3 com. 4 in. 4 com. 4-12 in.	No.3 and util.	5 com. and econ.
1986	1,509	1,169	1,021	654	636	1,093	688	576	404	207	430	325	227	163	130	79
1987	1,563	1,336	1,088	703	442	1,306	762	644	413	224	447	367	247	175	131	79
1988	1,892	1,510	1,076	689	452	1,282	746	625	411	229	505	363	246	174	137	87
1989	1,805	1,523	1,016	740	438	1,265	730	589	434	258	532	331	261	189	155	105'
1990	1,478	1,453	996	683	435	1,051	677	542	414	247	534	356	248	187	145	99
1991	1,335	1,259	911	654	425	1,090	795	655	517	259	523	372	272	184	147	99
1992	1,749	1,484	1,195	856	622	1,371	970	845	631	335	686	423	337	226	196	133
1993	2,198	1,910	1,510	1,019	700	1,957	1,189	1,059	741	447	706	498	381	289	250	174
1994	2,347	2,343	1,316	880	800	1,753	1,145	1,017	701	448	803	569	413	302	254	157
1995	1,887	1,982	1,095	737	550	1,491	1,089	972	661	410	695	507	367	251	215	158
1996	1,569	1,251	1,071	802	585	1,381	1,005	899	692	427	683	544	361	250	224	141
1997:																
1st quarter	1,813	1,387	1,261	844	648	1,625	1,181	1,065	851	496	909	645	427	294	245	153
2d quarter																
3d quarter																
4th quarter																
1997 average																

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

Table 12—Percentage of total volume and f.o.b. mill prices for hem-fir lumber, inland mills, 1986-97^a

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

Year	Moulding		Shop		Structural items		Heavy framing		Light framing		Utility		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1986	1.9	605	4.8	308	.8	240	28.1	242	48.5	198	10.3	132	5.6	72	1,382,074
1987	1.7	706	4.9	354	.6	261	29.3	280	47.8	214	10.0	132	5.6	75	1,562,432
1988	1.7	712	4.8	350	1.6	270	29.7	274	47.3	215	9.6	134	5.3	85	1,613,020
1989	1.9	743	5.6	393	1.9	277	30.4	279	46.1	230	9.3	154	4.9	102	1,710,614
1990	1.4	910	5.4	399	1.8	283	29.7	260	47.6	221	8.8	143	5.1	93	1,563,427
1991	1.3	790	4.6	431	2.0	282	30.9	265	46.1	226	9.7	139	5.4	95	1,520,080
1992	1.4	898	5.3	487	3.1	316	31.3	306	44.9	271	8.9	186	5.1	131	1,433,806
1993	1.3	1,277	4.6	663	4.0	444	29.7	439	47.1	373	8.9	276	4.5	181	1,312,611
1994	1.0	1,111	3.8	650	3.9	469	29.3	451	48.4	398	9.1	300	4.5	153	1,305,572
1995	.8	1,133	3.9	602	3.8	407	29.1	399	48.1	325	10.1	244	4.3	140	1,103,315
1996	.8	1,149	4.2	584	3.5	454	25.6	431	53.7	392	7.4	241	4.9	140	1,087,999
1997:															
1st quarter	.7	1,005	4.0	705	3.0	513	27.2	499	52.0	418	7.8	279	5.3	167	333,180
2d quarter															
3d quarter															
4th quarter															
1997 average															

^a Figures are a volume-weighted average of green and dry surfaced and rough grades.

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

Table 13—Percentage of total volume and f.o.b. mill prices for hem-fir lumber, coast mills, 1986-97^a

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

Year	C selects		D selects and shop		Structural items		Heavy framing		Ught framing		Utility		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1986	.4	606	2.5	343	3.1	242	16.2	248	64.0	197	8.4	129	5.4	75	1,000,702
1987	.3	601	2.3	414	2.9	273	14.8	286	64.9	215	9.3	131	5.3	76	1,011,504
1988	.3	633	2.2	461	3.2	273	14.2	289	66.4	221	8.2	137	5.5	89	946,868
1989	.3	718	2.0	466	4.2	274	16.9	298	63.6	234	7.4	155	5.8	105	903,323
1990	.2	820	1.5	500	5.5	270	16.4	283	62.8	224	7.5	150	6.1	97	784,600
1991	.2	800	1.6	463	4.8	283	16.3	277	62.3	230	8.7	147	6.2	96	696,775
1992	.1	883	1.5	488	5.8	321	17.3	312	62.5	266	6.9	188	6.0	129	922,463
1993	0	--	.8	640	6.7	433	17.4	443	61.8	365	7.2	238	6.1	179	977,364
1994	0	--	.6	596	4.1	436	19.0	452	62.6	384	6.7	268	7.0	164	1,180,705
1995	0	--	.5	590	3.7	357	22.9	397	59.1	312	7.6	209	6.2	154	1,001,187
1996	0	--	.5	593	3.4	424	20.5	436	61.2	376	7.4	243	7.0	148	1,177,493
1997:															
1st quarter	0	--	.4	590	3.2	473	20.1	485	62.2	396	6.8	276	7.3	166	327,566
2d quarter															
3d quarter															
4th quarter															
1997 average															

^a Figures are a volume-weighted average of green and dry surfaced and rough grades.

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

Table 14—Weighted average f.o.b. mill prices for coast and inland lumber, 1986-97

(In dollars per thousand board feet)

Year	Coast			Inland		
	Douglas-fir	Hem-fir	Weighted average	Ponderosa pine	Hem-fir	Weighted average
1986	214	200	211	419	198	333
1987	233	217	230	455	233	366
1988	253	225	247	450	234	360
1989	279	240	271	452	252	364
1990	265	228	257	416	239	339
1991	259	230	253	481	240	371
1992	295	268	288	591	289	450
1993	427	365	409	672	404	560
1994	409	377	399	645	413	545
1995	361	317	348	580	351	483
1996:						
1st quarter	360	316	346	520	328	435
2d quarter	404	350	387	535	388	475
3d quarter	454	394	433	566	428	506
4th quarter	427	375	410	649	433	553
1996 average	413	365	397	568	395	493
1997:						
1st quarter	439	392	423	653	433	551
2d quarter						
3d quarter						
4th quarter						
1997 average						

Note: Weighted averages are based on the volume of all grades combined.

Source: Western Wood Products Association.

Figure I--Weighted average f.o.b. mill prices for coast and inland lumber, 1986-96

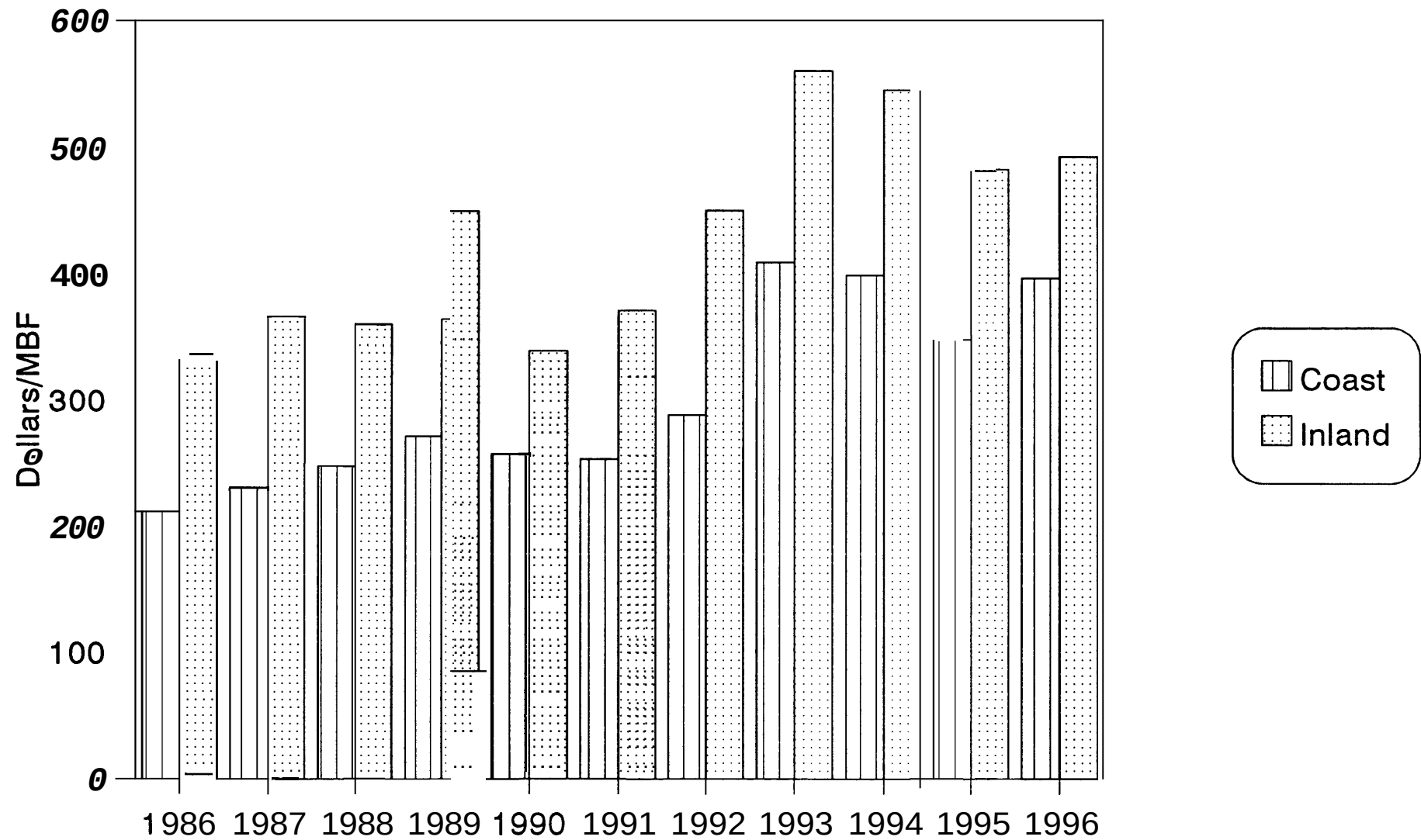


Table 15—Average prices for domestic and exported alder, western region, 1986-97

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

Year and quarter	Domestic alder		Exported alder	
	1 by 4 green pallet stock	4/4 select and better	Logs	Lumber
1986	190.50	748.00	NA	NA
1987	218.13	761.88	NA	677.11
1988	245.00	772.31	NA	850.93
1989	254.61	888.31	690.73	791.70
1990	255.00	944.71	413.42	851.06
1991	223.87	938.83	424.29	875.80
1992	239.73	1,027.27	506.50	1,035.20
1993	276.98	1,191.46	592.40	1,153.19
1994	268.80	1,236.06	1,651.04	1,249.99
1995	260.00	1,210.00	536.43	1,098.04
1996:				
1st quarter	260.00	1,210.00	426.39	1,228.53
2d quarter	208.08	1,244.62	512.03	1,127.44
3d quarter	185.00	1,310.00	643.15	1,112.24
4th quarter	NA	NA	539.55	1,062.44
1996 average	NA	NA	513.97	1,139.34
1997:				
1st quarter	NA	NA	590.79	1,096.65
2d quarter				
3d quarter				
4th quarter				
1997 average				

NA = not available.

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

Table 16—Washington and Oregon timber harvest by ownership, 1986-96

(In million board feet, Scribner scale)

State and year	Private	State	National Forest	Bureau of Land Management	Bureau of Indian Affairs	Other public	Total
Washington:							
1986	3,989	1,064	1,232	4	235	32	6,556
1987	4,367	970	1,423	5	238	35	7,037
1988	4,406	826	1,486	0	271	56	7,045
1989	4,520	842	1,141	1	262	22	6,788
1990	4,147	657	817	4	182	42	5,849
1991	3,650	535	704	1	172	42	5,104
1992	3,844	476	461	a	186	51	5,018
1993	3,321	461	322	a	192	33	4,330
1994	3,421	323	200	a	199	14	4,156
1995	3,490	496	150	a	230	26	4,393
1996	3,274	600	86	a	270	40	4,270
Oregon:							
1986	3,494	225	3,850	1,042	104	28	8,743
1987	3,281	199	3,451	1,115	117	52	8,215
1988	3,259	270	3,487	1,439	121	39	8,615
1989	3,721	198	3,307	1,026	124	44	8,420
1990	3,229	137	2,014	704	98	37	6,219
1991	3,312	91	2,068	486	87	36	6,080
1992	3,581	135	1,403	483	111	29	5,742
1993	3,608	116	1,102	361	75	31	5,294
1994	3,244	130	596	92	80	25	4,167
1995	3,432	109	515	139	79	30	4,304
1996P	NA	114	401	289	NA	NA	NA

P =preliminary.

NA =not available.

^a Less than 1 million board feet.

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

**Table 17—British Columbia timber harvest,
1986-96**

(In thousand cubic meters)

Year	Coast ^a	Interior ^b	Total
1986	26 561	50 942	77 503
1987	33 791	56 800	90 591
1988	32 812	53 994	86 806
1989	29 904	57 474	87 414
1990	25 209	53 108	78 316
1991	24 760	48 916	73 676
1992	24 681	50 239	74 920
1993	25 684	53 555	79 239
1994	25 215	50 435	75 650
1995	25 959	50 512	76 471
1996	22 926	52 287	75 213

^a Comprises the Vancouver Forest District and half of Prince Rupert Forest District.

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

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

Table 18—Montana and Idaho timber harvest by ownership, 1986-96

(In million board feet, Scribner scale)

State and year	Private	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest	Total
Montana:						
1986	708.0	26.2	13.1	9.1	515.4	1,271.8
1987	687.4	55.6	24.0	6.6	638.3	1,411.9
1988	608.5	41.5	56.0	7.7	513.3	1,227.0
1989	636.7	44.0	70.8	6.5	555.9	1,313.8
1990	611.9	31.5	45.6	5.1	444.8	1,138.9
1991	523.9	26.9	43.8	7.1	338.0	939.6
1992	593.2	37.7	50.1	10.3	388.5	1,079.8
1993	636.2	19.8	36.7	4.8	298.3	995.8
1994	706.7	12.9	22.8	1.3	232.3	975.9
1995	693.2	14.6	41.8	2.9	165.4	917.9
1996	612.3	25.2	28.9	3.0	209.0	878.4
Idaho:						
1986	684.0	161.8	12.2	22.8	809.9	1,690.7
1987	722.2	176.7	18.9	18.9	788.4	1,725.0
1988	697.5	208.4	16.2	13.6	725.2	1,660.9
1989	819.7	249.5	13.5	16.4	810.2	1,909.2
1990	738.4	227.1	19.9	10.5	756.8	1,752.7
1991	865.5	163.5	15.8	24.3	739.0	1,808.1
1992	732.8	262.4	17.8	8.1	643.4	1,664.5
1993	790.6	217.3	11.9	4.4	586.2	1,610.3
1994	855.1	206.5	8.3	7.5	429.7	1,507.1
1995	809.8	230.2	12.7	5.4	322.5	1,380.6
1996	822.4	228.9	13.3	11.4	338.3	1,414.4

Source: Respective agencies.

Table 19—Alaska timber harvest by ownership, 1986-96

(In thousand board feet, Scribner scale)

Year	State	Private	Bureau of Indian Affairs	Bureau of Land Management			National Forest			Total
				Free use	Cut	Total	Tongass	Chugach	Total	
1986	18,995	331,200	0	0	252	252	271,579	563	272,142	622,589
1987	25,800	452,100	0	185	0	185	339,200	13,031	352,231	830,316
1988	25,177	517,000	0	112	0	112	407,062	1,185	408,947	951,236
1989	17,728	613,000	3,600	270	25	295	392,344	69,516	461,860	1,096,483
1990	11,163	547,500	300	407	0	407	473,000	1,000	474,000	1,033,370
1991	7,026	579,700	7,253	675	0	675	325,464	1,035	326,499	921,153
1992	26,802	587,800	6,163	675	175	850	392,348	2,973	395,321	1,016,936
1993	9,383	564,800	1,180	450	611	1,061	317,452	9,598	327,050	903,474
1994	20,800	477,500	0	632	391	1,023	249,378	2,477	251,855	751,178
1995	18,628	511,300	583	50	246	296	197,487	2,239	199,726	730,533
1996	15,489	571,700	300	NA	NA	NA	94,748	3,182	97,930	NA

Note: Some of the numbers in the Private harvest may be on a fiscal-year basis.

Source: Respective agencies.

Table 20—California timber harvest by ownership, 1986-96

(In million board feet, Scribner scale)

Year	Private	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest ^a	Total
1986	2,313	29	27	27	1,963	4,359
1987	2,582	42	41	15	1,969	4,649
1988	2,598	31	14	16	2,181	4,840
1989	2,638	37	11	12	2,024	4,722
1990	2,673	24	14	10	1,530	4,251
1991	2,065	38	^b 24	11	1,336	3,474
1992	2,124	23	^b 32	9	1,026	3,214
1993	2,263	34	^b 13	8	739	3,057
1994	1,980	17	^b 15	19	808	2,839
1995	1,929	40	16	6	544	2,535
1996	NA	55	13	NA	458	NA

NA = not available.

^a Includes sawtimber, poles, posts, fuelwood, cull logs, and other miscellaneous convertible products.^b Fiscal-year basis.

Source: Respective agencies.

Table 21—Employment in forest products industries in Washington and Oregon, 1986-97

(In thousands of persons)

Year	Washington and Oregon			Washington			Oregon		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1986	126.0	100.6	25.4	53.1	36.7	16.4	72.9	63.9	9.0
1987	131.9	105.8	26.2	56.5	39.2	17.3	75.4	66.5	8.9
1988	135.6	109.6	26.0	58.8	41.7	17.1	76.8	67.9	8.9
1989	135.1	108.2	27.0	59.0	41.1	17.9	76.1	67.0	9.1
1990	130.8	103.6	27.2	58.0	39.9	18.1	72.8	63.7	9.1
1991	120.7	93.5	27.2	54.3	36.4	17.9	66.4	57.1	9.3
1992	117.6	90.8	26.8	54.3	36.5	17.8	63.3	54.3	9.0
1993	115.2	89.4	25.8	52.8	36.1	16.7	62.5	53.4	9.1
1994	117.5	91.1	26.3	53.9	36.7	17.2	63.6	54.5	9.1
1995	116.1	89.7	26.4	52.8	35.5	17.4	63.3	54.2	9.1
1996	111.6	86.0	25.6	52.3	35.5	16.9	59.3	50.6	8.7
1997:									
January	111.4	86.4	25.0	52.5	35.7	16.8	58.9	50.7	8.2
February	111.6	86.8	24.8	52.3	35.7	16.6	59.3	51.1	8.2
March	111.2	86.4	24.8	52.2	35.7	16.5	59.0	50.7	8.3
Average, 1st quarter	111.4	86.5	24.9	52.3	35.7	16.6	59.1	50.8	8.2
April									
May									
June									
Average, 2d quarter									
July									
August									
September									
Average, 3d quarter									
October									
November									
December									
Average, 4th quarter									
1997 average									
From:									
4th qtr. 1996	-1.0	-.8	-.2	-.8	-.7	-.1	-.2	-.1	-.2
1st qtr. 1997	1.7	2.7	-.9	1.1	1.5	-.4	.6	1.1	-.6

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

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

Figure 2--Employment in forest products industry, Washington and Oregon, 1986-96

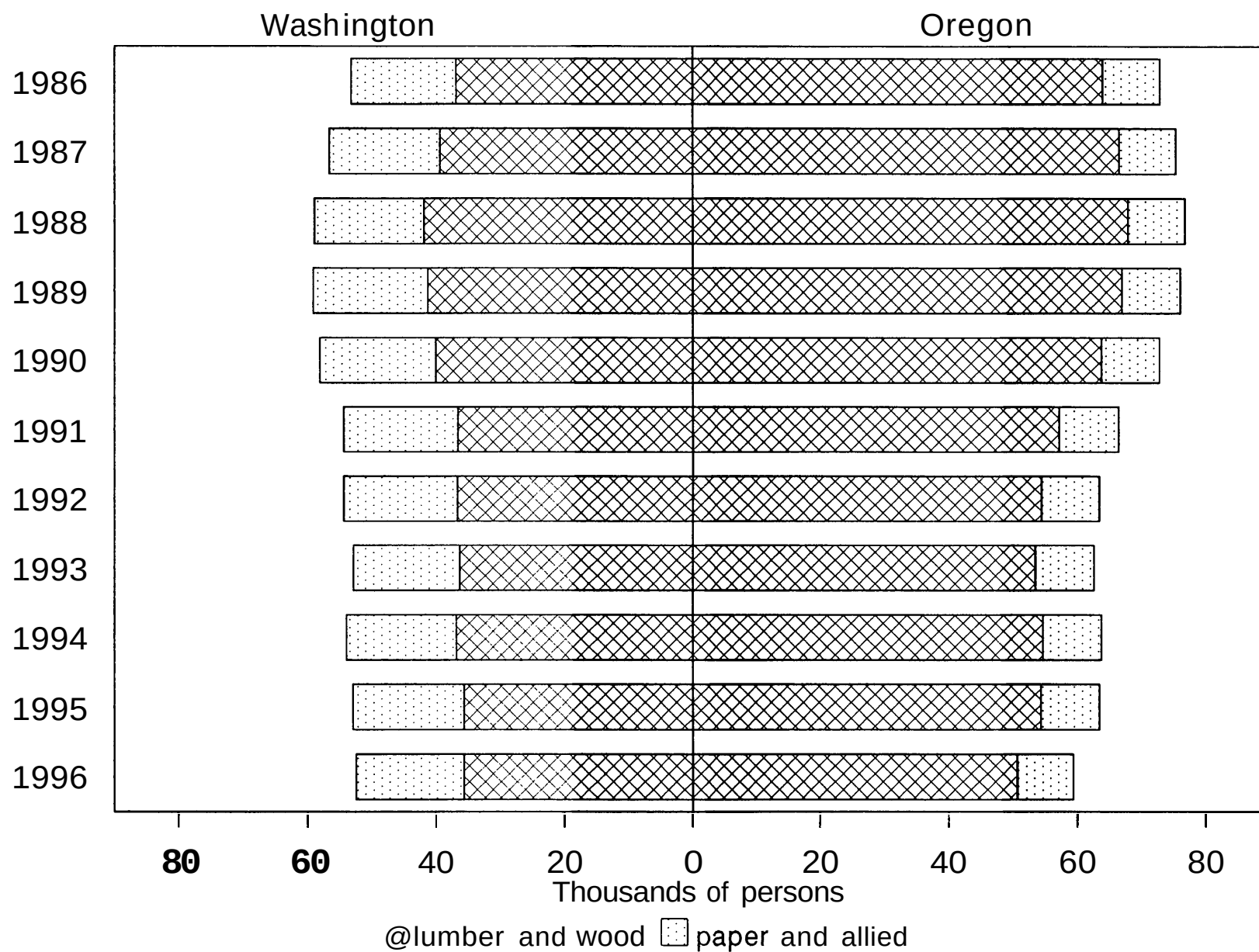


Table 22—Total nonagricultural employment and employment in forest products industries in Washington and Oregon, 1990-97

(In thousands of persons)

Year	Washington and Oregon		Washington		Oregon	
	Total	Forest industries	Total	Forest industries	Total	Forest industries
1990	3,394.9	130.8	2,143.0	58.0	1,251.9	72.0
1991	3,428.0	120.7	2,177.4	54.3	1,250.6	66.4
1992	3,496.4	117.6	2,222.2	54.3	1,274.2	63.3
1993	3,560.2	115.3	2,249.8	52.8	1,310.4	62.5
1994	3,668.3	117.5	2,304.3	53.9	1,364.0	63.6
1995	3,765.5	116.1	2,348.5	52.8	1,417.0	63.3
1996	3,888.6	111.6	2,411.8	52.3	1,476.8	59.3
1997:						
January	3,885.8	111.4	2,408.2	52.5	1,477.6	58.9
February	3,906.9	111.6	2,418.7	52.3	1,488.2	59.3
March	3,940.1	111.2	2,443.8	52.2	1,496.3	59.0
Average, 1st quarter	3,911.0	111.4	2,423.6	52.3	1,487.4	59.1
April						
May						
June						
Average, 2d quarter						
July						
August						
September						
Average, 3d quarter						
October						
November						
December						
Average, 4th quarter						
1997 average						

Source: State employment agencies. Includes both covered and noncovered employment. The forest industries include the categories of lumber and wood products and paper and allied products. Data are based on place of residence.

Table 23—Employment in forest products industries in California and Alaska, 1986-97

(In thousands of persons)

Year	California			Alaska		
	Total	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1986	99.0	59.5	39.6	2.7	1.9	.8
1987	107.5	66.2	41.3	3.1	2.2	.9
1988	109.5	69.0	40.6	3.6	2.7	1.0
1989	112.5	70.7	41.7	3.9	2.9	1.0
1990	109.3	67.5	41.8	3.9	3.0	.9
1991	97.5	56.7	40.8	3.3	2.4	.9
1992	90.1	50.0	40.1	3.1	2.2	.9
1993	87.5	47.8	39.7	3.2	2.4	.8
1994	83.1	49.8	39.3	2.6	2.1	.5
1995	89.4	50.0	39.4	2.6	2.1	.5
1996	92.5	52.6	39.8	2.5	2.0	.5
1997:						
January	90.4	50.8	39.6	1.4	.9	.5
February	91.1	51.3	39.8	1.7	1.2	.5
March	91.4	51.5	39.9	2.1	1.7	.4
Average, 1st quarter	91.0	51.2	39.8	1.7	1.3	.5
April						
May						
June						
Average, 2d quarter						
July						
August						
September						
Average, 3d quarter						
October						
November						
December						
Average, 4th quarter						
1997 average						
From:						
4th quarter 1996	-2.0	-2.5	-.2	-.6	-.5	0.0
1st quarter 1996	2.5	2.1	.4	-.2	-.1	0.0

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

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

Table 24—Employment in forest products industries in Montana and Idaho, 1986-97

(In thousands of persons)

Year	Montana		Total	Idaho	
	Lumber and wood products	Paper and allied products		Lumber and wood products	Paper and allied products
1986	8.1	a	15.0	13.1	1.8
1987	8.4	a	15.1	13.3	1.8
1988	7.9	a	15.7	13.8	1.9
1989	0.3	a	16.2	14.3	2.0
1990	0.4	a	17.2	15.1	2.2
1991	7.4	a	15.7	13.3	2.4
1992	7.4	a	16.4	14.0	2.4
1993	8.2	a	16.9	14.4	2.5
1994	7.6	a	17.2	14.8	2.4
1995	7.3	a	17.1	14.9	2.2
1996	7.0	a	17.0	15.0	2.0
1997:					
January	7.0	a	16.2	14.1	2.1
February	7.0	a	15.7	13.6	2.1
March	6.9	a	15.1	13.0	2.1
Average, 1st quarter	7.0	a	15.7	13.6	2.1
April					
May					
June					
Average, 2d quarter					
July					
August					
September					
Average, 3d quarter					
October					
November					
December					
Average, 4th quarter					
1997 average					
	----- 1st quarter 1997 change in employment -----				
From:					
4th quarter 1996	-.2	a	-1.6	-1.7	0.0
1st quarter 1996	.2	a	-.5	-.6	.1

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

^a Withheld to avoid disclosing figures for individual companies.

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

Table 25—Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97

(In million board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO ALL COUNTRIES													
1986	2,780.1	1,610.7	1,033.0	124.2	1,738.6	785.7	879.0	94.0	1,041.5	845.0	154.1	12.2	30.2
1987	3,167.6	1,844.6	1,150.6	160.3	2,063.5	883.3	965.3	114.0	1,104.1	861.2	185.3	12.1	45.5
1988	3,682.2	2,279.1	1,163.8	220.5	2,294.8	1,216.8	921.9	156.0	1,387.4	1,062.2	241.9	18.8	64.5
1989	3,614.1	2,034.1	1,350.7	217.1	2,356.9	1,158.1	1,029.6	169.0	1,257.2	878.0	321.1	12.1	48.0
1990	3,008.4	1,663.1	941.9	192.5	1,932.1	1,076.8	717.6	137.7	1,076.2	788.3	224.3	10.9	54.8
1991	2,542.4	1,574.7	818.0	149.7	1,548.3	834.2	622.5	91.6	994.1	740.8	195.3	8.7	49.4
1992	2,181.7	1,385.9	673.6	112.2	1,393.8	761.3	556.5	75.8	788.1	634.5	117.1	9.7	26.7
1993	1,707.6	1,171.4	453.2	83.0	958.1	558.3	344.8	55.0	749.6	613.1	108.5	3.8	24.2
1994	1,572.0	1,168.6	334.7	68.7	881.1	584.0	262.6	44.5	680.8	584.8	72.1	3.4	20.8
1995	1,604.8	1,114.3	403.9	86.7	999.1	573.8	353.9	71.4	605.7	540.4	50.0	2.0	13.2
1996:													
1st qtr.	376.7	279.6	82.2	14.8	223.9	140.8	72.2	10.9	152.8	138.8	10.0	.2	3.7
2d qtr.	394.2	324.7	57.7	11.8	246.4	187.7	50.4	8.3	147.8	137.0	7.3	.4	3.1
3d qtr.	366.6	290.1	63.5	13.0	222.1	151.4	59.6	11.1	144.5	138.7	4.0	.4	1.4
4th qtr.	365.4	296.1	55.3	14.1	224.3	164.0	50.9	9.5	141.1	132.1	4.4	.2	4.3
1996 total	1,502.9	1,190.4	258.8	53.6	816.7	643.8	233.1	39.9	568.1	548.6	25.7	1.3	12.5
1997:													
1st qtr.	294.1	218.2	62.9	13.0	167.0	102.3	55.1	10.5	126.2	115.9	7.7	.8	1.8
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													
TO JAPAN													
1986	1,768.7	1,216.2	465.0	75.4	945.0	524.2	362.7	58.1	823.7	692.0	102.3	12.1	17.2
1987	2,048.8	1,374.4	562.6	100.8	1,138.5	635.9	435.6	66.9	910.4	738.5	127.0	11.0	33.8
1988	2,021.3	1,398.0	472.0	134.2	1,109.4	669.0	353.3	87.1	912.0	729.0	118.7	17.1	47.2
1989	2,423.8	1,608.7	663.3	142.7	1,471.9	850.3	520.2	101.4	952.0	758.4	143.1	11.2	41.3
1990	2,114.4	1,526.1	451.2	127.2	1,271.1	846.1	349.3	75.7	843.3	680.0	101.9	9.9	51.5
1991	1,713.7	1,263.2	352.8	97.7	971.4	641.4	282.0	48.0	742.2	621.8	70.8	6.9	42.7
1992	1,665.9	1,274.9	318.6	72.3	989.5	687.0	264.4	38.1	676.4	580.0	54.3	9.1	25.1
1993	1,438.4	1,116.7	271.1	50.6	772.3	526.1	216.8	29.5	666.1	590.6	54.3	3.7	17.4
1994	1,389.5	1,114.5	230.6	44.4	740.2	532.4	182.3	25.5	649.3	582.1	48.4	2.9	16.0
1995	1,328.5	1,088.5	202.9	37.1	742.0	549.7	169.7	22.6	586.5	538.8	33.2	1.9	12.6
1996:													
1st qtr.	335.4	272.3	53.4	9.7	184.3	133.8	44.5	6.0	151.1	138.5	8.9	.2	3.5
2d qtr.	361.1	318.1	35.5	7.5	215.7	181.2	30.3	4.2	145.4	136.9	5.2	.3	3.0
3d qtr.	333.9	277.1	47.4	9.3	189.5	138.5	43.5	7.5	144.4	138.6	4.0	.4	1.4
4th qtr.	343.3	293.3	39.2	10.8	202.3	161.2	34.8	6.3	141.0	132.1	4.4	.2	4.3
1996 total	1,373.8	1,160.8	175.6	37.4	791.8	614.7	153.1	24.0	582.0	546.1	22.5	1.2	12.2
1997:													
1st qtr.	279.2	214.0	54.9	10.3	153.2	98.3	47.2	7.8	126.0	115.7	7.7	.8	1.7
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													
TO CANADA													
1986	58.8	2.3	45.6	10.9	53.6	2.3	45.8	5.7	5.2	0	4.5	0	.7
1987	43.5	5.4	35.6	2.5	41.4	5.4	35.6	.4	2.1	0	2.1	0	0
1988	20.9	.8	19.4	.7	20.9	.8	19.4	.7	0	0	0	0	0
1989	30.3	12.9	16.7	.7	39.3	12.9	16.7	.7	0	0	0	0	0
1990	26.3	3.4	19.6	5.3	28.3	3.4	10.6	5.3	0	0	0	0	0
1991	29.2	3.6	22.1	3.5	29.2	3.6	22.1	3.5	0	0	0	0	0
1992	6.8	2.5	2.1	2.2	6.8	2.5	2.1	2.2	0	0	0	0	0
1993	3.0	.3	.3	2.5	3.0	.3	.3	.3	0	0	0	0	0
1994	8.3	.5	6.3	1.5	8.3	.5	6.3	1.5	0	0	0	0	0
1995	133.9	6.7	93.5	33.7	133.9	6.7	93.5	33.7	0	0	0	0	0
1996:													
1st qtr.	21.3	2.3	18.3	.8	21.3	2.3	18.3	.8	0	0	0	0	0
2d qtr.	6.6	4.6	1.5	.5	6.6	4.6	1.5	.5	0	0	0	0	0
3d qtr.	10.0	7.4	2.4	.2	10.0	7.4	2.4	.2	0	0	0	0	0
4th qtr.	2.1	1.3	.4	.4	2.1	1.3	.4	.4	0	0	0	0	0
1996 total	40.0	15.5	22.6	1.9	40.0	15.5	22.6	1.9	0	0	0	0	0
1997:													
1st qtr.	1.7	1.0	.3	.4	1.7	1.0	.3	.4	0	0	0	0	0
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													

Table 25—Volume of softwood log exports from ,Seattleand Columbia-Snake Customs Districts by species and destination, 1986-97 (continued)

(In million board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO SOUTH KOREA													
1986	325.6	0.8	297.4	18.4	294.6	8.7	267.9	18.0	31.0	1.1	29.5	0	.3
1987	408.1	14.4	360.1	33.2	362.2	11.1	321.4	29.7	45.9	3.3	38.7	.5	3.4
1988	489.8	14.6	432.2	43.1	418.1	10.7	364.6	40.9	73.7	3.9	67.6	0	2.2
1989	658.1	17.4	592.2	48.6	515.3	16.1	452.5	46.8	142.8	1.3	139.7	0	1.8
1990	486.6	15.1	434.4	37.1	372.1	10.0	326.6	35.5	114.5	5.1	107.9	0	1.6
1991	445.6	12.5	408.7	26.3	320.3	5.7	281.6	23.0	125.3	6.8	115.1	0	3.3
1992	298.9	6.0	266.4	26.5	238.4	3.5	209.0	25.9	60.5	2.5	57.5	0	.5
1993	160.7	11.8	133.9	20.9	115.9	8.4	89.8	17.8	50.8	3.4	44.1	0	3.3
1994	110.3	6.8	87.4	16.1	82.2	6.0	64.4	11.8	28.1	.8	23.0	0	4.3
1995	125.8	8.2	105.5	12.1	107.6	7.0	88.8	11.9	18.2	12	16.7	.1	.3
1996:													
1st qtr.	19.4	4.7	10.5	4.2	18.2	4.7	9.4	4.2	12	.1	1.0	.1	.1
2d qtr.	20.9	1.9	15.8	3.2	18.7	1.8	13.8	31	2.2	2.1	.1	.1	0
3d qtr.	18.6	2.5	13.7	2.4	18.6	2.5	13.7	2.4	1	0	0	0	1
4th qtr.	15.3	1.4	12.6	1.3	15.3	1.4	12.6	1.3	0	0	0	0	0
1996 total	74.2	10.6	52.5	11.1	70.8	10.4	49.3	11.0	3.4	1	3.2	1	1
1997:													
1st qtr.	12.6	2.9	7.7	2.0	12.6	2.9	7.7	2.0	0	0	0	0	0
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													
TO PEOPLE'S REPUBLIC OF CHINA													
1986	608.3	374.4	214.1	19.8	434.7	228.8	198.5	8.4	173.6	147.6	15.6	0	10.5
1987	558.7	389.5	157.0	12.2	435.6	288.7	140.7	6.3	123.1	100.8	16.3	0	5.9
1988	1,052.5	825.9	208.3	18.3	690.9	518.0	160.7	12.2	361.6	307.9	47.6	0	6.1
1989	437.0	371.9	60.5	4.7	287.8	263.0	30.1	4.6	139.3	108.8	30.4	0	.1
1990	339.7	303.7	28.4	7.7	231.3	209.8	14.5	7.0	108.4	93.9	13.9	0	.6
1991	321.5	275.2	32.1	14.2	203.1	188.0	23.2	1.9	118.3	107.1	8.9	0	2.3
1992	201.9	110.0	84.4	7.5	154.3	87.4	79.5	7.5	47.0	42.8	4.8	0	.1
1993	95.6	40.7	47.4	7.5	64.9	23.1	37.3	4.5	30.7	17.6	10.0	0	3.0
1994	60.5	46.3	9.6	4.6	58.1	44.7	8.9	4.5	2.4	1.6	.8	0	.1
1995	13.9	9.8	1.5	2.7	13.9	9.8	1.5	2.6	.1	0	0	.1	0
1996:													
1st qtr.	0	0	0	0	0	0	0	0	0	0	0	0	0
2d qtr.	5.0	0	4.7	.2	5.0	0	4.7	.2	0	0	0	0	0
3d qtr.	3.6	3.0	0	.6	3.6	3.0	0	.6	0	0	0	0	0
4th qtr.	3.3	0	3.0	.3	3.3	0	3.0	.3	0	0	0	0	0
1996 total	11.9	3.0	7.7	1.2	11.9	3.0	7.7	1.2	0	0	0	0	0
1997:													
1st qtr.	.1	.1	0	.1	.1	0	0	.1	.1	.1	0	0	0
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													

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

Figure 3--Log exports from Seattle and Columbia-Snake Customs Districts, 1986-96

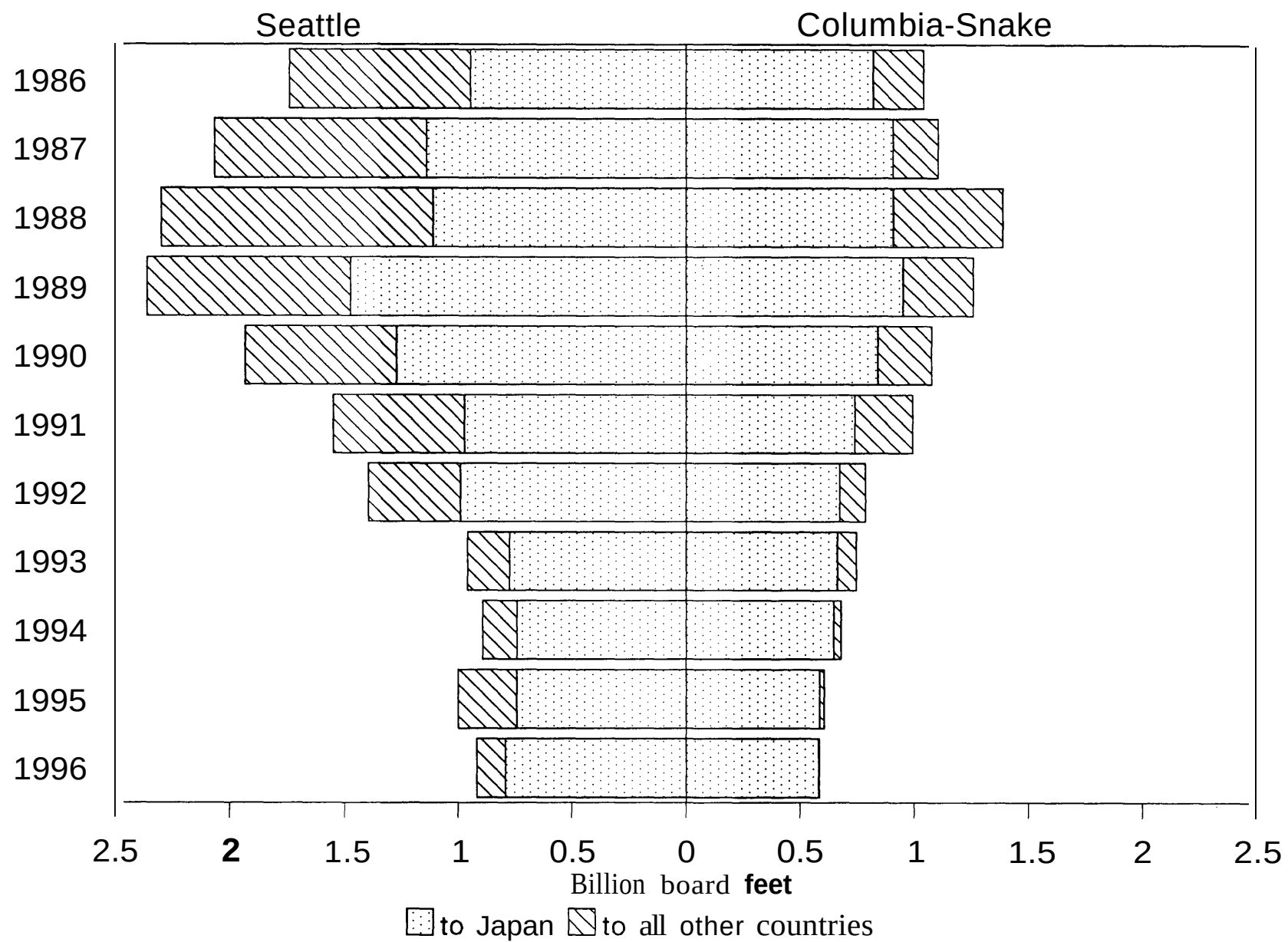


Table 26—Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas- fir	Western hemlock	Other softwoods	Total	Douglas- fir	Western hemlock	Other softwoods	Total	Douglas- fir	Western hemlock	Port- Orford- cedar	Other softwoods
TO ALL COUNTRIES													
1986	929,580	567,356	297,698	53,444	552,088	256,632	252,871	42,584	377,493	310,725	44,827	11,082	10,859
1987	1,245,300	751,776	389,960	85,492	762,852	373,752	325,685	63,415	482,448	378,023	64,275	18,073	22,077
1988	1,725,868	1,078,800	492,553	119,482	1,032,743	548,636	394,483	89,625	693,125	526,965	98,070	35,233	29,857
1989	1,724,771	1,078,505	493,309	123,111	1,046,195	567,083	384,730	94,381	678,577	509,422	108,579	31,848	28,730
1990	1,681,850	1,093,669	454,374	104,487	1,014,303	592,289	348,177	72,637	667,547	501,580	105,197	28,120	31,650
1991	1,445,837	855,278	386,807	103,754	843,231	491,261	299,552	52,417	602,608	464,015	87,254	24,272	27,065
1992	1,498,848	1,077,100	336,951	84,797	904,551	579,484	277,355	47,732	594,287	497,838	59,596	18,884	18,181
1993	1,681,188	1,225,538	373,440	82,189	912,898	578,456	288,381	46,061	768,270	647,082	85,059	15,666	20,463
1994	1,524,134	1,203,435	247,101	73,598	813,109	587,557	190,893	34,657	711,025	615,878	19,183	19,747	19,747
1995	1,509,920	1,190,580	255,683	63,657	855,512	593,612	219,301	42,599	654,408	596,968	36,382	8,911	12,147
1996:													
1st qtr.	357,455	292,541	51,632	13,282	198,412	145,827	43,827	8,758	159,043	146,714	7,805	519	4,005
2d qtr.	334,288	268,553	35,053	10,682	182,222	145,491	39,081	6,840	152,068	143,062	4,962	829	3,213
3d qtr.	345,245	298,782	36,991	9,472	192,572	150,967	34,490	7,106	152,673	147,815	2,492	1,226	1,140
4th qtr.	355,533	309,622	33,067	12,844	204,189	166,449	30,256	7,484	151,344	143,173	2,611	1,678	3,682
1996 total	1,392,521	1,189,498	156,743	46,289	777,395	608,735	138,673	29,988	815,127	580,764	18,069	4,252	12,040
1997:													
1st qtr.	287,693	233,141	39,510	15,042	152,086	108,337	33,878	9,871	135,607	124,804	5,632	3,686	1,485
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													
TO JAPAN													
1986	644,858	450,926	146,356	36,515	326,718	183,095	114,588	29,035	318,140	267,830	31,768	11,059	7,482
1987	918,370	612,328	228,611	59,895	493,610	270,675	180,076	42,860	424,759	341,653	48,535	17,537	17,037
1988	1,075,863	729,888	236,376	76,040	570,923	332,581	184,306	54,038	504,940	397,308	52,070	33,559	22,004
1989	1,302,346	907,929	281,526	82,811	734,604	450,983	226,472	57,149	587,742	456,845	55,054	30,080	25,663
1990	1,284,949	923,577	241,989	71,993	718,343	484,358	191,418	42,567	546,607	439,219	50,571	27,391	28,426
1991	1,075,850	806,201	195,914	73,535	589,156	402,535	158,818	27,802	486,495	403,666	37,096	21,299	24,444
1992	1,246,492	1,009,233	176,387	60,872	711,014	538,858	146,098	26,058	535,478	470,375	30,289	17,771	17,043
1993	1,480,757	1,178,818	225,858	56,281	758,474	550,423	180,801	25,250	704,283	628,195	45,057	15,354	15,677
1994	1,395,644	1,159,702	180,753	55,189	707,419	545,898	141,385	20,136	688,225	613,804	39,368	18,306	16,747
1995	1,363,250	1,173,467	151,450	38,333	721,805	578,156	124,873	18,776	641,445	595,311	28,577	7,817	11,740
1996:													
1st qtr.	333,209	288,076	35,568	9,565	175,617	141,572	28,698	5,347	157,592	146,504	6,870	417	3,861
2d qtr.	318,581	285,114	23,497	7,950	165,901	142,126	19,668	4,167	150,660	142,988	3,829	726	3,117
3d qtr.	328,035	292,350	28,590	7,095	175,532	144,598	26,098	4,836	152,503	147,752	2,492	1,147	1,112
4th qtr.	342,729	307,864	23,782	11,083	191,464	164,763	29,971	5,730	151,265	143,101	2,811	1,678	3,675
1996 total	1,320,534	1,173,404	111,437	35,693	708,513	583,058	95,435	20,020	612,021	580,345	18,022	3,968	11,705
1997:													
1st qtr.	277,226	230,269	34,983	11,974	142,006	105,684	29,351	6,971	135,220	124,585	5,632	3,660	1,343
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													
TO CANADA													
1986	12,239	418	10,615	1,207	11,051	418	9,578	1,055	1,189	--	1,037	--	152
1987	8,070	822	7,161	87	7,561	822	6,852	87	509	--	509	--	--
1988	3,842	336	3,334	172	3,842	336	3,334	172	--	--	--	--	--
1989	10,379	5,424	4,583	372	10,379	5,424	4,583	372	--	--	--	--	--
1990	8,865	946	6,447	1,472	8,865	946	6,447	1,472	--	--	--	--	--
1991	9,174	1,193	6,863	1,118	9,174	1,193	6,863	1,118	--	--	--	--	--
1992	1,865	811	328	726	1,865	811	328	726	--	--	--	--	--
1993	1,095	97	70	928	1,095	97	70	928	--	--	--	--	--
1994	2,832	246	1,822	763	2,832	246	1,822	763	--	--	--	--	--
1995	51,693	2,376	37,180	12,137	51,693	2,376	37,180	12,137	--	--	--	--	--
1996:													
1st qtr.	9,734	813	8,708	213	9,734	813	8,708	213	--	--	--	--	--
2d qtr.	2,929	1,857	870	202	2,929	1,857	870	202	--	--	--	--	--
3d qtr.	3,317	2,491	749	77	3,317	2,491	749	77	--	--	--	--	--
4th qtr.	736	395	208	133	736	395	208	133	--	--	--	--	--
1996 total	16,716	5,555	10,535	625	16,716	5,555	10,535	--	--	--	--	--	--
1997:													
1st qtr.	571	360	112	99	571	360	112	99	--	--	--	--	--
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													

Table 26—Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97 (continued)

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO SOUTH KOREA													
1986	90,498	2,909	79,018	8,547	82,152	2,612	71,105	8,432	8,348	296	7,913	23	116
1987	126,745	4,952	104,680	16,935	112,289	3,871	93,149	15,269	14,456	1,080	11,531	178	1,667
1988	191,804	6,210	162,541	23,053	163,755	4,622	137,250	21,884	28,047	1,588	25,291	--	1,169
1989	216,548	6,655	182,826	27,068	172,501	6,094	140,425	25,982	44,047	560	42,401	--	1,086
1990	219,402	8,264	191,506	19,624	166,129	4,880	142,339	18,910	53,273	3,384	49,167	8	714
1991	193,895	6,519	171,554	15,822	141,473	2,834	124,209	14,430	52,422	3,685	47,345	--	1,392
1992	142,838	3,849	122,938	16,051	113,702	2,173	95,712	15,817	29,136	1,676	27,226	--	234
1993	140,396	10,210	112,573	17,613	100,660	6,680	78,925	15,055	39,736	3,530	33,848	--	2,558
1994	74,869	5,897	56,459	12,513	58,496	4,935	41,686	9,865	18,373	962	14,763	--	2,648
1995	81,733	6,197	66,067	9,469	70,863	5,103	56,262	9,298	11,070	1,094	9,805	14	157
1996:													
1st qtr.	14,095	3,457	7,358	3,282	12,975	3,422	6,421	3,132	1,120	35	935	103	47
2d qtr.	11,185	1,534	7,608	2,053	9,890	1,477	6,474	2,039	1,205	57	1,134	14	--
3d qtr.	11,050	1,673	7,652	1,725	11,043	1,673	7,652	1,718	7	--	--	--	7
4th qtr.	9,721	1,214	7,217	1,290	9,721	1,214	7,217	1,290	--	--	--	--	--
1996 total	46,061	7,878	29,834	8,350	43,729	7,786	27,765	8,179	2,332	92	2,069	117	54
1997:													
1st qtr.	8,990	2,239	4,414	2,337	8,990	2,239	4,414	2,337	--	--	--	--	--
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													
TO PEOPLE'S REPUBLIC OF CHINA													
1986	176,472	110,633	60,184	5,656	128,869	69,348	56,570	2,950	447,604	41,284	3,614	--	2,706
1987	158,384	113,984	41,361	3,039	123,661	84,867	37,120	1,673	34,723	29,116	4,241	--	1,366
1988	410,693	325,151	78,648	8,874	268,504	202,915	60,973	4,617	142,188	122,236	17,875	20	2,257
1989	168,362	145,035	20,786	2,476	110,098	91,616	10,179	2,303	58,265	47,420	10,607	65	173
1990	164,786	150,037	11,234	3,411	106,540	97,341	6,064	3,135	58,246	52,695	5,170	105	276
1991	143,274	127,457	10,953	4,864	87,689	74,788	8,335	4,566	55,585	52,669	2,618	--	298
1992	101,085	61,302	36,641	3,142	74,693	36,864	34,709	3,120	26,392	24,438	1,932	--	23
1993	75,121	34,880	34,704	5,537	52,945	20,961	28,355	3,629	22,176	13,919	6,349	--	1,908
1994	47,547	37,259	7,419	2,869	44,437	36,247	5,341	2,849	3,110	1,012	2,078	--	20
1995	9,772	7,218	813	1,741	9,734	7,218	813	1,703	38	--	--	38	--
1996:													
1st qtr.	--	--	--	--	--	--	--	--	--	--	--	--	--
2d qtr.	3,136	--	2,979	157	3,136	--	2,979	157	--	--	--	--	--
3d qtr.	2,470	2,193	--	277	2,470	2,193	--	277	--	--	--	--	--
4th qtr.	1,958	--	1,813	145	1,958	--	1,813	145	--	--	--	--	--
1996 total	7,564	2,193	4,792	579	7,564	2,193	4,792	579	--	--	--	--	--
1997:													
1st qtr.	27	21	--	6	6	--	--	6	21	21	--	--	--
2d qtr.													
3d qtr.													
4th qtr.													
1997 total													

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

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

Table 27—Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO ALL COUNTRIES													
1986	334.37	352.24	288.19	430.31	317.55	335.18	330.25	453.02	362.45	367.70	290.90	911.05	359.57
1987	393.14	407.57	338.92	533.33	369.69	380.10	337.39	551.81	436.96	438.92	348.87	1,495.86	485.21
1988	468.71	473.20	423.23	541.87	450.04	450.87	427.90	574.52	499.59	498.91	405.42	1,875.39	482.90
1989	470.89	529.22	365.22	567.07	443.37	489.86	373.67	558.47	539.73	581.52	338.15	2,628.43	598.54
1990	559.05	587.13	482.42	542.67	524.97	550.04	486.61	528.77	620.26	637.93	489.02	2,672.54	577.63
1991	568.69	606.64	472.87	693.08	544.62	588.90	481.21	572.24	606.18	626.54	446.77	5789.89	547.87
1992	687.01	771.64	500.23	755.59	649.07	761.13	498.42	629.61	754.11	784.24	508.84	1,940.20	881.42
1993	984.51	1,046.23	823.93	990.37	952.85	1,036.09	836.42	837.66	1,024.97	1,055.45	784.21	4,070.57	847.26
1994	969.58	1,029.82	738.21	1,071.97	912.42	1,006.03	726.97	778.21	1,044.36	1,053.58	778.12	5,719.01	950.88
1995	940.89	1,068.49	633.11	734.55	856.28	1,034.48	619.71	596.66	1,080.47	1,104.61	728.08	4,355.33	918.90
1996:													
1st qtr.	949.01	1,046.33	627.84	895.38	886.19	1,035.88	606.92	803.19	1,041.08	1,058.93	778.48	2,227.47	1,083.31
2d qtr.	848.04	888.66	607.40	907.10	739.54	775.29	596.95	797.02	1,028.93	1,043.82	679.54	2,125.64	1,051.72
3d qtr.	941.74	1,029.99	582.13	733.27	886.98	997.02	579.08	638.95	1,056.67	1,068.00	628.34	2,851.16	799.44
4th qtr.	973.00	1,045.78	598.32	913.34	910.23	1,015.23	594.94	786.17	1,072.83	1,083.69	637.27	7,184.76	854.38
1996 avg.	926.59	999.21	605.75	862.64	848.00	945.52	595.03	752.06	1,049.50	1,062.44	702.94	3,306.63	964.06
1997:													
1st qtr.	978.26	1,068.62	628.26	1,154.59	906.02	1,059.43	614.34	943.96	1,074.34	1,076.73	727.37	4,522.70	845.67
2d qtr.													
3d qtr.													
4th qtr.													
1997 avg.													
TO JAPAN													
1986	364.59	370.77	314.74	484.28	345.74	349.32	315.93	499.74	386.21	387.01	310.54	910.36	435.00
1987	448.24	445.52	406.35	594.20	433.58	425.65	413.40	640.68	468.58	462.63	382.17	1,590.66	504.05
1988	532.26	522.09	500.80	566.62	514.64	497.14	521.67	620.39	553.69	544.98	438.67	1,965.04	466.19
1989	537.31	565.10	424.43	580.32	499.10	530.37	435.36	563.60	596.39	604.14	384.72	2,697.03	621.38
1990	598.25	605.18	536.33	568.17	565.14	572.47	547.95	562.58	648.15	645.88	496.46	2,755.63	571.49
1991	627.68	638.22	555.31	752.66	606.50	627.59	563.18	579.21	655.48	649.19	523.98	3,085.36	572.46
1992	748.24	791.59	553.61	841.55	718.58	784.39	552.68	683.20	791.63	799.99	558.22	1,943.89	680.36
1993	1,015.52	1,055.43	833.05	1,112.32	979.46	1,046.28	834.05	856.31	1,057.32	1,063.58	829.08	4,181.65	899.86
1994	1,004.42	1,040.55	783.73	1,244.40	955.75	1,025.28	775.66	791.11	1,059.90	1,054.31	814.15	6,262.74	1,048.39
1995	1,026.17	1,078.09	746.27	1,034.13	972.76	1,051.76	735.85	830.39	1,093.74	1,104.95	799.43	4,193.67	932.26
1996:													
1st qtr.	993.32	1,057.88	665.46	987.51	952.95	1,057.83	644.86	895.20	1,042.68	1,057.93	787.94	2,024.27	1,083.83
2d qtr.	878.58	896.29	661.65	1,058.31	769.17	784.52	649.17	971.61	1,035.88	1,044.16	734.09	2,173.65	1,056.25
3d qtr.	982.36	1,054.91	602.63	758.87	926.20	1,043.84	600.29	643.31	1,056.07	1,065.97	628.34	2,711.58	789.21
4th qtr.	998.21	1,049.75	606.03	1,023.74	946.33	1,022.09	602.08	910.97	1,072.66	1,083.51	637.27	7,184.76	854.10
1996 avg.	961.19	1,010.84	634.44	954.79	894.77	964.76	623.32	833.87	1,051.57	1,062.70	709.97	3,314.68	981.22
1997:													
1st qtr.	992.93	1,076.03	837.22	1,162.07	926.93	1,075.54	622.42	895.87	1,073.17	1,076.45	727.37	4,575.00	780.38
2d qtr.													
3d qtr.													
4th qtr.													
1997 avg.													
TO CANADA													
1986	208.19	180.87	232.79	185.09	206.10	180.87	232.79	185.09	230.09	--	230.44	--	217.14
1987	185.35	152.05	201.15	217.50	182.65	152.05	201.15	217.50	242.38	--	242.38	--	--
1988	184.15	416.87	171.86	245.71	184.15	416.87	171.86	245.71	--	--	--	--	--
1989	342.46	419.30	274.43	487.00	342.46	419.30	274.43	487.00	--	--	--	--	--
1990	313.25	282.14	328.29	276.95	313.25	282.14	328.29	276.95	--	--	--	--	--
1991	314.18	331.39	310.54	319.43	314.18	331.39	310.54	319.43	--	--	--	--	--
1992	273.74	322.08	156.19	326.59	273.74	322.08	156.19	326.59	--	--	--	--	--
1993	370.31	396.24	281.58	376.68	370.31	396.24	281.58	376.68	--	--	--	--	--
1994	340.14	466.79	287.93	518.69	340.14	466.79	287.93	518.69	--	--	--	--	--
1995	386.07	355.80	397.70	359.84	386.07	355.80	397.70	359.84	--	--	--	--	--
1996:													
1st qtr.	456.03	360.21	475.25	278.43	456.03	360.21	475.25	278.43	--	--	--	--	--
2d qtr.	446.70	404.05	588.63	418.22	446.70	404.05	588.63	418.22	--	--	--	--	--
3d qtr.	331.57	338.68	311.05	319.50	331.57	338.68	311.05	319.50	--	--	--	--	--
4th qtr.	351.31	299.58	543.43	343.40	351.31	299.58	543.43	343.40	--	--	--	--	--
1996 avg.	417.89	357.79	466.19	333.01	417.89	357.79	466.19	333.01	--	--	--	--	--
1997:													
1st qtr.	329.11	347.49	421.05	228.64	329.11	347.49	421.05	228.64	--	--	--	--	--
2d qtr.													
3d qtr.													
4th qtr.													
1997 avg.													

Table 27—Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97 (continued)

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO SOUTH KOREA													
1986	277.98	297.75	265.70	464.51	278.87	300.47	265.42	468.44	269.56	274.84	268.24	1,429.31	386.67
1987	310.54	343.94	290.70	510.09	309.99	347.27	289.82	514.11	314.92	332.21	297.96	358.87	490.29
1988	391.56	425.63	376.08	534.87	393.54	433.06	376.44	535.06	380.37	405.41	374.13	--	531.36
1989	337.91	384.62	317.96	558.10	334.74	379.22	310.33	555.17	350.95	454.18	303.51		678.75
1990	450.90	548.85	440.82	528.95	446.47	487.66	435.87	532.29	465.29	670.10	455.80		453.62
1991	435.13	521.52	421.82	601.60	441.69	497.19	425.96	627.39	418.37	541.91	411.34		421.82
1992	477.86	642.14	461.40	606.29	476.90	621.57	458.04	609.21	481.64	670.94	473.62		457.93
1993	842.36	861.97	840.79	841.34	868.88	795.24	878.74	853.72	781.92	1,024.67	763.44		775.20
1994	678.82	866.82	646.11	776.87	687.44	818.14	647.59	838.50	653.61	1,247.73	641.95		609.86
1995	649.51	754.26	626.35	779.86	656.46	726.41	633.92	783.65	608.44	918.56	586.21	2,800.00	579.34
1996:													
1st qtr.	726.51	730.25	702.78	781.43	712.21	731.82	684.03	753.79	946.75	603.45	865.74	3,961.54	2,473.68
2d qtr.	536.85	797.30	482.59	648.86	534.31	794.51	473.28	645.46	558.91	869.43	543.62	3,017.24	--
3d qtr.	592.53	657.94	558.78	715.13	592.34	657.94	558.78	713.99	1,174.50	--	--	--	1,174.50
4th qtr.	637.19	889.73	565.84	979.50	637.19	889.73	565.84	979.50	--	--	--	--	--
1996 avg.	621.12	745.61	568.27	752.79	617.52	745.63	562.80	740.99	697.37	744.34	653.51	3,758.43	2,317.60
1997:													
1st qtr.	715.88	784.24	571.54	1,180.30	715.88	784.24	571.54	1,180.30	--	--	--	--	--
2d qtr.													
3d qtr.													
4th qtr.													
1997 avg.													
TO PEOPLES REPUBLIC OF CHINA													
1986	290.10	295.51	281.10	285.66	296.47	305.75	284.99	313.83	274.17	279.78	231.67	--	257.71
1987	283.50	292.64	263.45	249.10	283.87	294.01	263.82	265.56	282.17	288.72	260.18	--	231.53
1988	390.20	393.71	377.57	375.63	388.60	391.72	379.42	378.44	393.25	397.04	371.32	909.09	370.00
1989	385.27	390.00	343.57	526.81	369.70	371.09	338.17	500.65	418.13	435.72	348.91	1,756.76	1,153.33
1990	485.09	494.11	395.97	444.37	460.62	463.97	418.96	446.26	537.31	561.45	372.02	2,441.86	460.00
1991	445.64	463.14	341.22	342.54	431.75	445.17	359.27	383.70	469.87	491.77	294.16	--	129.57
1992	500.61	557.28	434.07	418.38	483.96	546.94	436.72	418.23	554.62	573.65	391.49	--	450.98
1993	785.97	857.61	732.54	735.23	815.67	907.80	759.58	808.24	723.12	791.71	632.06	--	627.43
1994	785.56	805.08	768.97	623.97	764.94	811.09	603.03	626.70	1,277.73	636.08	2,630.38	--	384.62
1995	703.07	739.02	548.58	656.98	701.45	739.02	548.58	648.02	1,739.13	--	--	1,739.13	--
1996:													
1st qtr.	--	--	--	--	--	--	--	--	--	--	--	--	--
2d qtr.	633.15	--	630.88	679.65	633.15	--	630.88	679.65	--	--	--	--	--
3d qtr.	684.40	738.56		433.02	684.40	738.56		433.02	--	--	--	--	--
4th qtr.	589.81		601.29	476.19	589.81	--	601.29	476.19	--	--	--	--	--
1996 avg.	636.58	738.56	619.32	492.56	636.58	738.56	619.32	492.56					
1997:													
1st qtr.	450.00	466.67	--	400.00	400.00	--	400.00	466.67	466.67				
2d qtr.													
3d qtr.													
4th qtr.													
1997 avg.													

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

Table 28—Volume and average value of softwood log exports from the San Francisco Customs District by species and destination, 1986-97

(In thousand board feet, Scribner scale)

Year and quarter	Total		Douglas-fir		Port-Orford-cedar		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
1986	26,211	319.41	4,147	264.77	354	774.01	21,710	322.39
1987	32,132	395.40	14,942	452.82	0	--	17,190	345.49
1988	80,785	440.32	26,850	509.87	158	2,147.44	63,779	408.86
1989	73,730	607.95	21,140	643.33	1	2,000.00	52,589	594.70
1990	108,287	520.00	25,287	549.22	41	3,073.17	82,959	509.83
1991	76,808	455.62	24,687	503.87	21	1,476.19	52,100	432.34
1992	17,651	687.21	5,014	1,050.88	0	--	12,637	542.93
1993	25,946	903.41	8,376	1,346.82	222	2,612.61	17,348	687.45
1994	19,045	728.22	4,506	892.37	132	2,272.73	14,407	662.73
1995	21,602	808.44	7,661	1,049.47	225	5,626.67	13,716	594.78
1996	23,006	875.41	18,173	917.91	124	2,003.54	4,709	681.63
1997:								
1st quarter	5,939	875.29	4,806	862.76	206	1,744.19	927	746.74
2d quarter								
3d quarter								
4th quarter								
IQ97 total and average value								
TO JAPAN								
1986	19,060	330.80	217	345.62	354	774.01	18,489	322.08
1987	25,212	393.34	8,944	477.30	0	--	16,268	347.25
1988	28,269	500.09	11,180	594.28	147	2,238.10	16,942	422.85
1989	50,634	675.04	15,078	622.83	0	--	35,556	697.18
1990	70,186	537.54	16,465	590.46	0	--	53,721	521.32
1991	38,188	481.75	15,790	544.46	0	--	22,398	437.54
1992	10,898	792.71	5,014	1,050.88	0	--	5,884	572.74
1993	16,906	1,101.56	8,190	1,366.54	210	2,666.67	8,506	807.78
1994	10,392	905.70	3,863	936.06	132	2,272.73	6,397	859.15
1995	14,514	955.56	7,603	1,044.72	225	5,626.67	6,686	696.98
1996	21,155	890.73	18,026	920.84	42	2,503.58	3,087	693.00
1997:								
1st quarter	5,933	874.08	4,800	861.46	206	1,744.19	927	745.66
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								
TO PEOPLE'S REPUBLIC OF CHINA								
1986	7,097	287.73	3,900	260.00	0	--	3,197	321.55
1987	0	--	0	--	0	--	0	--
1988	43,713	429.00	12,881	434.52	0	--	30,832	426.70
1989	9,355	363.01	2,944	518.34	1	2,000.00	6,409	291.47
1990	18,755	449.00	5,912	459.24	0	--	12,843	444.29
1991	28,493	408.31	8,874	429.34	0	--	19,619	398.80
1992	0	--	0	--	0	--	0	--
1993	2,604	563.36	0	--	0	--	2,604	563.36
1994	0	--	0	--	0	--	0	--
1995	0	--	0	--	0	--	0	--
1996	0	--	0	--	0	--	0	--
1997:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								

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

Figure 4--Log exports from San Francisco and Anchorage Customs Districts, 1986-96

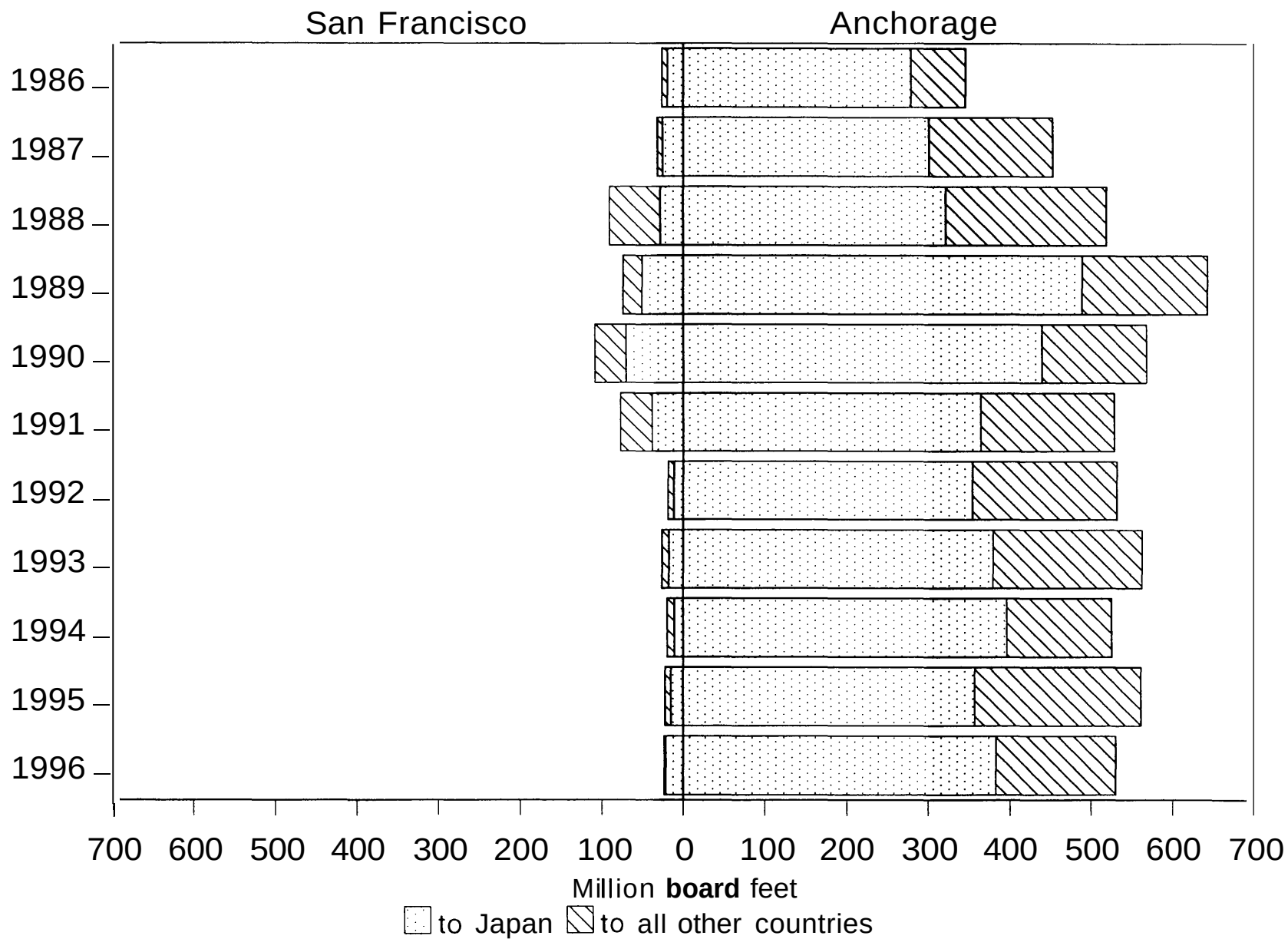


Table 29—Volume and average value of softwood log exports from Anchorage Customs District by species and destination, 1986-97

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

Year and quarter	All species		Hemlock		Redcedar		Spruce	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
1986	345,783	397.88	196,653	302.54	18,466	356.44	118,355	541.12
1987	453,127	471.94	234,230	371.37	36,027	375.44	164,387	587.59
1988	519,538	510.93	260,031	411.46	58,312	443.01	175,901	641.21
1989	643,061	511.73	278,963	431.46	74,065	404.27	251,118	620.86
1990	568,597	592.33	251,500	457.05	62,609	439.35	213,334	781.02
1991	528,878	555.81	226,013	421.14	55,312	397.51	218,580	717.43
1992	531,993	619.85	212,684	464.73	47,444	517.52	225,266	726.64
1993	563,044	805.67	217,853	643.41	60,542	687.89	228,789	937.01
1994	525,404	739.45	200,129	579.34	39,563	647.25	240,323	811.57
1995	561,550	695.12	250,659	539.02	40,685	652.43	228,615	779.98
1996	530,147	705.98	223,519	537.02	22,632	678.28	257,254	817.34
1997:								
1st quarter	76,087	620.75	21,193	517.01	2,194	648.45	36,886	774.33
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								
TO JAPAN								
1986	278,841	445.40	153,998	334.42	8,726	379.90	103,828	596.55
1987	301,200	595.03	142,786	491.34	11,677	390.68	130,116	678.69
1988	321,655	644.34	137,983	563.71	18,871	435.59	142,422	718.39
1989	489,188	560.47	201,145	478.00	21,396	465.88	228,074	637.74
1990	439,291	632.94	171,198	481.74	28,479	440.68	199,692	782.91
1991	364,987	632.15	137,515	489.62	19,836	447.87	182,066	750.06
1992	354,398	697.71	116,016	559.74	21,936	537.52	174,459	750.71
1993	379,234	898.98	119,343	735.02	25,690	664.34	189,709	980.78
1994	396,290	798.81	116,970	641.77	23,994	658.75	213,207	826.66
1995	356,928	798.61	116,903	633.41	18,880	679.45	189,840	815.27
1996	383,056	771.64	129,788	562.49	13,042	668.13	218,545	851.47
1997:								
1st quarter	44,260	796.93	8,731	604.51	1,815	675.01	29,447	882.06
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								
TO PEOPLE'S REPUBLIC OF CHINA								
1986	0	--	0	--	0	--	0	--
1987	19,602	296.09	2,061	183.41	0	--	17,541	309.33
1988	9,267	327.61	601	361.06	0	--	8,666	325.41
1989	6,998	271.36	0	--	0	--	6,998	271.36
1990	4,163	561.85	3,299	500.45	0	--	864	797.45
1991	21,813	506.12	1,325	286.79	0	--	20,489	520.28
1992	33,661	592.73	2,745	336.98	0	--	30,917	615.42
1993	19,068	777.80	1,464	717.21	0	--	17,605	782.85
1994	13,434	543.32	4,232	300.33	0	--	9,202	655.18
1995	5,426	477.10	0	--	0	--	5,426	477.10
1996	3,062	587.89	0	--	0	--	3,062	587.89
1997:								
1st quarter	1,111	562.76	0	--	0	--	1,111	562.76
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								

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

Table 30—Volume and average value of log exports by port, species, and destination, Seattle Customs District, 1996

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Aberdeen-Hoquiam:										
Douglas-fir	221,187	865.72	211,195	869.99	2,969	738.60	7,023	791.02	0	--
Port-Orfordcedar	714	1,115.21	170	1,300.16	0	--	544	1,057.53	0	--
Redcedar	4,387	949.77	883	1,404.97	0	--	3,504	835.14	0	--
Hemlock	96,420	614.22	65,691	623.22	3,090	603.24	27,640	594.07	0	--
Spruce	4,056	635.37	2,720	640.43	846	453.99	490	920.81	0	--
Other softwoods	1,042	689.38	579	798.47	83	439.29	380	577.77	0	--
All softwoods	327,807	790.01	281,238	811.92	6,989	640.73	39,581	660.62	0	--
All hardwoods	709	393.75	265	234.05	0	--	445	488.91	0	--
Red alder	265	234.05	265	234.05	0	--	0	--	0	--
Anacortes:										
Douglas-fir	7,758	1,088.67	7,758	1,088.67	0	--	0	--	0	--
Redcedar	15	963.47	15	963.47	0	--	0	--	0	--
Hemlock	1,468	862.81	1,468	862.81	0	--	0	--	0	--
All softwoods	9,240	1,052.59	9,240	1,052.59	0	--	0	--	0	--
Everett:										
Douglas-fir	77,809	1,171.48	75,847	1,187.71	0	--	1,961	544.09	0	--
Redcedar	4,646	670.44	722	1,126.26	0	--	3,924	586.56	0	--
Hemlock	43,804	613.77	21,111	705.17	0	--	9,903	554.20	12,790	509.03
Spruce	1,069	1,528.44	875	1,759.83	0	--	194	483.48	0	--
Other softwoods	2,048	697.11	2,029	701.66	0	--	19	210.70	0	--
All softwoods	129,376	960.10	100,585	1,081.16	0	--	16,001	559.63	12,790	509.03
All hardwoods	4,115	1,034.02	811	2,597.99	0	--	3,303	649.82	0	--
Red alder	277	608.19	0	--	0	--	277	608.19	0	--
Port Angeles:										
Douglas-fir	26,581	979.31	25,812	988.45	0	--	768	672.14	0	--
Redcedar	885	937.15	78	1,428.28	0	--	808	889.89	0	--
Hemlock	22,621	587.46	10,323	610.01	3,499	679.45	6,909	466.13	1,891	737.49
Spruce	4,655	666.67	3,979	659.68	216	679.82	460	721.04	0	--
Other softwoods	4	2,763.30	4	2,763.30	0	--	0	--	0	--
All softwoods	54,746	790.27	40,196	859.76	3,715	679.47	8,945	535.18	1,891	737.49
All hardwoods	253	435.36	132	234.05	0	--	121	656.58	0	--
Red alder	157	284.72	132	234.05	0	--	25	556.14	0	--

Table 30—Volume and average value of log exports by port, species, and destination, Seattle Customs District, 1996 (continued)

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Seattle:										
Douglas-fir	1,432	1,116.14	1,396	1,125.95	0	--	0	--	26	314.59
Port-Orfordcedar	151	1,737.20	111	1,740.34	0	--	26	1,732.40	0	--
Redcedar	106	566.40	10	956.33	0	--	96	525.97	0	--
Hemlock	1,395	660.72	1,318	653.92	0	--	31	375.34	0	--
Spruce	106	1,014.61	106	1,014.61	0	--	0	--	0	--
Other softwoods	2,773	564.16	1,548	549.93	21	376.42	291	901.61	537	262.28
All softwoods	5,962	756.96	4,490	800.88	21	376.42	443	832.17	564	264.71
All hardwoods	8,328	1,805.99	2,742	2,144.52	311	1,978.13	1,868	1,687.98	0	--
Red alder	40	901.72	0	--	0	--	0	--	0	--
Tacoma:										
Douglas-fir	288,959	976.69	288,269	976.79	0	--	690	938.13	0	--
Redcedar	319	1,107.07	75	1,928.88	0	--	158	843.63	0	--
Hemlock	59,373	579.45	53,150	585.98	1,149	479.13	4,850	540.99	0	--
Spruce	1,604	975.71	1,554	994.03	0	--	50	402.67	0	--
Other softwoods	9,338	731.99	8,976	737.64	9	372.93	97	482.91	0	--
All softwoods	359,593	904.86	352,025	911.96	1,158	478.26	5,844	593.89	0	--
All hardwoods	11,548	1,614.11	10,798	1,624.45	0	--	4	828.54	0	--
Red alder	13	1,274.88	0	--	0	--	0	--	0	--
Other ports: ^a										
Douglas-fir	20,085	388.26	4,446	478.17	0	--	0	--	15,500	357.86
Redcedar	169	737.31	73	498.63	0	--	0	--	96	917.01
Hemlock	7,972	336.57	45	828.42	0	--	0	--	7,918	332.19
Spruce	488	721.62	488	721.62	0	--	0	--	0	--
Other softwoods	1,341	329.29	24	463.87	0	--	0	--	1,268	321.43
All softwoods	30,056	379.29	5,077	504.94	0	--	0	--	24,782	349.97
All hardwoods	630	1,097.65	0	--	0	--	0	--	628	1,095.78
Red alder	3	1,540.20	0	--	0	--	0	--	0	--
Total:										
Douglas-fir	643,810	945.52	614,724	964.76	2,969	738.60	10,442	745.61	15,526	357.79
Port-Orfordcedar	865	1,223.50	281	1,474.01	0	--	570	1,088.10	0	--
Redcedar	10,526	822.95	1,855	1,277.38	0	--	8,489	722.12	96	917.01
Hemlock	233,054	595.03	153,106	623.32	7,738	619.28	49,334	562.79	22,598	466.18
Spruce	11,978	779.68	9,723	813.75	1,062	499.89	1,193	751.19	0	--
Other softwoods	16,547	664.77	13,161	712.86	113	422.21	787	677.04	1,805	303.82
All softwoods	916,779	848.04	792,850	893.70	11,882	636.54	70,814	617.52	40,026	417.90
All hardwoods	25,584	1,525.05	14,748	1,737.24	311	1,978.13	5,740	975.39	628	1,095.78
Red alder	755	439.75	397	234.05	0	--	301	603.92	0	--

^a Bellingham, Blaine, Danville, Ferry, Frontier, Laurier, Lynden, Oroville, and Sumas.

Source: U.S. Department of Commerce.

Table 31—Volume and average value of log exports by port, species, and destination, Seattle Customs District, first quarter 1997

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Aberdeen-Hoquiam:										
Douglas-fir	30,058	1,041.85	27,350	1,068.35	0	--	2,708	774.13	0	--
Redcedar	1,623	1,521.63	313	2,367.16	0	--	1,310	1,319.62	0	--
Hemlock	35,153	604.03	29,223	613.87	0	--	5,930	555.51	0	--
Spruce	1,138	727.22	974	770.64	0	--	165	470.52	0	--
Other softwoods	951	790.13	951	790.13	0	--	0	--	0	--
All softwoods	68,924	821.18	58,811	840.01	0	--	10,113	711.66	0	--
Red alder	258	443.70	172	361.00	0	--	87	607.40	0	--
Everett:										
Douglas-fir	13,479	1,207.55	13,332	1,210.19	0	--	147	968.82	0	--
Port-Orford-cedar	196	1,341.40	0	--	0	--	196	1,341.40	0	--
Redcedar	15	1,349.01	0	--	0	--	15	1,349.01	0	--
Hemlock	7,684	704.85	5,891	729.38	0	--	1,793	624.69	0	--
Spruce	501	765.18	334	777.10	0	--	167	741.27	0	--
Other softwoods	543	533.41	543	533.41	0	--	0	--	0	--
All softwoods	22,419	1,010.32	20,100	1,043.77	0	--	2,318	720.23	0	--
All hardwoods	1,087	1,607.72	682	2,164.99	0	--	405	670.43	0	--
Red alder	199	679.50	0	--	0	--	199	679.50	0	--
Port Angeles:										
Douglas-fir	4,115	710.98	4,115	710.98	0	--	0	--	0	--
Redcedar	3	2,474.08	3	2,474.08	0	--	0	--	0	--
Hemlock	2,668	595.80	2,668	595.80	0	--	0	--	0	--
Spruce	1,736	583.89	1,736	583.89	0	--	0	--	0	--
All softwoods	8,521	649.63	8,521	649.63	0	--	0	--	0	--

Table 31—Volume and average value of log exports by port, species, and destination, Seattle Customs District, first quarter 1997 (continued)

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Seattle:										
Douglas-fir	110	592.76	4	3,584.18	0	--	0	--	0	--
Port-Orford-cedar	43	1,729.85	14	1,769.53	0	--	0	--	0	--
Spruce	28	4,301.32	9	4,293.63	0	--	0	--	0	--
Other softwoods	717	2,062.77	397	2,879.40	15	373.82	58	1,608.46	130	194.32
All softwoods	897	1,937.14	424	2,878.10	15	373.82	58	1,608.46	130	194.32
All hardwoods	2,349	1,893.76	1,102	2,044.32	70	1,833.15	282	2,012.94	0	--
Red alder										
Tacoma:										
Douglas-fir	53,170	1,076.36	53,170	1,076.36	0	--	0	--	0	--
Redcedar	77	1,252.56	0	--	0	--	0	--	0	--
Hemlock	9,374	589.48	9,374	589.48	0	--	0	--	0	--
Spruce	1,043	619.64	1,007	627.50	0	--	36	396.78	0	--
Other softwoods	987	1,110.94	949	1,117.87	0	--	34	464.92	0	--
All softwoods	64,651	999.14	64,500	999.20	0	--	69	429.87	0	--
All hardwoods	6,363	1,511.78	4,954	1,547.48	0	--	58	1,467.10	0	--
Red alder	57	944.98	18	709.52	0	--	0	--	0	--
Other ports: ^a										
Douglas-fir	1,329	394.15	290	550.79	0	--	0	--	1,036	347.71
Redcedar	9	831.31	0	--	0	--	0	--	9	831.31
Hemlock	266	421.22	0	--	0	--	0	--	266	421.22
Spruce	543	489.62	543	489.62	0	--	0	--	0	--
Other softwoods	323	277.72	19	1,010.24	0	--	0	--	304	233.10
All softwoods	2,470	404.44	852	521.79	0	--	0	--	1,616	340.95
All hardwoods	217	1,397.89	0	--	0	--	0	--	217	1,397.89
Total:										
Douglas-fir	102,260	1,059.42	98,261	1,075.55	0	--	2,855	704.17	1,036	347.71
Port-Orfordcedar	239	1,410.75	14	1,769.53	0	--	196	1,341.40	0	--
Redcedar	1,727	1,506.10	316	2,368.14	0	--	1,325	1,319.95	9	831.31
Hemlock	55,145	614.34	47,156	622.43	0	--	7,723	571.57	266	421.22
Spruce	4,989	652.90	4,603	642.79	0	--	367	586.37	0	--
Other softwoods	3,521	1,052.54	2,858	1,141.54	15	373.82	92	1,190.63	434	221.50
All softwoods	167,881	906.09	153,208	927.04	15	373.82	12,558	715.85	1,746	330.03
All hardwoods	10,275	1,579.98	6,909	1,658.14	70	1,833.15	832	1,174.17	217	1,397.89
Red alder	515	590.65	190	394.60	0	--	285	657.59	0	--

^a Blaine, Danville, and Oroville.

Source: U.S. Department of Commerce.

Table 32—Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, 1996

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Astoria:										
Douglas-fir	2,525	1,075.22	2,401	1,092.31	0	--	124	743.11	0	--
Hemlock	5,585	687.69	2,419	732.47	0	--	3,166	653.49	0	--
Other softwoods	2,469	843.02	2,469	843.02	0	--	0	--	0	--
All softwoods	10,579	816.44	7,289	888.47	0	--	3,290	656.86	0	--
COOS Bay:										
Douglas-fir	77,335	917.83	77,072	919.22	0	--	0	--	0	--
Port-Orfordcedar	875	3,073.92	875	3,073.92	0	--	0	--	0	--
Redcedar	42	506.74	42	506.74	0	--	0	--	0	--
Hemlock	711	552.01	711	552.01	0	--	0	--	0	--
Other softwoods	366	2,382.62	366	2,382.62	0	--	0	--	0	--
All softwoods	79,329	944.87	79,066	946.32	0	--	0	--	0	--
Longview (Washington):										
Douglas-fir	385,187	1,081.61	385,187	1,081.61	0	--	0	--	0	--
Port-Orfordcedar	3,905	707.79	3,905	707.79	0	--	0	--	0	--
Redcedar	594	1,455.51	594	1,455.51	0	--	0	--	0	--
Hemlock	14,683	728.40	14,683	728.40	0	--	0	--	0	--
Spruce	455	1,564.11	455	1,564.11	0	--	0	--	0	--
Other softwoods	6,219	964.75	6,219	964.75	0	--	0	--	0	--
All softwoods	411,043	1,064.75	411,043	1,064.75	0	--	0	--	0	--
All hardwoods	851	1,740.59	851	1,740.59	0	--	0	--	0	--
Newport:										
Douglas-fir	5,874	1,078.95	5,874	1,078.95	0	--	0	--	0	--
Portland:										
Douglas-fir	75,712	1,110.91	75,568	1,110.46	0	--	0	--	7	2,038.50
Port-Orfordcedar	286	4,351.03	198	4,863.26	0	--	31	3,754.70	58	2,916.70
Redcedar	59	1,232.95	59	1,232.95	0	--	0	--	0	--
Hemlock	946	734.66	946	734.66	0	--	0	--	0	--
Spruce	128	609.64	110	279.31	0	--	18	2,665.91	0	--
Other softwoods	2,157	620.65	1,855	567.72	7	1,016.83	6	1,140.89	135	856.38
All softwoods	79,288	1,104.07	78,736	1,101.51	7	1,016.83	55	3,118.91	199	1,491.16
All hardwoods	2,634	1,828.13	492	2,191.31	14	1,192.18	109	2,536.51	746	1,600.68
Red alder	41	1,902.13	9	5,496.36	0	--	0	--	32	903.74
Total:										
Douglas-fir	546,633	1,062.44	546,103	1,062.70	0	--	124	743.11	7	2,038.50
Port-Orfordcedar	5,066	1,322.32	4,977	1,288.65	0	--	31	3,754.70	58	2,916.70
Redcedar	695	1,379.56	695	1,379.56	0	--	0	--	0	--
Hemlock	21,925	712.58	18,759	722.55	0	--	3,166	653.49	0	--
Spruce	583	1,355.22	565	1,314.28	0	--	18	2,665.91	0	--
Other softwoods	11,211	918.07	10,909	917.29	7	1,016.83	6	1,140.89	135	856.38
All softwoods	586,113	1,049.50	582,008	1,051.57	7	1,016.83	3,344	697.16	199	1,491.16
All hardwoods	3,485	1,806.74	1,343	1,905.62	14	1,192.18	109	2,536.51	746	1,600.68
Red alder	41	1,902.13	9	5,496.36	0	--	0	--	32	903.74

Source: U.S. Department of Commerce.

Table 33—Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, first quarter 1997

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
coos Bay:										
Douglas-fir	10,594	931.85	10,594	931.85	0	--	0	--	0	--
Port-Orford-cedar	782	4,618.27	782	4,618.27	0	--	0	--	0	--
Hemlock	102	608.05	102	608.05	0	--	0	--	0	--
All softwoods	11,477	1,180.07	11,477	1,180.07	0	--	0	--	0	--
Longview (Washington):										
Douglas-fir	83,921	1,090.63	83,828	1,090.27	0	--	0	--	0	--
Redcedar	5	1,235.45	5	1,235.45	0	--	0	--	0	--
Hemlock	6,733	746.18	6,733	746.18	0	--	0	--	0	--
Other softwoods	1,544	745.46	1,544	745.46	0	--	0	--	0	--
All softwoods	92,203	1,059.70	92,110	1,059.35	0	--	0	--	0	--
All hardwoods	92	1,719.48	66	1,022.29	0	--	0	--	0	--
Newport:										
Douglas-fir	1,742	1,160.28	1,742	1,160.28	0	--	0	--	0	--
Portland:										
Douglas-fir	19,653	1,088.04	19,573	1,088.08	45	476.18	0	--	0	--
Port-Orford-cedar	33	2,283.78	18	2,728.92	0	--	0	--	15	1,740.45
Hemlock	909	600.89	909	600.89	0	--	0	--	0	--
Other softwoods	206	1,596.18	172	1,078.27	0	--	0	--	11	2,380.61
All softwoods	20,802	1,073.71	20,672	1,068.03	45	476.18	0	--	26	2,011.70
All hardwoods	567	1,820.88	56	2,478.76	0	--	200	1,483.59	113	2,579.96
Total:										
Douglas-fir	115,910	1,076.72	115,737	1,076.45	45	476.18	0	--	0	--
Port-Orford-cedar	815	4,522.79	800	4,575.00	0	--	0	--	15	1,740.45
Redcedar	5	1,235.45	5	1,235.45	0	--	0	--	0	--
Hemlock	7,743	727.31	7,743	727.31	0	--	0	--	0	--
Other softwoods	1,750	845.68	1,716	778.85	0	--	0	--	11	2,380.61
All softwoods	126,224	1,074.34	126,001	1,073.16	45	476.18	0	--	26	2,011.70
All hardwoods	659	1,806.75	122	1,693.90	0	--	200	1,483.59	113	2,579.96

Source: U.S. Department of Commerce.

**Table 34—Volume and average value of log exports by port, species, and destination,
San Francisco Customs District, 1996**

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Eureka:										
Douglas-fir	12,534	854.18	12,534	854.18	0	--	0	--	0	--
Port-Orford-cedar	42	2,503.42	42	2,503.42	0	--	0	--	0	--
Hemlock	479	375.93	479	375.93	0	--	0	--	0	--
Other softwoods	11	1,359.00	11	1,359.00	0	--	0	--	0	--
All softwoods	13,066	842.38	13,066	842.38	0	--	0	--	0	--
Oakland:										
Douglas-fir	350	741.45	203	873.20	0	--	0	--	0	--
Port-Orfordcedar	82	1,747.78	0	--	0	--	0	--	0	--
Redcedar	6	3,406.56	6	3,406.56	0	--	0	--	0	--
Other softwoods	7,062	246.46	87	1,699.86	0	--	15	2,460.67	9	1,335.82
All softwoods	7,500	288.38	295	1,162.73	0	--	15	2,460.67	9	1,335.82
All hardwoods	2,271	1,964.75	893	2,544.87	8	2,084.17	36	1,113.49	179	2,191.98
Sacramento:										
Douglas-fir	5,289	1,080.60	5,289	1,080.60	0	--	0	--	0	--
Other softwoods	2,505	709.98	2,505	709.98	0	--	0	--	0	--
All softwoods	7,793	961.49	7,793	961.49	0	--	0	--	0	--
San Francisco:										
Other softwoods	13	5,167.22	0	--	0	--	0	--	0	--
All hardwoods	28	1,767.38	6	5,624.87	0	--	0	--	0	--
Other: ^a										
Other softwoods	19	1,007.77	0	--	0	--	0	--	0	--
Total:										
Douglas-fir	18,173	917.90	18,026	920.82	0	--	0	--	0	--
Port-Orford-cedar	124	2,002.79	42	2,503.42	0	--	0	--	0	--
Redcedar	6	3,406.56	6	3,406.56	0	--	0	--	0	--
Hemlock	479	375.93	479	375.93	0	--	0	--	0	--
Other softwoods	9,609	376.51	2,602	745.65	0	--	15	2,460.67	9	1,335.82
All softwoods	28,390	730.76	21,155	890.73	0	--	15	2,460.67	9	1,335.82
All hardwoods	2,298	1,962.36	898	2,564.54	8	2,084.17	36	1,113.49	179	2,191.98

^a Richmond.

Source: U.S. Department of Commerce.

**Table 35—Volume and average value of log exports by port, species, and destination,
San Francisco Customs District, first quarter 1997**

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Eureka:										
Douglas-fir	3,940	780.51	3,940	780.51	0	--	0	--	0	--
Port-Orfordcedar	206	1,744.17	206	1,744.17	0	--	0	--	0	--
All softwoods	4,147	828.47	4,147	828.47	0	--	0	--	0	--
Oakland:										
Douglas-fir	6	2,164.43	0	--	0	--	0	--	0	--
Other softwoods	46	993.71	21	976.65	0	--	0	--	0	--
All softwoods	52	1,118.25	21	976.65	0	--	0	--	0	--
All hardwoods	657	2,524.54	187	2,832.01	0	--	0	--	137	240.09
Sacramento:										
Douglas-fir	860	1,231.96	860	1,231.96	0	--	0	--	0	--
Other softwoods	906	740.65	906	740.65	0	--	0	--	0	--
All softwoods	1,766	979.86	1,766	979.86	0	--	0	--	0	--
Total:										
Douglas-fir	4,806	862.85	4,800	861.35	0	--	0	--	0	--
Port-Orford-cedar	206	1,744.17	206	1,744.17	0	--	0	--	0	--
Other softwoods	952	752.97	927	745.93	0	--	0	--	0	--
All softwoods	5,964	875.81	5,933	874.04	0	--	0	--	0	--
All hardwoods	657	2,524.54	187	2,832.01	0	--	0	--	137	240.09

Source: U.S. Department of Commerce.

Table 36—Volume and average value of log exports by port, species, and destination, Anchorage Customs District, 1996

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Anchorage:										
Hemlock	41,948	631.11	13,486	577.86	0	--	28,462	656.34	0	--
Spruce	142,719	683.44	114,952	681.70	3,062	587.89	24,705	703.34	0	--
Other softwoods	2,495	438.95	1,203	777.46	0	--	0	--	1,291	123.52
All softwoods	187,162	668.45	129,641	671.79	3,062	587.89	53,167	678.18	1,291	123.52
Juneau:										
Hemlock	61,696	451.30	30,555	475.88	0	--	31,142	427.18	0	--
Spruce	35,028	690.85	33,163	693.67	0	--	1,865	640.70	0	--
Other softwoods	1,969	1,342.35	1,969	1,342.35	0	--	0	--	0	--
All softwoods	98,693	554.09	65,687	611.80	0	--	33,007	439.24	0	--
Ketchikan:										
Redcedar	22,632	678.27	13,042	668.14	0	--	5,230	641.13	114	466.63
Hemlock	119,832	548.35	85,747	590.94	0	--	20,682	412.32	7,773	492.88
Spruce	76,609	1,146.30	70,430	1,202.86	0	--	4,237	386.12	0	--
Other softwoods	22,279	1,117.23	18,509	1,307.38	0	--	60	526.29	3,260	140.75
All softwoods	241,351	802.84	187,728	896.51	0	--	30,210	448.49	11,147	389.63
Valdez:										
Hemlock	43	174.96	0	--	0	--	0	--	43	174.96
Spruce	2,898	244.17	0	--	0	--	0	--	2,898	244.17
All softwoods	2,941	243.15	0	--	0	--	0	--	2,941	243.15
Total:										
Redcedar	22,632	678.27	13,042	668.14	0	--	5,230	641.13	114	466.63
Hemlock	223,519	537.02	129,788	562.49	0	--	80,286	504.59	7,817	491.12
Spruce	257,254	817.34	218,545	851.47	3,062	587.89	30,808	655.92	2,898	244.17
Other softwoods	26,742	1,070.53	21,681	1,281.15	0	--	60	526.29	4,551	135.86
All softwoods	530,147	705.98	383,056	771.64	3,062	587.89	116,384	550.79	15,380	339.28

Source: U.S. Department of Commerce.

Table 37—Volume and average value of log exports by port, species; and destination, Anchorage Customs District, first quarter 1997

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Anchorage:										
Douglas-fir	960	475.46	960	475.46	0	--	0	--	0	--
Hemlock	5,427	591.55	617	566.86	0	--	4,809	594.72	0	--
Spruce	28,236	613.42	21,517	615.87	1,111	562.76	5,608	614.05	0	--
Other softwoods	694	792.71	694	792.71	0	--	0	--	0	--
All softwoods	35,316	609.83	23,789	614.09	1,111	562.76	10,417	605.12	0	--
Juneau:										
Hemlock	1,964	377.50	0	--	0	--	1,964	377.50	0	--
Ketchikan:										
Redcedar	2,194	648.41	1,815	675.28	0	--	380	519.97	0	--
Hemlock	13,174	503.69	7,486	608.92	0	--	5,689	365.21	0	--
Spruce	8,041	1,273.70	7,320	1,360.10	0	--	721	396.51	0	--
Other softwoods	14,160	373.08	2,614	1,359.78	0	--	0	--	11,546	149.69
All softwoods	37,569	627.71	19,234	1,003.09	0	--	6,789	377.19	11,546	149.69
Wrangell:										
Hemlock	628	589.55	628	589.55	0	--	0	--	0	--
Spruce	610	1,640.12	610	1,640.12	0	--	0	--	0	--
All softwoods	1,237	1,107.24	1,237	1,107.24	0	--	0	--	0	--
Total:										
Douglas-fir	960	475.46	960	475.46	0	--	0	--	0	--
Redcedar	2,194	648.41	1,815	675.28	0	--	380	519.97	0	--
Hemlock	21,193	517.03	8,731	562.18	0	--	12,462	455.71	0	--
Spruce	36,886	774.32	29,447	788.12	1,111	562.76	6,329	589.27	0	--
Other softwoods	14,853	392.68	3,308	1,240.83	0	--	0	--	11,546	149.69
All softwoods	76,087	620.75	44,260	765.97	1,111	562.76	19,171	501.08	11,546	149.69

Source: U.S. Department of Commerce.

Table 38—Volume and average value of hardwood log exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1986-97

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

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
1986	7,603	1,105.20	1,713	753.66	31	419.35	282	1,131.39
1987	15,714	774.94	2,121	683.11	82	552.67	2,172	836.66
1988	32,102	657.72	2,900	674.14	469	543.71	1,668	820.14
1989	36,719	833.74	4,600	829.78	65	261.54	4,435	1,712.06
1990	32,940	1,007.53	3,613	1,071.69	7	1,285.71	7,280	1,560.85
1991	95,879	385.09	6,005	979.35	0	--	4,932	1,607.68
1992	26,975	1,207.04	1,355	1,760.15	77	2,662.34	3,099	2,219.43
1993	31,684	1,439.43	3,080	1,750.65	31	483.87	4,087	2,379.74
1994	28,146	1,551.01	4,398	1,893.59	0	--	4,031	2,969.83
1995	27,396	1,661.52	2,923	1,468.01	21	1,409.05	3,151	
1996:								
1st quarter	8,250	1,615.15	716	1,640.37	0	--	737	1,995.12
2d quarter	7,778	1,517.48	1,454	1,781.05	0	--	362	2,353.30
3d quarter	3,833	1,057.89	329	2,435.03	0	--	615	1,119.91
4th quarter	5,710	1,646.50	986	1,755.19	0	--	578	2,582.66
1996 total	25,571	1,525.33	3,485	1,806.60	0		2,293	1,964.93
1997:								
1st quarter	10,223	1,585.97	1,214	970.84	0	--	657	2,523.94
2d quarter								
3d quarter								
4th quarter								
1997 total								
TO JAPAN								
1986	2,833	1,150.47	1,569	777.64	0	--	32	1,674.06
1987	2,976	952.26	843	845.68	29	718.69	262	895.42
1988	13,084	566.19	1,832	704.69	31	903.23	1,387	821.51
1989	13,405	947.71	3,339	726.56	65	261.54	2,217	1,697.79
1990	15,417	1,107.35	2,064	1,466.57	7	1,285.71	2,867	1,566.45
1991	14,115	1,335.81	2,963	1,272.70	0	--	2,030	2,485.84
1992	13,844	1,341.52	651	1,666.20	0	--	1,418	
1993	18,752	1,562.18	1,745	1,679.68	31	483.87	2,188	2,182.36
1994	15,036	1,632.88	2,114	1,719.96	0		1,452	1,925.88
1995	14,560	1,828.91	2,103	1,405.14	0	--	1,425	2,289.12
1996:								
1st quarter	5,079	1,695.22	475	1,707.37	0		328	2,341.46
2d quarter	4,543	1,850.98	505	1,801.28	0		211	2,922.26
3d quarter	1,811	1,090.67	152	2,623.32	0	--	44	3,488.11
4th quarter	3,305	2,003.93	211	2,080.57	0	--	315	2,426.94
1996 total	14,738	1,738.16	1,343	1,905.80	0		898	2,564.42
1997:								
1st quarter	6,857	1,667.60	96	2,041.10	0		187	2,831.25
2d quarter								
3d quarter								
4th quarter								
1997 total								
TO PEOPLES REPUBLIC OF CHINA								
1986	7	2,271.43	0	--	0	--	0	--
1987	0	--	1,000	390.00	0		0	--
1988	0	--	0		0		0	--
1989	6	1,500.00	0	--	0		0	--
1990	8	1,375.00	0		0		0	--
1991	4	2,000.00	0		0		0	--
1992	612	351.31	0	--	0		0	--
1993	536	507.46	8	2,000.00	0	--	67	3,000.00
1994	172	1,358.42	83	1,397.59	0		141	1,769.54
1995	432	1,983.80	15	2,266.67	0		16	3,187.50
1996:								
1st quarter	97	2,526.96	14	1,223.02	0		8	2,080.78
2d quarter	110	1,490.91	0	--	0	--	0	--
3d quarter	30	1,421.95	0	--	0		0	--
4th quarter	74	2,217.69	0		0		0	--
1996 total	311	1,979.05	14	1,223.02	0		8	2,080.78
1997:								
1st quarter	70	1,829.15	0		0		0	--
2d quarter								
3d quarter								
4th quarter								
1997 total								

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

Table 39—Volume and average value of alder log exports from the Seattle Customs District, 1990-97

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

Year and quarter	Destination							
	All wuntries		Japan		South Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1990	6,347	411.22	2,202	550.86	2,689	315.36	1,382	340.09
1991	6,174	421.45	2,072	663.61	3,505	249.93	507	477.32
1992	3,237	472.66	824	447.82	1,345	446.10	357	627.45
1993	4,529	532.38	1,442	442.39	2,330	516.26	19	2,000.00
1994	4,116	1,480.08	1,014	1,483.39	1,035	622.22	1,084	1,278.60
1995	1,525	523.28	545	491.74	957	517.24	16	893.43
1996:								
1st quarter	349	426.38	132	234.05	217	543.78	0	--
2d quarter	166	512.05	0	--	166	512.05	0	--
3d quarter	138	274.98	132	234.05	0	--	6	1,219.51
4th quarter	267	539.53	132	234.05	84	758.92	27	1,023.02
1996 total	921	453.01	397	234.05	467	571.33	33	1,057.08
1997:								
1st quarter	515	590.78	190	394.74	285	658.66	39	1,051.28
2d quarter								
3d quarter								
4th quarter								
1997 total								

Source: U.S. Department of Commerce.

Table 40—Volume and average value of log exports from southern California ports by species, 1986-97

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

Year and quarter	Total		Douglas-fir		Other softwoods		Hardwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1986	5,772	402.81	75	213.33	2,151	265.92	3,546	489.85
1987	7,542	602.76	1,480	381.08	2,554	386.45	3,508	853.76
1988	14,442	675.05	781	432.78	3,907	317.64	9,754	837.50
1989	13,546	929.65	240	504.17	4,262	540.59	9,044	1,138.01
1990	13,434	1,230.83	36	444.44	4,322	576.35	9,076	1,545.61
1991	7,683	1,146.04	204	539.22	2,834	689.49	4,645	1,451.24
1992	9,874	1,289.95	82	548.78	3,809	651.09	5,983	1,706.84
1993	7,044	1,523.00	370	775.68	2,326	702.06	4,348	1,959.75
1994	12,983	1,080.80	548	666.06	7,497	674.27	4,938	1,744.03
1995	12,802	1,287.06	25	560.00	7,943	869.57	4,834	1,976.83
1996:								
1st quarter	2,477	1,671.85	0	--	851	888.37	1,626	2,081.78
2d quarter	3,638	1,201.76	60	1,916.67	1,192	718.06	2,386	1,425.40
3d quarter	1,976	1,350.25	0		649	1,200.31	1,327	1,423.59
4th quarter	3,605	1,147.97	7	1,212.12	2,321	583.70	1,277	2,173.03
1996 total	11,697	1,309.65	67	1,859.91	5,013	746.79	6,617	1,730.54
1997:								
1st quarter	3,636	1,336.45	10	500.00	2,174	888.10	1,451	2,013.88
2d quarter								
3d quarter								
4th quarter								
1997 total								

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

Table 41—Volume and average value of softwood log exports to Canada from the Great Falls Customs District, 1986-97^a

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

Year and quarter	All species		Douglas-fir		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value
1986	105	281.20	17	484.53	88	241.92
1987	98	255.10	27	241.78	71	259.59
1988	78	410.26	50	460.00	28	321.43
1989	688	375.00	55	400.00	633	372.83
1990	219	342.47	115	460.87	104	211.54
1991	759	270.09	586	247.44	173	346.82
1992	1,093	239.71	353	226.63	740	245.95
1993	3,313	269.54	1,992	258.53	1,321	286.15
1994	1,502	327.56	728	376.37	774	281.65
1995	5,757	402.85	1,410	471.63	4,347	380.54
1996:						
1st quarter	1,091	382.39	325	419.11	766	366.84
2d quarter	999	277.28	304	355.26	695	243.17
3d quarter	512	402.41	7	824.18	505	396.32
4th quarter	274	437.32	0	--	274	437.32
1996 total and average value	2,876	354.99	636	393.37	2,241	344.10
1997:						
1st quarter	340	461.52	140	313.39	200	565.00
2d quarter						
3d quarter						
4th quarter						
1997 total and average value						

^a Great Falls Customs District includes all ports in Montana and Idaho.

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

Table 42—Volume of log exports from British Columbia ports by species and destination, 1986-96

(In thousand board feet, British Columbia log scale)

Year	Total, all species	Douglas- fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
TO ALL COUNTRIES							
1986	569,372	3,953	299,775	6,845	119,476	118,843	20,480
1987	750,438	7,093	383,776	7,108	129,074	190,094	33,293
1988	624,967	6,711	392,428	9,845	111,038	80,817	24,128
1989	429,514	4,260	273,068	6,821	57,572	72,053	15,740
1990	177,528	4,592	104,437	4,194	39,934	17,307	7,064
1991	169,470	1,391	117,638	2,009	41,082	5,496	1,854
1992	252,058	8,319	173,805	4,403	54,292	8,673	2,566
1993	226,783	1,251	142,592	5,414	42,492	30,829	4,206
1994	162,208	331	91,634	2,340	28,411	36,225	3,267
1995	135,055	331	47,969	4,062	5,872	74,084	2,737
1996	68,810	4,640	21,430	3,910	2,520	35,030	1,280
TO JAPAN							
1986	398,124	475	216,119	3,741	96,488	79,779	1,522
1987	553,785	6,135	291,356	6,283	105,503	140,699	3,809
1988	419,249	2,649	287,439	4,923	82,759	34,150	7,329
1989	257,020	1,987	185,541	5,320	49,360	11,523	3,289
1990	157,616	2,053	99,205	3,775	38,896	13,046	640
1991	154,879	662	109,735	1,413	39,161	3,709	199
1992	203,518	5,996	142,566	2,920	50,509	664	863
1993	121,997	569	86,049	3,092	31,567	450	270
1994	73,819	0	52,759	1,104	19,536	331	0
1995	29,493	155	24,614	530	3,951	243	0
1996	11,040	1,410	7,750	1,300	400	130	40
TO UNITED STATES							
1986	55,765	255	27,750	1,852	8,759	15,153	1,996
1987	51,065	0	24,216	758	7,663	15,937	2,491
1988	154,658	3,289	52,031	4,702	20,684	70,464	3,488
1989	121,744	1,854	60,927	1,347	7,263	49,978	375
1990	8,389	2,517	1,258	177	706	3,687	44
1991	5,916	508	1,921	331	971	1,656	530
1992	37,345	2,124	23,230	996	3,473	7,412	111
1993	84,506	655	47,117	1,178	7,510	27,037	1,008
1994	77,307	265	28,653	1,236	8,168	35,828	3,157
1995	94,835	22	15,607	1,126	1,656	73,841	2,583
1996	52,650	3,220	10,260	1,280	2,050	34,830	990
TO PEOPLE'S REPUBLIC OF CHINA							
1986	80,613	3,133	38,842	5	8,942	14,061	15,630
1987	85,470	260	31,451	0	3,005	25,170	25,584
1988	60,927	684	34,172	0	1,700	14,945	9,426
1989	18,631	0	10,596	0	0	5,519	2,517
1990	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0

Source: Statistics Canada, Vancouver, B.C., "Canadian Exports Cleared Through B.C. Custom Ports," and Council of Forestry Industries of British Columbia, "B.C. Forest Industry Statistical Tables."

Table 43—Average value of log exports from British Columbia ports by species and destination, 1986-96

(In dollars per thousand board feet, Canadian dollars)

Year	Total, all species	Douglas- fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
TO ALL COUNTRIES							
1986	315.94	272.45	293.29	350.34	383.37	323.05	209.84
1987	411.43	402.14	394.49	1,154.26	473.53	412.21	204.85
1988	504.35	NA	NA	NA	NA	NA	219.70
1989	455.63	NA	NA	NA	NA	NA	338.67
1990	671.44	NA	NA	NA	NA	NA	NA
1991	643.77	NA	NA	NA	NA	NA	NA
1992	710.15	NA	NA	NA	NA	NA	NA
1993	738.99	917.62	733.79	1,520.09	1,010.97	295.09	362.36
1994	880.35	NA	NA	NA	NA	NA	NA
1995	927.03	NA	NA	NA	NA	NA	NA
1996	1,275.98	NA	NA	NA	NA	NA	NA
TO JAPAN							
1986	357.35	406.42	326.85	434.02	407.33	376.84	294.77
1987	472.72	433.40	441.43	1,168.66	521.12	476.05	317.68
1988	531.90	NA	NA	NA	NA	NA	245.97
1989	521.36	NA	NA	NA	NA	NA	382.16
1990	555.78	NA	NA	NA	NA	NA	NA
1991	484.25	NA	NA	NA	NA	NA	NA
1992	612.23	NA	NA	NA	NA	NA	NA
1993	920.46	970.40	845.95	1,891.57	1,035.64	684.64	366.35
1994	838.54	NA	NA	NA	NA	NA	NA
1995	1,027.36	NA	NA	NA	NA	NA	NA
1996	1,440.22	NA	NA	NA	NA	NA	NA
TO UNITED STATES							
1986	180.66	182.59	148.48	202.62	285.73	177.65	169.25
1987	290.76	--	286.10	1,046.32	366.34	250.65	130.17
1988	404.76	NA	NA	NA	NA	NA	188.55
1989	395.09	NA	NA	NA	NA	NA	164.34
1990	3,230.42	NA	NA	NA	NA	NA	NA
1991	4,969.57	NA	NA	NA	NA	NA	NA
1992	1,293.35	NA	NA	NA	NA	NA	NA
1993	556.16	808.73	591.46	1,321.05	1,150.62	294.54	436.44
1994	984.39	NA	NA	NA	NA	NA	NA
1995	937.42	NA	NA	NA	NA	NA	NA
1996	1,302.94	NA	NA	NA	NA	NA	NA
TO PEOPLE'S REPUBLIC OF CHINA							
1986	247.97	252.36	251.35	252.20	285.44	272.81	194.88
1987	233.56	234.50	267.08	--	229.42	232.40	193.96
1988	NA	NA	NA	NA	NA	NA	190.01
1989	NA	NA	NA	NA	NA	NA	195.32
1990	--	--	--	--	--	--	--
1991	--	--	--	--	--	--	--
1992	--	--	--	--	--	--	--
1993	--	--	--	--	--	--	--
1994	--	--	--	--	--	--	--
1995	--	--	--	--	--	--	--
1996	--	--	--	--	--	--	--

NA = not available.

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

Table 44—Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1986-97

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

Year and quarter	Volume	Average value
1986	27,864	155.47
1987	52,188	244.51
1988	40,522	300.31
1989	5,797	470.59
1990	8,142	323.38
1991	2,581	595.51
1992	27,368	507.49
1993	69,856	441.65
1994	35,939	665.46
1995	12,999	1,469.27
1996:		
1st quarter	5,864	1,110.75
2d quarter	4,896	551.03
3d quarter	2,809	891.06
4th quarter	4,757	793.96
1996 total and average value	18,326	845.30
1997:		
1st quarter	3,309	1,130.54
2d quarter		
3d quarter		
4th quarter		
1997 total and average value		

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

Table 45—Volume and average value of pulpwood imports from Canada into the Seattle Customs District, 1986-97

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Average value	Volume	Average value
	Short tons ^a	Dollars	Cords ^b	Dollars
1986	701,586	25.91	85	124.73
1987	465,858	29.88	8,320	146.34
1988	809,747	40.12	20,899	133.88
1989	753,239	33.75	26,030	76.14
1990	682,264	30.18	1,091	69.54
1991	630,798	33.19	889	73.45
1992	501,228	31.25	3,933	82.32
1993	262,011	39.72	25,460	101.13
1994	140,111	38.06	37,649	107.95
1995	370,585	56.74	6,878	199.73
1996:				
1st quarter	110,295	49.10	NA	NA
2d quarter	117,436	59.76	NA	NA
3d quarter	140,212	58.31	NA	NA
4th quarter	119,152	61.66	NA	NA
1996 total and average value	487,095	57.39	3,108	160.56
1997:				
1st quarter	104,976	62.25	NA	NA
2d quarter				
3d quarter				
4th quarter				
1997 total and average value				

NA = not available.

^a Dry-weight basis.

^b Green-weight basis.

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

Table 46—Volume of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1986-97

(Volume in thousand short tons)

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Dissolving grade	Paper grades	DissoMng grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades
TO ALL COUNTRIES								
1986	152.7	468.5	6.4	79.6	220.7	7.5	3.1	349.6
1987	147.6	450.2	10.8	94.1	253.1	26.7	2.7	324.6
1988	199.1	508.8	14.6	100.5	275.4	30.6	1.4	366.0
1989	166.4	635.8	1.4	136.0	280.7	22.0	.9	372.7
1990	138.9	409.9	.3	131.8	274.7	43.8	.4	356.4
1991	120.8	424.9	4.3	174.5	276.3	17.1	10.2	353.9
1992	116.8	328.7	17.8	174.0	288.7	20.5	1.4	364.2
1993	81.5	297.8	15.4	96.1	209.3	5.2	.5	134.6
1994	98.2	356.8	13.3	111.7	178.1	0.0	1.4	148.8
1995	144.1	656.0	4.0	147.7	139.5	0.0	16.7	172.7
1996:								
1st quarter	36.5	93.8	1	31.9	34.6	1	1	37.6
2d quarter	20.4	102.2	8.3	25.6	25.6	0.0	.1	63.3
3d quarter	33.7	145.3	3.2	43.7	23.2	0.0	0.0	42.3
4th quarter	22.9	102.9	.2	45.1	41.6	0.0	0.0	56.2
1996 total	113.5	444.2	11.8	146.2	124.5	1	1	199.5
1997:								
1st quarter	27.7	84.3	1.3	45.7	32.5	0.0	.6	56.4
2d quarter								
3d quarter								
4th quarter								
1997 total								
TO JAPAN								
1986	48.5	113.1	6.3	35.5	98.8	7.5	1.6	144.4
1987	48.1	60.2	10.8	35.0	105.1	8.9	2.2	124.0
1988	54.5	71.9	14.8	44.5	119.7	15.6	1.1	169.0
1989	45.1	113.4	0.0	59.1	111.2	9.6	1	173.9
1990	49.0	77.5	1	58.4	92.5	18.6	.4	154.2
1991	46.7	103.6	5	55.4	100.1	8.3	8.9	144.2
1992	44.1	56.1	7.9	79.5	01.4	10.5	1.1	170.4
1993	38.2	59.4	9.4	50.9	98.2	5.2	.4	83.9
1994	40.8	92.0	12.2	46.2	25.4	0.0	1.3	8.3
1995	63.9	170.4	4.0	46.7	28.0	0.0	16.3	3.2
1996:								
1st quarter	7.4	31.0	.1	8.4	3.5	0.0	.1	8.1
2d quarter	9.9	22.4	.6	11.0	3.3	0.0	0.0	9.2
3d quarter	15.5	23.6	0.0	11.1	3.5	0.0	0.0	6.2
4th quarter	10.8	14.2	1	12.9	3.9	0.0	0.0	5.9
1996 total	43.6	91.2	.8	43.3	14.2	0.0	1	29.4
1997:								
1st quarter	10.5	12.2	1	11.4	4.0	0.0	1	1.4
2d quarter								
3d quarter								
4th quarter								
1997 total								

Table 46—Volume of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1986-97 (continued)

(Volume in thousand short tons)

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	DissoMng grade	Paper grades	DissoMng grade	Paper grades	DissoMng grade	Paper grades	DissoMng grade	Paper grades
TO SOUTH KOREA								
1986	14.5	100.9	0.0	0.0	8.1	0.0	0.0	45.3
1987	10.4	91.6	0.0	2.7	0.0	2.5	0.0	36.2
1988	22.2	112.8	0.0	.3	0.0	8.8	0.0	44.0
1989	17.8	143.0	0.0	3.1	0.0	9.4	0.0	58.3
1990	0.0	110.0	0.0	15.8	0.0	13.2	0.0	72.9
1991	3.3	122.1	0.0	16.1	0.0	4.2	0.0	61.4
1992	1.1	118.0	0.0	2.5	0.0	0.0	0.0	92.1
1993	.8	91.1	0.0	1.1	0.0	0.0	0.0	24.4
1994	.3	88.3	0.0	.9	0.0	0.0	0.0	46.4
1995	.5	202.9	0.0	3.3	0.0	0.0	0.0	40.3
1996:								
1st quarter	8.5	9.2	0.0	2.1	0.0	0.0	0.0	8.4
2d quarter	1	22.3	0.0	.2	0.0	0.0	0.0	19.1
3d quarter	0.0	24.0	0.0	0.0	0.0	0.0	0.0	16.0
4th quarter	1.0	16.2	0.0	.4	0.0	0.0	0.0	11.3
1996 total	9.5	71.7	0.0	2.8	0.0	0.0	0.0	54.7
1997:								
1st quarter	0.0	0.5	0.0	1.2	0.0	0.0	0.0	10.4
2d quarter								
3d quarter								
4th quarter								
1997 total								
TO WESTERN EUROPE								
1986	87.8	61.0	0.0	34.4	8.8	0.0	0.0	84.1
1987	62.3	69.4	0.0	45.1	7.9	0.0	0.0	69.0
1988	88.6	54.0	0.0	45.4	10.2	0.0	0.0	88.8
1989	63.1	86.9	1.4	70.0	10.6	.9	.1	81.1
1990	52.9	54.8	.2	44.0	10.2	1.3	.1	90.8
1991	48.1	81.1	2.8	80.5	11.7	0.0	.5	88.8
1992	48.0	36.1	4.4	49.4	42.8	4.9	0.0	83.2
1993	28.0	34.2	3.7	23.0	22.4	0.0	.1	19.5
1994	26.2	27.0	.9	31.0	25.1	0.0	.1	44.4
1995	29.1	0.0	0.0	66.1	17.8	0.0	0.0	65.7
1996:								
1st quarter	3.3	1.6	0.0	12.7	4.5	0.0	0.0	0.0
2d quarter	2.0	8.8	0.0	13.1	5.3	0.0	0.0	0.0
3d quarter	4.1	51.8	0.0	14.8	4.8	0.0	0.0	0.0
4th quarter	3.0	10.5	1	17.0	0.0	0.0	0.0	.2
1996 total	12.3	70.7	1	57.8	14.8	0.0	0.0	.2
1997:								
1st quarter	4.7	4.4	0.0	30.2	5.0	0.0	0.0	0.0
2d quarter								
3d quarter								
4th quarter								
1997 total								

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

Source: U.S. Department of Commerce.

Table 47—Average value of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1986-97

(Value in dollars per short tons)

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	DissoMng grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades	DissoMng grade	Paper grades
TO ALL COUNTRIES								
1986	466.77	301.67	459.90	329.90	392.53	359.42	328.19	378.18
1987	525.85	409.04	529.85	434.83	469.22	461.69	456.14	503.33
1988	551.84	459.21	640.72	522.56	605.36	516.46	574.69	603.67
1989	606.47	460.30	485.10	597.16	732.16	631.30	501.55	681.14
1990	691.59	503.68	797.78	573.57	624.88	458.11	785.00	581.64
1991	737.85	425.42	629.54	448.73	557.12	410.41	766.88	443.70
1992	655.23	404.04	584.13	397.98	536.74	422.99	592.67	419.26
1993	698.80	337.81	687.51	394.44	528.08	390.08	685.34	337.42
1994	687.36	368.04	699.02	459.05	560.60	--	812.37	511.52
1995	661.79	349.68	758.00	511.25	878.25	--	362.16	748.76
1996:								
1st quarter	758.11	368.30	722.71	387.55	882.82	545.45	453.81	468.87
2d quarter	834.88	325.21	285.73	361.82	633.64	--	172.76	353.88
3d quarter	764.48	246.76	353.96	370.99	566.51	--	--	404.98
4th quarter	768.22	359.27	481.25	435.58	540.05	--	--	381.61
1996 average	775.47	316.55	297.67	392.90	658.99	545.45	304.35	394.21
1997:								
1st quarter	813.51	341.34	551.86	320.13	558.97	--	386.65	339.48
2d quarter								
3d quarter								
4th quarter								
1997 average								
TO JAPAN								
1986	463.07	307.62	460.45	322.92	416.24	359.42	328.43	395.21
1987	534.00	474.94	529.85	441.44	480.87	467.52	469.04	505.16
1988	595.19	561.95	640.80	521.46	590.48	462.40	590.07	607.50
1989	638.65	517.82		662.67	741.49	665.72	766.28	702.32
1990	763.51	591.60	960.00	537.55	671.57	490.81	801.62	598.37
1991	786.10	481.83	859.49	444.9s	614.33	459.76	761.80	452.87
1992	733.27	457.02	628.99	413.12	589.78	444.60	732.71	417.85
1993	702.28	406.16	666.17	392.76	578.17	390.08	715.01	341.19
1994	701.75	413.28	701.24	482.80	557.17	--	824.24	447.33
1995	588.90	402.95	758.00	510.88	718.39	--	361.04	636.25
1996:								
1st quarter	1,040.68	422.78	722.71	388.10	923.36	--	455.88	457.81
2d quarter	969.14	378.30	812.73	343.28	689.06	--	--	377.84
3d quarter	927.01	341.48	--	401.66	618.80	--	--	425.32
4th quarter	933.80	360.07	184.78	388.55	621.90	--	--	478.06
1996 average	957.53	381.05	722.01	380.34	711.24	--	455.88	429.97
1997:								
1st quarter	860.48	329.23	405.19	331.40	620.90	--	536.08	423.88
2d quarter								
3d quarter								
4th quarter								
1997 average								

Table 47—Average value of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1986-97 (continued)

(Value in dollars per short tons)

Year and quarter	Seattle customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades
TO SOUTH KOREA								
1986	425.65	299.79	--	--	341.70	--	--	385.67
1987	491.95	436.80	--	367.08	--	462.12	--	502.21
1988	588.99	471.83	--	555.22	--	558.07	380.95	622.67
1989	674.04	442.78	--	591.87	--	611.10	--	649.82
1990	718.22	428.73	--	474.81	--	444.77	--	534.47
1991	641.21	340.32	--	376.65	--	350.00	--	425.72
1992	584.94	342.51	--	405.45	--	--	--	414.92
1993	594.39	267.50	--	321.59	--	--	--	300.87
1994	765.22	335.31	--	385.81	--	--	--	473.57
1995	512.00	271.50	--	641.82	--	--	--	687.97
1996:								
1st quarter	452.54	333.92	--	515.76	--	--	--	463.89
2d quarter	1,179.14	279.66	--	311.63	--	--	--	372.68
3d quarter	--	302.90	--	--	--	--	--	410.71
4th quarter	452.38	334.40	--	442.25	--	--	--	397.23
1996 average	454.01	306.77	--	492.39	--	--	--	402.83
1997:								
1st quarter	--	287.06	--	181.89	--	--	--	368.49
2d quarter								
3d quarter								
4th quarter								
1997 average								
TO WESTERN EUROPE								
1986	498.99	393.35	--	359.73	393.52	--	--	369.95
1987	526.01	448.10	--	436.02	470.74	--	--	517.13
1988	505.93	528.66	590.91	547.15	567.33	--	--	588.47
1989	517.24	618.08	479.44	549.09	729.24	359.46	773.56	715.89
1990	626.75	614.01	808.00	639.75	671.18	248.92	453.72	627.00
1991	708.69	451.95	677.69	463.98	564.27	--	705.91	463.42
1992	624.81	446.01	619.92	425.42	549.95	351.65	--	462.36
1993	684.26	316.90	727.25	372.36	544.36	--	655.06	358.55
1994	719.55	358.52	742.16	434.84	555.80	--	754.72	555.78
1995	673.37	445.11	--	503.86	848.43	--	--	809.50
1996:								
1st quarter	905.57	273.55	--	395.88	888.54	--	--	--
2d quarter	847.28	284.47	--	369.2%	716.80	--	--	--
3d quarter	861.54	111.25	--	348.13	651.44	--	--	--
4th quarter	848.88	219.29	882.35	394.62	--	--	--	437.50
1996 average	867.85	147.54	882.35	377.14	747.94	--	--	437.50
1997:								
1st quarter	827.81	468.29	--	320.86	611.79	--	--	--
2d quarter								
3d quarter								
4th quarter								
1997 average								

Source: U.S. Department of Commerce.

Table 48—Volume and average value of all chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1986-97

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

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		San Francisco Customs District		Anchorage Customs District	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1986	446,226	73.97	1,577,739	72.02	256,981	71.77	0	
1987	464,426	79.06	1,852,920	72.75	208,247	75.49	252	45.52
1988	681,811	89.24	2,015,988	78.06	282,497	82.43	11,505	48.67
1989	800,563	85.20	2,252,282	96.73	339,158	87.28	85,866	42.16
1990	744,397	95.51	2,081,199	95.84	412,625	98.42	28,283	75.38
1991	681,161	103.10	2,141,958	104.73	462,808	101.21	101,397	78.01
1992	583,141	101.28	1,766,502	106.84	357,731	99.21	15,509	21.73
1993	588,564	95.63	1,544,904	104.28	330,890	99.08	56,289	110.13
1994	755,872	75.78	1,563,772	102.46	385,082	93.20	73,503	108.43
1995	542,694	113.24	1,329,590	130.04	322,454	118.58	146,277	137.38
1996:								
1st quarter	141,570	100.76	293,471	129.50	83,367	121.59	65,782	96.53
2d quarter	170,023	95.11	322,151	105.73	110,592	110.94	49,286	89.42
3d quarter	124,553	94.90	289,676	98.92	47,728	103.23	30,452	72.51
4th quarter	153,842	93.38	325,668	100.89	72,593	98.18	54,343	69.59
1996 total and average value	589,989	95.97	1,230,966	108.51	314,280	109.65	199,862	83.79
1997:								
1st quarter	159,662	72.32	277,599	91.61	93,391	103.98	21,149	66.95
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								

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

Table 49—Volume and average value of softwood chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1989-97

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

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		San Francisco Customs District		Anchorage Customs District	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1989	472,732	86.02	1,647,689	99.51	168,687	79.73	85,866	42.16
1990	448,817	94.51	1,843,260	96.46	303,620	96.04	28,283	75.38
1991	291,244	102.22	1,574,485	104.71	353,514	99.24	101,397	78.01
1992	191,857	100.06	1,272,841	107.30	287,503	97.42	15,509	21.73
1993	208,412	88.23	1,294,802	103.54	239,555	96.90	56,289	110.13
1994	445,660	61.59	1,212,257	101.23	240,292	08.97	73,503	108.43
1995	297,603	93.21	969,666	128.72	175,912	109.13	146,277	137.38
1996:								
1st quarter	50,549	71.40	220,424	130.65	47,610	127.62	65,782	96.53
2d quarter	66,827	69.91	238,754	104.01	44,570	111.96	49,286	89.42
3d quarter	52,910	70.04	246,533	97.76	24,708	101.47	30,452	72.51
4th quarter	78,074	71.85	286,082	99.35	49,043	94.84	54,343	69.59
1996 total and average value	248,359	70.85	991,793	107.03	165,931	109.83	199,862	83.79
1997:								
1st quarter	92,628	53.46	231,057	87.35	31,310	94.54	21,149	66.95
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								

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

Table 50—Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97'

(In thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO ALL COUNTRIES												
1986	1,151,529	464,348	452,610	234,571	747,311	193,338	355,464	198,509	404,218	271,010	97,146	36,062
1987	1,452,869	595,489	567,078	290,302	918,120	234,268	458,223	225,629	534,749	361,221	108,855	64,673
1988	1,817,153	792,068	588,075	436,410	1,046,560	329,752	425,728	291,080	770,593	462,916	162,347	145,330
1989	1,944,049	946,438	536,438	461,071	1,002,337	348,094	366,319	287,923	941,712	598,447	170,119	173,148
1990	1,579,283	742,779	402,129	434,375	886,188	300,135	292,547	293,507	693,095	442,844	109,582	140,868
1991	1,430,094	725,621	370,899	333,574	760,651	271,001	253,770	235,880	669,443	454,620	117,129	97,694
1992	1,177,408	657,232	281,582	238,594	617,086	244,463		163,177	560,322	412,769	72,136	75,417
1993	1,074,789	602,841	212,069	259,879	581,687	235,875	161,194	184,618	493,102	366,968	50,875	75,261
1994	948,502	539,667	191,388	217,447	536,150	238,170	146,125	151,853	412,352	301,497	45,263	65,592
1995	1,021,509	609,231	187,967	224,310	567,220	267,181	148,744	151,295	454,289	342,050	39,223	73,015
1996:												
1st qtr.	249,543	157,429	43,709	48,405	141,889	70,682	38,183	33,024	107,654	86,747	5,526	15,381
2d qtr.	256,744	167,661	42,165	46,918	145,917	79,256	36,444	30,217	110,827	88,405	5,721	16,701
3d qtr.	240,130	157,932	38,900	43,298	139,978	77,369	33,077	29,532	100,152	80,563	5,823	13,766
4th qtr.	264,666	172,734	48,002	43,930	140,058	71,871	40,741	27,473	124,608	100,863	7,288	16,457
1996 total	1,011,083	655,756	172,776	182,551	567,842	299,178	148,418	120,246	443,241	356,578	24,358	62,305
1997:												
1st qtr.	291,692	152,418	34,234	105,040	183,821	78,188	29,850	75,783	107,871	74,230	4,384	29,257
2d qtr.												
3d qtr.												
4th qtr.												
1997 total												
TO JAPAN												
1986	672,409	129,385	424,528	118,496	497,508	78,111	329,745	89,652	174,901	51,274	94,783	28,844
1987	850,983	182,183	515,910	152,890	679,225	136,993	427,089	115,143	171,758	45,190	88,821	37,747
1988	1,030,664	284,807	526,639	219,218	695,784	167,362	372,557	155,865	334,880	117,445	154,082	63,353
1989	1,090,252	375,955	492,278	222,019	691,984	206,625	331,889	153,470	398,268	169,330	160,389	68,550
1990	867,738	284,288	369,605	213,844	587,367	157,198	264,835	165,334	280,371	127,090	104,770	48,510
1991	845,420	311,702	341,555	192,163	517,843	151,785	229,415	136,643	327,577	159,917	112,140	55,520
1992	740,179	360,757	250,751	128,671	430,596	153,608	185,514	91,474	309,583	207,149	65,237	37,197
1993	712,555	366,391	183,865	162,300	403,756	147,633	136,661	119,462	308,801	218,758	47,204	42,839
1994	656,003	345,747	175,837	134,419	371,150	147,372	131,718	92,060	284,853	198,375	44,119	42,359
1995	669,917	355,744	177,523	136,650	367,756	144,142	139,273	84,341	302,161	211,602	38,250	52,309
1996:												
1st qtr.	166,004	100,530	38,723	26,751	91,332	41,639	33,330	16,363	74,672	58,891	5,393	10,388
2d qtr.	179,639	112,203	38,916	28,520	98,130	48,892	33,236	16,002	81,509	63,311	5,680	12,518
3d qtr.	176,796	115,645	36,115	25,036	94,306	49,089	30,418	14,799	82,490	66,556	5,697	10,238
4th qtr.	195,230	122,183	45,647	27,400	99,963	45,675	38,683	15,625	95,267	76,508	6,984	11,775
1996 total	717,669	450,562	159,400	107,707	383,731	185,296	135,647	62,788	333,938	265,266	23,753	44,919
1997:												
1st qtr.	208,437	103,892	29,801	74,744	128,923	50,717	26,358	51,848	79,514	53,175	3,443	22,896
2d qtr.												
3d qtr.												
4th qtr.												
1997 total												

Table 50—Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97^a (continued)

(In thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO CANADA												
1986	151,009	59,174	9,948	81,887	151,009	59,174	9,948	81,887	0	0	0	0
1987	153,809	55,492	11,112	87,205	153,809	55,492	11,112	87,205	0	0	0	0
1988	196,084	86,295	19,800	89,989	196,084	86,295	19,800	89,989	0	0	0	0
1989	210,978	102,218	18,073	90,686	210,978	102,218	18,073	90,686	0	0	0	0
1990	207,397	110,752	16,086	80,559	207,397	110,752	16,086	80,559	0	0	0	0
1991	149,900	91,000	9,041	49,859	149,900	91,000	9,041	49,859	0	0	0	0
1992	118,418	72,951	6,667	38,800	118,418	72,951	6,667	38,800	0	0	0	0
1993	117,751	72,389	7,150	38,212	117,751	72,389	7,150	38,212	0	0	0	0
1994	125,023	80,077	6,915	38,031	125,023	80,077	6,915	38,031	0	0	0	0
1995	159,723	108,911	6,956	43,856	159,723	108,911	6,956	43,856	0	0	0	0
1996:												
1st qtr.	35,365	24,068	770	10,527	35,365	24,068	770	10,527	0	0	0	0
2d qtr.	33,924	22,922	1,311	9,691	33,924	22,922	1,311	9,691	0	0	0	0
3d qtr.	32,596	22,130	586	9,880	32,596	22,130	586	9,880	0	0	0	0
4th qtr.	29,902	20,462	614	8,826	29,902	20,462	614	8,826	0	0	0	0
1996 total	131,786	89,581	3,282	38,924	131,786	89,581	3,282	38,924	0	0	0	0
1997:												
1st qtr.	37,914	23,495	1,061	13,358	37,914	23,495	1,061	13,358	0	0	0	0
2d qtr.												
3d qtr.												
4th qtr.												
1997 total												
TO PEOPLE'S REPUBLIC OF CHINA												
1986	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78
1987	9,267	8,834	0	433	631	198	0	433	8,636	8,636	0	0
1988	4,941	0	118	4,823	118	0	118	0	4,823	0	0	4,823
1989	9,690	64	313	9,313	555	10	217	328	9,135	54	97	8,985
1990	4,580	0	162	4,418	363	0	162	201	4,217	0	0	4,217
1991	226	0	0	226	226	0	0	226	0	0	0	0
1992	6,309	290	3,403	2,616	290	290	0	0	6,019	0	3,403	2,616
1993	414	225	143	46	414	225	143	46	0	0	0	0
1994	271	0	175	96	271	0	175	96	0	0	0	0
1995	328	39	0	289	289	0	0	289	39	39	0	0
1996:												
1st qtr.	64	0	0	64	64	0	0	64	0	0	0	0
2d qtr.	252	19	0	233	252	19	0	233	0	0	0	0
3d qtr.	106	0	0	106	106	0	0	106	0	0	0	0
4th qtr.	78	40	0	38	78	40	0	38	0	0	0	0
1996 total	499	59	0	440	499	59	0	440	0	0	0	0
1997:												
1st qtr.	203	0	0	203	203	0	0	203	0	0	0	0
2d qtr.												
3d qtr.												
4th qtr.												
1997 total												

^a Includes lumber classified as railroad cross-ties and not specified by species.

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

a, 5 Figure 5--Lumber exports from Seattle and Columbia-Snake Customs Districts, 1986-96

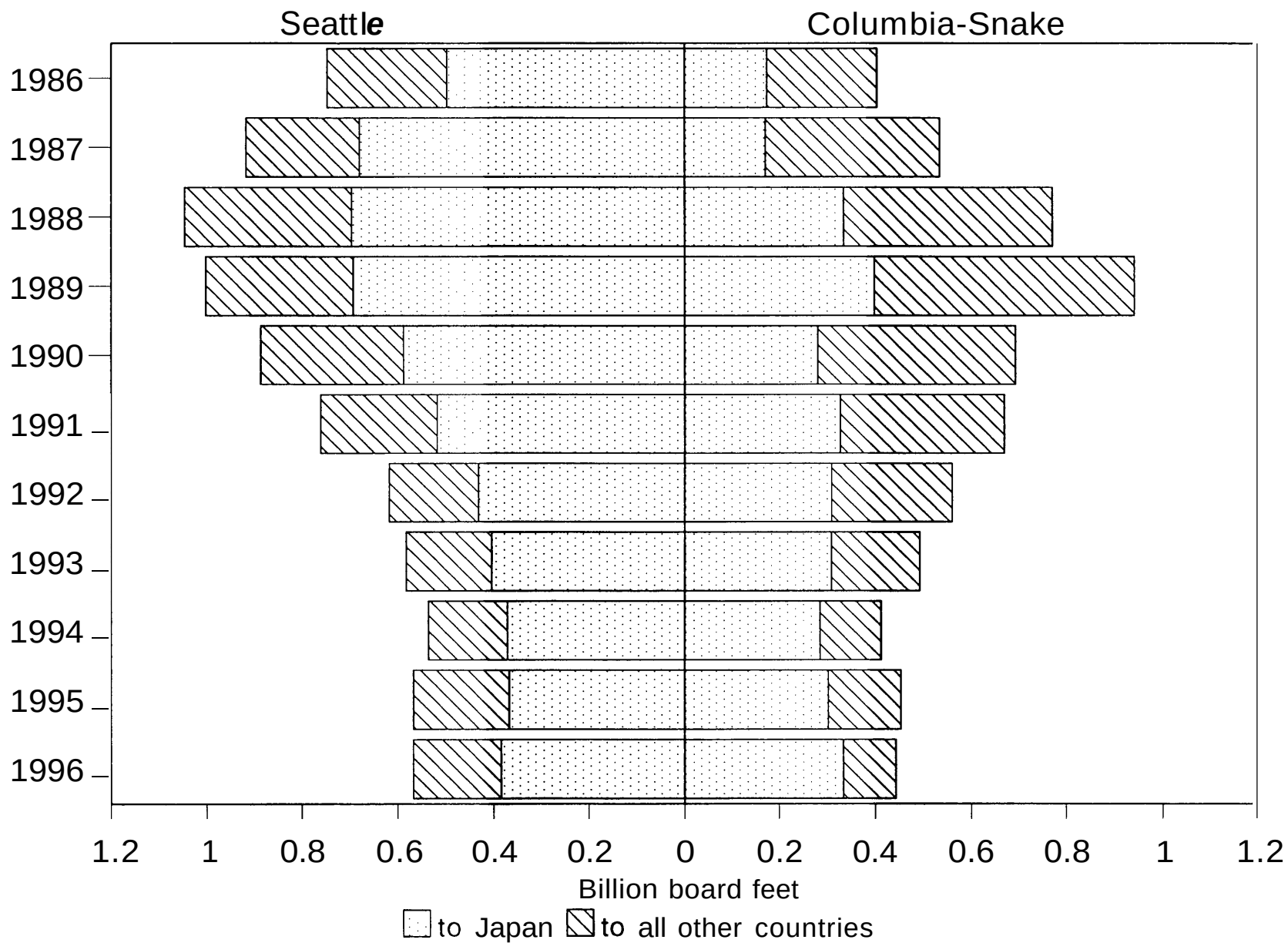


Table 51—Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97'

(In thousands of dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO ALL COUNTRIES												
1986	413,932	191,641	143,117	79,174	245,884	67,314	114,053	64,517	168,048	124,327	29,064	14,656
1987	560,824	265,942	195,170	99,812	317,034	86,862	157,523	72,649	243,890	179,080	37,647	27,163
1988	697,515	349,275	208,887	139,353	362,334	119,847	148,273	84,113	335,180	229,327	60,613	45,240
1989	875,758	465,909	220,835	189,015	399,183	133,667	147,991	117,525	476,575	332,241	72,844	71,490
1990	788,850	409,868	170,027	187,857	376,309	130,918	121,773	123,618	392,341	278,948	49,154	64,239
1991	726,343	412,591	159,009	154,743	341,766	128,028	107,631	106,107	384,577	284,563	51,378	48,636
1992	651,239	398,453	121,724	131,062	303,276	129,432	87,059	86,785	347,963	269,021	34,665	44,277
1993	700,098	430,682	116,215	153,201	337,382	149,990	86,919	100,473	362,716	280,692	29,296	52,728
1994	678,426	425,881	123,341	129,205	341,787	167,700	93,394	80,693	336,639	258,181	29,847	48,512
1995	714,815	449,115	120,102	145,599	368,109	185,081	95,378	87,650	346,706	264,033	24,724	57,949
1996:												
1st qtr.	174,145	117,348	26,072	30,725	93,721	50,149	22,484	21,088	80,424	67,199	3,588	9,637
2d qtr.	185,387	129,704	26,551	29,032	98,935	58,658	22,979	17,298	86,432	71,126	3,572	11,734
3d qtr.	179,180	127,185	25,286	26,709	97,630	58,440	21,561	17,629	81,550	68,745	3,725	9,080
4th qtr.	202,054	143,434	32,930	25,690	100,301	56,654	28,332	15,315	101,753	86,780	4,598	10,375
1996 total	740,746	517,750	110,839	112,156	390,587	223,901	95,356	71,330	350,159	293,849	15,483	40,826
1997:												
1st qtr.	213,010	126,344	23,999	62,667	125,502	61,520	21,370	42,612	87,508	64,824	2,629	20,055
2d qtr.												
3d qtr.												
4th qtr.												
1997 total												
TO JAPAN												
1986	222,302	44,466	133,059	44,777	165,304	26,505	104,771	34,028	56,999	17,961	28,288	10,749
1987	302,166	68,370	176,838	56,957	239,752	51,687	146,208	41,876	62,414	16,704	30,629	15,081
1988	351,915	90,655	187,370	73,890	235,227	54,112	129,758	51,357	116,688	36,542	57,612	22,534
1989	451,059	151,231	203,488	96,291	274,497	74,909	135,184	64,405	176,562	76,372	68,304	31,886
1990	382,963	126,576	156,635	99,751	250,943	69,069	109,698	72,176	132,020	57,507	46,937	27,575
1991	385,925	142,635	147,131	96,159	229,958	68,819	97,849	63,290	155,967	73,816	49,282	32,869
1992	377,565	192,118	110,223	75,224	210,113	80,231	78,756	51,126	167,452	111,887	31,467	24,098
1993	443,597	238,711	103,981	100,905	238,045	94,190	77,015	68,834	205,552	144,515	26,966	34,071
1994	469,374	275,508	115,991	77,874	248,362	117,604	86,961	43,796	221,012	157,904	29,030	34,078
1995	498,991	296,212	115,673	87,108	260,286	123,597	91,565	45,124	238,705	172,615	24,108	41,982
1996:												
1st qtr.	125,013	83,290	24,691	17,032	67,174	35,620	21,293	10,261	57,839	47,670	3,398	6,771
2d qtr.	135,256	94,478	25,138	15,642	71,409	42,118	21,594	7,697	63,847	52,360	3,542	7,945
3d qtr.	137,071	98,517	24,068	14,486	70,978	42,094	20,522	8,362	66,093	56,423	3,546	6,124
4th qtr.	155,593	107,783	32,011	15,799	77,018	40,925	27,615	8,478	78,575	66,858	4,396	7,321
1996 total	552,934	384,067	105,906	62,959	286,580	160,756	91,024	34,798	266,354	223,311	14,882	28,161
1997:												
1st qtr.	158,968	92,682	22,657	43,629	93,895	45,173	20,419	28,303	65,073	47,509	2,238	15,326
2d qtr.												
3d qtr.												
4th qtr.												
1997 total												

Table 51—Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97' (continued)

(In thousands of dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO CANADA												
1986	40,582	19,187	3,327	18,069	40,582	19,187	3,327	18,069	--	--	--	--
1987	42,800	18,682	3,952	20,166	42,800	18,682	3,952	20,166	--	--	--	--
1988	63,557	30,555	6,931	26,072	63,557	30,555	6,931	26,072	--	--	--	--
1989	78,948	39,814	6,507	30,627	78,948	39,814	6,507	30,627	--	--	--	--
1990	78,744	41,888	6,909	29,947	78,744	41,888	6,909	29,947	--	--	--	--
1991	66,430	43,723	3,730	18,977	66,430	43,723	3,730	18,977	--	--	--	--
1992	57,077	37,773	2,923	16,381	57,077	37,773	2,293	16,381	--	--	--	--
1993	63,946	44,310	3,036	16,600	63,946	44,310	3,036	16,600	--	--	--	--
1994	62,666	41,121	3,702	17,843	62,666	41,121	3,702	17,843	--	--	--	--
1995	71,103	48,760	2,916	19,427	71,103	48,760	2,816	19,427	--	--	--	--
1996:												
1st qtr.	15,299	10,359	366	4,574	15,299	10,359	366	4,574	--	--	--	--
2d qtr.	16,164	11,233	469	4,462	16,164	11,233	469	4,462	--	--	--	--
3d qtr.	17,349	12,075	279	4,995	17,349	12,075	279	4,995	--	--	--	--
4th qtr.	14,805	10,254	292	4,259	14,805	10,254	292	4,259	--	--	--	--
1996 total	63,617	43,920	1,407	18,290	63,617	43,920	1,407	18,290	--	--	--	--
1997:												
1st qtr.	20,570	12,987	482	7,101	20,570	12,987	482	7,101	--	--	--	--
2d qtr.												
3d qtr.												
4th qtr.												
1997 total												
TO PEOPLES REPUBLIC OF CHINA												
1986	1,077	655	407	16	407		407		670	655	--	16
1987	2,792	2,635		157	244	87	--	157	2,548	2,548	--	
1988	1,950	--	41	1,909	41		41		1,909		--	1,909
1989	3,960	25	176	3,759	240	4	77	159	3,720	21	99	3,600
1990	1,936	--	60	1,876	120		60	60	1,816			1,816
1991	115	--	--	115	115			115		--		
1992	2,740	108	1,495	1,137	108	108			2,632	--	1,495	1,137
1993	161	83	63	15	161	83	63	15	--	--	--	--
1994	109		71	38	109		71	38	--	--	--	--
1995	155	35	--	120	120			120	35	35	--	--
1996:												
1st qtr.	50		--	50	50			50				
2d qtr.	110	4	--	106	110	4		106				
3d qtr.	43	--		43	43			43				
4th qtr.	110	50		60	110	50	--	60				
1996 total	313	54		259	313	54		259				
1997:												
1st qtr.	132			132	132			132				
2d qtr.												
3d qtr.												
4th qtr.												
1997 total												

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

^a Includes lumber classified as railroad crossties and not specified by species.

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

Table 52—Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97'

(In dollars per thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO ALL COUNTRIES												
1986	359.46	412.71	318.20	337.53	329.03	348.17	320.86	325.01	415.74	458.75	299.18	406.41
1987	386.08	446.59	344.17	343.82	345.31	370.78	343.77	321.98	456.08	495.76	345.85	420.01
1988	383.85	440.63	355.20	319.32	346.21	363.75	348.28	323.32	434.96	495.40	373.35	311.29
1989	429.87	448.10	411.67	409.95	364.37	302.90	403.99	408.18	506.07	555.17	428.19	412.88
1990	486.71	551.80	425.06	432.48	424.64	436.20	416.25	421.18	566.07	630.19	448.56	456.02
1991	507.90	568.60	428.71	463.98	449.31	472.43	424.13	449.84	574.47	625.94	438.65	497.84
1992	553.11	606.26	432.29	549.31	491.47	529.45	415.66	531.85	621.01	651.75	480.55	587.10
1993	651.38	714.42	548.01	589.51	580.01	635.89	539.22	544.22	735.58	764.80	575.84	700.60
1994	715.26	788.16	644.46	594.19	637.48	704.12	639.14	531.39	816.39	856.33	661.62	739.60
1995	699.76	737.18	638.95	649.10	648.97	692.72	641.22	579.33	763.18	771.01	630.34	793.66
1996:												
1st qtr.	697.86	745.40	596.49	634.75	660.52	709.50	588.85	638.57	747.06	774.66	649.29	626.55
2d qtr.	721.99	774.09	629.69	618.78	678.02	740.11	630.52	572.46	779.88	804.55	624.37	702.59
3d qtr.	746.18	805.31	650.03	616.86	697.46	755.34	651.84	596.95	814.26	853.31	639.72	659.59
4th qtr.	763.43	830.38	686.01	584.79	716.14	788.27	695.88	557.46	816.56	860.37	630.90	630.43
1996 average	732.63	789.55	641.52	614.38	687.84	748.39	642.48	593.20	790.00	824.08	635.64	655.26
1997:												
1st qtr.	730.26	828.93	701.02	596.60	682.74	786.82	715.91	562.29	811.23	873.29	599.84	685.48
2d qtr.												
3d qtr.												
4th qtr.												
1997 average												
TO JAPAN												
1986	330.61	343.67	313.43	377.88	332.26	339.32	317.73	379.56	325.89	350.29	298.45	372.66
1987	355.32	375.28	342.77	372.54	352.98	377.15	342.34	363.69	363.38	369.64	344.84	399.53
1988	341.44	318.30	355.78	337.06	338.07	323.32	348.29	329.50	348.45	311.14	373.90	355.69
1989	381.14	322.46	413.36	433.71	349.60	249.85	407.32	419.66	443.32	451.02	425.86	465.15
1990	441.33	445.24	423.79	466.47	427.23	439.38	414.21	436.55	470.88	452.49	448.00	568.44
1991	456.49	457.60	430.77	500.40	444.07	453.40	426.52	463.18	476.12	461.59	439.47	592.02
1992	510.10	532.54	439.57	584.62	487.99	522.31	424.53	558.91	540.90	540.13	482.35	647.85
1993	622.54	651.52	565.53	621.72	589.58	638.04	563.55	559.48	665.65	660.62	571.27	795.33
1994	715.51	796.85	659.65	579.34	669.17	798.01	680.21	475.73	775.88	795.99	657.99	804.50
1995	744.85	832.65	651.59	637.44	707.77	857.47	657.45	535.02	789.99	815.75	630.27	802.58
1996:												
1st qtr.	753.07	828.51	637.63	636.69	735.49	855.45	638.85	627.09	774.57	809.46	630.08	651.81
2d qtr.	752.93	842.03	645.90	548.46	727.70	861.45	649.72	481.00	783.31	827.02	623.59	634.71
3d qtr.	775.31	851.89	666.43	578.61	752.64	857.50	874.67	565.06	801.22	847.75	622.48	598.18
4th qtr.	796.97	882.14	701.27	576.61	770.47	896.00	714.25	542.59	824.79	873.87	629.44	621.74
1996 average	770.46	852.42	664.40	584.54	746.83	867.56	671.04	554.21	797.62	841.84	626.53	626.93
1997:												
1st qtr.	762.67	892.10	760.28	583.71	728.30	890.69	774.69	545.88	818.38	893.45	649.98	669.37
2d qtr.												
3d qtr.												
4th qtr.												
1997 average												

Table 52—Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1986-97^a (continued)

(In dollars per thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO CANADA												
1986	268.74	324.25	334.44	220.66	268.74	324.25	334.44	220.66	--	--	--	--
1987	278.27	336.66	355.65	231.25	278.27	336.66	355.65	231.25	--	--	--	--
1988	324.13	354.08	350.05	289.72	324.13	354.08	350.05	289.72	--	--	--	--
1989	364.72	389.50	360.04	337.73	364.72	389.50	360.04	337.73	--	--	--	--
1990	379.68	378.21	429.50	371.74	379.68	378.21	429.50	371.74	--	--	--	--
1991	443.16	480.47	412.57	380.61	443.16	480.47	412.57	380.61	--	--	--	--
1992	482.00	517.79	438.43	422.19	482.00	517.79	438.43	422.19	--	--	--	--
1993	543.06	612.11	424.62	434.42	543.06	612.11	424.62	434.42	--	--	--	--
1994	501.24	513.52	535.36	469.17	501.24	513.52	535.36	469.17	--	--	--	--
1995	445.16	447.71	419.21	442.97	445.16	447.71	418.21	442.97	--	--	--	--
1996:												
1st qtr.	432.60	430.41	475.32	434.50	432.60	430.41	475.32	434.50	--	--	--	--
2d qtr.	476.48	490.05	357.62	460.45	476.48	490.05	357.62	460.45	--	--	--	--
3d qtr.	532.24	545.65	475.78	505.57	532.24	545.65	475.78	505.57	--	--	--	--
4th qtr.	495.12	501.12	475.57	482.55	495.12	501.12	475.57	482.55	--	--	--	--
1996 average	482.73	490.28	428.70	469.89	482.73	490.28	428.70	469.89	--	--	--	--
1997:												
1st qtr.	542.54	552.77	454.12	531.59	542.54	552.77	454.12	531.59	--	--	--	--
2d qtr.												
3d qtr.												
4th qtr.												
1997 average												
TO PEOPLES REPUBLIC OF CHINA												
1986	203.90	216.46	186.87	205.13	186.87	--	186.87	--	215.85	216.46	--	205.13
1987	301.28	298.28	--	362.59	386.69	439.39	--	362.59	295.04	295.04	--	--
1988	394.66	--	347.46	395.81	347.46	--	347.46	--	395.81	--	--	395.81
1989	408.67	390.63	562.30	403.63	432.43	400.00	354.84	484.76	407.23	388.89	1,020.62	400.67
1990	422.71	--	370.37	424.63	330.58	--	370.37	298.51	430.64	--	--	430.64
1991	508.85	--	--	508.85	508.85	--	--	508.85	--	--	--	--
1992	434.30	372.41	439.32	434.63	372.41	372.41	--	--	437.28	--	439.32	434.63
1993	388.89	368.89	440.56	326.09	388.89	368.89	440.56	326.09	--	--	--	--
1994	402.21	--	405.71	395.83	402.21	--	405.71	395.83	--	--	--	--
1995	472.56	897.44	--	415.22	415.22	--	--	415.22	897.44	897.44	--	--
1996:												
1st qtr.	786.66	--	--	786.66	786.66	--	--	786.66	--	--	--	--
2d qtr.	436.51	214.59	--	454.23	436.51	214.59	--	454.23	--	--	--	--
3d qtr.	405.66	--	--	405.66	405.66	--	--	405.66	--	--	--	--
4th qtr.	1,418.62	1,250.00	--	1,598.30	1,418.62	1,250.00	--	1,598.30	--	--	--	--
1996 average	627.25	915.25	--	588.64	627.25	915.25	--	588.64				
1997:												
1st qtr.	650.25	--	--	650.25	650.25	--	--	650.25				
2d qtr.												
3d qtr.												
4th qtr.												
1997 average												

^a Includes lumber classified as railroad cross-ties and not specified by species.

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

Table 53—Volume and average value of softwood lumber exports from southern California ports by species and destination, 1986-97^a

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

Year and quarter	Total		Douglas-fir		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES						
1986	118,473	254.78	2,523	332.94	115,950	253.08
1987	152,754	240.57	1,148	286.59	151,606	240.23
1988	260,543	242.85	2,635	331.89	257,908	241.94
1989	250,680	366.26	4,251	368.38	246,429	366.22
1990	335,846	320.29	17,056	327.16	318,590	319.02
1991	478,096	267.15	20,167	317.60	448,899	263.87
1992	223,870	637.44	44,288	372.31	179,582	702.82
1993	178,378	728.08	21,542	557.00	154,836	751.88
1994	144,810	596.57	22,445	459.88	122,374	621.64
1995	73,253	547.06	5,710	426.44	67,543	557.26
1996:						
1st quarter	18,566	419.80	952	513.66	17,614	414.73
2d quarter	20,451	399.40	1,210	489.26	19,241	393.85
3d quarter	20,185	450.14	1,026	672.34	19,158	438.24
4th quarter	24,752	442.43	1,940	709.79	22,812	410.70
1996 total and average value	83,953	428.82	5,128	613.45	78,825	416.81
1997:						
1st quarter	24,996	418.23	1,186	654.52	23,810	406.47
2d quarter						
3d quarter						
4th quarter						
1997 total and average value						
TO JAPAN						
1986	187	508.98	0	--	187	508.98
1987	606	613.88	21	809.52	585	606.84
1988	3,710	222.37	26	846.15	3,683	217.08
1989	10,361	409.81	1,050	318.10	9,311	420.15
1990	11,765	423.88	725	384.83	11,040	426.45
1991	8,884	442.37	113	566.37	8,771	440.77
1992	4,601	553.58	601	357.74	4,000	583.00
1993	5,435	564.67	1,444	653.74	3,991	532.45
1994	3,398	487.20	738	565.20	2,662	465.64
1995	2,698	520.76	265	875.47	2,433	482.12
1996:						
1st quarter	1,502	394.14	65	947.37	1,437	356.79
2d quarter	1,658	358.95	94	851.06	1,564	329.36
3d quarter	362	820.76	52	851.23	310	815.68
4th quarter	2,795	564.14	310	1,789.65	2,385	406.68
1996 total and average value	6,227	483.24	551	1,392.39	5,676	395.01
1997:						
1st quarter	2,957	691.53	187	1,850.27	2,770	613.31
2d quarter						
3d quarter						
4th quarter						
1997 total and average value						

^a Southern California consists of the San Diego and Los Angeles Customs Districts and includes all ports south of Monterey, California

Source: U.S. Department of Commerce.

Table 54—Volume and average value of softwood lumber exports from northern California ports by species and destination, 1986-97^a

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

Year and quarter	Total		Douglas-fir		Western hemlock		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
1986	43,281	448.49	16,795	497.29	4,914	407.0	21,572	419.90
1987	72,729	362.39	18,829	419.03	7,989	388.28	45,911	334.65
1988	115,620	303.58	24,821	325.49	18,881	347.55	71,918	284.48
1989	76,667	452.48	7,828	576.78	12,017	635.60	56,822	396.62
1990	74,568	550.02	7,268	595.21	11,977	672.96	55,323	517.47
1991	110,961	434.23	10,241	529.15	18,611	556.02	82,109	394.78
1992	83,538	493.81	8,334	661.27	14,281	506.06	60,923	468.03
1993	65,990	729.44	13,559	787.30	16,849	502.70	35,582	814.77
1994	36,340	819.43	3,019	954.29	14,836	470.48	18,485	1,077.47
1995	24,191	955.89	1,020	1,118.63	4,993	539.96	18,178	1,081.01
1996	29,954	712.19	4,732	900.43	2,619	451.38	22,603	702.99
1997:								
1st quarter	8,933	851.67	764	1,439.79	396	656.23	7,773	803.83
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								
TO JAPAN								
1986	23,651	370.77	226	358.41	4,877	408.04	18,548	361.06
1987	49,227	332.18	506	268.77	7,355	401.09	41,366	320.70
1988	84,861	287.15	1,058	293.95	17,440	340.37	66,363	273.06
1989	64,275	431.24	664	629.52	10,802	653.40	52,809	383.31
1990	51,810	509.82	926	605.83	11,769	674.48	39,115	458.01
1991	49,084	521.39	3,900	418.21	18,604	556.06	26,580	512.27
1992	26,507	562.68	929	1,087.19	14,281	506.06	11,297	591.13
1993	26,036	601.63	292	811.64	16,679	495.23	9,065	790.62
1994	19,260	634.84	320	818.75	14,127	426.77	4,813	1,233.33
1995	13,782	806.99	547	795.25	4,993	539.96	8,242	969.55
1996	16,603	750.51	2,739	665.31	2,606	444.44	11,259	842.06
1997:								
1st quarter	6,674	711.90	344	1,024.33	396	656.23	5,934	697.52
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								
TO PEOPLE'S REPUBLIC OF CHINA								
1986	0		0	--	0	--	0	--
1987	0		0	--	0		0	--
1988	95	673.68	0	--	0		95	673.68
1989	0		0	--	0		0	
1990	0		0	--	0	--	0	--
1991	0		0	--	0		0	--
1992	0		0	--	0		0	--
1993	89	955.06	0	--	0		89	955.06
1994	324	327.16	0	--	0	--	324	327.16
1995	0		0	--	0		0	
1996	33	746.94	0	--	0	--	33	746.94
1997:								
1st quarter	0		0		0		0	
2d quarter								
3d quarter								
4th quarter								
1997 total and average value								

^a Northern California consists of the San Francisco Customs District and includes Monterey, California, and all ports north of Monterey.

Source: U.S. Department of Commerce.

Figure 6--Lumber **exports** from San Francisco and Anchorage **Customs** Districts, 1986-96

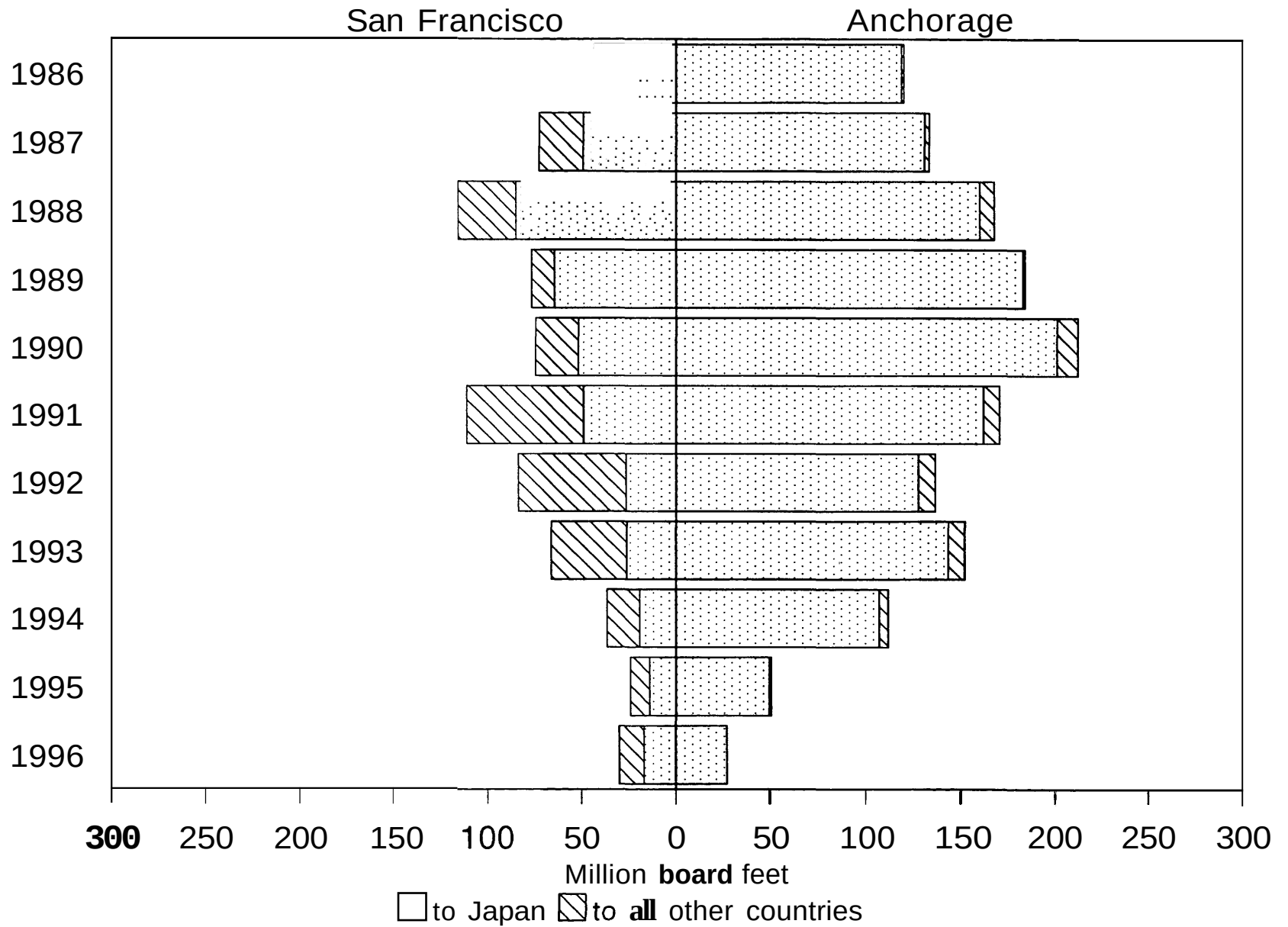


Table 55—Volume and average value of softwood lumber exports from Anchorage Customs District by species and destination, 1986-97

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

Year and quarter	Total		Western hemlock		Sitka spruce		cedar		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES										
1986	119,981	274.28	72,894	233.89	43,162	338.75	918	343.14	3,007	306.62
1987	133,144	292.11	80,253	241.19	49,085	374.07	10	300.00	3,798	309.01
1988	167,453	359.27	98,781	298.81	64,845	456.24	113	300.89	3,714	329.29
1989	183,760	380.04	106,055	333.46	72,870	456.91	2,532	209.72	2,302	280.63
1990	212,010	397.56	119,231	364.44	87,776	453.14	5,002	211.72	0	--
1991	170,308	412.31	95,478	364.64	69,782	480.80	3,069	369.83	1,979	363.32
1992	136,556	481.40	81,363	393.55	52,036	629.62	575	396.52	2,582	280.40
1993	151,894	507.35	95,005	454.06	55,856	598.18	59	355.93	674	505.13
1994	111,836	561.28	68,839	468.11	42,679	713.84	0	--	318	254.72
1995	50,379	775.01	28,367	608.59	20,352	1,019.91	1,407	817.34	253	221.34
1996	26,854	715.05	14,831	557.28	11,934	914.09	20	688.30	69	204.08
1997										
1st quarter	10,711	493.49	6,579	535.66	3,770	437.94	0	--	344	293.60
2d quarter										
3d quarter										
4th quarter										
1997 total and average value										
TO JAPAN										
1986	118,942	273.53	72,894	233.89	43,141	338.31	0	--	2,907	306.16
1987	130,678	289.57	79,318	240.94	47,919	369.14	0	--	3,441	302.24
1988	159,804	353.17	96,686	296.44	61,404	443.62	113	300.89	1,601	313.55
1989	182,656	378.20	106,055	333.46	71,854	453.20	2,532	209.72	2,215	279.91
1990	200,689	400.65	114,227	369.54	85,322	442.51	1,140	384.21	0	--
1991	161,649	415.65	90,749	370.90	66,072	480.02	2,863	384.91	1,965	362.34
1992	127,540	456.05	78,222	397.54	48,372	584.05	575	396.52	2,373	287.22
1993	143,557	494.00	92,075	458.94	50,915	556.36	0	--	567	587.30
1994	107,166	545.84	66,958	473.34	39,952	669.60	0	--	257	190.66
1995	49,351	763.63	28,019	607.44	19,672	989.27	1,407	817.34	253	221.34
1996	26,784	716.24	14,761	558.77	11,934	914.09	20	688.30	69	204.08
1997:										
1st quarter	10,364	499.98	6,594	535.45	3,770	437.94	0	--	0	--
2d quarter										
3d quarter										
4th quarter										
1997 total and average value										
TO SOUTH KOREA										
1986	918	343.14	0	--	0	--	918	343.14	0	--
1987	1,240	583.07	0	--	916	656.11	0	--	334	365.27
1988	1,924	1,378.90	188	1,117.02	1,243	1,627.51	0	--	493	851.93
1989	1,016	720.47	0	--	1,016	720.47	0	--	0	--
1990	6,006	424.58	0	--	2,143	900.14	3,862	160.80	0	--
1991	4,176	497.61	608	460.53	3,361	525.14	206	160.19	0	--
1992	6,020	1,134.88	525	499.05	5,496	1,195.42	0	--	0	--
1993	5,280	1,031.06	1,255	461.36	4,025	1,208.94	0	--	0	--
1994	1,994	1,759.78	0	--	1,994	1,759.78	0	--	0	--
1995	1,028	1,320.04	348	701.15	680	1,636.76	0	--	0	--
1996	0	--	0	--	0	--	0	--	0	--
1997:										
1st quarter	0	--	0	--	0	--	0	--	0	--
2d quarter										
3d quarter										
4th quarter										
1997 total and average value										

Source: U.S. Department of Commerce.

Table 56—Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, 1996

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Aberdeen-Hoquiam:										
Douglas-fir	10,886	764.07	10,886	764.07	0	--	0	--	0	--
Other firs	1,919	555.85	1,919	555.85	0	--	0	--	0	--
Cedars	232	473.72	0	--	0	--	232	473.72	0	--
Hemlock	47,189	633.71	47,147	633.85	0	--	42	478.35	0	--
Spruce	92	897.61	92	897.61	0	--	0	--	0	--
Redwood	33	650.40	33	650.40	0	--	0	--	0	--
Other softwoods	106	566.40	106	566.40	0	--	0	--	0	--
All softwoods	60,458	654.39	60,184	655.21	0	--	275	474.44	0	--
All hardwoods	55	994.41	0	--	0	--	0	--	29	328.01
Everett:										
Douglas-fir	350	978.83	350	978.83	0	--	0	--	0	--
Hemlock	121	726.51	121	726.51	0	--	0	--	0	--
All softwoods	472	913.99	472	913.99	0	--	0	--	0	--
Red alder	242	262.45	0	--	0	--	242	262.45	0	--
All hardwoods	871	266.07	0	--	0	--	871	266.07	0	--
Seattle:										
Douglas-fir	73,632	900.63	69,041	905.63	59	912.00	577	626.31	24	254.54
Other firs	11,564	704.51	11,308	704.38	0	--	175	720.93	0	--
Cedars	3,048	780.77	1,826	829.81	10	1,169.74	761	690.45	0	--
Hemlock	53,658	710.85	51,747	726.06	0	--	181	830.13	0	--
Spruce	11,775	1,014.88	6,032	431.75	0	--	5,743	1,627.36	0	--
Pines	2,537	687.47	1,761	739.39	0	--	75	1,178.50	0	--
Redwood	838	1,112.22	444	1,447.73	0	--	13	761.29	0	--
Other softwoods	23,752	704.82	19,320	625.30	413	570.98	822	1,406.62	0	--
All softwoods	180,804	809.45	161,478	781.57	482	624.78	8,346	1,409.36	24	254.54
Red alder	16,748	889.22	5,617	1,148.95	200	1,096.91	5,648	514.92	0	--
All hardwoods	53,883	1,308.16	26,175	1,500.95	458	1,231.92	14,786	1,062.58	0	--
Tacoma:										
Douglas-fir	107,772	840.42	95,453	859.71	0	--	171	1,254.48	0	--
Other firs	14,200	583.99	14,200	583.99	0	--	0	--	0	--
Cedars	501	795.24	295	966.38	0	--	0	--	0	--
Hemlock	37,496	593.76	32,334	655.45	0	--	0	--	0	--
Spruce	8,026	335.48	6,924	351.94	0	--	30	1,426.92	0	--
Pines	1,519	586.85	1,132	587.14	0	--	0	--	0	--
Redwood	81	887.79	10	626.63	0	--	56	804.55	0	--
Other softwoods	30,086	555.81	28,439	557.56	17	708.00	0	--	0	--
All softwoods	199,682	710.66	178,788	731.58	17	708.00	257	1,176.39	0	--
Red alder	13,351	970.15	3,767	1,196.04	300	1,683.60	2,038	612.72	0	--
All hardwoods	17,989	1,179.50	8,122	1,407.02	246	1,843.40	242	1,080.09	0	--

Table 56—Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, 1996 (continued)

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Other ports:^a										
Douglas-fir	106,537	547.71	9,565	784.92	0	--	98	1,090.47	89,558	490.34
Other firs	2,820	414.53	298	565.32	0	--	82	319.84	2,236	380.20
Cedars	19,650	410.36	461	721.90	0	--	0	--	18,934	397.66
Hemlock	9,954	498.01	4,298	532.11	0	--	155	507.17	3,282	428.76
Spruce	1,761	389.70	381	305.58	0	--	192	211.90	1,161	450.96
Pines	9,958	626.89	61	738.08	0	--	0	--	9,664	621.09
Redwood	235	1,237.79	16	2,041.08	0	--	0	--	45	1,495.67
Other softwoods	21,007	422.26	289	396.42	124	200.17	366	163.34	15,443	446.04
All softwoods	171,923	515.53	15,370	689.96	124	200.17	893	349.98	140,322	478.77
Red alder	13,769	1,505.06	91	1,024.61	0	--	0	--	402	845.60
All hardwoods	33,217	1,099.45	118	1,101.55	0	--	0	--	18,346	772.97
Total:										
Douglas-fir	299,178	748.39	185,296	867.57	59	912.00	846	807.31	89,581	490.28
Other firs	30,503	612.24	27,725	630.94	0	--	257	592.53	2,236	380.20
Cedars	23,431	467.40	2,583	826.17	10	1,169.74	994	639.80	18,934	397.66
Hemlock	148,418	642.48	135,647	671.03	0	--	378	658.37	3,282	428.76
Spruce	21,654	711.72	13,430	390.23	0	--	5,964	1,580.91	1,161	450.96
Pines	14,015	633.51	2,954	681.03	0	--	75	1,178.50	9,664	621.09
Redwood	1,187	1,108.73	503	1,397.29	0	--	69	796.32	45	1,495.67
Other softwoods	74,951	565.62	48,154	583.79	554	492.49	1,188	1,023.83	15,443	446.04
All softwoods	613,339	679.70	416,292	738.60	623	542.76	9,770	1,280.16	140,345	478.73
Red alder	44,110	1,102.51	9,474	1,166.48	500	1,448.43	7,928	532.35	402	845.60
All hardwoods	106,015	1,212.21	34,415	1,477.41	704	1,445.44	15,899	1,019.20	18,375	772.26

^a Bellingham, Blaine, Danville, Frontier, Kenmore Air Harbor, Laurier, Lynden, Metaline Falls, Oroville, and Sumas.

Source: U.S. Department of Commerce.

Table 57—Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, first quarter 1997

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Aberdeen-Hoquiam:										
Douglas-fir	1,558	843.55	1,558	843.55	0	--	0	--	0	--
Other firs	986	760.22	986	760.22	0	--	0	--	0	--
Hemlock	8,237	687.08	8,237	687.08	0	--	0	--	0	--
Other softwoods	4,837	723.94	4,837	723.94	0	--	0	--	0	--
All softwoods	15,618	718.73	15,618	718.73	0	--	0	--	0	--
Everett:										
Douglas-fir	247	961.44	247	961.44	0	--	0	--	0	--
Hemlock	277	822.75	277	822.75	0	--	0	--	0	--
All softwoods	524	888.06	524	888.06	0	--	0	--	0	--
Seattle:										
Douglas-fir	27,256	946.80	26,370	957.42	0	--	34	756.35	114	417.93
Other firs	6,759	556.88	6,636	535.73	0	--	91	2,066.52	0	--
Cedars	339	926.44	142	844.24	0	--	159	622.92	0	--
Hemlock	15,167	761.15	13,137	858.49	0	--	0	--	0	--
Spruce	6,077	811.00	1,517	759.91	0	--	4,560	828.01	0	--
Pines	1,015	619.33	638	720.93	0	--	0	--	0	--
Redwood	129	1,410.47	109	1,137.48	0	--	11	856.59	0	--
Other softwoods	6,647	743.65	6,262	737.93	21	387.56	37	537.29	0	--
All softwoods	63,390	822.08	54,811	849.42	21	387.56	4,892	841.68	114	417.93
Red alder	3,948	912.16	1,755	1,071.42	94	873.79	1,443	613.13	0	--
All hardwoods	12,205	1,292.61	6,247	1,383.19	192	1,074.88	4,316	1,194.67	0	--
Tacoma:										
Douglas-fir	19,522	865.35	17,676	850.14	0	--	158	1,547.25	20	459.30
Other firs	4,724	492.91	4,654	484.16	0	--	70	1,075.24	0	--
Cedars	213	713.83	141	778.49	0	--	0	--	0	--
Hemlock	3,917	706.14	3,779	721.58	0	--	0	--	0	--
Spruce	320	590.97	235	470.99	0	--	15	1,425.78	0	--
Pines	1,033	669.89	1,004	659.56	0	--	0	--	0	--
Other softwoods	6,928	679.85	6,344	667.83	0	--	0	--	0	--
All softwoods	36,657	756.50	33,833	742.66	0	--	243	1,404.16	20	459.30
Red alder	4,035	943.81	884	1,156.90	207	1,599.60	266	853.02	0	--
All hardwoods	6,789	1,108.21	2,347	1,396.36	217	1,582.30	282	872.13	0	--

Table 57—Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, first quarter 1997 (continued)

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Other ports: ^a										
Douglas-fir	29,604	583.31	4,865	687.73	0	--	0	--	23,360	553.51
Other firs	8,094	422.38	7,076	412.59	0	--	0	--	713	531.31
Cedars	6,334	558.67	7	553.13	0	--	0	--	5,948	553.12
Hemlock	2,253	520.70	928	568.17	0	--	0	--	1,061	453.88
Spruce	687	311.69	392	199.80	0	--	0	--	261	302.87
Pines	2,489	720.53	0	--	0	--	0	--	2,268	733.82
Redwood	373	684.89	0	--	0	--	0	--	57	616.34
Other softwoods	5,531	404.41	1,201	442.78	0	--	0	--	4,020	395.85
All softwoods	55,364	540.03	14,469	511.90	0	--	0	--	37,689	542.62
Red alder	3,961	1,338.99	0	--	0	--	18	930.22	332	856.44
All hardwoods	8,418	1,133.88	112	1,669.53	0	--	18	930.22	4,381	863.97
Total:										
Douglas-fir	78,188	786.83	50,717	890.68	0	--	192	1,407.89	23,494	552.77
Other firs	20,563	498.99	19,353	489.74	0	--	161	1,634.96	713	531.31
Cedars	6,886	581.60	289	805.36	0	--	159	622.92	5,948	553.12
Hemlock	29,850	715.92	26,358	774.70	0	--	0	--	1,061	453.88
Spruce	7,084	752.65	2,144	625.94	0	--	4,575	829.95	261	302.87
Pines	4,536	686.36	1,642	683.41	0	--	0	--	2,268	733.82
Redwood	503	871.48	109	1,137.48	0	--	11	856.59	57	616.34
Other softwoods	23,943	642.85	18,644	691.43	21	387.56	37	537.29	4,020	395.85
All softwoods	171,553	707.84	119,256	761.24	21	387.56	5,135	868.33	37,824	542.20
Red alder	11,943	1,064.40	2,639	1,100.05	301	1,373.68	1,727	653.39	332	856.44
All hardwoods	27,412	1,198.20	8,706	1,390.42	409	1,344.63	4,616	1,173.90	4,381	863.97

^a Bellingham, Blaine, Frontier, Laurier, Lynden, Metaline Falls, Oroville, and Sumas.

Source: US. Department of Commerce.

Table 58—Volume and average value of lumber exports by port, species, and destination, Columbia-Snake Customs District, 1996

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Astoria:										
Douglas-fir	758	787.64	0	--	0	--	0	--	0	--
Pines	82	577.47	0	--	0	--	0	--	0	--
Redwood	10	1,705.00	0	--	0	--	0	--	0	--
Other softwoods	228	354.54	0	--	0	--	0	--	0	--
All softwoods	1,078	688.59	0	--	0	--	0	--	0	--
All hardwoods	20	1,354.74	0	--	0	--	0	--	0	--
COOS Bay:										
Douglas-fir	146,728	765.74	93,576	795.15	0	--	61	1,753.61	0	--
Other firs	4,024	838.38	1,010	719.64	0	--	0	--	0	--
Cedars	2,039	690.11	1,826	665.46	0	--	0	--	0	--
Hemlock	491	730.78	436	715.21	0	--	0	--	0	--
Pines	73	558.39	0	--	0	--	0	--	0	--
Redwood	271	2,800.83	207	3,335.63	0	--	28	962.15	0	--
Other softwoods	3,340	574.05	156	652.43	0	--	0	--	0	--
All softwoods	156,967	765.85	97,210	796.74	0	--	89	1,507.46	0	--
Red alder	20	1,103.20	0	--	0	--	0	--	19	776.87
Longview (Washington):										
Douglas-fir	73,161	851.16	58,466	795.98	0	--	0	--	0	--
Other firs	1,452	561.20	1,368	485.96	0	--	0	--	0	--
Cedars	212	1,139.65	13	2,360.00	0	--	0	--	0	--
Hemlock	3,384	664.79	3,250	609.43	0	--	0	--	0	--
Spruce	520	622.04	243	1,102.88	0	--	0	--	0	--
Pines	590	986.71	47	954.41	0	--	0	--	0	--
Redwood	34	2,051.16	0	--	0	--	0	--	0	--
Other softwoods	6,055	694.58	5,671	675.40	0	--	0	--	0	--
All softwoods	85,409	828.48	69,058	772.63	0	--	0	--	0	--
Red alder	368	1,660.37	35	1,460.26	0	--	36	2,058.80	0	--
All hardwoods	1,432	1,364.75	676	1,104.36	0	--	36	2,058.80	0	--
Portland:										
Douglas-fir	135,931	872.69	113,225	904.10	0	--	208	2,013.22	200	1,160.79
Other firs	10,358	662.80	8,817	677.11	0	--	0	--	0	--
Cedars	2,914	894.32	1,576	1,038.53	0	--	15	1,766.02	178	1,184.25
Hemlock	13,195	627.22	13,084	626.30	0	--	24	590.67	0	--
Spruce	1,517	879.20	972	832.28	0	--	544	963.00	0	--
Pines	9,937	651.83	7,337	667.85	0	--	118	549.21	143	802.76
Redwood	1,217	1,385.69	839	1,613.03	0	--	0	--	147	919.54
Other softwoods	40,946	527.03	37,783	524.52	0	--	724	534.81	1	8,235.22
All softwoods	216,014	775.18	183,633	789.89	0	--	1,633	878.58	669	1,046.41
Red alder	13,013	1,186.77	3,154	1,318.04	32	1,017.25	1,553	1,541.56	3,536	887.25
All hardwoods	20,270	1,248.87	6,676	1,396.01	32	1,017.25	2,073	1,437.77	4,438	878.57
Total:										
Douglas-fir	356,578	824.08	265,267	841.83	0	--	269	1,954.26	200	1,160.79
Other firs	15,834	698.11	11,195	657.59	0	--	0	--	0	--
Cedars	5,165	823.79	3,415	843.93	0	--	15	1,766.02	178	1,184.25
Hemlock	17,070	637.64	16,769	625.34	0	--	24	590.67	0	--
Spruce	2,037	813.52	1,216	886.42	0	--	544	963.00	0	--
Pines	10,682	669.11	7,384	669.69	0	--	118	549.21	143	802.76
Redwood	1,532	1,653.18	1,046	1,953.50	0	--	28	962.15	147	919.54
Other softwoods	50,569	549.42	43,610	544.60	0	--	724	534.81	1	8,235.22
All softwoods	459,468	781.70	349,902	788.38	0	--	1,722	910.93	669	1,046.41
Red alder	13,401	1,199.64	3,189	1,319.59	32	1,017.25	1,589	1,553.42	3,555	886.67
All hardwoods	21,742	1,256.46	7,352	1,369.20	32	1,017.25	2,109	1,448.50	4,457	878.15

Source: U.S. Department of Commerce.

Table 59—Volume and average value of lumber exports by port, species, and destination, Columbia-Snake Customs District, first quarter 1997

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
coos Bay:										
Douglas-fir	25,545	792.81	13,323	848.82	0	--	0	--	0	--
Other firs	3,093	762.49	1,647	631.51	0	--	0	--	0	--
Cedars	228	837.90	120	588.12	0	--	0	--	0	--
Hemlock	107	548.51	89	368.94	0	--	0	--	0	--
Redwood	83	1,389.23	11	4,023.45	0	--	23	858.18	0	--
Other softwoods	368	476.82	0	--	0	--	0	--	0	--
All softwoods	29,423	786.81	15,189	822.80	0	--	23	858.18	0	--
Red alder	24	1,012.07	0	--	0	--	0	--	0	--
All hardwoods	36	1,164.38	0	--	0	--	0	--	0	--
Longview (Washington):										
Douglas-fir	23,652	802.03	20,123	705.25	0	--	0	--	0	--
Other firs	498	424.64	136	473.96	0	--	0	--	0	--
Cedars	9	3,674.73	9	3,674.73	0	--	0	--	0	--
Hemlock	1,428	627.46	1,085	709.13	0	--	0	--	0	--
Spruce	284	228.27	20	600.14	0	--	0	--	0	--
Pines	390	844.43	214	405.57	0	--	0	--	0	--
Redwood	23	1,959.27	23	1,959.27	0	--	0	--	0	--
Other softwoods	5,099	635.55	4,893	638.81	0	--	0	--	0	--
All softwoods	31,383	758.10	26,504	691.60	0	--	0	--	0	--
Red alder	337	1,294.66	33	1,308.14	0	--	33	1,435.16	25	751.94
All hardwoods	634	1,266.03	39	1,351.92	0	--	33	1,435.16	25	751.94
Portland:										
Douglas-fir	25,033	1,022.73	19,729	1,115.52	0	--	102	1,384.80	16	1,463.88
Other firs	4,919	685.30	4,511	677.94	0	--	0	--	0	--
Cedars	607	739.52	492	616.92	0	--	58	586.39	17	1,817.61
Hemlock	2,850	587.71	2,270	632.47	0	--	0	--	0	--
Spruce	293	713.23	53	1,151.87	0	--	239	615.41	0	--
Pines	1,983	696.21	1,240	799.34	0	--	0	--	0	--
Redwood	572	1,426.75	466	1,354.10	0	--	0	--	86	1,801.97
Other softwoods	8,507	645.06	7,671	671.21	0	--	0	--	0	--
All softwoods	44,764	871.01	36,432	923.31	0	--	399	808.06	119	1,758.48
Red alder	3,923	1,178.39	1,072	1,369.62	74	1,992.34	301	1,288.19	1,177	890.44
All hardwoods	6,188	1,150.17	1,859	1,200.42	80	2,087.13	380	1,295.24	1,654	869.39
Total:										
Douglas-fir	74,230	873.28	53,175	893.44	0	--	102	1,384.80	16	1,463.88
Other firs	8,510	698.11	6,294	661.38	0	--	0	--	0	--
Cedars	844	798.45	621	657.28	0	--	58	586.39	17	1,817.61
Hemlock	4,384	599.70	3,443	649.84	0	--	0	--	0	--
Spruce	577	474.49	73	1,001.98	0	--	239	615.41	0	--
Pines	2,374	720.58	1,454	741.28	0	--	0	--	0	--
Redwood	678	1,440.48	501	1,443.23	0	--	23	858.18	86	1,801.97
Other softwoods	13,974	637.16	12,564	658.59	0	--	0	--	0	--
All softwoods	105,570	813.98	78,125	825.16	0	--	422	810.82	119	1,758.48
Red alder	4,284	1,186.60	1,106	1,367.78	74	1,992.34	333	1,302.57	1,201	887.61
All hardwoods	6,857	1,160.96	1,898	1,203.53	80	2,087.13	412	1,306.32	1,678	867.67

Source: U.S. Department of Commerce.

**Table 60—Volume and average value of lumber exports by port, species, and destination,
San Francisco Customs District, 1996**

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Eureka:										
Redwood	100	819.96	0	--	0	--	100	819.96	0	--
Oakland:										
Douglas-fir	4,082	958.60	2,088	705.97	0	--	165	857.39	0	--
Other firs	5,690	355.20	95	1,262.07	0	--	5,383	322.83	0	--
Cedars	4,983	906.99	1,563	1,697.18	33	746.39	11	1,072.66	119	94.27
Hemlock	2,586	445.07	2,586	445.07	0	--	0	--	0	--
Pines	596	1,068.28	534	1,131.70	0	--	0	--	0	--
Redwood	10,005	800.95	8,440	690.76	0	--	0	--	81	901.57
Other softwoods	3,782	1,026.52	3,406	1,057.17	0	--	101	861.74	0	--
All softwoods	31,724	760.85	18,713	824.77	33	746.39	5,661	349.59	200	420.26
Red alder	121	790.92	0	--	0	--	0	--	0	--
All hardwoods	2,028	1,382.80	938	1,315.48	49	1,199.69	284	1,550.23	160	1,125.89
Sacramento:										
Douglas-fir	625	520.35	625	520.35	0	--	0	--	0	--
San Francisco:										
Douglas-fir	26	901.44	26	901.44	0	--	0	--	0	--
Hemlock	33	954.01	20	348.02	0	--	13	1,872.77	0	--
Redwood	25	760.00	25	760.00	0	--	0	--	0	--
Other softwoods	180	592.41	0	--	0	--	61	301.19	0	--
All softwoods	264	683.81	71	695.72	0	--	74	581.18	0	--
All hardwoods	21	1,722.80	0	--	0	--	21	1,722.80	0	--
Other ports: ^a										
Other firs	124	323.29	0	--	0	--	0	--	0	--
Redwood	1	3,787.80	0	--	0	--	0	--	0	--
All softwoods	125	346.86	0	--	0	--	0	--	0	--
Total:										
Douglas-fir	4,732	900.45	2,739	665.48	0	--	165	857.39	0	--
Other firs	5,814	354.52	95	1,262.07	0	--	5,383	322.83	0	--
Cedars	4,983	906.99	1,563	1,697.18	33	746.39	11	1,072.66	119	94.27
Hemlock	2,619	451.50	2,606	444.33	0	--	13	1,872.77	0	--
Pines	596	1,068.28	534	1,131.70	0	--	0	--	0	--
Redwood	10,131	801.29	8,465	690.97	0	--	100	819.96	81	901.57
Other softwoods	3,962	1,006.79	3,406	1,057.17	0	--	162	651.90	0	--
All softwoods	32,836	754.27	19,408	814.50	33	746.39	5,834	360.54	200	420.26
Red alder	121	790.92	0	--	0	--	0	--	0	--
All hardwoods	2,049	1,386.31	938	1,315.48	49	1,199.69	306	1,562.20	160	1,125.89

^a Richmond.

Source: U.S. Department of Commerce.

Table 61—Volume and average value of lumber exports by port, species, and destination, San Francisco Customs District, first quarter 1997

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Oakland:										
Douglas-fir	764	1,439.93	344	1,025.35	0	--	0	--	0	--
Other firs	836	648.50	168	1,872.52	0	--	593	322.87	0	--
Cedars	2,168	636.20	1,479	628.52	0	--	0	--	228	749.79
Hemlock	396	656.72	396	656.72	0	--	0	--	0	--
Pines	78	1,367.63	78	1,367.63	0	--	0	--	0	--
Redwood	4,092	946.00	3,641	671.49	0	--	0	--	0	--
Other softwoods	552	614.52	519	640.32	0	--	0	--	28	642.65
All softwoods	8,884	855.10	6,625	715.49	0	--	593	322.87	255	738.23
All hardwoods	949	559.34	400	645.01	11	1,074.50	0	--	40	843.14
San Francisco:										
All hardwoods	39	1,100.84	0	--	0	--	11	1,862.04	0	--
Richmond:										
All hardwoods	78	1,678.33	0	--	0	--	0	--	0	--
Total:										
Douglas-fir	764	1,439.93	344	1,025.35	0	--	0	--	0	--
Other firs	836	648.50	168	1,872.52	0	--	593	322.87	0	--
Cedars	2,168	636.20	1,479	628.52	0	--	0	--	228	749.79
Hemlock	396	656.72	396	656.72	0	--	0	--	0	--
Pines	78	1,367.63	78	1,367.63	0	--	0	--	0	--
Redwood	4,092	946.00	3,641	671.49	0	--	0	--	28	642.65
Other softwoods	552	614.52	519	640.32	0	--	0	--	0	--
All softwoods	8,884	855.10	6,625	715.49	0	--	593	322.87	255	738.23
All hardwoods	1,067	661.38	400	645.01	11	1,074.50	11	1,862.04	40	843.14

Source: U.S. Department of Commerce.

**Table 62—Volume and average value of lumber exports by port, species, and destination,
Anchorage Customs District, 1996**

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Anchorage:										
Other softwoods	1	3,515.22	0	--	0	--	0	--	0	--
Ketchikan:										
Cedars	20	705.74	20	705.74	0	--	0	--	0	--
Hemlock	14,831	557.28	14,761	558.75	0	--	0	--	70	246.76
Spruce	11,934	914.07	11,934	914.07	0	--	0	--	0	--
Pines	69	196.67	69	196.67	0	--	0	--	0	--
All softwoods	26,854	715.03	26,784	716.26	0	--	0	--	70	246.76
Skagway:										
Other softwoods	68	172.50	0	--	0	--	0	--	68	172.50
Total:										
Cedars	20	705.74	20	705.74	0	--	0	--	0	--
Hemlock	14,831	557.28	14,761	558.75	0	--	0	--	70	246.76
Spruce	11,934	914.07	11,934	914.07	0	--	0	--	0	--
Pines	69	196.67	69	196.67	0	--	0	--	0	--
Other softwoods	69	213.77	0	--	0	--	0	--	68	172.50
All softwoods	26,923	713.76	26,784	716.26	0	--	0	--	138	210.20

Source: U.S. Department of Commerce.

Table 63—Volume and average value of lumber exports by port, species, and destination, Anchorage Customs District, first quarter 1997

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Ketchikan:										
Hemlock	6,594	535.42	6,594	535.42	0	--	0	--	0	--
Spruce	3,770	437.90	3,770	437.90	0	--	0	--	0	--
Pines	344	294.60	0	--	0	--	344	294.60	0	--
All softwoods	10,708	493.35	10,364	499.95	0	--	344	294.60	0	--
Skagway:										
Hemlock	3	1,060.65	0	--	0	--	0	--	3	1,060.65
Total:										
Hemlock	6,597	535.65	6,594	535.42	0	--	0	--	3	1,060.65
Spruce	3,770	437.90	3,770	437.90	0	--	0	--	0	--
Pines	344	294.60	0	--	0	--	344	294.60	0	--
All softwoods	10,711	493.51	10,364	499.95	0	--	344	294.60	3	1,060.65

Source: U.S. Department of Commerce.

Table 64—Volume and average value of softwood lumber exports to Canada from the Great Falls Customs District, 1986-97^a

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

Year and quarter	Total		Douglas-fir		Western hemlock		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1986	34,429	245.35	8,210	284.90	752	355.05	25,467	229.36
1987	31,315	272.65	9,853	312.90	389	372.75	21,073	251.98
1988	31,333	294.35	10,180	298.72	640	343.75	20,513	290.65
1989	32,409	340.92	8,842	368.92	781	355.95	22,786	329.54
1990	44,262	407.23	18,405	399.51	839	671.04	25,018	404.07
1991	18,608	510.26	7,014	618.76	193	694.30	11,401	440.40
1992	16,119	573.49	8,158	662.54	655	716.03	7,306	461.27
1993	16,669	625.05	8,656	728.74	769	756.83	7,244	487.16
1994	11,750	635.06	6,138	719.13	339	634.22	5,273	537.27
1995	13,636	551.63	5,839	653.02	772	624.35	7,025	459.36
1996:								
1st quarter	2,613	545.32	1,398	594.29	267	630.32	948	449.22
2d quarter	4,572	564.57	1,347	639.39	354	564.65	2,871	529.47
3d quarter	3,021	638.49	841	901.65	231	588.92	1,950	530.88
4th quarter	2,598	637.03	989	835.19	219	461.19	1,390	523.74
1996 total	12,804	592.79	4,575	716.13	1,071	565.02	7,158	518.13
1997:								
1st quarter	5,361	483.71	2,252	575.90	331	714.07	2,778	381.57
2d quarter								
3d quarter								
4th quarter								
1997 total								

^a Great Falls Customs District includes all ports in Montana and Idaho.

Source: U.S. Department of Commerce.

Table 65—Volume and average value of hardwood lumber exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1986-97

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

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
1986	60,331	529.86	3,699	630.98	111	504.50	8,966	553.87
1987	73,644	559.99	7,989	657.90	3,316	699.94	17,337	416.28
1988	121,087	503.59	16,116	574.15	8,767	767.31	6,505	490.39
1989	85,722	741.38	22,106	609.47	64	656.25	10,894	983.75
1990	89,745	965.60	13,439	771.56	0	--	11,363	1,184.72
1991	84,711	941.49	17,432	1,072.74	0	--	14,782	1,031.80
1992	94,954	1,109.87	21,739	1,094.12	210	209.52	9,275	1,224.00
1993	91,661	1,161.64	26,165	1,196.18	301	548.17	14,722	1,409.93
1994	84,835	1,216.99	32,132	1,371.44	11	1,133.14	14,053	1,299.44
1995	93,216	1,174.13	27,333	1,316.39	0	--	5,715	1,326.68
1996	106,615	1,212.20	29,067	1,252.99	0	--	2,049	1,386.24
1997:								
1st quarter	27,412	1,198.19	6,857	1,160.97	0		1,067	661.02
2d quarter								
3d quarter								
4th quarter								
1997 total								
TO JAPAN								
1986	30,531	667.65	2,810	683.27	111	504.50	3,695	391.88
1987	39,778	595.35	4,173	569.37	361	761.77	12,430	301.69
1988	76,276	528.70	9,111	390.74	2,045	709.54	4,168	465.21
1989	42,867	791.89	9,203	665.98	25	760.00	8,041	1,053.97
1990	40,979	1,040.32	4,581	997.38	0		8,776	1,278.83
1991	52,801	992.25	8,667	1,155.30	0	--	11,445	1,065.97
1992	41,169	1,175.23	10,514	1,072.38	0	--	7,928	1,218.09
1993	40,028	1,250.50	13,027	1,275.81	92	1,369.57	5,417	1,480.52
1994	33,259	1,420.67	10,152	1,413.42	0	--	4,046	1,480.97
1995	38,123	1,456.84	8,953	1,378.98	0	--	2,239	1,360.88
1996	34,415	1,477.41	9,504	1,387.38	0	--	938	1,315.57
1997:								
1st quarter	8,706	1,390.38	1,898	1,203.71	0	--	400	645.68
2d quarter								
3d quarter								
4th quarter								
1997 total								
TO PEOPLES REPUBLIC OF CHINA								
1986	0		0		0	--	0	--
1987	0		8	875.00	0	--	6	333.33
1988	127	1,023.62	0		0	--	0	
1989	0		8,985	400.67	0	--	0	--
1990	210	600.00	4,217	430.64	0	--	0	--
1991	783	519.80	189	730.16	0	--	0	--
1992	333	633.63	0	--	0	--	53	509.43
1993	78	923.08	0	--	0	--	155	1,619.35
1994	203	724.14	0		0	--	92	1,206.52
1995	1,138	790.86	381	687.66	0	--	0	--
1996	704	1,445.01	55	896.45	0	--	49	1,204.08
1997:								
1st quarter	409	1,345.07	80	2,085.41	0		11	1,048.95
2d quarter								
3d quarter								
4th quarter								
1997 total								

Source: U.S. Department of Commerce.

Table 66—Volume of lumber exports from British Columbia ports by species and destination, 1986-96

(In thousand board feet)

Years	Total, all species	Douglas- fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
TO ALL COUNTRIES							
1986	5,718,134	506,289	2,062,006	862,049	163,672	2,121,451	2,667
1987	7,431,323		2,745,288	925,916	221,803	3,133,596	5,077
1988	12,202,632		NA	NA	NA	NA	19,272
1989	12,219,744	NA	NA	NA	NA	NA	2,398
1990	10,726,160	654,941	2,681,382	1,012,124	108,901	6,268,812	0
1991	10,478,322	738,594	2,109,779	1,039,977	99,206	6,490,766	NA
1992	11,384,925	716,128	2,022,278	1,004,424	95,363	7,546,730	NA
1993	11,974,849	663,596	2,241,928	1,032,731	105,173	7,931,421	NA
1994	12,271,589	703,609	2,218,517	946,795	108,334	8,139,641	NA
1995	12,500,939	830,686	1,984,977	1,181,420	105,851	8,398,005	NA
1996	12,256,620	801,192	1,863,155	1,141,084	106,854	8,344,335	NA
TO JAPAN							
1986	919,224	56,070	492,636	141,210	94,484	133,816	1,008
1987	1,333,078	112,615	731,908	122,113	113,364	250,898	2,180
1988	1,453,419	NA	NA	NA	NA	NA	2,167
1989	1,668,158	NA	NA	NA	NA	NA	1,028
1990	1,669,234	131,840	829,101	153,034	98,641	456,618	0
1991	1,904,373	193,001	877,657	144,311	90,017	599,387	NA
1992	1,962,805	203,486	891,320	174,525	85,762	607,710	NA
1993	2,271,386	205,075	1,097,117	164,749	100,295	704,150	NA
1994	2,246,318	244,610	1,103,547	31,067	102,293	643,783	NA
1995	2,420,462	320,540	1,078,768	175,070	97,437	748,647	NA
1996	2,616,214	435,525	977,918	198,872	98,232	905,667	NA
TO UNITED STATES ^a							
1986	3,825,528	299,617	1,160,014	650,072	63,164	1,651,033	1,628
1987	4,680,711	340,153	1,162,424	711,127	96,371	2,368,393	2,243
1988	8,948,832	NA	NA	NA	NA	NA	2,481
1989	8,693,567	NA	NA	NA	NA	NA	231
1990	7,425,801	337,804	1,021,148	764,591	0	5,302,258	0
1991	7,284,884	353,232	678,279	806,012	4,485	5,442,876	NA
1992	8,287,202	355,154	680,856	736,916	3,051	6,511,224	NA
1993	8,925,391	327,425	824,152	768,669	1,020	7,004,125	NA
1994	9,390,341	326,825	883,262	832,279	1,943	7,335,955	NA
1995	9,465,010	388,109	702,895	900,668	5,773	7,467,566	NA
1996	9,148,980	261,063	704,737	844,579	6,643	7,331,958	NA
TO PEOPLE'S REPUBLIC OF CHINA							
1986	40,297	0	39,919	0	0	378	0
1987	31,896	39	31,774	60	0	0	23
1988	84,425	NA	NA	NA	NA	NA	0
1989	21,859	NA	NA	NA	NA	NA	0
1990	3,143	0	1,310	199	0	1,634	0
1991	5,829	500	5,001	193	100	35	NA
1992	29,514	3,650	21,539	397	0	3,928	NA
1993	92,088	4,421	70,814	0	8	16,845	NA
1994	19,529	1,153	13,906	0	0	4,449	NA
1995	17,508	1,471	8,543	399	0	7,096	NA
1996	18,964	1,433	13,251	158	34	4,088	NA

NA = not available.

^a Figures do not include shipments of railroad crossties.

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

Table 67—Average value of lumber exports from British Columbia ports by species and destination, 1986-96

(In Canadian dollars per thousand board feet)

Year	Total, all species	Douglas- fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
TO ALL COUNTRIES							
1986	351.94	384.09	339.18	548.29	512.78	264.39	421.09
1987	384.55	426.51	399.03	641.44	592.85	272.97	709.72
1988	321.48	NA	NA	NA	NA	NA	689.66
1989	337.17	NA	NA	NA	NA	NA	934.95
1990	368.28	NA	NA	NA	NA	NA	--
1991	362.21	NA	NA	NA	NA	NA	NA
1992	422.47	NA	NA	NA	NA	NA	NA
1993	561.05	NA	NA	NA	NA	NA	NA
1994	636.28	NA	NA	NA	NA	NA	NA
1995	599.05	NA	NA	NA	NA	NA	NA
1996	644.30	954.14	768.75	1,005.34	1,428.22	527.36	NA
TO JAPAN							
1986	515.75	618.18	423.36	819.01	657.94	393.42	395.85
1987	617.78	746.66	542.06	1,138.30	832.39	428.13	891.27
1988	592.36	NA	NA	NA	NA	NA	1,081.80
1989	629.30	NA	NA	NA	NA	NA	1,407.59
1990	601.17	NA	NA	NA	NA	NA	--
1991	558.92	NA	NA	NA	NA	NA	NA
1992	666.39	NA	NA	NA	NA	NA	NA
1993	NA	NA	NA	NA	NA	NA	NA
1994	NA	NA	NA	NA	NA	NA	NA
1995	NA	NA	NA	NA	NA	NA	NA
1996	937.88	1,137.11	907.80	1,501.09	1,453.21	694.99	NA
TO UNITED STATES ^a							
1986	297.77	291.99	286.20	446.61	267.78	249.35	425.48
1987	298.52	277.19	291.64	490.71	291.06	247.36	498.03
1988	251.41	NA	NA	NA	NA	NA	331.55
1989	255.58	NA	NA	NA	NA	NA	658.01
1990	285.87	NA	NA	NA	NA	NA	--
1991	285.48	NA	NA	NA	NA	NA	NA
1992	339.91	NA	NA	NA	NA	NA	NA
1993	453.29	NA	NA	NA	NA	NA	NA
1994	522.60	NA	NA	NA	NA	NA	NA
1995	457.72	NA	NA	NA	NA	NA	NA
1996	538.79	603.52	551.49	790.82	1,021.98	505.80	NA
TO PEOPLE'S REPUBLIC OF CHINA							
1986	298.30	--	300.70	--	--	44.64	--
1987	309.90	1,460.00	306.96	1,076.53	--	--	418.57
1988	305.35	NA	NA	NA	NA	NA	--
1989	313.46	NA	NA	NA	NA	NA	--
1990	NA	NA	NA	NA	NA	NA	--
1991	NA	NA	NA	NA	NA	NA	NA
1992	NA	NA	NA	NA	NA	NA	NA
1993	NA	NA	NA	NA	NA	NA	NA
1994	NA	NA	NA	NA	NA	NA	NA
1995	NA	NA	NA	NA	NA	NA	NA
1996	403.13	495.46	353.56	1,335.44	1,411.76	487.28	NA

NA = not available.

^a Figures do not include shipments of railroad crossies.

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

Table 68—Volume of all species of lumber imports into the Seattle Customs District, 1989-97

(Volume in thousand board feet, Scribner scale)

Year and quarter	Countries of origin						
	All countries	Canada	Chile	West Germany	New Zealand	Russia	Ukraine
1989	3,067,786	3,067,600	94	0	35	0	0
1990	2,805,029	2,804,895	19	0	106	0	0
1991	2,709,965	2,708,783	0	0	139	0	0
1992	3,252,358	3,249,597	2,030	25	541	80	64
1993	3,279,118	3,264,557	8,267	25	6,197	17	0
1994	3,575,758	3,552,050	19,789	0	3,142	414	0
1995	3,871,772	3,850,896	19,367	0	839	35	0
1996:							
1st quarter	1,042,383	1,037,759	4,175	0	103	53	0
2d quarter	928,037	922,680	4,565	0	28	25	0
3d quarter	1,001,875	996,828	4,881	0	56	6	0
4th quarter	831,128	826,399	4,634	0	44	0	0
1996 total	3,803,422	3,783,666	18,255	0	230	84	0
1997:							
1st quarter	818,732	812,960	5,345	0	132	16	0
2d quarter							
3d quarter							
4th quarter							
1997 total							

Source: U.S. Department of Commerce.

Table 69—Average value of all species of lumber imports into the Seattle Customs District, 1989-97

(Value in dollars per thousand board feet)

Year and quarter	Countries of origin						
	All countries	Canada	Chile	West Germany	New Zealand	Russia	Ukraine
1989	229.45	229.41	702.13	--	657.14	--	--
1990	239.62	239.57	368.42	--	1,283.02	--	--
1991	244.85	244.78	--	--	1,258.99	--	--
1992	276.17	275.43	829.06	1,560.00	1,079.48	500.00	140.63
1993	341.24	338.07	941.45	1,520.00	1,193.48	1,117.65	--
1994	366.93	363.49	872.56	--	1,021.01	442.03	--
1995	329.76	326.99	816.44	--	1,156.14	885.71	--
1996:							
1st quarter	322.64	320.37	759.28	--	1,072.75	1,018.87	--
2d quarter	366.77	364.30	813.17	--	1,464.29	800.00	--
3d quarter	400.86	398.33	892.04	--	1,626.97	842.86	--
4th quarter	424.78	421.79	933.53	--	1,604.03		
1996 average	376.33	373.77	852.49	--	1,352.17	940.48	--
1997:							
1st quarter	436.85	434.21	819.28	--	1,089.23	621.05	--
2d quarter							
3d quarter							
4th quarter							
1997 average							

Source: U.S. Department of Commerce.

Table 70—Volume of all species of lumber imports into the Columbia-Snake Customs District, 1989-97

(Volume in thousand board feet, Scribner scale)

Year and quarter	Countries of origin							
	All countries	Brazil	Canada	Chile	Malaysia	New Zealand	Russia	Switzerland
1989	4,927	0	4,197	729	0	0	0	0
1990	4,672	0	4,194	466	0	11	0	0
1991	1,183	25	6	1,142	0	11	0	0
1992	6,380	699	0	4,869	171	625	0	17
1993	19,572	4,171	171	6,013	0	8,696	333	0
1994	49,292	20,249	23	5,266	0	22,964	117	0
1995	45,075	13,792	1,953	1,250	0	27,103	17	0
1996:								
1st quarter	7,458	2,339	0	110	0	4,906	0	0
2d quarter	10,721	2,720	0	258	0	6,222	0	0
3d quarter	14,056	2,026	0	51	0	10,548	0	0
4th quarter	11,203	2,274	0	240	0	8,294	0	0
1996 total	43,438	9,359	0	659	0	29,970	0	0
1997:								
1st quarter	11,306	1,656	0	330	0	8,842	0	0
2d quarter								
3d quarter								
4th quarter								
1997 total								

Source: U.S. Department of Commerce,

Table 71—Average value of all species of lumber imports into the Columbia-Snake Customs District, 1989-97

(value in dollars per thousand board feet)

Year and quarter	Countries of origin							
	All countries	Brazil	Canada	Chile	Malaysia	New Zealand	Russia	Switzerland
1989	272.38	--	218.97	577.50	--	--	--	--
1990	250.86	--	211.02	600.86	--	545.46	--	--
1991	1,041.42	1,160.00	1,000.00	1,030.65	--	1,727.27	--	--
1992	930.25	928.47		904.91	1,257.31	1,059.20	--	235.29
1993	992.34	850.64	362.18	1,003.16	--	1,067.85	765.77	--
1994	917.05	913.13	956.52	1,240.22	--	825.60	863.25	--
1995	882.48	889.65	321.56	1,888.97	--	868.48	705.88	
1996:								
1st quarter	846.82	830.98	--	1,977.22	--	827.44	--	--
2d quarter	693.86	778.45		1,984.50	--	640.47	--	--
3d quarter	627.16	849.84	--	468.10	--	585.71	--	--
4th quarter	864.54	912.16	--	1,365.24	--	849.36	--	--
1996 average	742.56	839.52	--	1,641.08	--	709.58	--	
1997:								
1st quarter	916.07	926.13	--	1,723.80	--	892.97	--	--
2d quarter								
3d quarter								
4th quarter								
1997 average								

Source: U.S. Department of Commerce.

Table 72—Volume and average value of plywood exports from Seattle and Columbia-Snake Customs Districts by destination, 1986-97

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

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Softwood 3/8-inch basis		Hardwood surface measure		softwood 3/8-inch basis		Hardwood surface measure		softwood 3/8-inch basis		Hardwood surface measure	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES												
1986	204,236	210.84	12,622	155.52	26,381	254.69	12,275	156.17	177,855	204.34	347	132.56
1987	243,637	216.55	10,318	152.36	36,200	245.36	10,041	147.79	204,637	211.52	277	317.69
1988	289,573	224.51	20,411	164.47	48,810	232.27	18,987	158.69	240,763	222.94	1,424	241.57
1989	309,243	208.19	18,092	191.96	68,885	219.42	17,754	191.45	240,358	204.97	338	218.93
1990	259,182	215.13	21,993	285.45	67,461	234.59	18,355	298.23	191,721	208.28	3,638	221.00
1991	237,910	217.53	35,912	264.35	77,471	231.31	32,306	266.58	160,439	210.87	3,606	244.32
1992	144,531	247.46	44,110	294.40	40,085	262.67		294.48	104,446	241.83	1,105	291.40
1993	136,189	277.72	35,494	335.61	55,197	295.18	34,232	336.12	80,992	265.82	1,262	321.71
1994	102,369	278.81	33,481	332.96	32,612	262.88	31,986	330.96	89,757	286.27	1,495	375.92
1995	107,205	275.89	51,540	314.59	57,437	246.41	49,754	316.05	49,768	309.92	1,786	273.80
1996	114,058	240.04	50,407	286.43	76,352	221.54	47,189	288.48	37,706	277.49	3,219	256.29
1997:												
1st quarter	30,374	237.74	13,922	300.61	23,097	218.95	12,097	314.13	7,277	297.38	1,825	210.88
2d quarter												
3d quarter												
4th quarter												
1997 total												
TO JAPAN												
1986	7,644	264.52	39	1,000.00	1,277	245.11	39	1,000.00	6,367	268.42	0	--
1987	11,299	250.64	400	327.50	2,670	266.29	157	414.01	8,629	245.80	243	271.60
1988	15,166	233.35	1,954	252.81	7,445	231.83	852	261.74	7,721	234.81	1,102	245.92
1989	17,075	210.01	891	243.55	10,880	204.04	874	242.56	6,195	220.50	17	294.12
1990	16,144	224.54	616	235.39	14,312	221.00	200	285.00	1,832	252.18	416	211.54
1991	21,407	233.66	723	192.25	20,385	231.54	413	186.44	1,022	275.93	310	200.00
1992	7,434	239.44	1,358	362.30	5,232	247.13	1,189	339.78	2,202	221.16	169	520.71
1993	11,122	331.86	1,021	437.81	6,906	386.48	486	448.56	4,216	242.41	535	428.04
1994	7,405	316.68	1,813	387.76	3,210	321.50	1,398	359.80	4,195	312.99	415	481.93
1995	9,194	295.74	3,077	547.61	3,621	265.95	2,331	631.06	5,573	315.09	746	286.86
1996	22,484	249.60	1,590	522.64	16,218	251.59	571	968.48	6,266	244.50	1,019	272.82
1997:												
1st quarter	4,425	299.46	344	717.81	4,014	304.21	135	1,432.79	411	253.04	209	253.95
2d quarter												
3d quarter												
4th quarter												
1997 total												
TO WESTERN EUROPE												
1986	174,439	203.26	304	128.29	8,305	309.30	304	128.29	165,134	187.29	0	--
1987	207,811	211.14	346	199.42	15,480	259.37	346	199.42	192,331	207.26	0	--
1988	232,672	209.74	579	202.07	18,424	212.31	579	202.07	216,248	209.55	0	--
1989	254,053	206.39	71	408.45	26,593	229.95	43	488.37	227,460	203.64	28	285.71
1990	191,734	213.80	3,035	200.99	24,129	267.19	111	270.28	167,605	206.11	2,924	198.02
1991	162,745	217.03	4,882	247.23	19,376	255.01	1,971	239.47	143,369	211.90	2,911	252.49
1992	99,956	245.45	2,156	551.95	9,182	297.87	1,589	664.57	90,774	240.15	567	236.33
1993	69,023	271.01	241	979.25	5,656	343.71	196	1,122.45	63,367	264.52	45	355.56
1994	59,905	293.00	185	1,216.22	3,967	410.13	138	1,239.13	55,938	284.69	47	1,148.94
1995	40,772	319.14	236	394.07	4,618	414.03	203	413.79	36,154	307.02	33	272.73
1996	33,358	270.16	877	256.56	9,477	256.09	0		23,881	275.74	877	256.56
1997:												
1st quarter	5,290	323.09	1,120	281.13	948	392.41	106	371.94	4,342	307.95	924	261.84
2d quarter												
3d quarter												
4th quarter												
1997 total												

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

Table 73—Volume and average value of plywood exports from California, 1986-97^a

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

Year and quarter	All California		Northern California				Southern California			
	All plywood		Softwood, 3/8-inch basis		Hardwood, surface measure		Softwood, 3/8-inch basis		Hardwood, surface measure	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1986	27,563	235.13	4,231	268.73	548	167.88	10,977	186.48	11,807	271.45
1987	24,096	286.73	2,653	308.33	275	280.00	7,588	206.38	13,580	327.54
1988	41,865	239.89	4,791	223.75	843	196.92	15,664	208.38	20,567	269.41
1989	41,919	197.67	6,322	245.18	674	229.97	15,414	178.67	19,509	196.17
1990	65,513	179.20	3,365	295.10	1,104	221.01	28,254	194.24	32,790	152.94
1991	109,426	167.31	2,909	248.88	1,000	256.00	72,564	163.21	32,953	166.45
1992	119,871	152.73	2,135	251.05	1,407	148.54	76,300	147.97	40,029	156.71
1993	84,760	215.76	1,186	236.09	947	353.75	61,382	208.19	21,245	230.36
1994	89,402	202.69	1,223	375.31	49	408.16	65,046	178.18	23,084	262.17
1995	49,444	288.57	581	294.32	781	304.74	30,902	277.52	17,180	307.51
1996:										
1st quarter	16,686	230.91	427	259.95	242	99.17	11,988	212.46	4,029	290.64
2d quarter	20,232	210.80	588	238.10	302	208.61	11,902	204.00	7,440	219.62
3d quarter	22,827	216.54	545	222.02	153	261.44	13,799	192.02	8,339	255.91
4th quarter	23,137	214.38	66	515.15	344	261.63	15,476	181.18	7,251	280.24
1996 total	82,880	217.46	1,626	249.69	1,041	208.45	53,155	196.18	27,058	257.67
1997:										
1st quarter	19,119	208.12	369	376.69	129	232.56	13,385	171.24	5,236	289.92
2d quarter										
3d quarter										
4th quarter										
1997 total										

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

Source: U.S. Department of Commerce.

Table 74—Volume and average value of veneer exports from Seattle and Columbia-Snake Customs Districts by destination, 1986-97

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

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Softwood 3/8-inch basis		Hardwood, surface measure		Softwood, 3/8-inch basis		Hardwood, surface measure		Softwood, 3/8-inch basis		Hardwood, surface measure	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES												
1986	333,798	30.57	64,746	108.64	271,342	29.28	61,800	109.45	62,456	36.15	2,946	91.65
1987	290,803	43.49	79,792	77.09	239,599	32.00	70,955	79.77	51,091	91.39	8,837	55.58
1988	163,092	55.56	172,369	81.09	125,461	47.42	153,013	84.20	37,631	82.70	19,356	56.52
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990	79,843	110.67	120,836	122.78	75,047	105.19	118,087	121.71	4,596	200.17	2,748	168.06
1991	124,425	91.79	135,266	142.31	111,897	88.11	132,675	141.98	12,528	124.88	2,591	159.40
1992	132,503	88.25	124,510	129.77	116,204	71.31	108,327	136.76	16,299	208.97	16,183	82.99
1993	178,830	106.57	177,779	118.86	140,740	90.52	167,899	117.76	37,890	168.19	9,880	137.55
1994	117,830	147.54	302,401	99.62	80,330	113.53	276,805	99.42	37,500	220.40	25,596	101.70
1995	108,048	153.07	180,438	109.38	77,668	124.71	150,514	107.39	30,380	225.54	9,924	139.58
1996	111,737	151.32	149,396	129.87	83,803	126.69	129,311	132.15	27,934	225.17	20,085	115.21
1997:												
1st quarter	51,684	89.33	43,281	127.93	49,188	82.36	40,159	129.04	2,498	226.54	3,122	114.02
2d quarter												
3d quarter												
4th quarter												
1997 total												
TO JAPAN												
1986	94,390	21.81	10,024	58.36	51,781	14.60	8,001	50.87	42,609	30.58	2,023	87.99
1987	61,161	81.57	24,300	64.53	20,392	27.61	17,151	63.73	40,769	108.56	7,149	66.44
1988	38,585	107.58	81,628	96.87	21,628	77.21	63,065	77.21	16,959	121.29	18,563	55.65
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990	33,574	145.88	64,727	124.31	30,053	141.42	63,918	123.50	3,521	183.75	809	187.89
1991	92,521	90.93	89,489	142.00	88,453	84.44	87,678	141.27	4,068	232.06	1,811	177.25
1992	107,855	79.79	68,480	123.12	94,090	61.57	53,423	135.80	13,765	204.36	15,057	78.10
1993	158,584	103.60	80,803	105.14	121,842	85.81	76,615	103.06	36,742	162.62	4,188	143.27
1994	106,489	147.97	113,772	75.71	68,989	108.60	104,030	73.07	37,500	220.40	8,742	103.98
1995	91,833	141.66	59,448	91.31	62,025	101.83	56,664	88.05	29,808	224.54	2,784	157.33
1996	94,020	131.85	13,380	125.19	66,476	93.31	5,733	123.32	27,544	224.84	7,647	126.59
1997:												
1st quarter	27,107	98.68	7,680	121.88	24,893	86.81	5,417	128.49	2,214	232.18	2,263	105.63
2d quarter												
3d quarter												
4th quarter												
1997 total												
TO WESTERN EUROPE												
1986	22,313	37.87	1,953	73.73	3,287	34.07	1,953	73.73	19,026	38.47	0	--
1987	10,016	51.42	1,688	9.48	294	105.44	0	--	9,722	49.78	1,688	9.48
1988	6,373	104.19	1,275	83.14	525	116.19	482	93.36	5,848	103.11	793	76.92
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990	367	242.51	2,987	118.30	239	221.76	2,967	118.30	128	281.25	0	--
1991	7,531	44.35	3,228	102.85	0	--	3,228	102.85	7,531	44.35	0	--
1992	1,306	216.69	108	203.70	1,215	211.52	108	203.70	92	282.61	0	--
1993	115	278.26	242	247.93	115	278.26	202	277.23	0	--	40	100.00
1994	30	700.00	4,093	116.78	30	700.00	2,354	116.40	0	--	1,739	117.31
1995	235	255.32	3,197	151.70	235	255.32	1,250	180.80	0	--	1,947	133.03
1996	2,088	238.51	3,280	137.80	1,971	236.94	2,635	143.83	117	264.96	645	114.73
1997:												
1st quarter	786	139.88	2,292	125.24	502	115.59	1,853	118.72	285	182.69	438	152.81
2d quarter												
3d quarter												
4th quarter												
1997 total												

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

8 Table 75—Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1992-97

(In thousand board feet, Scribner scale)

Agency	1992	1993	1994	1995	1996		1997				Total
					Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	
Montana:											
USDA Forest Service ^a	331,288	209,113	126,858	177,493	294,932	22,119	54,249				
U.S. Bureau of Land Manage. ^b	9,661	4,327	1,254	2,938	2,463	460	-11				
U.S. Bureau of Indian Affairs	45,126	13,733	16,097	15,411	10,285	1,967	2,430				
State of Montana	26,644	19,822	12,853	14,594	25,176	11,377	6,023				
Total	412,718	246,994	157,062	210,437	332,856	35,923	62,691				
Idaho:											
USDA Forest Service ^a	423,701	412,907	171,960	184,206	375,299	38,839	21,374				
U.S. Bureau of Land Manage. ^b	8,145	1,122	10,560	5,409	2,114	73	431				
U.S. Bureau of Indian Affairs	1,645	2,781	NA	NA	NA	NA	NA				
State of Idaho	247,521	200,597	196,151	144,664	332,581	48,349	36,135				
Total	681,012	617,407	NA	NA	NA	NA	NA				
All public lands:											
USDA Forest Service ^a	754,989	622,020	298,818	361,699	670,230	60,958	75,623				
U.S. Bureau of Land Manage. ^b	17,806	5,449	11,814	8,347	4,577	533	420				
U.S. Bureau of Indian Affairs	46,771	16,514	NA	NA	NA	NA	NA				
State of Montana	26,644	19,822	12,853	14,594	25,176	11,377	6,023				
State of Idaho	247,521	200,597	196,151	144,664	332,581	48,349	36,135				
Total	1,093,730	864,401	NA	NA	NA	NA	NA				

NA = not available.

^a Convertible products only.

^b Does not include cull log sales.

Source: Respective agencies listed.

Table 76—Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1992-97

(In dollars per thousand board feet)

Agency	1992	1993	1994	1995	1996		1997				
					Average	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
Montana:											
USDA Forest Service ^a	152.94	251.36	247.63	150.08	121.60	112.52	157.86				
U.S. Bureau of Land Management ^b	163.91	224.22	186.87	95.41	198.61	187.76	113.46				
U.S. Bureau of Indian Affairs	187.89	137.38	123.32	100.62	117.67	219.34	230.86				
State of Montana	181.48	249.28	332.84	260.79	239.40	225.88	196.16				
Average	158.86	244.38	241.38	153.37	130.96	155.23	164.37				
Idaho:											
USDA Forest Service ^a	141.74	306.72	275.55	135.09	96.88	77.19	215.57				
U.S. Bureau of Land Management ^b	93.37	143.32	258.27	74.98	47.92	164.08	42.49				
U.S. Bureau of Indian Affairs	145.54	280.41	NA	NA	NA	NA	NA				
State of Idaho	283.99	447.49	450.31	254.17	169.93	287.56	330.47				
Average	192.86	352.04	NA	NA	NA	NA	NA				
All public lands:											
USDA Forest Service ^a	146.65	288.11	263.70	142.44	107.76	90.01	174.17				
U.S. Bureau of Land Management ^b	131.64	207.56	250.69	82.17	129.01	184.52	40.63				
U.S. Bureau of Indian Affairs	186.40	161.46	NA	NA	NA	NA	NA				
State of Montana	181.48	249.28	332.84	260.79	239.40	225.88	196.16				
State of Idaho	283.99	447.49	450.31	254.17	169.93	287.56	330.47				
Average	180.04	321.28	NA	NA	NA	NA	NA				

NA = not available.

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

^b Does not include cull log prices.

Source: Respective agencies listed.

Table 77--Volume of sawtimber sold on National Forests by selected species, Northern Region, 1990-97

(In thousand board feet, Scribner scale)

Year and quarter	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Engelmann spruce	Western hemlock	Cedars	Larch	True firs	All species
1990	118,767	14,606	25,361	139,209	43,909	18,718	29,467	61,425	139,115	650,082
1991	116,868	22,984	24,996	127,304	35,262	10,273	39,655	58,512	131,342	605,031
1992	87,414	11,814	8,323	121,923	22,377	28,029	7,185	28,975	40,788	386,942
1993	61,641	17,486	5,336	75,364	14,497	4,574	9,243	21,025	47,930	290,080
1994	15,010	5,900	9,152	42,627	3,240	472	3,610	6,802	8,361	101,547
1995	37,185	2,668	8,634	45,924	22,331	1,148	1,858	15,486	18,057	164,696
1996:										
1st quarter	5,800	740	66	3,483	297	11	39	136	326	11,749
2d quarter	22,816	1,790	778	6,737	3,962	1,693	251	2,515	1,823	44,661
3d quarter	13,158	5,661	1,882	33,849	7,293	265	4,355	2,009	39,078	112,364
4th quarter	36,126	2,098	7,697	43,611	7,012	3,160	5,322	8,410	25,835	148,437
1996 total	77,900	10,289	10,422	87,680	18,565	5,129	9,966	13,070	67,062	317,211
1997:										
1st quarter	10,013	2,025	412	30,223	875	2,016	1,790	1,157	6,544	60,785
2d quarter										
3d quarter										
4th quarter										
1997 total										

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

Table 78--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1986-97^a

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa pine	Western white pine	Lodgepole pine	Engelmann spruce	Western hemlock	Cedars	Larch	True firs	All species
1986	35.10	64.30	119.20	35.90	37.60	34.60	73.10	32.90	32.10	37.40
1987	46.60	127.80	115.50	46.20	57.20	71.10	133.40	45.10	42.90	54.70
1988	57.60	89.30	85.50	53.00	65.00	74.00	92.00	64.60	64.20	63.20
1989	108.45	151.14	126.21	122.69	143.73	130.80	147.07	123.52	132.99	121.53
1990	131.65	184.79	205.52	145.35	156.14	153.03	183.35	161.66	158.55	146.10
1991	132.24	172.30	199.72	134.26	151.88	115.47	218.82	167.40	138.36	145.89
1992	225.11	184.02	258.59	225.58	194.83	204.33	230.65	216.13	210.11	212.87
1993	350.28	384.41	451.82	389.59	402.36	403.06	520.03	467.79	328.04	371.37
1994	334.15	172.43	506.47	389.94	243.28	325.30	526.12	414.98	391.32	376.34
1995	244.41	265.39	283.39	253.14	313.37	225.00	251.43	195.44	194.02	240.49
1996:										
1st quarter	156.67	138.31	173.22	97.28	217.82	85.78	287.88	206.02	79.63	134.11
2d quarter	149.59	178.65	103.09	209.15	101.53	126.71	173.97	106.61	102.88	193.08
3d quarter	226.37	174.41	234.24	245.75	98.36	116.84	228.50	230.17	165.59	
4th quarter	157.93	172.47	240.87	224.19	143.71	184.54	294.66	215.68	181.47	194.73
1996 total	166.95	172.15	228.96	226.32	118.08	161.75	262.69	196.82	169.59	185.83
1997:										
1st quarter	281.10	137.90	244.46	159.01	196.86	202.75	506.37	198.35	224.20	200.64
2d quarter										
3d quarter										
4th quarter										
1997 total										

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

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

Table 79—Volume and average value of timber harvested on the National Forests of the Northern Region, 1997

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

Quarter	Beaverhead		Bitterroot		Clearwater		Custer		Deerlodge	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	1.4	254.08	3.8	138.73	3.5	352.51	.1	10.00	0.0	--
2d qtr.										
3d qtr.										
4th qtr.										
Total										
	flathead		Gallatin		Helena		Kootenai		Lewis and Clark	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	4.6	135.80	.7	10.00	3.5	235.24	20.3	177.05	.5	28.87
2d qtr.										
3d qtr.										
4th qtr.										
Total										
	Lolo		Nezperce		Panhandle ^a		Northern Idaho		Montana	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	3.0	119.62	.1	292.27	.1	161.72	15.4	238.33	37.8	167.04
2d qtr.										
3d qtr.										
4th qtr.										
Total										
	Northeastern Washington		All Forests							
	Volume	Average value	Volume	Average value						
1st qtr.	.1	161.72	53.4	187.60						
2d qtr.										
3d qtr.										
4th qtr.										
Total										

^a Includes a small portion of the Forest that lies in northeastern Washington.

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

Table 80—Volume of sawtimber sold on National Forests by selected species, Intermountain Region, 1990-97

(Volume in thousand board feet, Scribner scale)

Year and quarter	Douglas-fir	Lodgepole pine	Ponderosa pine	Engelmann spruce	Larch	True firs	ALL species
1990	100,409	39,508	102,527	26,940	565	19,546	317,270
1991	51,543	36,759	53,088	15,033	476	21,844	192,768
1992	117,817	30,832	40,445	16,568	313	24,680	244,723
1993	68,368	23,529	77,684	29,402	0	42,577	261,169
1994	49,268	23,082	29,337	7,050	1	8,780	133,178
1995	38,281	9,523	34,109	25,990	0	14,195	131,454
1996:							
1st quarter	15,920	4,928	13,079	2,168	0	1,444	40,172
2d quarter	41,018	4,520	17,777	5,838	0	19,692	92,493
3d quarter	10,081	6,098	3,430	6,533	0	16,198	48,337
4th quarter	2,844	618	6,011	4,128	0	11,861	64,327
1996 total	69,863	16,164	40,297	18,667	0	49,195	245,329
1997:							
1st quarter	3,164	615	1,718	1,540	0	1,604	11,327
2d quarter							
3d quarter							
4th quarter							
1997 total							

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

Table 81—Average stumpage prices for sawtimber sold on National Forests by selected species, Intermountain Region, 1990-97^a

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Lodgepole pine	Ponderosa pine	Engelmann spruce	Larch	True firs	All species
1990	64.63	69.78	131.28	95.21	117.12	76.56	90.31
1991	113.11	76.98	201.50	110.90	209.33	69.76	120.66
1992	138.42	138.67	358.45	164.31	220.06	131.04	170.00
1993	243.15	197.51	606.18	192.63	--	227.90	325.04
1994	270.10	324.61	585.93	251.71	368.86	471.25	340.63
1995	139.87	195.53	271.61	104.19	--	306.22	186.97
1996:							
1st quarter	48.89	124.16	123.45	122.72	--	85.13	90.30
2d quarter	48.15	176.36	112.07	121.36	--	23.07	66.97
3d quarter	116.40	110.42	107.53	131.91	--	86.37	99.18
4th quarter	208.27	157.26	206.06	101.48	--	101.59	86.38
1996 average	64.69	134.84	129.40	120.81	--	64.67	82.23
1997:							
1st quarter	133.52	112.09	124.06	214.42	--	132.98	118.16
2d quarter							
3d quarter							
4th quarter							
1997 average							

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

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

Table 82—Volume and average value of timber harvested on the National Forests of the Intermountain Region, 1997

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

Quarter	Ashley		Boise		Bridger		Caribou		Challis	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	1.5	72.01	11.7	205.50	1.5	14.71	.6	165.21	0.0	--
2d qtr.										
3d qtr.										
4th qtr.										
Total										
	Dixie		Fishlake		Humboldt		Manti-Lasal		Payette	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	1.6	24.84	.1	9.93	.1	11.38	.5	100.25	6.5	506.16
2d qtr.										
3d qtr.										
4th qtr.										
Total										
	Salmon		Sawtooth		Targhee		Toiyabe ^a		Wasatch	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	1.0	188.39	.2	79.83	.9	155.66	4.1	62.24	.2	52.12
2d qtr.										
3d qtr.										
4th qtr.										
Total										
	Southern Idaho		Nevada		Utah ^b		Wyoming		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	20.9	293.89	.4	14.60	4.1	52.91	1.5	14.71	30.7	216.20
2d qtr.										
3d qtr.										
4th qtr.										
Total										

^a Includes a small portion of the Forest that lies in California.

^b Includes a very small volume from the Uinta National Forest.

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

Table 83—Volume of timber sold on publicly owned or managed lands in California, 1992-97

(In thousand board feet, Scribner scale)

Agency	1992	1993	1994	1995	1996		1997				Total
					Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	
USDA Forest Service ^a	1,238,351	651,282	539,006	453,066	480,224	108,147	180,216				
U.S. Bureau of Land Management ^b	10,420	7,876	18,570	5,733	13,780	2,901	0				
U.S. Bureau of Indian Affairs ^c	31,985	12,867	14,576	15,328	14,576	0	3,914				
State of California	23,470	12,200	10,683	49,193	33,747	33,747	0				
Total	1,304,226	684,225	582,835	523,319	542,328	144,795	184,130				

^a Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.^b Does not include cull log sales or volume given away through free use permits.^c Available only on fiscal-year basis for 1991-93.

Source: Respective agencies listed.

Table 84—Average stumpage prices of timber sold on publicly owned or managed lands in California, 1992-97

(In dollars per thousand board feet)

Agency	1992	1993	1994	1995	1996		1997				Average
					Average	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	
USDA Forest Service ^{a b}	126.43	229.73	193.49	109.30	117.08	116.27	103.25				
U.S. Bureau of Land Manage. ^c	242.21	279.24	60.29	222.21	275.03	288.73	--				
U.S. Bureau of Indian Affairs	217.11	331.19	455.66	525.84	455.66	--	336.74				
State of California	463.92	629.71	596.06	428.51	460.02	460.02	--				
Average	135.65	239.34	203.18	152.74	151.54	199.84	108.21				

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

^b Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

^c Does not include cull log sales or volume given away through free use permits.

Source: Respective agencies listed.

Table 85—Volume of sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1989-97

(Volume in thousand board feet, Scribner scale)

Year and quarter	Douglas-fir	Ponderosa and Jeffrey pines	Sugar pine	Lodgepole pine	Cedars	True firs	All species
1989	218,081	256,045	113,679	11,553	45,352	571,855	1,301,426
1990	225,997	359,374	101,273	8,360	31,742	678,986	1,414,651
1991	20,255	202,500	52,401	2,011	18,306	283,883	585,525
1992	34,591	240,049	41,283	6,274	16,030	310,815	675,839
1993	40,961	127,534	32,299	2,468	15,718	237,828	473,184
1994	9,609	34,620	6,098	1,810	3,223	58,968	121,544
1995	19,298	112,778	12,870	1,383	11,530	73,771	236,029
1996:							
1st quarter	7,396	10,450	1,918	64	4,835	15,846	40,627
2d quarter	10,510	10,121	2,283	68	784	19,135	43,362
3d quarter	7,314	6,054	2,805	298	1,696	24,425	54,234
4th quarter	22,667	26,824	6,673	1,582	8,226	46,063	149,412
1996 total	47,887	53,449	13,679	2,012	15,541	105,469	287,635
1997:							
1st quarter	19,054	23,903	5,667	491	6,513	51,913	125,372
2d quarter							
3d quarter							
4th quarter							
1997 total							

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

Table 86—Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1986-97"

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa and Jeffrey pines	Sugar pine	Lodgepole pine	Cedars	True firs	All species
1986	66.49	125.62	134.43	10.82	132.69	46.08	87.23
1987	81.15	209.31	287.63	11.40	138.66	49.90	124.89
1988	95.64	182.14	260.43	43.20	190.90	68.89	135.65
1989	201.26	291.96	289.15	57.02	153.30	88.30	177.60
1990	218.91	217.62	285.13	84.12	231.48	85.02	166.25
1991	186.62	237.62	241.25	80.05	184.64	83.08	156.70
1992	320.19	292.30	491.64	90.80	374.41	156.15	234.05
1993	390.17	535.17	598.17	163.70	245.24	272.75	367.30
1994	416.25	291.34	625.19	165.10	189.98	159.36	241.46
1995	350.92	158.36	396.82	105.64	120.08	171.00	186.16
1996:							
1st quarter	241.71	255.68	268.77	9.06	92.74	194.98	209.42
2d quarter	154.78	281.45	348.63	40.36	181.98	155.48	194.74
3d quarter	130.07	303.53	367.04	102.28	105.10	139.83	148.36
4th quarter	207.44	322.44	301.22	46.82	162.04	211.17	187.14
1996 average	189.36	299.48	318.08	53.61	135.26	182.11	184.12
1997:							
1st quarter	157.32	242.26	190.84	50.35	103.86	184.24	162.98
2d quarter							
3d quarter							
4th quarter							
1997 average							

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

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

Table 87—Volume and average value of timber harvested on the National Forests of the Pacific Southwest Region, 1997

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

Quarter	Angeles		Cleveland		Eldorado		Inyo		Klamath ^a	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	.1	62.77	.1	40.00	1.7	153.95	.9	39.85	14.1	128.60
2d qtr.										
3d qtr.										
4th qtr.										
Total										
	Lassen		Los Padres		Mendocino		Modoc		Plumas	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	5.2	51.63	.2	23.23	.3	27.61	6.0	110.41	8.0	18.55
2d qtr.										
3d qtr.										
4th qtr.										
Total										
	San Bernardino		Sequoia		Shasta		Sierra		Six Rivers	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	.5	46.03	.3	-2.65	9.7	29.06	.4	74.72	.9	230.24
2d qtr.										
3d qtr.										
4th qtr.										
Total										
	Stanislaus		Tahoe		Trinity		LTBMU ^b		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	1.8	27.72	14.5	6.06	3.5	150.25	.5	2.46	68.5	64.23
2d qtr.										
3d qtr.										
4th qtr.										
Total										

^a Includes a small portion of the Forest that lies in southern Oregon.

^b Lake Tahoe Basin Management Unit.

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

Table 88—Monthly stumpage volume and average value of timber sold on National Forest lands in Washington and Oregon, 1995-97

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

Year and month	East side		West side		Pacific Northwest Region	
	Volume	Average value	Volume	Average value	Volume	Average value
1995:						
January	13	166.39	0	--	13	166.39
February	3	85.00	a	278.43	3	98.26
March	9	147.02	8	332.44	17	234.25
April	10	129.05	a	496.01	11	133.23
May	17	81.63	3	446.76	20	136.91
June	23	126.60	6	503.45	30	208.24
July	6	215.82	4	511.13	10	322.91
August	34	117.20	9	437.85	43	184.59
September	100	97.67	96	379.22	196	236.02
October	61	52.48	77	346.44	138	217.09
November	33	49.60	4	222.50	37	69.79
December	8	62.09	a	143.59	8	63.04
Total	316	94.18	208	371.59	524	204.24
1996:						
January	53	59.15	11	58.57	63	59.05
February	8	51.78	1	479.18	8	68.72
March	13	52.64	12	510.61	25	272.76
April	9	26.80	16	283.92	25	187.50
May	12	62.77	6	237.72	18	121.75
June	27	134.06	14	334.12	41	203.55
July	29	122.58	24	425.93	53	258.04
August	52	90.38	44	374.34	96	219.77
September	62	134.05	58	285.32	119	207.08
October	52	130.26	62	351.69	114	250.99
November	38	66.87	41	437.32	79	258.86
December	42	132.67	117	294.93	159	251.94
Total	397	101.42	403	333.41	800	218.38
1997:						
January	0	--	4	96.29	4	96.29
February	6	45.31	1	406.04	6	46.93
March	1	94.54	1	699.80	2	464.06
April						
May						
June						
July						
August						
September						
October						
November						
December						
Total						

^a Less than 1 million board feet.

Note: These figures are preliminary.

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

Table 89—Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1993-97

(In thousand board feet, Scribner scale)

Agency	1993	1994	1995	1996		1997				
				Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Western Washington:										
USDA Forest Service ^a	27,296	21,553	71,432	82,354	2,815	24,578				
U.S. Bur. Land Mgmt.	0	0	0	0	0	0				
U.S. Bur. Indian Aff.	27,755	NA	NA	NA	NA	NA				
State of Washington ^b	423,401	344,887	511,815	410,996	106,076	113,843				
Total	478,452	NA	NA	NA	NA	NA				
Eastern Washington:										
USDA Forest Service ^a	64,690	82,101	138,086	140,759	43,022	6,641				
U.S. Bur. Land Mgmt.	20	0	1,010	2,978	0	0				
U.S. Bur. Indian Aff.	54,676	NA	NA	NA	NA	NA				
State of Washington ^b	60,818	67,382	81,080	79,468	11,018	11,732				
Total	180,204	NA	NA	NA	NA	NA				
Western Oregon:										
USDA Forest Service ^a	154,085	100,711	256,016	449,656	26,338	60,675				
U.S. Bur. Land Mgmt.	33,539	16,309	155,564	160,301	36,894	29,181				
U.S. Bur. Indian Aff.	164	NA	NA	NA	NA	NA				
State of Oregon	34,693	125,289	124,638	160,243	32,692	43,019				
Total	222,481	NA	NA	NA	NA	NA				
Eastern Oregon:										
USDA Forest Service ^a	391,993	182,947	293,569	462,310	57,128	50,788				
U.S. Bur. Land Mgmt.	2,067	4,820	2,483	7,301	0	28				
U.S. Bur. Indian Aff.	34,790	NA	NA	NA	NA	NA				
State of Oregon	4,483	9,611	3,130	0	0	0				
Total	433,333	NA	NA	NA	NA	NA				
All public lands:										
USDA Forest Service ^a	638,063	387,312	759,102	1,135,080	129,303	142,682				
U.S. Bur. Land Mgmt.	35,626	21,129	159,057	170,580	36,894	29,209				
U.S. Bur. Indian Aff.	117,385	NA	NA	NA	NA	NA				
State of Washington ^b	484,219	412,269	592,895	490,464	117,094	125,575				
State of Oregon	39,176	134,899	127,768	160,243	32,692	43,019				
Total	1,314,470	NA	NA	NA	NA	NA				

NA = not available.

^a Convertible products only.

^b Excludes sales under \$20,000.

Source: Respective agencies listed.

Table 90—Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1993-97

(In dollars per thousand board feet)

Agency	1993	1994	1995	1996		1997				
				Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Western Washington:										
USDA Forest Service ^a	296.15	183.37	315.62	246.99	125.77	247.34				
U.S. Bur. Land Mgmt.		—	—	—	—	—				
U.S. Bur. Indian Aff.	298.38	NA	NA	NA	NA	NA				
State of Washington ^b	602.14	536.81	404.81	440.47	453.57	504.19				
Average	567.06	NA	NA	NA	NA	NA				
Eastern Washington:										
USDA Forest Service ^a	113.76	226.34	72.73	92.87	46.31	153.50				
U.S. Bur. Land Mgmt.	197.50	—	72.59	88.45	—	—				
U.S. Bur. Indian Aff.	361.26	NA	NA	NA	NA	NA				
State of Washington ^b	489.62	457.87	354.54	226.84	265.67	126.26				
Average	315.71	NA	NA	NA	NA	NA				
Western Oregon:										
USDA Forest Service ^a	263.94	522.47	358.84	233.82	222.34	294.58				
U.S. Bur. Land Mgmt.	431.56	337.14	435.59	390.83	424.12	253.40				
U.S. Bur. Indian Aff.	366.77	NA	NA	NA	NA	NA				
State of Oregon	772.15	554.43	508.42	457.90	493.35	519.70				
Average	368.54	NA	NA	NA	NA	NA				
Eastern Oregon:										
USDA Forest Service ^a	304.15	96.36	125.22	85.90	88.57	69.96				
U.S. Bur. Land Mgmt.	973.13	139.57	192.86	68.05	—	35.00				
U.S. Bur. Indian Aff.	318.15	NA	NA	NA	NA	NA				
State of Oregon	380.07	414.66	393.94	—	—	—				
Average	309.25	NA	NA	NA	NA	NA				
All public lands:										
USDA Forest Service ^a	274.79	239.56	212.38	157.05	102.57	199.92				
U.S. Bur. Land Mgmt.	462.85	292.07	429.50	371.73	424.12	253.19				
U.S. Bur. Indian Aff.	333.62	NA	NA	NA	NA	NA				
State of Washington ^b	588.01	523.91	397.94	405.86	435.89	468.88				
State of Oregon	727.28	544.47	505.62	457.90	493.35	519.70				
Average	414.01	NA	NA	NA	NA	NA				

NA = not available.

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

^b Excludes sales under \$20,000.

Source: Respective agencies listed.

Table 91--Volume of sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1986-97

(Volume in thousand board feet, Scribner scale)

Year and quarter	Douglas-fir		Ponderosa and Jeffrey pines	Sugar pine	White pine	Lodgepole pine	Engelmann spruce	Sitka spruce	Western hemlock	Cedars ^a	Larch	Noble fir and Shasta red fir	Other true firs	All species
	West side	East side												
1986	2,094,394	386,494	814,884	29,709	20,618	93,677	21,984	14,166	698,341	123,268	46,364	61,384	421,708	4,859,978
1987	1,876,085	286,167	680,770	34,524	10,593	80,925	27,906	9,573	495,796	103,239	34,841	118,646	397,108	4,206,502
1988	1,790,538	289,044	643,546	39,436	10,917	136,398	39,222	10,232	330,541	99,038	66,308	49,729		
1989	599,527	222,795	452,393	17,288	5,891	69,981	30,314	2,358	100,717	33,950	38,834	24,497	200,923	4,282,351
1990	1,931,649	269,703	513,635	25,035	6,581	158,096	24,965	3,360	278,068	71,847	69,441	41,829	384,564	4,270,541
1991	124,078	94,537	211,308	1,050	561	86,157	11,480	322	41,324	8,551	25,920	9,085	152,952	799,445
1992	131,359	70,198	113,187	1,328	695	73,563	1,600	251	39,227	6,696	9,452	7,186	69,772	534,968
1993	113,985	43,974	150,418	2,886	178	20,082	4,356	61	7,272	3,596	2,350	1,007	27,029	
1994	59,333	37,560	21,418	1,847	332	31,501	1,816	45	9,454	3,126	10,251	1,305		222,700
1995	161,107	72,291	87,349	2,885	985	31,194	1,568	176	29,358	8,012	7,953	19,606	51,284	499,871
1996:														
1st quarter	9,725	24,912	19,054	716	0	4,383	398	0	2,155	313	661	57	16,534	82,764
2d quarter	19,291	98,305	9,369	14,260	99	3,562	1,305	279	2,527	339	1,197	709	8,815	163,199
3d quarter	5,714	51,874	9,438	26	173	19,992	162	0	8,196	598	8,716	689	26,145	154,299
4th quarter	31,717	144,002	51,630	441	552	7,031	5	0	19,413	2,025	1,909	9,428	77,003	369,251
1996 total	66,447	319,093	89,490	15,443	824	34,968	1,870	279	32,291	3,326	12,484	10,883	128,497	769,512
1997:														
1st quarter	17,363	33,318	13,206	1,649	1,289	3,450	0	1,096	5,848	208	90	6,616	4,096	91,367
2d quarter														
3d quarter														
4th quarter														
1997 total														

^a Includes Port-Orfordcedar, Alaska cedar, incense cedar, and western redcedar.

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

Table 92—Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1986-97^a

(In dollars per thousand board feet)

Year and quarter	Douglas-fir		Ponderosa and Jeffrey pines	Sugar pine	White pine	Lodgepole pine	Engelmann spruce	Sitka spruce	Western hemlock	Cedars ^b	Larch	Noble fir and Shasta red fir	Other true firs	All species
	West side	East side												
1986	160.70	34.10	196.30	199.10	116.70	9.40	38.10	93.90	74.10	156.30	48.50	84.30	47.70	127.90
1987	190.20	46.00	267.10	300.60	220.10	18.00	24.00	81.20	103.70	192.40	46.30	101.90	63.70	161.50
1988	256.04	83.52	295.45	253.55	236.83	40.38	51.92	98.28	161.86	259.18	80.74	134.21	89.94	206.40
1989	389.80	161.60	323.44	292.91	272.66	68.90	105.94	87.51	222.47	158.06	132.73	203.00	149.42	268.37
1990	466.35	149.07	297.78	341.35	262.42	59.39	96.80	138.53	203.04	266.30	141.66	407.83	161.08	330.00
1991	394.95	110.03	322.50	335.70	187.53	92.40	141.31	219.92	164.10	284.94	94.24	279.49	142.37	224.61
1992	477.21	183.78	487.91	454.16	239.47	103.74	143.96	176.17	164.68	231.76	258.95	193.34	183.42	309.12
1993	317.75	254.53	595.26	531.45	518.59	156.52	82.08	524.91	363.66	367.31	352.47	341.51	333.72	407.96
1994	652.36	307.87	318.20	588.27	763.67	155.72	216.00	376.68	334.80	363.51	482.19	449.81	250.13	394.14
1995	453.38	143.57	253.19	433.58	488.33	136.01	146.22	175.10	291.84	86.56	271.48	285.36	217.78	295.34
1996:														
1st quarter	440.76	133.29	114.90	297.17	--	128.30	161.54	--	41.53	197.37	376.48	180.47	125.71	158.58
2d quarter	440.65	89.53	157.22	33.04	42.24	82.49	12.67	107.67	174.77	218.93		227.40	129.69	134.27
3d quarter	145.84	399.90	180.32	549.03	338.81	92.97	188.65	--	226.11	172.55	199.46	369.33		263.48
4th quarter	406.43	364.92	183.26	455.51	376.95	94.41	236.05	--	245.25	663.32	251.76	190.65	140.50	278.04
1996 average	398.98	267.68	165.67	58.21	328.74	96.62	60.19	107.67	221.28	497.17	217.49	204.30	139.36	231.78
1997:														
1st quarter	328.39	435.65	207.65	421.98	305.89	270.32	--	112.61	212.37	723.56	206.34	221.06	144.71	322.91
2d quarter														
3d quarter														
4th quarter														
1997 average														

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

^b Includes Port-Orford-cedar, Alaska cedar, incense cedar, and western redcedar.

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

Figure 7--Average stumpage price for sawtimber sold on
National Forests, Pacific Northwest Region



Table 93—Volume and average value of timber harvested on the National Forests of the Pacific Northwest Region, 1997

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

Quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr. 2d qtr. 3d qtr. 4th qtr.	4.8	235.54	30.3	170.38	10.7	147.14	1.8	416.21	10.9	217.28
Total										
	Mount Baker-Snoqualmie		Mount Hood		Ochoco		Okanogan		Olympic	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr. 2d qtr. 3d qtr. 4th qtr.	1.8	64.17	1.3	129.61	6.2	135.73	3.2	277.52	3.4	178.53
Total										
	Rogue River ^a		Siskiyou ^a		Siuslaw		Umatilla		Umpqua	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr. 2d qtr. 3d qtr. 4th qtr.	2.3	414.76	2.1	447.03	.7	350.06	3.3	39.16	6.3	398.95
Total										
	Wallowa-Whitman		Wenatchee		Willamette		Winema		Western Oregon	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr. 2d qtr. 3d qtr. 4th qtr.	8.3	96.70	5.1	45.31	21.8	415.38	4.6	110.88	34.5	402.04
Total										
	Eastern Oregon		Western Washington		Eastern Washington		Northern California		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr. 2d qtr. 3d qtr. 4th qtr.	74.3	153.22	6.9	210.06	13.0	171.97	0.0	--	128.9	224.89
Total										

^a Includes a small portion of the Forest that lies in northern California.

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

Table 94—Volume and average stumpage price of selected species sold on the National Forests of the Pacific Northwest Region, 1997^{a b}

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

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs ^c		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
Western Oregon:												
Mount Hood--												
1st quarter	1,100	696.82	4	223.19	0	--	7	282.06	0	--	1,112	689.77
2d quarter												
3d quarter												
4th quarter												
Total and average												
Rogue River--												
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter												
3d quarter												
4th quarter												
Total and average												
Siskiyou--												
1st quarter	114	883.50	0	--	0	--	0	--	0	--	114	884.22
2d quarter												
3d quarter												
4th quarter												
Total and average												
Siuslaw--												
1st quarter	0		0	--	0		0		0	--	0	--
2d quarter												
3d quarter												
4th quarter												
Total and average												
Umpqua--												
1st quarter	80	507.15	0	--	0	--	0	--	0	--	80	507.15
2d quarter												
3d quarter												
4th quarter												
Total and average												
Willamette--												
1st quarter	40	639.25	0	--	0	--	3	208.95	0	--	43	609.49
2d quarter												
3d quarter												
4th quarter												
Total and average												
All western Oregon:												
1st quarter	1,334	699.67	4	223.19	0		10	260.09	0	--	1,349	692.81
2d quarter												
3d quarter												
4th quarter												
Total and average												
Western Washington:												
Gifford Pinchot--												
1st quarter	0		0	--	0		0		0		0	
2d quarter												
3d quarter												
4th quarter												
Total and average												
Mount Baker-Snoqualmie--												
1st quarter	9	371.78	0		0		0	--	1	41.00	11	399.82
2d quarter												
3d quarter												
4th quarter												
Total and average												
Olympic--												
1st quarter	81	172.18	0		0		2,003	87.77	0		3,747	95.79
2d quarter												
3d quarter												
4th quarter												
Total and average												

Table 94—Volume and average stumpage price of selected species sold on the National Forests of the Pacific Northwest Region, 1997^{a,b} (continued)

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

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs ^c		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
All western Washington:												
1st quarter	90	192.14	0		0		2,003	87.77	1	41.00	3,758	96.68
2d quarter												
3d quarter												
4th quarter												
Total and average												
All western Oregon and western Washington:												
1st quarter	1,424	384.09	4	223.25	0		2,013	88.63	1	41.00	5,107	254.15
2d quarter												
3d quarter												
4th quarter												
Total and average												
Eastern Oregon:												
Deschutes--												
1st quarter	0		0		0		0		0		2,139	5.27
2d quarter												
3d quarter												
4th quarter												
Total and average												
Fremont--												
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter												
3d quarter												
4th quarter												
Total and average												
Malheur--												
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter												
3d quarter												
4th quarter												
Total and average												
Ochoco--												
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter												
3d quarter												
4th quarter												
Total and average												
Umatilla--												
1st quarter	0		0		0		0	--	0		0	
2d quarter												
3d quarter												
4th quarter												
Total and average												
Willowa-Whitman--												
1st quarter	0		755	17.05	1,840	76.71	0		635	41.56	3,382	62.98
2d quarter												
3d quarter												
4th quarter												
Total and average												
Winema--												
1st quarter	0		0		0		0		196	107.51	471	79.11
2d quarter												
3d quarter												
4th quarter												
Total and average												
All eastern Oregon:												
1st quarter	0		755	17.05	1,840	76.71	0		831	57.12	5,992	43.65
2d quarter												
3d quarter												
4th quarter												
Total and average												

Table 94—Volume and average stumpage price of selected species sold on the National Forests of the Pacific Northwest Region, 1997^{a,b} (continued)

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

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs ^c		All species	
	West side		East side		Volume	Value	Volume	Value	Volume	Value	Volume	Value
	Volume	Value	Volume	Value								
Eastern Washington:												
Colville--												
1st quarter	0	--	2,187	172.62	0	--	0	--	0	--	4,509	184.10
2d quarter												
3d quarter												
4th quarter												
Total and average												
Okanogan--												
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter												
3d quarter												
4th quarter												
Total and average												
Wenatchee--												
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter												
3d quarter												
4th quarter												
Total and average												
All eastern Washington:												
1st quarter	0	--	2,107	172.62	0		0	--	0		4,509	184.10
2d quarter												
3d quarter												
4th quarter												
Total and average												
All eastern Oregon and eastern Washington:												
1st quarter	0	--	2,952	132.83	1,840	78.71	0	--	831	57.12	10,501	103.96
2d quarter												
3d quarter												
4th quarter												
Total and average												
Pacific Northwest Region:												
1st quarter	1,424	384.09	2,956	132.95	1,840	76.71	2,013	88.63	832	57.10	15,608	153.10
2d quarter												
3d quarter												
4th quarter												
Total and average												
All of Oregon:												
1st quarter	1,334	397.04	759	18.14	1,840	78.71	10	260.09	831	57.12	7,341	162.94
2d quarter												
3d quarter												
4th quarter												
Total and average												
All of Washington:												
1st quarter	90	182.14	2,107	172.62	0		2,003	87.77	1	41.00	8,267	144.36
2d quarter												
3d quarter												
4th quarter												
Total and average												

R = revised.

^a Preliminary

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

^c Does not include noble fir or Shasta red fir.

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

Table 95—Volume of timber sold on publicly owned or managed lands in Alaska, 1992-97

(In thousand board feet, Scribner scale)

Agency	1992	1993	1994	1995	1996		1997				
					Total	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
USDA Forest Service ^a	155,731	67,195	93,942	63,945	74,545	356	37,828				
U.S. Bureau of Land Management ^b	175	520	250	246	0	0	0				
U.S. Bureau of Indian Affairs	57	1,200	6,015	NA	0	0	118				
State of Alaska	12,479	23,160	^c 16,237	32,438	11,567	442	NA				
Total	168,442	92,075	116,444	NA	86,112	798	NA				

NA = not available.

^a Convertible products only.

^b Does not include cull log sales or volume given away through free use permits.

^c Figure available on annual basis only.

Source: Respective agencies listed.

Table 96--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1992-97

(In dollars per thousand board feet)

Agency	1992	1993	1994	1995	1996		1997				Total
					Average	1st qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	
USDA Forest Service ^a	18.88	102.27	112.95	35.47	165.54	15.08	138.51				
U.S. Bureau of Land Manage. ^b	11.91	11.73	6.17	19.57	--						
U.S. Bureau of Indian Affairs	38.60	49.61	101.00	NA			96.00				
State of Alaska	33.63	49.80	NA	NA	NA	NA	NA				
Average	19.97	87.87	96.35	NA	NA	NA	NA				

NA = not available.

^a Prices received for individual sales may vary significantly from the averages shown in this table because of differences in species mix, quality, road costs, logging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage on National Forest lands are high bid value. Road costs are not included in the bid.

^b Does not include cull log sales or volume given away through free use permits.

Source: Respective agencies listed.

Table 97—Volume of sawtimber sold on National Forests by selected species, Alaska Region, 1986-97

(Volume in thousand board feet, Scribner scale)

Year and quarter	Sitka spruce	Western hemlock	Cedars	Other softwoods	All species
1986	41,784	131,364	a	17,536	190,685
1987	38,147	67,293	a	17,741	123,181
1988	4,666	9,582	1,292	638	17,997
1989	30,271	52,070	18,684	786	101,998
1990	7,348	14,549	4,008	0	25,905
1991	-77,975	-193,227	-5,191	693	-275,701
1992	32,192	77,129	25,728	30	135,079
1993	13,106	31,597	7,508	55	52,263
1994	11,812	34,999	6,288	612	53,712
1995	10,560	41,131	1,548	1,229	54,468
1996:					
1st qtr.	7	0	20	0	27
2d qtr.	11,434	23,465	1,819	1,328	38,046
3d qtr.	5,769	15,395	5,331	4	26,499
4th qtr.	557	1,697	284	454	2,991
1996 total	17,767	40,556	7,453	1,786	67,563
1997:					
1st qtr.	8,815	20,254	3,738	584	33,392
2d qtr.					
3d qtr.					
4th qtr.					
1997 total					

^a Volume of cedar is included in "other softwoods" category.

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

Table 98—Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1986-97^a

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedars	Other softwoods	All species
1986	18.08	17.41	^b	32.46	18.94
1987	58.23	25.02	^b	167.06	55.76
1988	168.95	33.91	277.17	15.50	83.77
1989	201.35	84.86	290.31	46.55	156.68
1990	337.81	83.55	289.40	—	187.53
1991	174.48	11.34	238.05	43.70	61.67
1992	78.82	3.24	132.93	21.03	45.96
1993	211.06	40.25	484.29	29.91	146.86
1994	346.11	20.65	670.37	70.34	168.86
1995	278.05	14.75	945.53	25.63	92.50
1996:					
1st quarter	150.00	—	97.00	—	110.74
2d quarter	781.43	1.25	1,295.36	45.04	299.11
3d quarter	149.73	1.29	478.07	10.00	129.53
4th quarter	9.83	1.31	29.97	37.44	33.87
1996 average	551.87	1.27	668.55	43.04	220.78
1997:					
1st quarter	202.73	30.78	711.29	21.25	152.19
2d quarter					
3d quarter					
4th quarter					
1997 average					

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

^b Prices for cedar are included in "other softwoods" category.

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

Table 99—Volume and average value of all species of all timber products sold from the USDA Forest Service Regions of the Western United States, 1986-97"

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

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region-east side		Pacific Northwest Region-west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	value	Volume	value	Volume	value	Volume	Value	Volume ^b	Value
1986	926.8	28.23	334.0	19.68	483.9	26.36	447.7	23.74	1,456.9	72.30	2,020.7	87.64	3,761.9	108.49	255.6	9.12
1987	942.0	41.20	427.5	20.79	420.3	52.67	367.7	36.19	1,617.2	110.47	1,637.0	119.09	3,284.7	133.99	137.6	26.79
1988	918.9	47.23	409.3	33.43	443.1	49.93	386.8	57.68	2,012.0	118.35	1,734.9	136.85	3,172.4	187.27	20.2	73.57
1989	904.1	93.45	384.9	43.78	315.3	59.39	403.8	59.73	1,438.5	154.32	1,282.8	161.75	1,142.3	267.42	117.3	107.95
1990	750.6	111.23	372.5	49.70	350.4	65.24	401.1	69.75	1,576.8	142.45	1,496.3	144.07	3,380.1	337.73	32.2	60.79
1991	717.7	102.64	268.5	46.81	221.2	54.96	279.4	80.11			766.0	140.74	296.6	227.89	50.8	35.05
1992	501.0	149.51	316.7	135.46	225.4	116.15	320.7	123.13	1,238.7	198.40	505.1	177.27	261.5	282.88	155.7	18.88
1993	382.0	280.22	242.5	153.30	103.9	93.32	339.5	248.01	699.4	243.40	456.5	277.15	181.4	268.79	67.2	102.27
1994	157.6	244.82	194.1	209.57	111.1	81.74	189.2	230.84	539.0	193.49	265.0	136.60	122.3	462.69	64.9	98.39
1995	258.6	149.05	130.5	165.68	76.1	35.36	203.3	121.28	453.1	109.20	431.7	108.43	327.4	349.41	63.9	35.47
1996:																
1st qtr.	25.0	107.72	10.6	103.39	3.4	18.68	45.4	70.47	108.1	116.27	101.2	69.72	29.2	213.01	.4	15.08
2d qtr.	80.7	79.10	26.8	63.83	3.3	17.24	106.0	49.10	79.8	107.76	71.9	62.32	177.5	102.92	39.3	288.80
3d qtr.	150.4	132.15	27.4	51.65	14.2	15.25	75.4	61.98	79.2	100.48	156.8	88.46	92.6	280.29	31.0	30.00
4th qtr.	222.5	144.14	30.0	163.92	17.0	32.96	72.5	72.87	213.1	127.16	266.9	97.02	232.8	322.41	3.8	10.57
Total and average	478.6	127.50	94.8	96.36	37.8	23.68	299.4	61.34	480.2	117.08	595.8	86.11	532.0	235.86	74.5	165.54
1997:																
1st qtr.	73.1	175.61	89.5	128.83	20.6	97.26	11.9	92.13	180.2	103.25	56.6	78.33	85.3	280.96	37.8	138.51
2d qtr.																
3d qtr.																
4th qtr.																
Total and average																

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

^b Does not include long-term timber contracts.

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

Figure 8—Average **value** of all timber products sold from
Forest Service Regions of the Western United States



Table 100--Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1986-97^a

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

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region-east side		Pacific Northwest Region--westside		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1986	1,016.1	37.73	452.6	12.91	502.6	46.32	476.9	17.43	1,960.3	182.35	1,978.9	92.84	3,306.1	99.15	272.2	3.29
1987	1,132.1	42.05	433.4	14.92	486.6	56.42	446.2	25.51				106.03	3,470.6	118.58	352.2	-8.87
1988	920.7	46.49	419.6	17.79	522.7	61.98	449.3	32.28	2,160.6	104.53	1,727.4	121.18	3,778.8	166.32	408.9	4.86
1989	1,085.0	56.25	405.0	24.34	499.4	53.69	410.2	41.20	2,014.5	119.30	1,932.8	130.31	3,031.2	193.68	461.9	13.30
1990	904.5	68.55	383.8	29.81	361.7	40.50	408.2	51.95	1,521.1	123.13	1,546.0	122.53	1,941.8	237.93	475.0	39.48
1991	806.8	78.54	389.8	37.91	337.9	59.82	369.1	59.93	1,336.2	139.30	1,267.1	157.22	1,484.1	261.15	326.5	14.03
1992	779.3	104.74	327.9	68.56	301.4	85.38	344.1	86.52	1,021.6	174.43	1,015.4	172.58	965.2	292.29	395.3	-25.91
1993	607.1	154.02	243.4	99.00	141.0	103.05	355.9	174.10	738.9	215.34	955.4	702.6	702.6	361.32	327.1	28.90
1994	485.6	185.50	247.8	102.88	109.7	104.26	251.5	141.89	807.6	215.71	522.5	283.26	426.1	367.00	251.9	45.76
1995	325.6	184.72	184.8	120.51	78.0	66.30	215.9	122.72	544.1	209.44	489.3	183.37	320.5	349.66	199.7	66.34
1996:																
	69.1	182.40	23.6	174.55	7.8	94.51	30.4	152.25	55.6	128.98	93.6	148.87	48.2	340.21	22.6	125.59
3d qtr.	40.3	201.74	11.2	129.29	4.8	76.36	39.2	153.14	68.3	143.55	96.3	63.44	64.4	392.46	31.4	101.36
4th qtr.	151.8	188.64	45.9	135.07	13.7	48.94	106.8	128.50	208.3	137.17	149.9	123.85	109.0	359.51	24.3	129.76
	83.9	159.85	53.6	143.24	14.5	33.88	85.6	125.79	125.3	139.16	102.3	96.28	73.1	388.06	19.6	52.17
Total and average	340.1	181.92	134.4	144.78	45.7	53.12	262.0	134.06	457.5	137.68	442.1	109.61	294.7	370.63	97.9	104.14
1997:																
	53.4	187.60	23.0	234.75	10.6	106.37	30.7	216.20	68.5	64.23	87.4	156.02	41.5	369.93	4.2	-232.34
3d qtr.																
4th qtr.																
Total and average																

Note: Negative stumpage value caused by emergency rate redeterminations.

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

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

Table 101—Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1986-96'

(In million board feet, Scribner log rule)

Year	California	Montana	Idaho ^b		Oregon'	Washington'
			Northern	Southern		
1986	4,375.9	1,924.4	1,947.5	712.3	7,777.6	2,970.6
1987	4,111.6	1,297.1	1,390.7	^d 612.3	7,161.8	2,805.3
1988	3,415.4	980.8	1,272.0	^d 481.3	6,864.5	3,094.6
1989	2,987.2	813.4	1,263.3	475.8	5,289.5	1,783.3
1990	2,214.5	630.6	1,126.9	513.7	4,114.5	1,339.9
1991	1,784.9	638.0	1,078.0	468.3	3,942.2	1,403.4
1992	1,005.7	568.4	856.7	378.1	2,777.1	1,039.5
1993	911.5	471.8	711.6	397.2	2,048.8	775.2
1994	708.8	387.8	486.8	310.8	1,316.1	630.7
1995	664.5	292.7	349.1	274.4	810.0	497.1
1996	519.5	323.7	249.2	375.7	503.4	209.7

^a As of June 30 unless otherwise noted.

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

^c Before 1986, the volume figures included some buy-out and default volumes.

^d As of September 30.

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

Table 102—Sale quantity and unyarded volume under contract on Bureau of Land Management lands in Western Oregon, 1986-96

(In million board feet, Scribner scale)

Year	Sale quantity	Unyarded volume under contract	Ratio
1986	1,347	2,427	1.8
1987	1,143	2,386	2.1
1988	1,014	1,728	1.7
1989	745	1,189	1.6
1990	1,169	1,013	.9
1991	433	911	2.1
1992	48	682	14.2
1993	49	249	5.1
1994	14	138	9.9
1995	127	125	1.0
1996	190	239	1.3

Source: Bureau of Land Management.

Table 103—Allowable annual cut and uncut volume under contract on Oregon State lands, 1986-96"

(In million board feet, Scribner scale)

Year	Allowable cut	Uncut volume under contract	Ratio
1986	222	389	1.8
1987	197	367	1.9
1988	193	307	1.6
1989	193	286	1.5
1990	180	219	1.2
1991	150	296	2.0
1992	121	273	2.3
1993	121	185	1.5
1994	121	179	1.5
1995	177	171	1.0
1996	177	241	1.4'

^a As of December 31.

Source: State of Oregon, Department of Forestry.

Table 104—Sustainable harvest and uncut volume under contract on Washington State lands, 1986-96"

(In million board feet, Scribner scale)

Year	Sustainable harvest	Uncut volume under contract	Ratio
1986	778	1,013	1.3
1987	778	853	1.1
1988	778	796	1.0
1989	778	851	1.1
1990	857	831	1.0
1991	^b 840	856	1.0
1992	^b 840	749	.9
1993	^b 840	803	1.0
1994	^b 840	819	1.0
1995	b	1,056	NA
1996	b	1,088	NA

NA = not available.

^a As of June 30.

^b Figure does not reflect environmental constraints; permitted or "sustainable" harvest is unknown.

Source: State of Washington, Department of Natural Resources.

Table 105—Small business set-aside sales and total sales on the National Forests, Pacific Northwest Region, 1992-97

Quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
1992	1	16	9	25	6	19	5	11	10	44
1993	0	8	2	12	5	23	1	7	5	29
1994	2	27	2	16	1	26	0	6	9	28
1995	3	15	1	20	0	21	1	15	0	16
1996	1	21	2	23	0	51	7	27	6	38
1997:										
1st qtr.	2	4	0	2	0	0	0	0	0	0
2d qtr.										
3d qtr.										
4th qtr.										
1997 total										
	Mount Baker-Snoqualmie		Mount Hood		Ochoco		Okanogan		Olympic	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
1992	0	7	11	27	6	14	0	13	0	7
1993	0	6	8	36	1	5	0	14	4	5
1994	0	2	1	18	1	6	1	5	3	7
1995	0	4	3	15	0	13	3	9	2	8
1996	0	1	11	41	0	26	1	6	2	11
1997:										
1st qtr.	0	1	0	2	0	0	0	0	1	2
2d qtr.										
3d qtr.										
4th qtr.										
1997 total										
	Rogue River		Siskiyou		Siuslaw		Umatilla		Umpqua	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
1992	1	1	1	2	2	6	2	12	3	9
1993	12	13	0	11	2	12	4	5	3	17
1994	0	9	0	10	0	0	0	6	1	16
1995	6	0	0	11	0	2	1	23	3	31
1996	18	29	0	29	0	53	0	14	18	37
1997:										
1st qtr.	0	0	0	2	0	0	0	0	0	1
2d qtr.										
3d qtr.										
4th qtr.										
1997 total										
	Wallowa-Whitman		Wenatchee		Willamette		Winema		All forests	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
1992	15	34	1	10	11	33	0	15	84	305
1993	0	11	1	17	17	29	6	14	71	274
1994	0	4	0	12	13	26	0	8	42	233
1995	0	6	6	15	4	27	0	15	39	275
1996	0	31	1	24	23	63	6	26	96	551
1997:										
1st qtr.	0	4	0	1	0	1	0	2	3	22
2d qtr.										
3d qtr.										
4th qtr.										
1997 total										

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

Table 106—Volume and average value of timber sold on set-aside sales on the National Forests, Pacific Northwest Region, 1992-97

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

Quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1992	40	185.00	29,050	138.32	14,940	446.32	6,547	121.09	1,915	142.07
1993	0	--	1,075	705.35	23,340	535.30	325	381.87	749	414.16
1994	595	144.32	12,220	93.61	1,314	140.48	0	--	1,152	185.74
1995	623	191.98	47	367.19	0	--	8,540	227.81	0	0
1996	151	260.00	6,478	98.65	0	--	28,389	365.09	1,608	62.34
1997:										
1st qtr.	378	173.89	0	--	0	--	0	--	0	--
2d qtr.										
3d qtr.										
4th qtr.										
1997 total										
	Mount Baker-Snoqualmie		Mount Hood		Ochoco		Okanogan		Olympic	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1992	0	--	4,685	208.23	17,580	577.39	0	--	0	--
1993	0	--	5,767	343.25	150	335.00	0	--	7,500	295.61
1994	0	--	2,382	462.77	75	480.00	2,390	424.70	3,930	307.70
1995	0	--	7,656	305.04	0	--	4,554	290.94	3,542	326.45
1996	0	--	23,480	258.56	0	--	3,750	258.08	1,444	77.60
1997:										
1st qtr.	0	--	0	--	0	--	0	--	87	139.99
2d qtr.										
3d qtr.										
4th qtr.										
1997 total										
	Rogue River		Siskiyou		Siulaw		Umatilla		Umpqua	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1992	18	155.33	70	52.60	227	98.65	124	214.66	1,220	418.93
1993	8,030	480.78	0	--	1,820	285.06	8,011	366.78	247	637.62
1994	9,265	886.61	0	--	0	--	0	--	12	623.42
1995	11,648	462.06	0	--	0	--	137	58.60	172	394.05
1996	23,746	332.67	0	--	0	--	0	--	8,277	485.53
1997:										
1st qtr.	0	--	0	--	0	--	0	--	0	--
2d qtr.										
3d qtr.										
4th qtr.										
1997 total										
	Wallowa-Whitman		Wenatchee		Willamette		Winema		All forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1992	36,106	153.46	3,640	12.57	4,755	384.43	0	--	120,917	254.59
1993	0	--	700	170.13	6,500	503.88	20,740	452.20	84,954	449.51
1994	0	--	0	--	3,252	433.74	0	--	36,587	399.69
1995	0	--	45,473	25.25	254	530.26	0	--	82,648	165.04
1996	0	--	1,988	152.13	17,354	314.26	6,835	156.42	123,498	299.90
1997:										
1st qtr.	0	--	0	--	0	--	0	--	476	166.98
2d qtr.										
3d qtr.										
4th qtr.										
1997 total										

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

Warren, Debra D. 1997. Production, prices, employment, and trade in Northwest forest industries, first quarter 1997. Resour. Bull. PNW-RB-227. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 130 p.

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

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

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