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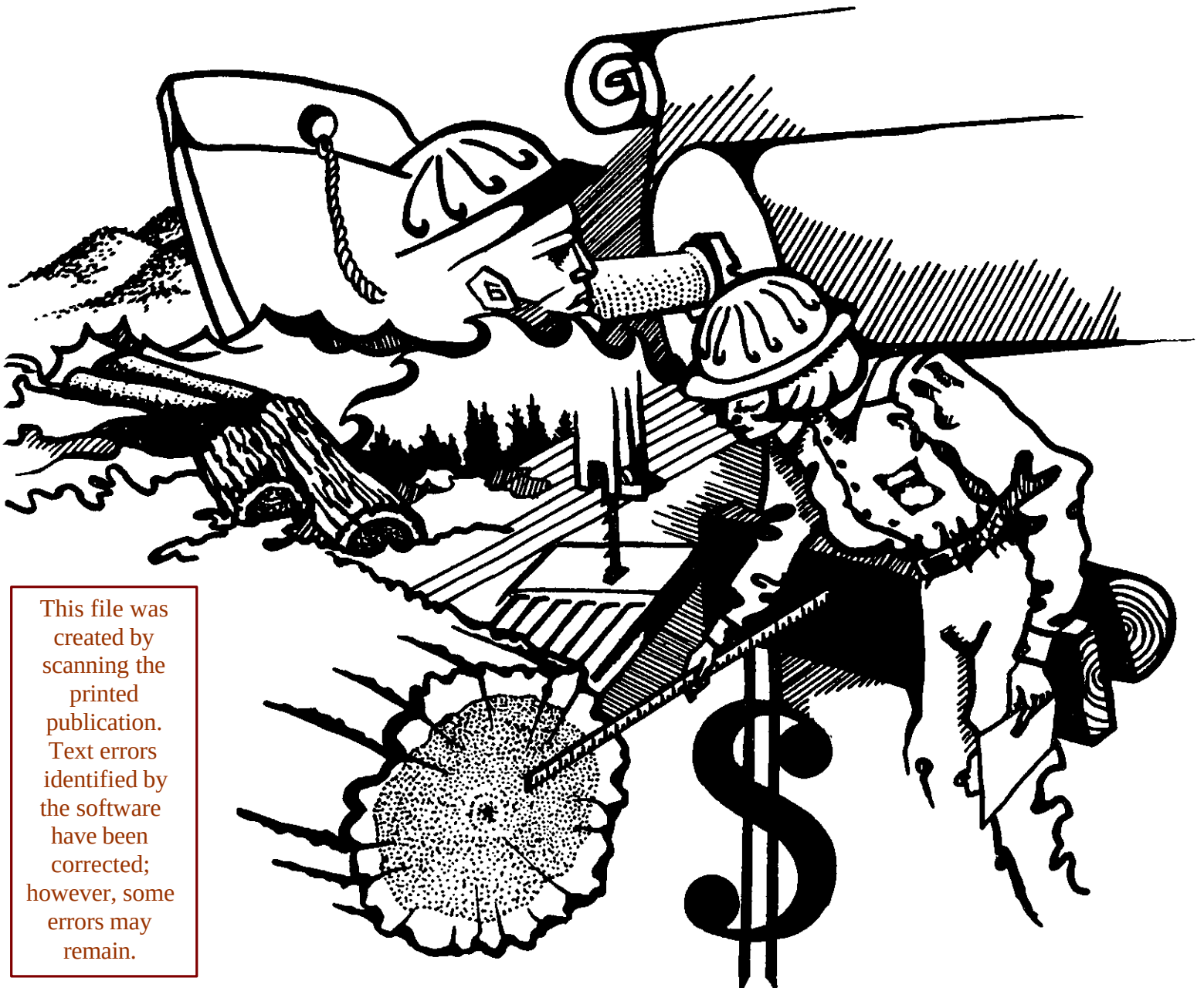
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Production, Prices, Employment, and Trade in Northwest Forest Industries, Fourth Quarter 1989

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ABSTRACT

Warren, Debra D. 1990. Production, prices, employment, and trade in Northwest forest industries, fourth quarter 1989. Resour. Bull. PNW-RB-174. Portland, OR: **U.S.** Department of Agriculture, Forest Service, Pacific Northwest Research Station. 88 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.

Historical data for the years before 1978 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries." Log price tables were last published in the second quarter of 1986; they will not be published again.

Cooperation in supplying data has been received from the following sources: the 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 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.

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Year	Softwood lumber production				U.S. softwood structural panel board production ^c
	Total softwood lumber	Western Washington and western Oregon ^a	California redwood region	Inland region ^b	
	----- Million board feet -----				Million ft ² , 3/8-inch basis
1978	20,780	8,845	1,902	10,033	19,936
1979	20,025	8,427	1,818	9,780	20,022
1980	16,017	6,815	1,589	7,613	16,573
1981	14,869	6,270	1,452	7,147	17,073
1982	13,724	5,743	1,300	6,681	17,150
1983	18,002	7,934	1,580	8,488	20,926
1984	18,985	8,329	1,664	8,992	22,446
1985	19,068	8,062	1,730	9,276	23,129
1986	21,915	9,412	2,021	10,482	25,911
1987	23,667	10,191	2,202	11,274	27,752
1988	22,454	9,324	2,234	10,896	27,567
1989:					
January	1,867	781	201	885	2,182
February	1,529	581	169	779	1,999
March	1,878	746	182	950	2,336
Total, 1st quarter	5,274	2,108	552	2,614	6,517
April	1,740	711	184	845	2,088
May	1,859	775	184	900	2,334
June	2,159	948	188	1,023	2,346
Total, 2d quarter	5,758	2,434	556	2,768	6,768
July	1,857	780	166	911	2,094
August	1,990	806	167	1,017	2,482
September	1,902	815	172	915	2,267
Total, 3d quarter	5,749	2,401	505	2,843	6,843
October	2,175	949	184	1,042	2,521
November	1,778	754	155	869	2,388
December	1,801	766	139	896	2,116
Total, 4th quarter	5,754	2,469	478	2,807	7,025
1989 total	22,535	9,412	2,091	11,032	27,153
From:	----- 4th quarter 1989 change, in percent -----				
3d quarter 1989	0.1	2.8	-5.4	-1.3	2.7
4th quarter 1988	1.7	4.8	-12.5	1.9	5.3
From:	----- Year 1989 change, in percent -----				
Year 1988	.4	.9	-6.4	1.3	-1.5

^a Includes small amounts of hardwood.

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

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

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

Table 2—Lumber production in Northwest States, 1978-88

(In million board feet)

Year	Washington	Oregon	California ^a	Montana	Idaho
1978	4,150	7,416	4,853	1,256	1,932
1979	3,841	7,312	4,639	1,257	1,893
1980	3,161	5,784	3,768	983	1,391
1981	3,243	5,115	3,224	1,032	1,319
1982	3,059	4,682	2,987	895	1,245
1983	3,821	6,579	3,574	1,316	1,657
1984	3,697	7,202	3,891	1,387	1,686
1985	3,419	7,211	4,168	1,445	1,676
1986	4,132	8,149	4,865	1,563	1,876
1987	4,645	8,846	5,408	1,640	2,016
1988	4,408	8,601	5,671	1,558	2,015

^a Includes 1 mill in Nevada.

Source: Western Wood Products Association, Portland, Oregon.

Table 3—Softwood lumber production in the inland region, by species, 1978-88^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
1978	10,033	3,970	245	213	2,370	1,724	374	498	639
1979	9,780	3,728	198	201	2,333	1,794	365	419	742
1980	7,613	3,023	166	184	1,644	1,334	262	402	598
1981	7,147	2,770	164	173	1,570	1,147	269	419	635
1982	6,681	2,649	113	141	1,509	1,029	313	376	551
1983	8,488	3,378	163	192	1,851	1,272	323	532	777
1984	8,992	3,537	132	215	1,905	1,524	431	618	630
1985	9,276	3,430	114	258	2,050	1,701	433	534	756
1986	10,482	3,759	115	258	2,330	2,055	547	747	671
1987	11,407	3,816	110	321	2,683	2,353	425	932	767
1988	11,395	3,870	104	321	2,731	2,392	653	720	604

^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. Before 1979, hemlock was included in 'Other softwoods'; since 1979, hemlock is included in 'Hem-fir.' The historical data are revised to reflect this change.

Source: Western Wood Products Association, Portland, Oregon.

Table 4—Lumber production in the coast region, by species, 1978-88^a

(In million board feet)

Year	All species	Douglas-fir	Hem-fir ^b	Western redcedar	Incense-cedar	Pine	Other softwoods	Hardwoods
1978	8,045	5,450	2,444	434	0	277	67	165
1979	8,427	5,228	2,320	346	52	254	48	179
1980	6,815	4,261	1,791	308	55	217	21	162
1981	6,270	3,817	1,660	347	60	198	30	158
1982	5,743	3,570	1,427	335	43	193	19	156
1983	7,934	5,088	1,877	445	55	270	20	179
1984	8,329	5,538	1,753	426	79	288	16	229
1985	8,062	5,449	1,555	432	69	316	12	229
1986	9,412	6,479	1,781	475	72	322	13	270
1987	10,354	7,064	1,988	538	84	357	27	296
1988	10,029	6,727	2,000	564	52	358	24	304

^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, 1979-89^a

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

Year	Total	Oregon	Washington	California	Montana, Idaho, and Colorado	Southeast States ^b	Northern States ^c
1979	19,653.0	7,929.0	1,727.0	463.0	1,205.0	8,329.0	0
1980	16,468.0	6,179.0	1,333.0	319.0	1,088.0	7,393.0	156.0
1981	17,022.9	5,561.6	1,381.7	351.1	1,129.7	8,306.8	292.0
1982	16,402.6	5,113.9	1,165.8	195.5	874.4	8,455.7	597.3
1983	20,767.0	6,719.0	1,369.0	260.0	1,152.0	9,967.0	1,300.0
1984	21,967.8	6,779.4	1,539.8	232.1	1,131.0	10,511.9	1,773.6
1985	22,838.2	6,750.3	1,645.2	160.8	1,293.2	11,033.8	1,955.0
1986	25,632.8	7,826.3	1,718.6	121.6	1,405.6	12,272.1	2,288.5
1987	27,001.4	8,381.2	1,712.2	102.9	1,528.5	12,854.9	2,421.7
1988	27,202.8	7,850.4	1,585.8	126.3	1,501.2	13,609.3	2,529.8
1989	26,490.3	6,774.9	1,462.2	94.2	1,550.7	13,740.0	2,868.3

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

^b Includes Alabama, Arkansas, Florida, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Texas, and 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, 1978-88

Year	Softwood lumber production			Softwood plywood production
	Total	Coast	Interior	
	----- Million board feet -----			Million ft ² , 3/8-inch basis
1978	12,545	4,803	7,742	2,510
1979	12,517	4,657	7,860	2,307
1980	11,979	4,252	7,727	2,230
1981	10,424	3,458	6,966	1,923
1982	9,944	3,002	6,942	1,616
1983	13,043	4,140	8,903	1,992
1984	13,078	3,903	9,175	1,754
1985	14,004	3,996	10,008	1,855
1986	13,335	3,753	9,582	1,733
1987	15,888	4,674	11,214	2,144
1988	15,572	4,583	10,989	2,067

Source: Dominion Bureau of Statistics, Ottawa, Canada.

Table 7—Wholesale prices of selected lumber products, 1978-89

(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
1978	241.00	263.00	459.00	238.00	209.00
1979	260.00	309.00	479.00	201.00	225.00
1980	209.00	296.00	478.00	201.00	168.00
1981	190.00	296.00	483.00	181.00	158.00
1982	167.00	253.00	357.00	160.00	141.00
1983	222.00	258.00	571.00	213.00	185.00
1984	202.01	285.94	495.50	189.70	153.35
1985	206.15	235.01	494.27	189.91	153.34
1986	214.94	257.48	581.02	207.63	182.26
1987	227.52	268.99	634.79	222.58	200.15
1988	232.19	279.49	630.00	214.68	185.75
1989:					
January	250.25	358.75	561.25	219.25	185.50
February	248.00	340.75	600.00	225.25	187.25
March	256.20	361.00	644.20	229.80	181.00
Average, 1st quarter	251.48	353.50	601.82	224.77	184.58'
April	264.00	363.75	660.00	239.25	175.75
May	266.75	343.75	657.50	249.75	179.25
June	272.80	315.00	620.00	260.40	183.00
Average, 2d quarter	267.85	340.83	645.83	249.80	179.33
July	292.75	315.00	575.00	268.00	188.00
August	285.00	303.75	546.25	244.00	184.50
September	270.60	303.20	542.00	238.40	188.00
Average, 3d quarter	282.78	307.32	554.42	250.13	186.83
October	263.75	326.25	518.75	235.25	188.00
November	245.00	348.75	505.00	219.50	182.00
December	247.00	326.00	505.00	216.00	182.00
Average, 4th quarter	251.92	333.67	509.58	223.58	184.07
1989 average	263.51	333.83	577.91	237.07	183.70
----- 4th quarter 1989 change, in percent -----					
From:					
3d quarter 1989	-10.9	8.6	-8.1	-10.6	-1.5
4th quarter 1988	9.3	13.7	-12.1	7.2	4.8
----- Year 1989 change, in percent -----					
From:					
Year 1988	13.5	19.4	-8.3	10.4	-1.1

Source: Random Lengths Publications, Inc.

Table 8—Wholesale prices of selected softwood plywood products, 1978-89

(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
1978	169.00	174.00	214.00
1979	164.00	156.00	221.00
1980	155.00	155.00	211.00
1981	148.00	140.00	203.00
1982	135.00	139.00	185.00
1983	154.00	158.00	179.00
1984	151.76	150.24	170.93
1985	150.08	146.77	175.52
1986	157.22	151.31	176.06
1987	151.17	150.98	184.88
1988	151.58	140.09	190.65
1989:			
January	152.75	143.50	227.00
February	150.00	138.50	237.75
March	146.60	137.60	246.60
Average, 1st quarter	149.78	139.87	237.12
April	155.25	135.00	245.75
May	158.25	144.00	240.75
June	167.40	154.60	233.20
Average, 2d quarter	160.30	144.70	239.90
July	195.25	181.75	233.00
August	190.25	170.25	220.50
September	197.60	184.60	235.00
Average, 3d quarter	194.37	178.87	229.50
October	217.75	211.50	251.50
November	206.00	197.75	242.75
December	179.20	163.20	233.80
Average, 4th quarter	200.98	190.82	242.68
1989 average	176.36	163.56	237.30
. 4th quarter 1989 change, in percent			
From:			
3d quarter 1989	3.4	6.7	5.7
4th quarter 1988	30.0	35.4	20.3
. Year 1989 change, in percent			
From:			
Year 1988	16.4	16.8	24.5

^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, 1978-89^a

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

Year	C selects		D selects and shop		Structural items		Utili		Light framing		Heavy framing		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1978	5.2	592.86	4.3	406.35	11.1	324.74	16.3	170.03	38.6	235.28	19.6	284.49	4.9	85.69	2,030,353
1979	5.4	891.29	4.7	480.10	12.1	409.96	16.8	179.20	37.5	245.72	18.1	334.22	5.4	85.89	1,702,828
1980	5.8	929.30	4.5	505.72	11.5	365.27	16.8	150.12	35.2	207.37	21.3	270.80	4.9	85.46	1,515,924
1981	4.5	746.77	4.1	426.09	12.9	328.91	14.8	136.73	37.7	192.99	22.0	262.91	4.0	83.25	1,662,233
1982	4.5	647.96	4.3	375.11	12.3	283.02	14.6	126.45	38.1	159.43	22.3	198.34	3.9	77.91	1,551,419
1983	3.3	684.91	3.5	425.96	12.4	261.85	10.6	161.77	42.4	200.75	23.8	222.39	3.9	87.33	2,752,061
1984	2.6	688.00	3.4	407.27	15.3	249.18	9.4	136.60	42.8	189.29	22.5	222.89	4.0	71.69	3,168,494
1985	2.4	671.46	3.2	409.79	16.4	248.70	8.5	130.79	41.8	190.04	23.9	226.08	3.8	67.63	2,927,403
1986	2.1	726.38	2.3	404.98	15.6	239.98	8.6	131.92	43.7	190.79	24.0	228.56	3.6	66.59	3,584,260
1987	2.0	836.60	2.8	411.49	14.5	256.85	8.2	138.33	45.4	206.31	23.3	258.13	3.8	66.17	3,975,895
1988	1.8	927.01	2.1	473.56	16.7	296.72	7.1	137.82	46.2	218.53	21.8	285.10	4.3	85.20	3,691,263
1989:															
1st quarter	1.2	947.75	1.7	501.29	16.1	294.33	7.7	146.21	48.9	231.91	20.2	293.16	4.1	94.90	868,022
2d quarter	1.0	1,054.11	1.6	512.58	16.2	326.03	6.5	187.31	46.6	257.32	24.1	358.14	4.0	124.28	926,566
3d quarter	1.0	1,083.82	1.5	505.50	16.0	356.62	7.2	183.88	46.1	261.58	23.9	344.51	4.3	120.68	927,155
4th quarter	.9	1,268.99	1.4	490.75	15.4	321.22	6.7	156.76	48.0	233.38	23.2	316.30	4.5	101.15	938,019
1989 average	1.0	1,077.81	1.6	502.83	15.9	324.98	7.0	168.20	47.4	245.93	22.9	330.05	4.2	110.33	3,659,762

^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 10—Percentage of total volume and f.o.b. mill prices for ponderosa pine lumber, inland mills, 1978-89^a

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

Year	C and btr.		D and molding		Shop		No. 2 and btr. common		No. 3 common and framing		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1978	1.4	998.72	7.1	836.36	32.7	399.95	7.3	356.42	34.9	230.21	16.6	166.97	2,271,539
1979	1.3	1,367.68	7.4	885.62	32.4	399.08	8.3	400.78	34.5	259.12	16.2	162.55	1,849,683
1980	1.4	1,175.96	8.5	716.70	34.3	399.46	9.4	349.00	31.0	235.24	15.4	146.63	1,614,864
1981	1.5	1,103.15	7.6	733.41	35.3	434.64	11.8	319.04	29.9	241.04	13.8	151.19	1,474,420
1982	1.6	1,086.03	7.2	832.35	36.0	314.69	11.7	308.70	32.0	202.36	11.6	120.16	1,488,103
1983	1.5	1,180.07	7.1	953.69	39.8	489.75	11.3	339.04	29.9	222.75	10.3	148.12	1,876,743
1984	1.5	1,320.98	6.6	854.78	40.1	440.64	10.9	364.86	29.9	232.83	11.0	131.96	1,970,046
1985	1.4	1,441.75	6.5	941.28	41.3	440.25	10.8	368.01	29.7	208.35	10.4	130.54	2,018,896
1986	1.4	1,476.10	6.2	1,009.51	41.7	494.51	10.9	370.47	29.8	226.37	10.0	142.96	2,164,591
1987	1.4	1,524.29	7.1	1,220.54	38.1	515.28	10.6	402.36	32.6	244.56	10.2	151.89	2,178,204
1988	1.2	1,836.63	6.7	1,193.32	41.4	520.46	9.9	421.62	30.9	244.95	10.0	153.16	2,252,696
1989:													
1st quarter	1.1	1,883.96	6.3	1,266.53	43.5	515.92	10.1	423.49	29.7	262.93	9.2	159.00	582,885
2d quarter	.9	1,863.65	6.4	1,265.28	43.7	576.98	11.3	399.98	29.9	271.70	7.8	173.81	581,223
3d quarter	1.0	1,660.89	6.6	1,091.55	41.9	496.86	10.7	400.18	30.9	254.83	8.8	175.12	541,500
4th quarter	.9	1,529.21	6.1	1,067.30	43.7	459.08	9.7	420.18	29.7	256.02	9.9	172.35	498,700
1989 average	1.0	1,752.54	6.4	1,178.20	43.2	514.65	10.5	410.28	30.1	261.64	8.9	169.72	2,204,308

^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 II—Percentage of total volume and f.o.b. mill prices for hem-fir lumber, inland mills, 1978-89^a

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

Year	Molding		Shop		Structural		Light framing		Heavy framing		Utility		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1978	2.5	558.87	d.2	309.41	1.3	262.15	47.5	220.61	16.3	251.25	i7.i	i57.69	7.i	u5.33	1,066,062
1979	2.2	653.70	6.8	341.24	.8	280.99	43.6	238.21	19.3	295.19	18.5	155.94	8.8	85.18	1,141,817
1980	2.6	593.99	8.9	292.88	.6	226.57	41.0	196.30	20.1	221.28	18.7	131.27	8.1	81.81	872,830
1981	2.4	602.00	8.9	318.48	.7	216.68	43.2	185.09	20.0	232.79	17.4	128.50	7.3	89.09	774,018
1982	1.8	583.87	6.4	244.76	.5	185.21	49.2	163.08	20.6	188.73	15.1	115.77	6.3	77.07	659,593
1983	1.9	654.74	7.0	345.73	.7	246.14	50.3	203.68	20.9	227.62	14.0	154.80	5.2	89.88	812,622
1984	2.2	555.30	6.4	269.39	.9	224.69	49.5	185.38	22.0	209.73	13.1	128.58	5.9	76.40	1,065,130
1985	1.7	510.70	5.7	323.09	.9	225.09	50.2	188.32	24.5	220.91	11.5	128.03	5.5	75.80	1,101,286
1986	1.9	604.75	4.8	308.25	.8	239.95	48.5	198.41	28.1	242.36	10.3	131.70	5.6	71.62	1,382,074
1987	1.7	705.55	4.9	354.34	.6	261.03	47.8	213.62	29.3	280.48	10.0	131.69	5.6	74.56	1,562,432
1988	1.7	712.25	4.8	349.74	1.6	269.59	47.3	214.52	29.7	273.85	9.6	133.83	5.3	84.95	1,613,020
1989:															
1st quarter	1.9	745.59	6.0	382.04	1.6	258.03	48.1	218.48	27.2	277.21	9.8	141.75	5.3	92.02	383,320
2d quarter	2.3	748.80	5.8	483.72	2.1	272.05	45.5	234.41	30.4	291.05	9.0	164.54	4.9	116.16	411,457
3d quarter	1.7	730.55	6.0	333.24	1.7	286.07	45.9	241.94	30.5	291.35	9.7	161.28	4.5	112.30	445,153
4th quarter	1.7	746.68	4.7	378.48	1.9	288.30	45.1	226.41	32.8	259.53	8.8	147.63	5.0	91.40	470,684
1989 average	1.9	743.19	5.6	392.71	1.9	277.36	46.1	230.48	30.4	279.00	9.3	153.86	4.9	102.43	1,710,614

^a Figures are a volumeweighted 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 12—Percentage of total volume and f.o.b. mill prices for hem-fir lumber, coast mills, 1978-89^a

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

Year	C selects		D selects and shop		Structural items		Utility		Light framing		Heavy framing		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1978	1.5	587.38	5.2	345.35	7.3	258.57	14.6	163.63	55.3	222.05	7.8	255.96	8.3	85.29	970,882
1979	1.5	676.35	5.1	400.43	7.7	289.89	13.8	159.61	58.3	233.98	5.3	302.34	8.3	77.90	835,574
1980	1.4	718.47	5.4	404.63	7.5	257.10	14.4	131.65	60.5	194.50	4.9	244.92	5.9	77.52	597,383
1981	1.2	661.05	5.4	361.55	6.2	228.81	14.6	131.25	58.0	183.16	7.8	244.37	6.8	78.95	582,672
1982	.4	712.09	4.9	319.28	6.0	201.77	17.1	122.68	59.1	158.15	7.2	208.85	5.3	70.27	577,243
1983	.4	737.35	4.0	385.69	5.6	244.52	13.8	156.00	61.6	204.83	8.8	240.19	5.8	96.87	857,819
1984	.4	683.23	4.2	348.47	5.3	226.70	10.0	128.40	60.8	187.06	12.9	228.20	6.3	78.74	959,799
1985	.4	638.24	4.0	336.70	3.3	226.15	8.4	123.02	63.0	189.12	15.0	232.11	6.0	79.00	830,607
1986	.4	605.50	2.5	343.38	3.1	241.59	8.4	128.57	64.0	197.16	16.2	248.01	5.4	75.16	1,000,702
1987	.3	601.28	2.3	413.60	2.9	272.50	9.3	130.74	64.9	214.65	14.8	285.71	5.3	75.89	1,011,504
1988	.3	633.08	2.2	460.53	3.2	273.26	8.2	137.35	66.4	220.54	14.2	289.43	5.5	89.25	946,868
1989:															
1st quarter	.4	661.21	3.0	468.19	2.7	276.27	8.0	139.80	62.2	227.45	17.5	290.64	6.3	97.38	225,085
2d quarter	.3	724.68	1.7	468.22	5.9	273.39	7.1	164.78	64.3	244.53	15.0	312.52	5.7	112.03	231,312
3d quarter	.2	770.29	1.6	461.87	3.8	284.69	7.3	168.36	65.4	240.12	16.1	313.21	5.5	115.78	226,727
4th quarter	.2	745.14	1.7	463.86	4.2	265.07	7.1	148.60	62.3	221.99	18.9	278.29	5.6	95.60	220,199
1989 average	.3	717.73	2.0	466.03	4.2	274.43	7.4	155.14	63.6	233.84	16.9	297.66	5.8	105.04	903,323

^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 13—Washington and Oregon timber harvest by ownership, 1979-89(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:							
1979	4,068	1,095	1,276	a	432	98	6,969
1980	3,507	745	1,089	0	336	43	5,720
1981	3,266	468	875	1	260	20	4,890
1982	3,740	440	728	1	152	18	5,079
1983	4,025	549	1,240	8	238	28	6,088
1984	3,545	795	1,189	2	205	66	5,802
1985	3,561	1,013	1,128	5	213	43	5,963
1986	3,989	1,064	1,232	4	235	32	6,556
1987	4,367	970	1,423	5	238	35	7,037
1988	4,406	826	1,486	0	271	56	7,045
1989 b	4,520	842	1,141	1	262	22	6,788
Oregon:							
1979	3,209	223	3,167	956	111	29	7,694
1980	3,134	186	2,399	797	105	19	6,639
1981	2,702	216	1,981	677	95	24	5,695
1982	3,440	175	1,688	312	126	17	5,758
1983	3,374	257	2,902	789	112	31	7,464
1984	3,078	249	3,164	920	101	38	7,550
1985	3,332	268	3,480	891	121	34	8,127
1986	3,494	225	3,850	1,042	104	28	8,743
1987	3,281	199	3,451	1,115	117	52	8,215
1988	3,259	270	3,487	1,439	121	39	8,615
1989 b	3,486	NA	3,310	1,083	NA	NA	8,265

NA = not available.

^a Less than 500,000 board feet.^b Preliminary.

Source: Prepared by the Pacific Northwest Research Station in cooperation with the Washington Department of Natural Resources and the Oregon Department of Forestry.

Table 14--Montana and Idaho timber harvest by ownership, 1978-88

(In million board feet, Scribner scale)

State and year	Private	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest	Total
Montana:						
1978	626.7	27.5	53.6	5.1	458.6	1,171.5
1979	567.5	28.3	42.6	5.4	451.7	1,095.5
1980	466.6	26.0	38.0	5.6	408.6	944.8
1981	434.0	28.9	38.0	9.1	432.5	942.5
1982	492.4	29.5	29.8	10.6	274.5	836.8
1983	568.7	27.1	37.9	14.8	569.2	1,217.7
1984	555.6	24.9	45.0	5.3	479.3	1,110.0
1985	560.1	26.0	18.8	7.9	551.4	1,164.2
1986	708.0	26.2	13.1	9.1	515.4	1,271.8
1987	687.4	55.6	24.0	6.6	638.3	1,411.9
1988	608.5	41.5	56.0	7.7	513.3	1,227.0
Idaho:						
1978	767.6	218.7	11.4	17.5	841.6	1,856.8
1979	786.0	162.7	8.9	15.7	833.5	1,806.9
1980	857.6	140.8	4.5	15.9	606.0	1,624.8
1981	727.7	149.5	8.6	18.9	564.0	1,468.7
1982	642.2	82.3	10.9	17.7	450.2	1,203.3
1983	727.0	155.0	19.2	21.8	791.1	1,714.1
1984	860.8	197.5	17.5	13.3	687.8	1,776.8
1985	646.2	170.4	14.1	24.4	733.6	1,588.7
1986	684.0	161.8	12.2	22.8	809.9	1,690.7
1987	722.2	176.7	18.9	18.9	788.4	1,725.0
1988	697.5	208.4	16.2	13.6	725.2	1,660.9

Source: Respective agencies.

**Table 15--British Columbia timber harvest,
1979-89**

(In thousand cubic meters)

Year	Coast ^a	Interior ^b	Total
1979	30 568	45 627	76 195
1980	30 174	44 090	74 804
1981	31 243	41 341	72 584
1982	21 352	34 879	56 231
1983	26 846	44 597	71 443
1984	27 229	47 328	74 557
1985	27 722	49 146	76 868
1986	26 561	50 942	77 503
1987	33 791	56 800	90 591
1988	32 812	53 994	86 806
1989	29 940	57 474	87 414

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

^b Comprises Cariboo, Kamloops, Nelson, and Prince George Forest Districts and one-half of Prince Rupert Forest District.

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

Table 16--Alaska timber harvest by ownership, 1978-88

(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	
1978	30,301	0	4,040	1,862	149	2,011	398,701	9,873	408,574	444,926
1979	32,382	0	2,629	656	159	815	453,200	6,300	459,500	495,326
1980	47,547	70,300	17,000	484	50	534	452,121	1,565	453,686	589,067
1981	53,687	122,000	702	330	32	362	385,690	1,814	387,504	564,255
1982	35,198	209,200	2,895	340	79	419	344,857	679	345,536	593,248
1983	35,511	232,000	5,900	346	30	376	251,177	751	251,927	525,714
1984	28,044	202,000	0	0	0	0	260,977	545	261,522	491,566
1985	12,864	263,300	871	205	66	271	265,300	354	265,654	542,960
1986	18,995	298,700	0	0	252	252	271,579	563	272,142	590,089
1987	25,800	335,000	0	185	0	185	339,200	13,031	352,231	713,216
1988	25,177	530,000	0	112	0	112	407,762	1,185	408,947	964,236

Source: Respective agencies.

Table 17--California timber harvest by ownership, 1978-88

(In million board feet, Scribner scale)

Year	Private ^a	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest ^a	Total
1978	2,783	28	47	8	1,798	4,664
1979	2,265	26	48	18	1,727	4,084
1980	1,863	20	42	8	1,508	3,441
1981	1,722	15	22	7	1,093	2,859
1982	1,501	42	8	9	937	2,497
1983	1,890	43	14	25	1,676	3,648
1984	2,093	34	21	7	1,559	3,714
1985	2,172	36	5	17	1,826	4,056
1986	2,313	29	27	27	1,963	4,359
1987	2,582	42	41	15	1,969	4,649
1988	2,598	31	14	16	2,181	4,840

^a Includes sawtimber, poles, posts, fuelwood, cull logs, and other miscellaneous convertible products.

Source: Respective agencies.

Table 18--Employment in forest products industries in Washington and Oregon, 1978-89

(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
1978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8
1979	159.4	133.8	25.6	68.4	52.6	15.8	91.0	81.2	9.8
1980	144.0	116.0	28.0	64.1	46.5	17.6	79.9	69.5	10.4
1981	135.7	108.2	27.5	61.6	44.4	17.2	74.1	63.8	10.3
1982	120.4	94.6	25.8	55.2	39.0	16.2	65.2	55.6	9.6
1983	128.7	103.7	25.0	56.8	41.1	15.7	71.9	62.6	9.3
1984	132.9	107.7	25.2	57.2	41.0	16.2	75.7	66.7	9.0
1985	126.1	100.9	25.2	53.4	37.3	16.0	72.7	63.6	9.1
1986	126.0	100.6	25.4	53.1	36.7	16.4	72.9	63.9	9.0
1987	131.9	105.8	26.2	56.5	39.2	17.3	75.4	66.5	8.9
1988	134.0	108.4	25.6	57.2	40.5	16.7	76.8	67.9	8.9
1989:									
January	133.2	107.8	25.4	57.6	40.6	17.0	75.6	67.2	8.4
February	130.1	104.3	25.8	57.7	40.8	16.9	72.4	63.5	8.9
March	131.1	105.3	25.8	58.2	41.4	16.8	72.9	63.9	9.0
Average, 1st quarter	131.5	105.8	25.7	57.8	40.9	16.9	73.6	64.9	8.8
April	132.2	106.3	25.9	59.1	42.2	16.9	73.1	64.1	9.0
May	133.5	107.5	26.0	59.9	42.8	17.1	73.6	64.7	8.9
June	140.1	113.1	27.0	61.2	43.5	17.7	78.9	69.6	9.3
Average, 2d quarter	135.3	109.0	26.3	60.1	42.8	17.2	75.2	66.1	9.1
July	141.1	113.8	27.3	61.4	43.5	17.9	79.7	70.3	9.4
August	140.3	113.2	27.1	61.3	43.6	17.7	79.0	69.6	9.4
September	138.8	112.0	26.8	60.7	43.1	17.6	78.1	68.9	9.2
Average, 3d quarter	140.1	113.0	27.1	61.1	43.4	17.7	78.9	69.6	9.3
October	137.0	110.7	26.3	59.8	42.6	17.2	77.2	68.1	9.1
November	135.9	109.6	26.3	59.3	42.1	17.2	76.6	67.5	9.1
December	135.2	107.4	27.8	59.4	40.7	18.7	75.8	66.7	9.1
Average, 4th quarter	136.0	109.2	26.8	59.5	41.8	17.7	76.5	67.4	9.1
1989 average	135.7	109.3	26.5	59.6	42.2	17.4	76.1	67.0	9.1
----- 4th quarter 1989 change in employment -----									
From:									
3d qtr. 1989	-4.1	-3.8	-3	-1.6	-1.6	0.0	-2.4	-2.2	-2
4th qtr. 1988	.5	-1.0	1.5	1.4	.4	1.0	-.9	-1.4	.6
----- Year 1989 change -----									
From:									
Year 1988	1.7	.9	.9	2.4	1.7	.7	-.7	-.9	.2

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

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

Table 19—Employment in forest products industries in California and Alaska, 1978-89

(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
1978	107.1	69.9	37.2	2.9	1.8	1.1
1979	107.8	68.7	39.1	3.0	2.0	1.0
1980	101.3	62.6	38.7	3.4	2.3	1.1
1981	96.6	57.9	38.7	2.8	1.9	.9
1982	83.7	46.2	37.5	2.6	1.8	.8
1983	87.5	50.2	37.3	2.7	1.9	.8
1984	94.5	55.4	39.1	2.2	1.6	.6
1985	95.7	55.9	39.8	2.3	1.7	.6
1986	99.0	59.5	39.6	2.7	1.9	.8
1987	107.5	66.2	41.3	3.1	2.2	.9
1988	109.5	69.0	40.6	3.6	2.7	1.0
1989:						
January	108.8	65.9	42.9	2.4	1.5	.9
February	108.9	65.8	43.1	2.7	1.8	.9
March	110.4	66.9	43.4	3.4	2.4	.9
Average, 1st quarter	109.4	66.2	43.1	2.8	1.9	.9
April	108.7	67.9	40.7	3.7	2.7	1.0
May	111.0	70.5	40.5	4.2	3.2	1.0
June	113.5	72.8	40.8	4.6	3.5	1.1
Average, 2d quarter	111.1	70.4	40.7	4.2	3.1	1.0
July	115.4	73.8	41.6	4.7	3.5	1.1
August	116.3	74.4	41.9	4.7	3.6	1.1
September	116.2	74.5	41.7	4.6	3.6	1.0
Average, 3d quarter	115.9	74.2	41.7	4.7	3.6	1.1
October	114.7	73.3	41.4	4.4	3.5	.9
November	113.6	72.3	41.3	4.1	3.2	.9
December	111.9	70.7	41.2	3.3	2.4	.9
Average, 4th quarter	113.4	72.1	41.3	3.9	3.0	.9
1989 average	112.5	70.7	41.7	3.9	2.9	1.0
. 4th quarter 1989 change in employment						
From:						
3d quarter 1989	-2.5	-2.1	-.4	-.8	-.6	-.2
4th quarter 1988	1.3	.6	.7	.1	.1	0.0
. Year 1989 change in employment						
From year 1988	3.0	1.7	1.1	.3	.2	0.0

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

Table 20—Employment in forest products industries in Montana and Idaho, 1978-89

(In thousands of persons)

Year	Montana		Idaho		
	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1978	10.7	a	20.1	18.8	1.3
1979	11.1	a	19.9	18.5	1.4
1980	8.7	a	17.5	16.1	1.4
1981	8.8	a	16.6	15.1	1.5
1982	6.8	a	13.6	12.1	1.5
1983	8.0	a	15.7	14.0	1.7
1984	8.3	a	15.6	13.9	1.7
1985	8.4	a	15.4	13.6	1.8
1986	8.1	a	15.0	13.1	1.8
1987	8.4	a	15.1	13.3	1.8
1988	7.9	a	15.7	13.8	1.9
1989:					
January	8.3	a	15.6	13.7	1.9
February	8.2	a	15.1	13.2	1.9
March	8.0	a	14.1	12.2	1.9
Average, 1st quarter	8.2	a	14.9	13.0	1.9
April	7.7	a	13.9	12.0	1.9
May	8.0	a	14.9	13.0	1.9
June	8.3	a	16.6	14.6	2.0
Average, 2d quarter	8.0	a	15.1	13.2	1.9
July	8.6	a	17.5	15.5	2.0
August	8.7	a	17.6	15.6	2.0
September	8.6	a	17.5	15.5	2.0
Average, 3d quarter	8.6	a	17.5	15.5	2.0
October	8.5	a	17.3	15.3	2.0
November	8.4	a	17.3	15.3	2.0
December	8.5	a	17.7	15.6	2.1
Average, 4th quarter	8.5	a	17.4	15.4	2.0
1989 average	8.3	a	16.2	14.3	2.0
----- 4th quarter 1989 change in employment -----					
From:					
3d quarter 1989	-.1	a	-.1	-.1	0.0
4th quarter 1988	.4	a	.9	.8	.1
----- Year 1989 change -----					
From:					
Year 1988	.1	a	.5	.5	.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 21—Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89

(In thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO ALL COUNTRIES											
1978	2,847,394	1,139,267	24,493	1,683,634	1,915,979	619,500	1,296,479	931,415	519,767	24,493	387,155
1979	3,233,652	1,309,179	22,693	1,901,780	2,249,963	732,392	1,517,571	983,689	576,787	22,693	384,209
1980	2,631,817	1,262,210	12,300	1,357,307	1,699,138	645,073	1,054,065	932,679	617,137	12,300	303,242
1981	1,987,159	1,017,154	15,520	954,485	1,315,882	579,034	736,848	671,277	438,120	15,520	217,637
1982	2,567,644	1,427,835	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983	2,591,519	1,417,718	8,932	1,164,869	1,739,776	796,299	943,477	851,743	621,419	8,932	221,392
1984	2,722,243	1,568,803	11,124	1,142,316	1,789,184	847,295	941,889	933,059	721,508	11,124	200,427
1985	3,004,125	1,749,683	12,367	1,242,075	1,878,870	844,281	1,034,589	1,125,255	905,402	12,367	207,486
1986	2,780,108	1,610,708	12,164	1,157,236	1,738,612	765,664	972,948	1,041,496	845,044	12,164	184,288
1987	3,167,558	1,844,537	12,082	1,310,939	2,063,465	983,288	1,080,177	1,104,093	861,249	12,082	230,762
1988:											
1st qtr.	901,658	540,842	2,909	357,907	587,660	302,932	204,728	313,998	237,910	2,909	73,179
2d qtr.	1,129,780	746,946	4,493	378,341	688,848	388,780	300,068	440,932	358,166	4,493	78,273
3d qtr.	900,850	540,499	3,946	356,405	561,520	290,646	270,874	339,330	249,853	3,946	85,531
4th qtr.	749,873	450,787	7,439	291,647	456,753	234,476	222,277	293,120	216,311	7,439	69,370
1988 total	3,682,167	2,279,074	18,787	1,384,300	2,294,781	1,216,834	1,077,947	1,387,380	1,062,240	18,787	306,353
1989:											
1st qtr.	864,016	497,239	2,353	364,424	587,028	305,371	281,657	276,988	191,868	2,353	82,767
2d qtr.	1,152,104	640,168	3,360	508,576	729,013	335,771	393,242	423,091	304,397	3,360	115,334
3d qtr.	891,835	488,694	4,593	398,548	595,718	294,299	301,419	296,117	194,395	4,593	97,129
4th qtr.	706,138	408,027	1,810	296,301	445,091	222,676	222,415	261,047	185,351	7,810	73,886
1989 total	3,614,093	2,034,128	12,116	1,567,849	2,356,850	1,158,117	1,198,732	1,257,243	876,011	12,116	369,116
TO JAPAN											
1978	2,521,885	1,103,562	22,814	1,395,509	1,630,247	589,654	1,040,593	891,638	513,908	22,814	354,916
1979	2,959,726	1,279,177	20,611	1,659,938	1,998,315	705,921	1,292,394	961,411	573,256	20,611	367,544
1980	2,344,322	1,175,407	12,300	1,156,615	1,488,494	602,605	885,889	855,828	572,802	12,300	270,726
1981	1,603,941	846,474	15,495	741,972	1,003,391	452,724	550,667	600,550	393,750	15,495	191,305
1982	1,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983	1,591,286	895,716	8,932	686,638	933,684	430,437	503,247	657,602	465,279	8,932	183,391
1984	1,519,369	911,973	10,819	596,577	889,122	427,194	461,928	630,247	484,779	10,819	134,649
1985	1,617,061	1,014,806	11,946	590,309	916,423	454,643	461,780	700,638	560,163	11,946	128,529
1986	1,768,711	1,216,197	12,148	540,366	944,969	524,151	420,818	823,742	692,046	12,148	119,548
1987	2,048,820	1,374,413	11,025	663,382	1,138,461	635,917	502,544	910,359	738,496	11,025	160,838
1988:											
1st qtr.	468,634	309,688	2,663	156,283	275,658	162,248	113,410	298,636	147,440	2,663	42,873
2d qtr.	587,320	432,659	4,364	150,297	308,690	195,444	113,246	237,215	237,215	4,364	37,051
3d qtr.	477,449	324,774	2,891	149,784	265,764	156,714	109,050	211,685	168,060	2,891	40,734
4th qtr.	487,924	330,902	7,160	149,862	259,257	154,580	104,677	228,667	176,322	7,160	45,185
1988 total	2,021,327	1,398,023	17,078	606,226	1,109,369	668,986	440,383	911,958	729,037	17,078	165,843
1989:											
1st qtr.	580,233	371,527	2,040	206,666	361,958	208,433	153,525	218,275	163,094	2,040	53,141
2d qtr.	769,788	534,450	3,069	232,269	456,207	273,600	182,607	313,581	260,850	3,069	49,662
3d qtr.	621,511	406,440	4,463	210,608	397,655	228,256	169,399	223,856	178,184	4,463	41,209
4th qtr.	452,287	294,258	1,581	156,448	256,035	140,025	116,010	196,252	154,233	1,581	40,438
1989 total	2,423,819	1,606,674	11,153	805,992	1,471,855	850,314	621,541	951,964	756,360	11,153	184,451

Table 21—Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89 (continued)

(In thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO CANADA											
1978	12,638	9,361	0	3,277	12,638	9,361	3,277	0	0	0	0
1979	24,124	7,737	0	16,387	24,124	7,737	16,387	0	0	0	0
1980	985	395	0	590	985	395	590	0	0	0	0
1981	1,332	392	0	940	1,332	392	940	0	0	0	0
1982	4,757	635	0	4,122	4,757	635	4,122	0	0	0	0
1983	5,216	397	0	4,819	5,216	397	4,819	0	0	0	0
1984	10,461	2,406	0	8,055	10,461	2,406	8,055	0	0	0	0
1985	32,802	36	0	32,766	32,802	36	32,766	0	0	0	0
1986	58,787	2,311	0	56,476	53,620	2,311	51,309	5,167	0	0	5,167
1987	43,540	5,406	0	38,134	41,395	5,406	35,989	2,145	0	0	2,145
1988:											
1st qtr.	5,008	64	0	4,944	5,008	64	4,944	0	0	0	0
2d qtr.	4,517	139	0	4,378	4,517	139	4,378	0	0	0	0
3d qtr.	5,647	263	0	5,384	5,647	263	5,384	0	0	0	0
4th qtr.	5,621	340	0	5,351	5,691	340	5,351	0	0	0	0
1988 total	20,863	806	0	20,057	20,863	806	20,057	0	0	0	0
1989:											
1st qtr.	R7,483	2,458	0	R5,026	R7,483	2,458	R5,026	0	0	0	0
2d qtr.	5,726	3,083	0	2,643	5,726	3,083	2,643	0	0	0	0
3d qtr.	R4,888	2,322	0	R2,566	R4,888	2,322	R2,566	0	0	0	0
4th qtr.	12,210	5,073	0	7,137	12,210	5,073	7,137	0	0	0	0
1989 total	30,307	12,936	0	17,372	30,307	12,936	17,372	0	0	0	0
TO SOUTH KOREA											
1978	307,865	24,844	0	283,021	271,887	20,426	251,461	35,978	4,418	0	31,560
1979	245,314	20,342	0	224,972	227,072	18,653	208,419	18,242	1,689	0	16,553
1980	191,387	11,796	0	179,591	163,988	9,549	154,439	27,399	2,247	0	25,152
1981	147,833	10,919	0	136,914	132,675	9,333	123,342	15,158	1,586	0	13,572
1982	254,736	27,809	0	226,927	220,126	23,841	196,285	34,610	3,968	0	30,642
1983	285,638	19,388	0	266,250	259,368	16,406	242,962	26,270	2,982	0	23,288
1984	264,249	6,007	7	258,235	236,609	4,790	231,819	27,640	1,217	7	26,416
1985	297,629	10,746	34	286,849	263,665	6,900	256,765	33,964	3,846	34	30,084
1986	325,561	9,770	16	315,775	294,592	8,693	285,899	30,969	1,077	16	29,876
1987	408,144	14,398	496	393,250	362,240	11,147	351,093	45,904	3,251	496	42,157
1988:											
1st qtr.	151,305	6,370	0	144,935	128,781	4,248	124,533	22,524	2,122	0	20,402
2d qtr.	129,416	2,357	0	127,059	108,612	1,662	106,950	20,804	695	0	20,109
3d qtr.	107,353	3,472	0	103,881	87,888	2,472	85,416	19,465	1,000	0	18,465
4th qtr.	101,766	2,391	0	99,375	90,822	2,291	88,531	10,944	100	0	10,844
1988 total	489,840	14,590	0	475,250	416,103	10,673	405,430	73,737	3,917	0	69,820
1989:											
1st qtr.	R122,826	2,965	0	R122,861	R105,148	2,923	R102,225	20,677	42	0	20,636
2d qtr.	250,833	10,055	0	240,777	198,166	9,385	188,781	52,667	670	0	51,997
3d qtr.	140,465	2,769	0	137,696	121,617	2,724	118,893	18,848	45	0	18,803
4th qtr.	123,715	1,514	0	122,201	90,400	1,038	89,362	33,315	476	0	32,839
1989 total	640,838	17,303	0	623,535	515,331	16,070	499,260	125,507	1,233	0	124,275
TO PEOPLES REPUBLIC OF CHINA											
1980	87,785	69,901	0	17,884	43,271	31,884	11,387	44,514	38,017	0	6,497
1981	219,237	149,592	0	69,645	170,779	111,058	59,721	48,458	38,534	0	9,924
1982	533,102	390,047	0	143,055	358,762	244,198	114,564	174,340	145,849	0	28,491
1983	699,240	497,020	0	202,220	535,418	347,576	187,842	163,822	149,444	0	14,378
1984	845,188	624,676	0	220,512	589,661	402,321	187,340	255,527	222,355	0	33,172
1985	1,029,559	716,273	0	313,286	644,370	379,929	264,441	385,189	336,344	0	48,845
1986	608,316	374,374	0	233,942	434,685	226,816	207,869	173,631	147,558	0	26,073
1987	558,679	389,496	0	169,183	435,620	288,652	146,968	123,059	100,844	0	22,215
1988:											
1st qtr.	255,401	215,307	0	40,094	164,489	132,018	32,471	90,912	83,289	0	7,623
2d qtr.	368,992	294,061	0	74,931	247,239	185,923	61,316	121,753	108,138	0	13,615
3d qtr.	285,194	203,395	0	81,799	183,543	124,892	58,651	101,651	78,503	0	23,148
4th qtr.	142,930	113,110	22	29,798	95,673	75,173	20,500	47,257	37,937	22	9,298
1988 total	1,052,517	825,873	22	226,622	690,944	518,006	172,938	361,573	307,867	22	53,684
1989:											
1st qtr.	R142,273	115,803	0	R26,471	R106,436	88,860	R17,577	35,837	26,943	0	8,894
2d qtr.	R100,706	81,188	26	R19,492	R49,775	40,710	R9,065	50,931	40,478	26	10,427
3d qtr.	R110,694	70,845	11	R39,837	R61,549	58,568	R2,980	49,145	12,277	11	36,857
4th qtr.	108,940	104,045	0	4,895	79,806	74,911	4,895	29,134	29,134	0	0
1989 total	462,613	371,881	37	90,695	297,566	263,049	34,517	165,047	108,832	37	56,178

R = revised.

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.

Table 22--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO ALL COUNTRIES											
1978	992,207	413,645	24,923	553,639	637,818	212,305	425,513	354,389	201,340	24,923	128,126
1979	1,480,036	624,090	24,419	831,527	991,513	331,874	659,639	488,523	292,216	24,419	171,888
1980	1,308,858	634,898	16,596	657,364	835,524	317,744	517,780	473,334	317,154	16,596	139,584
1981	882,942	476,653	24,911	381,378	565,564	266,847	298,717	317,378	209,806	24,911	82,661
1982	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983	892,436	500,178	11,007	381,251	580,518	272,311	308,207	311,918	227,867	11,007	73,044
1984	903,796	533,451	14,148	356,197	575,879	281,943	293,936	327,917	251,509	14,148	62,260
1985	972,469	586,597	14,166	371,707	586,974	277,856	309,119	385,495	308,741	14,166	62,588
1986	929,580	567,356	11,082	351,142	552,088	256,632	295,455	377,493	310,725	11,082	55,686
1987	1,245,300	751,776	18,073	475,452	762,852	373,752	389,100	482,448	378,023	18,073	86,352
1988:											
1st qtr.	421,137	256,416	4,537	160,184	266,171	136,894	129,277	154,966	119,522	4,537	30,907
2d qtr.	534,475	353,170	10,651	170,654	311,973	175,113	136,860	222,502	178,057	10,651	33,794
3d qtr.	414,104	252,753	7,374	153,977	249,041	129,746	119,295	165,063	123,007	7,374	34,682
4th qtr.	356,152	216,261	12,671	127,220	205,558	106,882	98,676	150,594	109,379	12,671	28,544
1988 total	1,725,868	1,078,600	35,233	612,035	1,032,743	548,636	484,108	693,125	529,965	35,233	127,927
1989:											
1st qtr.	404,894	264,044	7,411	133,439	251,845	148,117	103,727	153,050	115,927	7,411	29,712
2d qtr.	516,556	324,077	7,771	184,708	304,297	159,470	144,827	212,259	164,607	7,771	39,881
3d qtr.	441,969	267,938	11,016	163,015	281,129	149,531	131,598	160,840	118,407	11,016	31,417
4th qtr.	361,352	220,446	5,648	135,258	208,924	109,965	98,959	152,428	110,481	5,648	36,299
1989 total	1,723,541	1,076,505	31,846	615,190	1,044,964	567,083	477,881	678,577	509,422	31,846	137,309
TO JAPAN											
1978	908,627	404,134	22,763	481,730	566,494	204,832	361,662	342,133	199,302	22,763	120,068
1979	1,387,602	612,160	22,271	753,171	910,338	323,034	587,304	477,264	289,126	22,271	165,867
1980	1,190,875	593,484	16,596	580,795	750,369	297,359	453,010	440,506	296,125	16,596	127,785
1981	740,943	404,395	24,889	311,659	451,171	213,444	237,727	289,772	190,951	24,889	73,932
1982	716,343	424,685	18,679	272,979	392,047	190,838	201,209	324,296	233,847	18,679	71,770
1983	583,048	331,171	11,007	240,870	336,125	156,671	179,454	246,923	174,500	11,007	61,416
1984	535,175	324,484	13,946	196,744	302,800	148,370	154,430	232,375	176,114	13,946	42,315
1985	560,675	360,035	13,965	186,675	304,521	157,596	146,925	256,154	202,439	13,965	39,750
1986	644,858	450,926	11,059	182,871	326,718	183,095	143,623	318,140	267,830	11,059	39,250
1987	918,370	612,328	17,537	288,506	493,610	270,675	222,936	424,759	341,653	17,537	65,572
1988:											
1st qtr.	254,072	165,466	4,366	84,240	146,681	82,105	64,576	107,391	83,361	4,366	19,664
2d qtr.	319,991	226,913	10,522	82,556	161,727	96,835	64,892	158,264	130,078	10,522	17,664
3d qtr.	248,582	167,423	6,252	74,907	134,098	76,735	57,363	114,484	90,688	6,252	17,544
4th qtr.	253,218	170,085	12,420	70,713	128,417	76,906	51,511	124,801	93,179	12,420	19,202
1988 total	1,075,863	729,888	33,559	312,416	570,923	332,581	238,342	504,940	397,308	33,559	74,074
1989:											
1st qtr.	297,874	213,410	6,856	77,608	172,367	111,918	60,449	125,508	101,492	6,856	17,159
2d qtr.	393,602	285,408	7,252	100,942	217,076	137,809	79,267	176,526	147,599	7,252	21,675
3d qtr.	352,958	236,398	10,746	105,814	210,236	125,045	85,191	142,722	111,353	10,746	20,623
4th qtr.	257,912	172,713	5,226	79,973	134,926	76,212	58,714	122,986	96,501	5,226	21,259
1989 total	1,302,346	907,929	30,080	364,337	734,604	450,983	283,621	567,742	456,945	30,080	80,717

Table 22—Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89 (continued)

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO CANADA											
1978	2,933	2,129	--	804	2,933	2,129	804	--	--	--	--
1979	7,223	2,435	--	4,788	7,223	2,435	4,788	--	--	--	--
1980	323	133	--	190	323	133	190	--	--	--	--
1981	463	173	--	290	463	173	290	--	--	--	--
1982	1,068	137	--	931	1,068	137	931	--	--	--	--
1983	1,046	55	--	991	1,046	55	991	--	--	--	--
1984	2,081	549	--	1,531	2,081	549	1,531	--	--	--	--
1985	6,390	16	--	6,374	6,390	16	6,374	--	--	--	--
1986	12,239	418	--	11,822	11,051	418	10,633	1,189	--	--	1,189
1987	8,070	822	--	7,248	7,561	822	6,739	509	--	--	509
1988:											
1st qtr.	705	31	--	674	705	31	674	--	--	--	--
2d qtr.	832	57	--	775	832	57	775	--	--	--	--
3d qtr.	1,099	111	--	988	1,099	111	988	--	--	--	--
4th qtr.	1,207	138	--	1,069	1,207	138	1,069	--	--	--	--
1988 total	3,842	336	--	3,506	3,842	336	3,506	--	--	--	--
1989:											
1st qtr.	1,998	902	--	1,097	1,998	902	1,097	--	--	--	--
2d qtr.	2,783	1,867	--	916	2,783	1,867	916	--	--	--	--
3d qtr.	1,983	1,112	--	871	1,983	1,112	871	--	--	--	--
4th qtr.	3,615	1,543	--	2,072	3,615	1,543	2,072	--	--	--	--
1989 total	10,379	5,424	--	4,956	10,379	5,424	4,956	--	--	--	--
TO SOUTH KOREA											
1978	76,839	6,392	--	70,447	67,974	5,333	62,641	8,865	1,059	--	7,806
1979	80,173	6,982	--	73,191	73,751	6,378	67,373	6,422	604	--	5,818
1980	71,675	4,116	--	67,559	62,108	3,279	58,829	9,567	837	--	8,730
1981	47,481	4,027	--	43,454	43,048	3,513	39,535	4,433	514	--	3,919
1982	76,415	9,169	--	67,246	66,657	8,136	58,521	9,758	1,033	--	8,725
1983	84,776	5,481	--	79,295	76,707	4,630	72,077	8,069	851	--	7,218
1984	77,339	1,723	2	75,614	68,951	1,358	67,593	8,389	365	2	8,022
1985	85,611	2,803	15	82,793	75,078	1,695	73,383	10,533	1,108	15	9,410
1986	90,498	2,909	23	87,565	82,152	2,612	79,537	8,348	296	23	8,029
1987	126,745	4,952	178	121,615	112,289	3,871	108,418	14,456	1,080	178	13,198
1988:											
1st qtr.	57,721	2,340	--	55,381	49,286	1,498	47,788	8,435	842	--	7,593
2d qtr.	49,850	907	--	48,943	41,916	656	41,260	7,934	251	--	7,683
3d qtr.	41,550	1,425	--	40,125	34,060	1,015	33,045	7,490	410	--	7,080
4th qtr.	42,683	1,538	--	41,145	38,494	1,453	37,041	4,189	85	--	4,104
1988 total	191,804	6,210	--	185,594	163,755	4,622	159,134	28,047	1,588	--	26,460
1989:											
1st qtr.	43,546	1,343	--	42,203	35,197	1,326	33,871	8,349	17	--	8,332
2d qtr.	74,353	3,297	--	71,056	59,873	3,092	56,781	14,480	295	--	14,185
3d qtr.	49,142	1,415	--	47,727	42,842	1,394	41,448	6,300	21	--	6,279
4th qtr.	49,507	599	--	48,908	34,589	372	34,217	14,918	227	--	14,691
1989 total	216,548	6,655	--	209,894	172,501	6,094	166,407	44,047	560	--	43,487
TO PEOPLES REPUBLIC OF CHINA											
1980	41,433	34,285	--	7,148	21,326	16,692	4,634	20,107	17,593	--	2,514
1981	88,000	63,977	--	24,023	67,639	47,363	20,276	20,361	16,614	--	3,747
1982	207,078	158,699	--	48,379	138,219	99,194	39,025	68,859	59,505	--	9,354
1983	220,458	161,616	--	58,842	164,982	110,449	54,533	55,476	51,167	--	4,309
1984	264,969	199,224	--	65,745	184,041	128,413	55,628	80,928	70,811	--	10,116
1985	312,178	221,344	--	90,834	195,164	117,736	77,428	117,014	103,609	--	13,406
1986	176,472	110,633	--	65,840	128,869	69,348	59,520	447,604	41,284	--	6,320
1987	158,384	113,984	--	44,400	123,661	84,867	38,793	34,723	29,116	--	5,607
1988:											
1st qtr.	99,130	84,380	--	14,750	63,333	51,178	12,155	35,797	33,202	--	2,595
2d qtr.	146,872	118,156	--	28,716	98,913	75,275	23,638	47,959	42,881	--	5,078
3d qtr.	110,776	79,887	--	30,889	71,108	48,949	22,159	39,668	30,938	--	8,730
4th qtr.	53,915	42,729	20	11,166	35,151	27,513	7,638	18,764	15,216	20	3,528
1988 total	410,693	325,151	20	85,522	268,504	202,915	65,590	142,188	122,236	20	19,932
1989:											
1st qtr.	56,515	46,301	--	10,214	38,673	32,631	6,042	17,841	13,670	--	4,172
2d qtr.	35,545	28,952	45	6,548	16,802	13,324	3,478	18,743	15,628	45	3,070
3d qtr.	31,483	25,856	20	5,607	21,874	20,682	1,192	9,609	5,174	20	4,415
4th qtr.	45,697	43,927	--	1,770	32,749	30,979	1,770	12,948	12,948	--	--
1989 total	169,239	145,035	65	24,138	110,098	97,616	12,482	59,141	47,420	65	11,656

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. 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.

Table 23—Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89

(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	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO ALL COUNTRIES											
1978	348.46	363.08	1,017.56	328.84	332.89	342.70	328.21	380.48	387.37	1,017.56	330.94
1979	457.70	476.70	1,076.06	437.24	440.68	453.14	434.67	496.62	506.62	1,076.06	445.56
1980	497.32	503.00	1,349.27	484.32	491.73	492.57	491.22	507.50	513.91	1,349.27	460.31
1981	444.32	468.61	1,605.09	399.56	429.80	460.85	405.40	472.80	478.88	1,605.09	379.81
1982	395.27	420.40	1,656.70	350.88	378.94	410.40	352.46	422.12	430.85	1,656.70	345.51
1983	344.37	352.81	1,232.31	327.29	333.67	341.97	326.67	366.21	366.69	1,232.31	329.93
1984	332.00	340.04	1,271.75	311.82	321.87	332.76	312.07	351.44	348.59	1,271.75	310.64
1985	323.71	335.26	1,145.43	299.26	312.41	329.10	298.78	342.58	341.00	1,145.43	301.65
1986	334.37	352.24	911.05	303.43	317.55	335.18	303.67	362.45	367.70	911.05	302.17
1987	393.14	407.57	1,495.86	362.68	369.69	380.10	360.22	436.96	438.92	1,495.86	374.20
1988:											
1st qtr.	467.07	474.11	1,559.64	447.56	452.93	451.90	454.04	493.53	502.38	1,559.64	422.35
2d qtr.	473.08	472.82	2,370.58	451.06	452.89	450.42	456.10	504.62	497.14	2,370.58	431.75
3d qtr.	459.68	467.63	1,868.73	432.03	443.51	446.41	440.41	486.44	492.32	1,868.73	405.49
4th qtr.	474.95	479.74	1,703.32	436.21	450.04	455.83	443.93	513.76	505.66	1,703.32	411.47
1988 average	468.71	473.26	1,875.39	442.13	450.04	450.87	449.10	499.59	498.91	1,875.39	417.58
1989:											
1st qtr.	468.62	531.02	3,149.60	366.16	429.02	485.04	368.27	552.55	604.20	3,149.60	358.98
2d qtr.	448.36	506.24	2,312.80	363.19	417.41	474.94	368.29	501.69	540.76	2,312.80	345.79
3d qtr.	495.57	548.27	2,398.43	409.02	471.92	508.09	436.59	543.16	609.11	2,398.43	323.46
4th qtr.	511.73	540.27	3,120.44	456.49	469.40	493.83	444.93	583.91	596.06	3,120.44	491.28
1989 average	476.89	529.22	2,628.43	392.38	443.37	489.66	398.66	539.73	581.52	2,620.43	371.99
TO JAPAN											
1978	360.30	366.21	997.76	345.20	347.49	347.38	347.55	383.71	387.82	997.76	338.30
1979	468.83	478.56	1,080.54	453.73	455.55	457.61	454.43	496.42	504.36	1,080.54	451.28
1980	507.98	504.92	1,349.27	502.15	504.11	493.35	511.36	514.71	516.98	1,349.27	472.01
1981	461.95	477.74	1,606.26	420.04	449.65	471.47	431.71	482.51	484.95	1,606.26	386.46
1982	412.12	428.70	1,657.12	370.75	394.85	417.00	375.91	435.13	438.75	1,657.12	357.02
1983	366.40	369.73	1,232.31	350.80	360.00	363.98	356.59	375.49	375.04	1,232.31	334.89
1984	352.24	355.80	1,289.03	329.79	340.56	347.31	334.32	368.70	363.29	1,289.03	314.28
1985	346.72	354.78	1,169.03	316.23	332.29	346.64	318.17	365.60	361.39	1,169.03	309.27
1986	364.59	370.77	910.36	338.42	345.74	349.32	341.29	386.21	387.01	910.36	328.32
1987	448.24	445.52	1,590.66	434.90	433.58	425.65	443.61	466.58	462.63	1,590.66	407.69
1988:											
1st qtr.	542.15	534.30	1,639.50	539.02	532.11	506.05	569.40	556.50	565.39	1,639.50	458.66
2d qtr.	544.83	524.46	2,411.09	549.29	523.91	495.46	573.02	568.01	548.35	2,411.09	476.75
3d qtr.	520.65	515.51	2,162.57	500.10	504.58	489.65	526.02	540.82	539.62	2,162.57	430.70
4th qtr.	518.97	514.00	1,734.64	471.85	495.33	497.52	492.09	545.78	528.46	1,734.64	424.96
1988 average	532.26	522.09	1,965.04	515.35	514.64	497.14	541.22	553.69	544.98	1,965.04	446.65
1989:											
1st qtr.	513.37	574.41	3,360.78	375.52	476.21	536.95	393.74	575.00	622.29	3,360.78	322.90
2d qtr.	511.31	534.02	2,362.98	434.59	475.83	503.69	434.09	562.94	565.84	2,362.98	436.45
3d qtr.	567.90	581.63	2,407.80	502.42	528.69	547.83	502.90	637.56	624.93	2,407.80	500.45
4th qtr.	570.24	586.94	3,305.50	511.18	526.98	544.27	506.11	626.67	625.68	3,305.50	525.72
1989 average	537.31	565.10	2,697.03	452.04	499.10	530.37	456.32	596.39	604.14	2,697.03	437.61

Table 23—Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89 (continued)

(In dollars per thousand board feet, Scnbnr scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO CANADA											
1978	232.08	227.43	--	245.35	232.08	227.43	245.35	--	--	--	--
1979	299.41	314.72	--	299.41	299.41	314.72	292.18	--	--	--	--
1980	327.92	336.71	--	322.03	327.92	336.71	322.03	--	--	--	--
1981	347.60	441.33	--	308.51	347.60	441.33	308.51	--	--	--	--
1982	224.51	215.75	--	225.86	224.51	215.75	225.86	--	--	--	--
1983	200.35	138.54	--	205.44	200.35	137.46	205.44	--	--	--	--
1984	198.93	228.18	--	190.07	198.93	228.18	190.07	--	--	--	--
1985	194.82	456.64	--	194.53	194.82	456.64	194.53	--	--	--	--
1986	208.19	180.87	--	209.33	206.10	180.87	207.23	230.09	--	--	230.09
1987	185.35	152.05	--	190.07	182.65	152.05	190.07	237.33	--	--	237.33
1988:											
1st qtr.	140.77	484.38	--	136.33	140.77	484.38	136.33	--	--	--	--
2d qtr.	184.19	410.07	--	177.02	184.19	410.07	177.02	--	--	--	--
3d qtr.	194.62	422.05	--	183.51	194.62	422.05	183.51	--	--	--	--
4th qtr.	214.73	405.88	--	199.78	212.09	405.88	199.78	--	--	--	--
1988 average	184.15	416.87	--	174.80	184.15	416.87	174.80	--	--	--	--
1989:											
1st qtr.	R267.01	366.97	--	R218.27	R267.01	366.97	R218.27	--	--	--	--
2d qtr.	486.03	605.58	--	346.58	486.03	605.58	346.58	--	--	--	--
3d qtr.	R405.69	478.90	--	R339.43	R405.69	478.90	R339.43	--	--	--	--
4th qtr.	296.09	304.16	--	290.32	296.09	304.16	290.32	--	--	--	--
1989 average	342.46	419.30	--	285.29	342.46	419.30	285.29	--	--	--	--
TO SOUTH KOREA											
1978	249.59	257.28	--	249.02	250.01	261.09	249.11	246.40	239.70	--	247.34
1979	326.82	343.23	--	325.33	324.79	341.93	323.26	352.05	357.61	--	351.40
1980	374.50	348.93	--	376.18	378.74	343.39	380.92	349.17	372.50	--	347.09
1981	321.18	368.81	--	317.38	324.46	376.41	320.53	292.45	324.29	--	288.76
1982	299.98	329.71	--	296.33	302.81	341.26	298.14	281.94	260.32	--	284.74
1983	296.80	282.70	--	297.82	295.74	282.21	296.66	307.16	285.38	--	309.95
1984	292.67	286.83	--	292.81	291.41	283.51	291.42	303.51	299.92	--	303.68
1985	287.64	260.84	--	280.63	284.75	245.68	285.90	310.13	288.05	281.14	312.81
1986	277.95	297.75	--	277.30	278.87	300.47	278.20	269.56	274.84	441.18	286.74
1987	310.54	343.94	--	309.26	309.99	347.27	308.80	314.92	332.21	1,359.81	313.07
1988:											
1st qtr.	381.49	367.35	--	302.11	302.71	352.64	303.74	374.49	396.80	--	372.17
2d qtr.	385.19	304.01	--	385.20	385.92	394.71	385.79	381.37	361.15	--	302.07
3d qtr.	387.04	410.43	--	386.26	307.54	410.60	386.07	304.79	410.00	--	303.43
4th qtr.	419.42	643.25	--	414.04	423.84	634.22	418.40	302.77	050.00	--	378.46
1980 average	391.56	425.63	--	390.52	393.54	433.06	392.51	300.37	405.41	--	378.97
1989:											
1st qtr.	R346.08	452.95	--	R343.50	R334.74	453.64	R331.34	403.78	404.76	--	403.76
2d qtr.	296.42	327.90	--	295.11	302.14	319.87	301.25	274.94	440.30	--	272.80
3d qtr.	349.05	511.01	--	346.61	352.27	511.75	348.62	334.25	466.67	--	333.94
4th qtr.	400.17	395.64	--	400.23	382.62	358.38	382.90	447.79	476.89	--	447.36
1989 average	337.91	384.62	--	336.62	334.74	379.22	333.31	350.95	454.18	--	349.93
TO PEOPLES REPUBLIC OF CHINA											
1980	471.98	490.48	--	399.69	492.85	523.52	406.96	451.70	462.77	--	386.95
1981	401.39	427.68	--	344.94	396.06	426.47	339.51	420.18	431.15	--	377.57
1982	388.44	406.87	--	338.18	385.27	406.20	340.64	394.97	407.99	--	328.31
1983	315.28	325.17	--	290.98	308.14	317.77	290.31	338.64	342.38	--	299.69
1984	313.50	318.92	--	298.15	312.11	319.18	296.94	316.71	318.46	--	304.96
1985	303.22	309.02	--	289.94	302.88	309.89	292.80	303.79	308.04	--	274.46
1986	290.10	295.51	--	281.44	296.47	305.75	286.33	274.17	279.78	--	242.40
1987	283.50	292.64	--	262.44	283.87	294.01	263.96	282.17	288.72	--	252.40
1988:											
1st qtr.	388.13	391.91	--	367.89	385.03	387.66	374.33	393.75	398.64	--	340.42
2d qtr.	398.04	401.87	--	383.23	400.07	404.87	385.51	393.90	396.54	--	372.97
3d qtr.	388.42	392.77	--	377.62	387.42	391.93	377.81	390.24	394.10	--	377.14
4th qtr.	377.21	377.77	909.09	374.72	367.41	366.00	372.59	397.06	401.09	909.09	379.44
1988 average	390.20	393.71	909.09	377.38	308.60	391.72	379.27	393.25	397.04	909.09	371.28
1989:											
1st qtr.	R397.23	399.83	--	R385.86	R363.35	367.22	R343.74	497.84	507.37	--	469.08
2d qtr.	R352.96	356.60	1,730.77	R335.93	R337.56	327.29	R383.67	368.01	386.09	1,730.77	294.43
3d qtr.	R284.41	364.97	1,818.18	R140.75	R355.39	353.13	R400.00	195.52	421.44	1,818.18	119.79
4th qtr.	419.47	422.19	--	361.59	426.39	413.54	361.59	444.43	444.43	--	--
1989 average	365.83	390.00	1,756.76	266.14	370.00	371.09	361.62	358.33	435.72	1,756.76	207.48

R = revised.

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. 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.

Table 24--Volume and average value of softwood log exports from the San Francisco Customs District by species and destination, 1978-89

(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								
1978	72,650	358.18	49,024	335.67	2,880	1,138.19	20,746	303.14
1979	65,492	369.65	37,551	302.60	1,611	1,351.96	26,330	405.17
1980	31,672	492.33	7,287	439.82	653	1,837.67	23,732	471.43
1981	25,586	489.21	5,890	393.89	1,381	1,398.26	18,315	451.32
1982	19,507	344.75	12,609	354.83	6	666.67	6,892	326.18
1983	33,519	345.33	3,643	312.38	300	1,026.67	29,576	342.47
1984	47,115	361.39	16,339	345.49	1,764	861.68	29,012	339.93
1985	62,580	299.66	33,967	284.72	1,272	591.98	27,341	304.60
1986	26,211	319.41	4,147	264.77	354	774.01	21,710	322.39
1987	32,132	395.40	14,942	452.82	0	--	17,190	345.49
1988	90,785	440.32	26,850	509.87	156	2,147.44	63,779	406.86
1989:								
1st quarter	17,307	485.70	8,005	637.48	1	2,000.00	9,301	354.91
2d quarter	9,704	592.64	3,900	524.36	0	--	5,804	638.53
3d quarter	19,013	779.26	3,752	744.40	0	--	15,261	707.83
4th quarter	27,706	573.63	5,483	667.15	0	--	22,223	550.56
1989 total and average value	73,730	607.95	21,140	643.33	1	2,000.0	52,589	594.70
TO JAPAN								
1978	58,760	361.52	48,653	336.14	1,757	1,118.95	8,350	350.06
1979	57,938	372.40	37,411	302.61	1,611	1,351.96	18,916	426.99
1980	27,180	513.98	7,055	442.81	653	1,837.67	19,472	495.38
1981	20,708	521.73	1,024	595.70	1,381	1,398.26	18,303	451.46
1982	9,022	331.19	3,270	355.35	6	666.67	5,746	317.09
1983	24,308	351.94	3,626	311.64	300	1,026.67	20,382	349.23
1984	26,251	397.58	2,954	389.64	1,764	861.68	21,533	360.66
1985	25,243	325.79	3,956	311.43	1,272	591.98	20,015	311.67
1986	19,060	330.80	217	39.62	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:								
1st quarter	8,273	563.16	4,344	721.22	0	--	3,929	388.39
2d quarter	7,828	613.57	3,830	518.28	0	--	3,997	705.03
3d quarter	16,829	836.77	3,719	741.87	0	--	13,110	863.69
4th quarter	17,705	603.16	3,185	475.67	0	--	14,520	631.13
1989 total and average value	50,634	675.04	15,078	622.83	0	--	35,556	697.18
TO PEOPLE'S REPUBLIC OF CHINA								
1978	0	--	0	--	0	--	0	--
1979	0	--	0	--	0	--	0	--
1980	0	--	0	--	0	--	0	--
1981	0	--	0	--	0	--	0	--
1982	9,292	352.35	9,282	351.00	0	--	10	1,600.00
1983	8,302	314.62	0	--	0	--	8,302	314.62
1984	18,276	326.55	12,756	340.39	0	--	5,520	294.57
1985	37,305	281.65	30,011	281.20	0	--	7,294	283.52
1986	7,097	287.73	3,900	260.00	0	--	3,197	321.55
1987	0	--	0	--	0	--	0	--
1988	43,713	429.00	12,881	434.52	0	--	30,832	426.70
1989:								
1st quarter	7,555	378.56	2,944	518.34	1	2,000.00	4,609	289.00
2d quarter	0	--	0	--	0	--	0	--
3d quarter	1,651	282.86	0	--	0	--	1,651	282.86
4th quarter	149	469.80	0	--	0	--	149	469.80
1989 total and average value	9,355	363.01	2,944	518.34	1	2,000.00	6,409	291.47

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

Table 25—Volume and average value of softwood log exports from Anchorage Customs District by species and destination, 1980-89

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

Year and quarter	All species		Hemlock		Cedar		Spruce	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
1980	160,523	532.56	54,412	408.29	16,304	403.03	78,600	553.26
1981	149,208	480.54	60,094	382.17	9,610	299.38	69,631	578.85
1982	241,123	478.49	124,061	424.61	22,817	382.78	83,911	577.74
1983	262,219	425.55	131,238	358.71	23,402	377.45	101,902	511.54
1984	231,544	396.66	121,349	319.97	15,547	414.68	87,400	496.00
1985	299,190	387.11	177,301	310.28	17,708	354.70	96,689	527.64
1986	345,783	397.88	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:								
1st quarter	36,490	595.07	17,369	476.83	5,598	464.09	11,588	734.12
2d quarter	167,311	531.98	92,211	406.26	16,049	413.67	52,407	758.22
3d quarter	159,077	505.59	78,517	403.80	18,941	426.01	55,859	623.77
4th quarter	156,660	474.28	71,934	410.70	17,724	481.10	56,047	529.95
1988 total and average value	519,538	510.93	260,031	411.46	58,312	443.01	175,901	641.21
1989:								
1st quarter	48,436	456.64	19,738	339.47	8,201	339.47	16,098	587.15
2d quarter	206,944	498.80	96,396	407.16	25,097	408.77	74,754	634.72
3d quarter	217,597	508.57	86,271	434.18	23,021	437.25	93,311	582.01
4th quarter	170,083	547.19	76,558	482.81	17,657	386.99	66,955	667.64
1989 total and average value	643,061	511.73	278,963	431.46	74,065	404.27	251,118	620.86
TO JAPAN								
1980	156,275	533.22	54,166	407.71	14,819	379.78	76,087	557.31
1981	141,209	491.51	60,094	382.17	3,971	276.76	69,566	578.01
1982	219,700	486.71	119,927	424.28	7,374	382.70	83,536	578.27
1983	211,705	452.60	112,446	374.41	4,525	413.70	89,057	542.29
1984	202,238	415.51	107,392	333.41	6,142	431.29	83,217	511.00
1985	250,220	416.59	148,414	328.30	6,155	354.02	88,261	565.19
1986	278,841	445.40	153,998	334.42	8,726	379.90	103,828	596.55
1987	301,200	595.03	142,786	491.34	11,677	390.68	130,116	678.69
1988:								
1st quarter	19,180	826.75	8,343	680.09	632	384.49	8,285	920.10
2d quarter	97,115	736.09	46,167	612.43	4,900	402.24	41,404	883.97
3d quarter	100,545	628.12	43,034	541.01	6,723	421.24	45,499	690.30
4th quarter	104,815	541.51	40,439	508.25	6,616	479.75	47,234	564.91
1988 total and average value	321,655	644.34	137,983	563.71	18,871	435.59	142,422	718.39
1989:								
1st quarter	36,532	523.95	13,549	399.29	2,593	436.17	15,991	588.39
2d quarter	147,332	554.17	67,592	458.53	5,013	420.51	64,030	660.30
3d quarter	172,164	550.41	64,868	476.01	7,233	482.79	85,328	605.66
4th quarter	133,160	590.46	55,136	523.56	6,557	493.82	62,725	670.94
1989 total and average value	489,188	560.47	201,145	478.00	21,396	465.88	228,074	637.74
TO PEOPLES REPUBLIC OF CHINA								
1980	0	--	0		0	--	0	
1981	3,205	377.54	0		2,977	355.06	65	1,476.92
1982	0	--	0				0	--
1983	15,591	305.18	5,247	285.69	0	--	10,344	315.06
1984	0	--	0		0	--	0	
1985	2,113	352.58	1,860	331.18	0	--	253	513.83
1986	0	--	0	--	0	--	0	--
1987	19,602	296.09	2,061	183.41	0		17,541	309.33
1988:								
1st quarter	0	--	0		0	--	0	
2d quarter	0	--	0	--	0	--	0	--
3d quarter	4,000	300.00	0	--	0		4,000	300.00
4th quarter	5,267	348.59	601	361.06	0		4,666	347.19
1988 total and average value	9,267	327.61	601	361.06	0	--	8,666	325.41
1989:								
1st quarter	0		0		0		0	--
2d quarter	3,091	289.87	0	--	0		3,091	289.87
3d quarter	3,907	256.72	0		0		3,907	256.72
4th quarter	0		0		0		0	
1989 total and average value	6,998	271.36	0		0	--	6,998	271.36

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

Table 26—Volume and average value of log exports by port, species, and destination, Seattle Customs District, 1989

(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	342,513	470.69	193,206	531.80	127,653	398.55	10,036	307.83	0	—
Port-Orford-cedar	231	473.10	231	473.10	0	—	0	—	0	—
Redcedar	33,713	631.14	8,643	803.89	0	—	25,066	571.61	0	—
Hemlock	411,313	335.99	165,063	417.72	13,802	365.72	230,173	275.83	0	—
Spruce	19,043	390.49	9,041	470.71	2,935	378.78	2,023	267.02	0	—
Other softwoods	1,973	435.61	1,239	532.98	0	—	734	271.14	0	—
All softwoods	808,786	406.90	377,423	486.64	144,390	395.01	268,031	304.61	0	—
Hardwoods	1,812	790.18	949	1,079.53	0	—	862	471.49	0	—
Anacortes:										
Douglas-fir	39,390	515.04	31,287	545.80	0	—	0	—	8,103	396.29
Port-Orford-cedar	42	357.56	42	357.56	0	—	0	—	0	—
Redcedar	87	889.98	87	889.98	0	—	0	—	0	—
Hemlock	26,166	360.70	14,624	436.44	0	—	0	—	11,542	264.74
Other softwoods	223	1,019.25	223	1,019.25	0	—	0	—	0	—
All softwoods	65,909	455.87	46,264	513.99	0	—	0	—	19,645	319.00
Hardwoods	257	219.93	0	—	0	—	0	—	257	219.93
Everett:										
Douglas-fir	225,314	491.76	175,944	544.66	48,481	302.05	497	422.17	0	—
Redcedar	4,291	590.32	2,627	592.28	0	—	806	635.87	0	—
Hemlock	146,656	411.71	101,102	451.88	0	—	\$0,035	332.25	0	—
Spruce	7,256	580.09	6,655	596.73	0	—	145	398.84	0	—
Other softwoods	8,524	648.90	7,511	697.05	0	—	380	464.38	0	—
All softwoods	392,040	467.94	293,838	518.24	48,481	302.05	41,863	340.59	0	—
Hardwoods	7,620	327.68	2,505	529.94	0	—	3,052	246.13	0	—
Port Angeles:										
Douglas-fir	82,133	508.94	75,646	515.40	4,091	437.97	1,610	461.68	11	480.18
Redcedar	16,710	631.43	8,333	618.67	0	—	7,358	690.18	0	—
Hemlock	245,295	413.35	99,382	474.03	13,257	297.52	131,589	380.45	1,067	257.12
Spruce	29,945	454.16	28,269	451.55	1,470	517.54	114	398.36	0	—
Other softwoods	3,378	640.62	3,378	640.62	0	—	0	—	0	—
All softwoods	377,460	449.07	215,008	493.85	18,818	345.24	140,670	397.60	1,078	259.40
Hardwoods	2,538	498.91	1,277	625.04	0	—	1,255	368.63	0	—
Seattle:										
Douglas-fir	9,302	559.31	6,243	507.07	14	159.27	62	434.99	384	437.89
Port-Orford-cedar	983	1,747.70	310	1,744.17	0	—	0	—	0	—
Redcedar	4,546	561.13	701	609.46	56	1,288.30	288	552.08	0	—
Hemlock	7,804	321.30	4,259	328.72	0	—	0	—	1,608	278.15
Spruce	3,920	397.17	22	400.38	0	—	3,297	400.36	15	399.71
Other softwoods	6,483	728.86	870	979.05	288	1,169.74	2,899	572.59	5	1,037.75
All softwoods	33,038	552.75	12,404	515.45	358	1,149.07	6,545	483.64	2,012	311.52
Hardwoods	20,052	1,074.23	7,499	1,087.14	2	3,094.90	6,280	1,506.42	161	628.52

Table 26—Volume and average value of log exports by port, species, and destination, Seattle Customs District, 1989 (continued)

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Tacoma:										
Douglas-fir	455,028	496.09	367,987	524.96	82,809	365.92	3,865	524.09	0	--
Port-Orford-cedar	229	1,526.66	22	1,743.03	12	1,741.87	0	--	0	--
Redcedar	6,220	535.51	1,782	616.10	0	--	3,661	507.35	0	--
Hemlock	189,243	379.15	135,056	419.73	2,985	397.61	50,676	267.79	0	--
Spruce	4,436	586.21	4,352	588.93	0	--	0	--	0	--
Other softwoods	17,302	499.45	17,020	497.97	0	--	60	794.91	0	--
All softwoods	672,458	464.58	526,218	497.96	85,806	367.22	58,262	300.39	0	--
Hardwoods	4,174	765.50	2,155	903.32	4	550.14	1,735	571.47	0	--
Other ports: ^a										
Douglas-fir	4,438	459.57	0	--	0	--	0	--	4,438	459.57
Redcedar	87	506.89	0	--	0	--	0	--	87	506.89
Hemlock	3,134	339.04	681	376.47	0	--	0	--	2,453	328.65
Spruce	253	398.94	20	398.24	0	--	0	--	233	399.00
Other softwoods	374	597.83	0	--	0	--	0	--	374	597.83
All softwoods	8,286	418.86	701	377.09	0	--	0	--	7,585	422.72
Hardwoods	1,336	951.16	0	--	0	--	0	--	1,311	927.08
Total:										
Douglas-fir	1,158,117	489.66	850,314	530.37	263,049	371.09	16,070	379.28	12,936	419.31
Port-Orford-cedar	1,486	1,475.88	605	1,161.95	12	1,741.87	0	--	0	--
Redcedar	65,655	614.82	22,173	688.32	56	1,288.30	37,178	589.99	87	506.89
Hemlock	1,029,610	373.67	520,166	435.38	30,044	338.79	452,472	310.35	16,670	274.95
Spruce	64,853	454.93	48,358	487.43	4,405	425.08	5,578	351.92	248	399.04
Other softwoods	38,256	584.79	30,240	582.46	288	1,169.74	4,073	511.46	379	603.98
All softwoods	2,357,977	443.71	1,471,855	499.10	297,854	369.63	515,371	334.71	30,319	342.34
Hardwoods	37,789	827.18	14,385	921.04	6	1,458.98	13,184	915.66	1,729	794.34

Note: Total log exports in this table do not agree with the totals for Washington in Table 21 because the total in this table includes treated poles, posts, and pilings.

^a Blaine, Frontier, Lynden, Oroville, and Sumas.

Source: U.S. Department of Commerce.

Table 27—Volume and average value of log exports by port, species, and destination, Seattle Customs District, fourth quarter 1989

(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	67,887	504.62	32,260	580.27	34,944	438.83	683	297.61	0	--
Redcedar	2,036	644.81	721	872.59	0	--	1,315	519.83	0	--
Hemlock	65,226	371.86	27,837	490.69	3,342	353.21	34,047	276.54	0	--
Spruce	3,120	440.53	2,110	498.59	245	398.62	766	293.90	0	--
Other softwoods	242	436.64	242	436.64	0	--	0	--	0	--
All softwoods	138,511	442.60	63,170	540.86	38,531	431.15	36,810	285.98	0	--
Hardwoods	413	1,283.35	387	1,293.49	0	--	26	1,131.53	0	--
Anacortes:										
Douglas-fir	11,602	448.75	7,800	547.22	0	--	0	--	3,802	246.75
Hemlock	5,721	340.26	1,257	620.74	0	--	0	--	4,464	261.27
Other softwoods	114	971.97	114	971.97	0	--	0	--	0	--
All softwoods	17,436	416.57	9,170	562.56	0	--	0	--	8,266	254.59
Everett:										
Douglas-fir	49,507	495.18	34,940	550.88	14,394	362.64	0	--	0	--
Redcedar	878	751.11	302	613.83	0	--	245	721.45	0	--
Hemlock	38,206	446.44	23,013	497.40	0	--	14,017	379.38	0	--
Spruce	1,734	407.89	1,629	415.97	0	--	0	--	0	--
Other softwoods	1,850	502.11	1,487	510.82	0	--	363	466.49	0	--
All softwoods	92,175	475.91	61,371	526.59	14,394	362.64	14,626	387.27	0	--
Hardwoods	1,725	308.05	274	798.55	0	--	662	276.29	0	--
Port Angeles:										
Douglas-fir	18,565	476.39	13,389	495.37	4,091	437.97	299	475.72	11	480.18
Redcedar	3,841	646.66	1,474	507.35	0	--	1,347	1,052.63	0	--
Hemlock	49,033	496.04	16,946	591.32	1,309	375.97	29,712	455.57	1,067	257.12
Spruce	6,823	404.63	6,730	405.87	0	--	0	--	0	--
Other softwoods	469	608.20	469	608.20	0	--	0	--	0	--
All softwoods	78,731	491.50	39,008	523.42	5,400	422.94	31,358	481.41	1,078	259.40
Hardwoods	407	642.66	168	528.84	0	--	233	717.73	0	--
Seattle:										
Douglas-fir	1,051	757.07	447	656.83	0	--	0	--	39	475.98
Port-Orford-cedar	2	1,848.24	0	--	0	--	0	--	0	--
Redcedar	136	509.15	0	--	0	--	0	--	0	--
Hemlock	1,218	501.07	541	645.36	0	--	0	--	77	374.57
Spruce	381	397.00	0	--	0	--	0	--	0	--
Other softwoods	1,415	782.48	174	1,571.78	0	--	648	658.07	0	--
All softwoods	4,201	651.19	1,162	788.60	0	--	648	658.07	116	408.95
Hardwoods	2,757	1,295.76	1,087	1,499.54	2	3,094.90	659	1,940.30	3	1,990.06

Table 27—Volume and average value of log exports by port, species, and destination, Seattle Customs District, fourth quarter 1989 (continued)

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Tacoma:										
Douglas-fir	72,845	490.99	51,189	528.44	21,482	401.87	56	475.29	0	
Port-Orford-cedar	92	1,741.27	0	--	0	--	0	--	0	
Redcedar	1,177	649.58	603	784.91	0	--	363	507.43	0	
Hemlock	31,406	459.99	24,806	474.06	0	--	6,540	407.42	0	
Spruce	1,449	403.97	1,389	404.19	0	--	0	--	0	
Other softwoods	3,687	527.66	3,487	530.41	0	--	0	--	0	
All softwoods	110,656	484.99	81,473	511.74	21,482	401.87	6,959	413.18	0	
Hardwoods	672	774.64	594	731.52	0	--	4	1,876.61	0	--
Other ports: ^a										
Douglas-fir	1,220	475.96	0	--	0	--	0	--	1,220	475.96
Redcedar	42	506.74	0	--	0	--	0	--	42	506.74
Hemlock	1,779	376.23	681	376.47	0	--	0	--	1,098	376.07
Spruce	233	399.00	0	--	0	--	0	--	233	399.00
Other softwoods	157	481.70	0	--	0	--	0	--	157	481.70
All softwoods	3,431	419.67	681	376.47	0	--	0	--	2,750	430.37
Hardwoods	174	1,439.25	0	--	0	--	0	--	168	1,417.52
Total:										
Douglas-fir	222,676	493.83	140,025	544.27	74,911	413.54	1,038	358.56	5,073	304.18
Port-Orford-cedar	93	1,743.06	0	--	0	--	0	--	0	
Redcedar	8,109	654.91	3,101	656.66	0	--	3,270	753.10	42	506.74
Hemlock	192,589	432.56	95,080	507.69	4,651	359.62	84,316	366.87	6,705	280.70
Spruce	13,740	412.82	11,857	423.56	245	398.62	766	293.90	233	399.00
Other softwoods	7,933	574.60	5,972	566.63	0	--	1,011	589.20	157	481.70
All softwoods	445,140	469.46	256,035	526.98	79,806	410.36	90,400	382.62	12,210	296.07
Hardwoods	6,147	921.79	2,510	1,144.63	2	3,094.90	1,585	1,051.86	171	1,427.13

Note: Total log exports in this table do not agree with the totals for Washington in Table 21 because the total in this table includes treated poles, posts, and pilings.

^a Blaine, Lynden, Oroville, and Sumas.

Source: U.S. Department of Commerce.

Table 28—Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, 1989

(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	10,957	533.74	10,788	533.68	0	--	169	538.00	0	--
Redcedar	1,090	713.48	296	514.31	0	--	794	787.77	0	--
Hemlock	32,616	437.04	8,069	373.62	0	--	24,546	457.89	0	--
Spruce	563	479.07	553	480.39	0	--	9	400.04	0	--
Other softwoods	620	1,042.26	620	1,042.26	0	--	0	--	0	--
All softwoods	45,845	475.42	20,326	483.92	0	--	25,519	468.65	0	--
Coos Bay:										
Douglas-fir	196,956	638.68	178,250	662.05	16,456	408.95	476	475.67	0	
Port-Orford-cedar	10,660	2,744.46	10,660	2,744.46	0	--	0	--	0	
Redcedar	1,264	507.37	1,130	507.33	0	--	134	507.75	0	
Hemlock	58,871	211.15	15,556	382.77	42,134	137.70	1,181	571.27	0	
Spruce	1,628	942.20	1,524	954.98	80	649.55	0	--	0	--
Other softwoods	698	2,350.86	606	2,561.22	18	656.40	49	1,017.07	0	
All softwoods	270,077	634.24	207,725	754.85	58,687	214.60	1,841	533.87	0	
Hardwoods	415	2,022.03	20	483.54	0	--	0	--	0	
Kalama (Washington):										
Hardwoods	72	825.30	0	--	0	--	72	825.30	0	
Longview (Washington):										
Douglas-fir	291,792	562.29	252,338	584.53	37,021	416.39	0		2,434	475.65
Port-Orford-cedar	96	1,373.20	96	1,373.20	0	--	0	--	0	
Redcedar	1,488	601.59	1,488	601.59	0	--	0		0	
Hemlock	68,573	396.63	54,728	385.84	5,295	441.68	8,550	437.83	0	
Spruce	135	647.94	102	689.84	0	--	33	519.44	0	
Other softwoods	10,428	624.18	10,428	624.18	0	--	0	--	0	
All softwoods	372,511	533.93	319,178	552.11	42,315	419.55	8,583	438.14	2,434	475.65
Hardwoods	195	1,411.53	195	1,411.53	0	--	0	--	0	
Newport:										
Douglas-fir	15,729	470.37	6,885	457.55	8,574	482.64	0		271	407.76
Hemlock	22,618	334.84	3,362	200.12	2,399	273.13	14,583	400.01	2,274	181.19
Spruce	288	274.82	0		288	274.82	0		0	
All softwoods	38,635	389.57	10,247	373.08	11,261	432.69	14,583	400.01	2,545	205.31
Portland:										
Douglas-fir	360,577	572.17	308,101	592.43	46,841	451.25	587	412.93	3,474	502.96
Port-Orford-cedar	1,361	1,807.37	398	1,743.73	37	1,754.22	0	--	926	1,836.82
Redcedar	3,569	541.98	2,187	563.91	0	--	635	507.31	716	507.29
Hemlock	138,437	340.39	61,396	395.73	3,004	603.20	73,760	283.48	278	377.92
Spruce	8,076	418.12	5,001	487.74	2,961	306.43	0	--	114	266.60
Other softwoods	18,154	569.45	17,406	567.19	0	--	0	--	652	576.46
All softwoods	530,174	512.18	394,487	560.37	52,843	452.68	74,981	286.39	6,161	701.72
Hardwoods	3,952	675.00	3,158	685.57	0		71	424.69	450	434.47
Total:										
Douglas-fir	876,011	581.52	756,360	604.14	108,891	435.48	1,232	454.37	6,179	488.03
Port-Orford-cedar	12,116	2,628.38	11,153	2,697.01	37	1,754.22	0	--	926	1,836.82
Redcedar	7,411	573.26	5,100	559.50	0	--	1,563	649.76	716	507.29
Hemlock	321,114	338.13	143,111	384.70	52,831	200.77	122,621	345.79	2,551	202.61
Spruce	10,690	500.20	7,179	589.19	3,329	311.91	42	493.32	114	266.60
Other softwoods	29,900	639.95	29,060	639.35	18	656.40	49	1,017.07	652	576.46
All softwoods	1,257,242	539.73	951,964	596.39	165,106	358.20	125,508	350.95	11,139	538.93
Hardwoods	4,634	828.97	3,373	726.39	0		442	626.24	450	434.47

Source: U.S. Department of Commerce.

Table 29—Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, fourth quarter 1989

(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	2,241	475.71	2,241	475.71	0	--	0	--	0	--
Hemlock	6,884	551.21	1,971	375.96	0	--	4,912	621.53	0	--
Spruce	190	398.47	190	398.47	0	--	0	--	0	--
Other softwoods	587	1,019.58	587	1,019.58	0	--	0	--	0	--
All softwoods	9,901	558.96	4,989	497.34	0	--	4,912	621.53	0	--
Coos Bay:										
Douglas-fir	34,049	671.54	33,421	675.22	0	--	476	475.67	0	--
Port-Orford-cedar	1,301	3,642.35	1,301	3,642.35	0	--	0	--	0	--
Redcedar	357	507.37	223	507.14	0	--	134	507.75	0	--
Hemlock	3,717	505.67	2,536	475.14	0	--	1,181	571.27	0	--
Spruce	776	550.55	751	532.28	0	--	0	--	0	--
Other softwoods	495	3,005.69	420	3,354.02	0	--	49	1,017.07	0	--
All softwoods	40,694	775.98	38,651	787.32	0	--	1,841	553.87	0	--
Longview (Washington):										
Douglas-fir	64,707	569.78	49,946	606.37	14,761	445.95	0	--	0	--
Redcedar	744	521.40	744	521.40	0	--	0	--	0	--
Hemlock	16,549	434.37	9,874	480.56	0	--	6,675	366.06	0	--
Spruce	64	613.11	31	713.48	0	--	33	519.44	0	--
Other softwoods	5,429	565.00	5,429	565.00	0	--	0	--	0	--
All softwoods	87,493	543.49	66,024	583.25	14,761	445.95	6,710	366.81	0	--
Newport:										
Douglas-fir	540	676.28	540	676.28	0	--	0	--	0	--
Hemlock	7,770	426.57	225	463.75	0	--	7,544	425.46	0	--
All softwoods	8,310	442.80	765	613.77	0	--	7,544	425.46	0	--
Portland:										
Douglas-fir	83,814	588.40	68,085	620.07	14,373	442.90	0	--	1,356	540.44
Port-Orford-cedar	509	1,788.90	280	1,743.88	0	--	0	--	229	1,843.99
Redcedar	31	506.88	0		0	--	0	--	0	--
Hemlock	24,268	425.61	11,794	430.96	0	--	12,310	420.37	164	434.05
Spruce	2,008	442.57	1,933	447.36	0	--	0	--	76	320.11
Other softwoods	4,018	653.09	3,730	654.71	0	--	0	--	268	604.01
All softwoods	114,648	558.96	85,822	595.36	14,373	442.90	12,310	420.37	2,093	674.87
Hardwoods	228	1,543.93	182	1,629.32	0	--	0	--	0	--
Total:										
Douglas-fir	185,351	596.06	154,233	625.68	29,134	444.44	476	475.67	1,356	540.44
Port-Orford-cedar	1,810	3,121.00	1,581	3,305.92	0	--	0	--	229	1,843.99
Redcedar	1,133	516.57	967	518.11	0	--	134	507.75	0	--
Hemlock	59,186	447.82	26,400	449.93	0	--	32,622	446.19	164	434.05
Spruce	3,038	470.98	2,904	468.94	0	--	33	519.44	76	320.11
Other softwoods	10,530	738.68	10,167	739.46	0	--	49	1,017.07	268	604.01
All softwoods	261,047	583.91	196,252	626.67	29,134	444.44	33,315	447.78	2,093	674.87
Hardwoods	228	1,543.93	182	1,629.32	0	--	0	--	0	--

Source: U.S. Department of Commerce.

**Table 30—Volume and average value of log exports by port, species, and destination,
San Francisco Customs District, 1989**

(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
Carquinez Strait:										
Douglas-fir	573	767.80	573	767.80	0	--	0	--	0	--
Other softwoods	89	748.98	89	748.98	0	--	0	--	0	--
All softwoods	662	765.28	662	765.28	0	--	0	--	0	--
Eureka:										
Douglas-fir	6,719	867.97	4,184	831.48	0	--	0	--	2,226	939.42
Hemlock	5,909	310.78	243	440.53	4,609	288.98	1,057	376.00	0	--
Spruce	1,676	296.32	0		1,479	282.70	0	--	197	398.60
Other softwoods	8,085	455.07	3,030	545.72	172	283.13	4,410	356.09	101	1,928.24
All softwoods	22,390	529.02	7,457	702.63	6,261	287.34	5,467	359.94	2,524	936.84
Oakland:										
Douglas-fir	576	567.97	2	1,989.17	0	--	174	407.64	0	--
Port-Orford-cedar	1	1,630.80	0	--	1	1,630.80	0	--	0	--
Other softwoods	3,504	526.47	352	776.39	0	--	130	578.45	193	511.02
All softwoods	4,081	532.63	354	783.19	1	1,630.80	304	480.58	193	511.02
Hardwoods	4,349	1,720.33	2,140	1,710.23	0	--	244	1,453.06	42	994.56
Sacramento:										
Douglas-fir	9,695	489.07	6,751	476.33	2,944	518.28	0	--	0	--
Redcedar	1,594	1,611.62	1,594	1,611.62	0	--	0	--	0	--
Hemlock	55	375.97	55	375.97	0	--	0	--	0	--
Other softwoods	14,388	771.82	12,928	812.78	149	466.57	1,311	402.65	0	--
All softwoods	25,732	716.45	21,327	764.85	3,094	515.78	1,311	402.65	0	--
San Francisco:										
Douglas-fir	3,577	631.56	3,567	631.52	0	--	0	--	0	--
Hemlock	48	376.07	48	376.07	0	--	0	--	0	--
Spruce	156	398.46	156	398.46	0	--	0	--	0	--
Other softwoods	2,543	831.76	2,521	833.94	0	--	0	--	22	583.37
All softwoods	6,323	704.36	6,292	704.87	0	--	0	--	22	583.37
Hardwoods	85	1,307.00	78	1,344.31	0	--	0	--	0	--
Stockton:										
Douglas-fir	573	767.80	573	767.80	0	--	0	--	0	--
Other softwoods	14,631	513.93	14,631	513.93	0	--	0	--	0	--
All softwoods	15,204	523.50	15,204	523.50	0	--	0	--	0	--
Total:										
Douglas-fir	21,713	646.61	15,651	628.17	2,944	518.28	174	407.64	2,226	939.42
Port-Orford-cedar	1	1,630.80	0	--	1	1,630.80	0	--	0	--
Redcedar	1,594	1,611.62	1,594	1,611.62	0	--	0	--	0	--
Hemlock	6,012	311.89	346	421.34	4,609	288.98	1,057	376.00	0	--
Spruce	1,832	305.01	156	398.46	1,479	282.70	0	--	197	398.60
Other softwoods	43,240	608.91	33,550	659.37	322	368.36	5,851	371.48	316	069.34
All softwoods	74,391	609.93	51,296	677.04	9,355	363.04	7,082	373.03	2,739	903.99
Hardwoods	4,434	1,712.38	2,218	1,697.37	0	--	244	1,453.06	42	994.56

Source: U.S. Department of Commerce.

**Table 31—Volume and average value of log exports by port, species, and destination,
San Francisco Customs District, fourth quarter 1989**

(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	2,226	939.42	0	--	0	--	0	--	2,226	939.42
Hemlock	1,071	375.98	14	374.60	0	--	1,057	376.00	0	--
Spruce	197	398.60	0	--	0	--	0	--	197	398.60
Other softwoods	5,025	455.54	514	1,019.22	0	--	4,410	356.09	101	1,928.24
All softwoods	8,519	570.64	528	1,001.71	0	--	5,467	359.94	2,524	936.84
Oakland:										
Douglas-fir	73	717.75	0	--	0	--	0	--	0	--
Other softwoods	511	487.60	49	467.26	0	--	12	1,025.66	8	1,032.84
All softwoods	584	516.39	49	467.26	0	--	12	1,025.66	8	1,032.84
Hardwoods	1,169	1,867.75	488	1,602.14	0	--	80	1,069.26	14	906.59
Sacramento:										
Douglas-fir	3,157	475.75	3,157	475.75	0	--	0	--	0	--
Redcedar	234	3,285.22	234	3,285.22	0	--	0	--	0	--
Other softwoods	3,702	682.96	2,241	861.38	149	466.57	1,311	402.65	0	--
All softwoods	7,092	676.51	5,631	745.84	149	466.57	1,311	402.65	0	--
San Francisco:										
Douglas-fir	28	475.29	28	475.29	0	--	0	--	0	--
Other softwoods	70	564.48	55	616.04	0	--	0	--	15	378.26
All softwoods	98	538.85	83	568.05	0	--	0	--	15	378.26
Hardwoods	38	906.00	38	906.00	0	--	0	--	0	--
Stockton:										
Other softwoods	11,413	515.19	11,413	515.19	0	--	0	--	0	--
Total:										
Douglas-fir	5,483	667.17	3,185	475.74	0	--	0	--	2,226	939.42
Redcedar	234	3,285.22	234	3,285.22	0	--	0	--	0	--
Hemlock	1,071	375.98	14	374.60	0	--	1,057	376.00	0	--
Spruce	197	398.60	0	--	0	--	0	--	197	398.60
Other softwoods	20,721	530.18	14,272	587.92	149	466.57	5,733	368.11	124	1,685.66
All softwoods	27,706	573.64	17,705	603.19	149	466.57	6,790	369.34	2,546	933.83
Hardwoods	1,207	1,837.83	526	1,552.43	0	--	80	1,069.26	14	906.59

Source: U.S. Department of Commerce.

**Table 32—Volume and average value of log exports by port, species, and destination,
Anchorage Customs District, 1989**

(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:										
Port-Orford-cedar	89	1,744.79	89	1,744.79	0	—	0	—	0	—
Hemlock	31,865	453.62	19,920	534.03	0	—	11,945	319.52	0	—
Spruce	84,429	574.71	68,240	607.99	6,998	271.37	8,448	517.49	744	1,024.95
Other softwoods	1,729	472.33	1,729	472.33	0	—	0	—	0	—
All softwoods	118,111	541.42	89,976	590.13	6,998	271.37	20,393	401.53	744	1,024.95
Hardwoods	62	226.50	62	226.50	0	—	0	—	0	—
Dalton Cache:										
Redcedar	72	507.03	72	507.03	0	—	0	—	0	—
Hemlock	1,042	315.87	1,042	315.87	0	—	0	—	0	—
Spruce	4,618	389.20	4,618	389.20	0	—	0	—	0	—
Other softwoods	1,527	466.57	1,527	466.57	0	—	0	—	0	—
All softwoods	7,260	396.12	7,260	396.12	0	—	0	—	0	—
Juneau:										
Hemlock	26,310	429.30	12,840	567.25	0	—	8,623	269.28	0	—
spruce	16,140	471.04	15,375	471.13	0	—	433	398.58	0	—
Other softwoods	1,649	466.56	1,649	466.56	0	—	0	—	0	—
All softwoods	44,100	445.97	29,865	512.20	0	—	9,055	275.45	0	—
Ketchikan:										
Redcedar	69,476	400.55	21,038	465.19	0	—	30,910	452.52	15,068	191.93
Hemlock	218,470	428.82	166,067	465.46	0	—	33,689	302.26	14,924	308.03
Spruce	143,417	671.52	137,327	678.99	0	—	933	882.14	3,573	316.21
Other softwoods	32,059	603.72	31,628	603.88	0	—	80	466.14	0	—
All softwoods	463,422	511.79	356,060	560.09	0	—	65,611	381.49	33,565	256.78
Hardwoods	3	912.47	3	912.47	0	—	0	—	0	—
Valdez:										
Spruce	879	398.63	879	398.63	0	—	0	—	0	—
Wrangell:										
Redcedar	4,429	468.82	286	507.40	0	—	4,142	466.16	0	—
Hemlock	1,275	469.73	1,275	469.73	0	—	0	—	0	—
Spruce	1,635	813.15	1,635	813.15	0	—	0	—	0	—
Other softwoods	1,951	539.22	1,951	539.22	0	—	0	—	0	—
All softwoods	9,290	544.32	5,148	607.23	0	—	4,142	466.16	0	—
Total:										
Port-Orford-cedar	89	1,744.79	89	1,744.79	0	—	0	—	0	—
Redcedar	73,976	404.75	21,396	465.89	0	—	35,052	454.31	15,068	191.93
Hemlock	278,963	439.46	201,145	478.00	0	—	54,257	300.82	14,924	308.03
Spruce	251,118	620.86	228,074	637.74	6,998	271.37	9,813	546.90	4,317	438.35
Other softwoods	38,916	583.46	38,484	583.36	0	—	80	466.14	0	—
All softwoods	643,061	511.73	489,188	560.47	6,998	271.37	99,202	379.47	34,309	273.43
Hardwoods	65	259.17	65	259.17	0	—	0	—	0	—

Source: U.S. Department of Commerce.

Table 33—Volume and average value of log exports by port, species, and destination, Anchorage Customs District, fourth quarter 1989

(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	9,387	570.54	7,323	579.47	0	--	2,064	538.84	0	--
Spruce	25,151	679.39	23,844	694.77	0	--	1,307	398.69	0	--
All softwoods	34,538	649.80	31,168	667.68	0	--	3,371	484.51	0	--
Dalton Cache:										
Spruce	954	398.61	954	398.61	0	--	0	--	0	--
Juneau:										
Hemlock	7,109	495.53	3,389	671.88	0	--	1,854	308.61	0	--
Spruce	2,217	681.99	2,004	712.16	0	--	0	--	0	--
All softwoods	9,326	539.87	5,393	686.85	0	--	1,854	308.61	0	--
Ketchikan:										
Redcedar	17,657	386.95	6,557	493.79	0	--	4,845	490.17	6,256	195.02
Hemlock	59,301	468.77	43,663	505.23	0	--	10,902	346.44	2,929	376.02
Spruce	38,225	657.65	35,515	651.19	0	--	901	898.96	843	398.62
Other softwoods	8,913	512.73	8,742	507.45	0	--	80	466.14	0	--
All softwoods	124,096	518.46	94,476	559.51	0	--	16,728	418.40	10,027	265.00
Wrangell:										
Hemlock	761	376.01	761	376.01	0	--	0	--	0	--
Spruce	408	1,432.90	408	1,432.90	0	--	0	--	0	--
All softwoods	1,169	744.60	1,169	744.60	0	--	0	--	0	--
Total:										
Redcedar	17,657	386.95	6,557	493.79	0	--	4,845	490.17	6,256	195.02
Hemlock	76,558	482.81	55,136	523.55	0	--	14,821	368.50	2,929	376.02
Spruce	66,955	667.65	62,725	670.94	0	--	2,208	602.88	843	398.62
Other softwoods	8,913	512.73	8,742	507.45	0	--	80	466.14	0	--
All softwoods	170,083	547.19	133,160	590.46	0	--	21,953	419.28	10,027	265.00

Source: U.S. Department of Commerce.

Table 34—Volume and average value of hardwood log exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1978-89

(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								
1978	2,362	927.37	75	1,219.81	11	1,750.00	1,772	2,307.28
1979	2,597	853.39	341	1,233.84	107	638.57	1,272	2,512.18
1980	6,826	755.01	2,026	377.35	186	241.72	980	2,082.79
1981	3,416	928.92	439	1,071.46	0	--	683	2,189.77
1982	3,788	764.20	335	649.14	0	--	623	947.33
1983	4,442	592.01	374	456.83	0	--	241	2,153.28
1984	5,918	635.80	537	1,900.04	0	--	302	1,399.62
1985	4,024	951.03	1,090	1,178.25	0	--	234	1,131.39
1986	7,603	1,105.20	1,713	753.66	31	419.35	282	836.66
1987	15,714	774.94	2,121	683.11	82	552.67	2,172	728.32
1988:								
1st quarter	8,558	686.38	879	560.86	0	--	346	616.20
2d quarter	10,178	647.87	1,024	734.38	91	461.54	284	805.73
3d quarter	5,219	733.67	488	887.30	329	565.35	489	996.36
4th quarter	8,147	591.26	509	544.20	49	551.02	549	
1988 total	32,102	657.72	2,900	674.14	469	543.71	1,668	820.14
1989:								
1st quarter	13,085	690.41	2,126	493.89	3	1,000.00	1,112	1,525.18
2d quarter	12,572	845.53	1,508	802.39	62	225.81	1,455	1,762.89
3d quarter	5,197	1,072.16	738	1,632.79	0	--	661	1,685.33
4th quarter	5,865	917.14	228	1,539.47	0	--	1,207	1,837.61
1989 total	36,719	833.74	4,600	829.78	65	261.54	4,435	1,712.06
TO JAPAN								
1978	1,178	695.53	57	1,474.12	0	--	1,248	2,451.29
1979	1,824	632.48	300	1,119.06	43	162.79	1,059	2,208.77
1980	4,786	411.46	1,964	370.11	182	231.87	579	2,646.80
1981	2,037	1,061.60	229	1,153.54	0	--	310	2,396.77
1982	1,465	827.36	35	1,842.97	0	--	417	2,187.03
1983	1,256	731.22	229	356.40	0	--	61	1,627.05
1984	3,260	390.31	398	1,903.16	0	--	218	1,988.82
1985	968	1,038.10	438	1,854.32	0	--	90	1,699.82
1986	2,633	1,150.47	1,569	777.64	0	--	32	1,674.06
1987	2,976	952.26	843	845.68	29	716.69	262	895.42
1988:								
1st quarter	4,226	698.77	322	670.81	0	--	240	704.17
2d quarter	3,622	481.23	725	871.72	31	903.23	186	661.29
3d quarter	1,590	576.10	392	732.14	0	--	438	680.37
4th quarter	3,646	492.59	393	396.95	0	--	503	1,059.64
1988 total	13,084	566.19	1,832	704.69	31	903.23	1,367	821.51
1989:								
1st quarter	5,885	715.72	1,576	517.13	3	1,000.00	509	1,284.87
2d quarter	3,389	1,122.75	1,298	819.72	0	--	736	2,012.23
3d quarter	1,889	1,104.29	283	883.39	62	225.81	446	1,822.87
4th quarter	2,242	1,159.68	182	1,626.37	0	--	526	1,551.33
1989 total	13,405	947.71	3,339	726.56	65	261.54	2,217	1,697.79
TO PEOPLE'S REPUBLIC OF CHINA								
1980	6	466.67	0	--	0	--	0	--
1981	0	--	0	--	0	--	0	--
1982	45	1,000.00	0	--	0	--	0	--
1983	0	--	100	225.00	0	--	0	--
1984	0	--	0	--	0	--	0	--
1985	0	--	59	253.61	0	--	0	--
1986	7	2,271.43	0	--	0	--	0	--
1987	0	--	1,000	390.00	0	--	0	--
1988:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1988 total	0	--	0	--	0	--	0	--
1989:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	4	500.00	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter	2	3,500.00	0	--	0	--	0	--
1989 total	6	1,500.00	0	--	0	--	0	--

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) 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. 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.

Table 35--Volume and average value of log exports from southern California ports by species, 1978-89

(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
1978	1,890	1,047.62	172	279.07	917	320.61	801	2,044.94
1979	2,117	1,315.07	290	368.97	359	835.65	1,468	1,619.89
1980	1,149	1,117.49	295	467.80	610	1,170.49	244	1,770.49
1981	738	1,550.14	88	397.73	186	392.47	464	2,232.76
1982	797	930.99	281	352.31	211	691.94	305	1,632.79
1983	674	424.33	0	--	31	451.61	643	578.54
1984	2,618	364.02	4	500.00	624	285.26	1,990	388.44
1985	1,992	384.54	9	444.44	779	281.13	1,204	451.00
1986	5,772	402.81	75	213.33	2,151	265.92	3,546	489.85
1987	7,542	602.76	1,480	381.08	2,554	386.45	3,508	853.76
1988:								
1st quarter	2,332	743.57	0	--	622	342.44	1,710	889.47
2d quarter	3,284	713.76	34	470.59	818	297.07	2,432	857.32
3d quarter	5,200	620.96	671	427.72	1,475	344.41	3,054	796.99
4th quarter	3,626	673.47	76	473.68	992	279.23	2,558	832.29
1988 total	14,442	675.05	781	432.78	3,907	317.64	9,754	837.50
1989:								
1st quarter	4,754	902.68	33	454.55	1,244	483.92	3,477	1,056.78
2d quarter	3,637	908.72	95	515.79	1,357	539.43	2,185	1,155.15
3d quarter	2,470	994.74	112	508.93	675	687.41	1,683	1,150.33
4th quarter	2,685	991.81	0		986	513.18	1,699	1,269.57
1989 total	13,546	929.65	240	504.17	4,262	540.59	9,044	1,138.01

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 36—Volume and average value of softwood log exports to Canada from the Great Falls Customs District, 1978-89^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
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0		3,906	168.47
1980	699	239.88	36	303.53	663	236.42
1981	477	362.68	123	475.06	354	323.64
1982	418	285.81	16	203.81	402	289.07
1983	625	262.78	0	--	614	259.23
1984	714	262.77	34	476.85	74	250.50
1985	475	267.38	49	336.90	426	259.38
1986	105	281.20	17	484.53	88	241.92
1987	98	255.10	27	241.78	71	259.59
1988:						
1st quarter	26	230.77	0		26	230.77
2d quarter	2	1,000.00	0		2	1,000.00
3d quarter	19	473.68	19	473.68	0	
4th quarter	31	451.61	31	451.61	0	
1988 total and average value	78	410.26	50	460.00	28	321.43
1989:						
1st quarter	67	417.91	55	400.00	12	500.00
2d quarter	102	323.53	0	--	102	323.53
3d quarter	117	487.18	0	--	117	487.18
4th quarter	402	348.26	0	--	402	348.26
1989 total and average value	688	375.00	55	400.00	633	372.83

^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 37—Volume of log exports from British Columbia ports by species and destination, 1978-89^a

(In thousand board feet, British Columbia **log** scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
TO ALL COUNTRIES							
1978	128,853	8,592	24,467	45,143	49,767	530	354
1979	169,107	2,431	56,504	56,954	43,201	4,135	5,882
1980	231,784	8,907	106,193	49,590	36,756	12,155	18,183
1981	184,481	856	98,579	24,616	37,774	18,943	3,713
1982	252,892	48,192	75,731	38,005	40,446	37,087	13,431
1983	481,377	124,489	179,137	22,565	54,900	52,679	47,607
1984	b 705,487	132,718	382,809	41,112	80,871	54,293	b 13,684
1985	532,955	29,892	264,322	31,625	81,719	114,189	11,208
1986	569,372	3,953	299,775	6,845	119,476	118,843	20,480
1987	750,438	7,093	383,776	7,108	129,074	190,094	33,293
1988	NA	NA	NA	NA	NA	NA	29,303
1989:							
1st quarter	NA	NA	NA	NA	NA	NA	3,260
2d quarter	NA	NA	NA	NA	NA	NA	8,052
3d quarter	NA	NA	NA	NA	NA	NA	2,891
4th quarter	NA	NA	NA	NA	NA	NA	1,529
1989 total	NA	NA	NA	NA	NA	NA	15,732
TO JAPAN							
1978	90,001	4,094	16,890	24,038	44,814	99	66
1979	120,297	1,894	49,281	27,597	35,883	3,636	2,056
1980	154,824	1,692	61,500	35,346	36,157	6,939	13,190
1981	131,321	698	71,645	17,427	31,541	10,010	0
1982	130,457	8,205	51,603	23,459	29,806	16,758	626
1983	241,211	55,266	103,641	20,320	39,997	21,716	271
1984	b 406,680	88,349	174,230	29,619	69,434	39,208	b 5,840
1985	321,464	12,573	164,618	13,431	54,897	75,021	924
1986	398,124	475	216,119	3,741	96,488	79,779	1,522
1987	553,785	6,135	291,356	6,283	105,503	140,699	3,809
1988	NA	NA	NA	NA	NA	NA	8,802
1989:							
1st quarter	NA	NA	NA	NA	NA	NA	1,085
2d quarter	NA	NA	NA	NA	NA	NA	1,601
3d quarter	NA	NA	NA	NA	NA	NA	583
4th quarter	NA	NA	NA	NA	NA	NA	15
1989 total	NA	NA	NA	NA	NA	NA	3,284

Table 37—Volume of log exports from British Columbia ports by species and destination, 1978-89^a (continued)

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
TO UNITED STATES							
1978	32,843	4,498	6,039	19,144	2,443	431	288
1979	48,810	537	7,223	29,357	7,368	499	3,826
1980	76,955	7,215	44,693	14,244	594	5,216	4,993
1981	50,324	158	26,934	7,189	4,340	8,879	2,824
1982	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983	112,505	11,310	59,440	961	11,777	25,649	3,368
1984	^b 110,263	8,167	73,102	6,867	8,426	8,752	^b 4,979
1985	95,515	1,004	30,073	12,961	23,988	25,124	2,365
1986	55,765	255	27,750	1,852	8,759	15,153	1,996
1987	51,065	0	24,216	758	7,663	15,937	2,491
1988	NA	NA	NA	NA	NA	NA	5,362
1989:							
1st quarter	NA	NA	NA	NA	NA	NA	377
2d quarter	NA	NA	NA	NA	NA	NA	0
3d quarter	NA	NA	NA	NA	NA	NA	0
4th quarter	NA	NA	NA	NA	NA	NA	0
1989 total	NA	NA	NA	NA	NA	NA	377
TO PEOPLE'S REPUBLIC OF CHINA							
1982	46,689	38,463	0	0	3,787	0	8,911
1983	110,354	57,913	0	0	3,096	5,286	44,059
1984	^b 171,705	35,869	122,460	0	3,001	6,333	^b 4,102
1985	90,273	16,259	58,288	768	2,224	13,377	7,357
1986	80,613	3,133	38,842	5	8,942	14,061	15,630
1987	85,470	260	31,451	0	3,005	25,170	25,584
1988	NA	NA	NA	NA	NA	NA	10,836
1989:							
1st quarter	NA	NA	NA	NA	NA	NA	0
2d quarter	NA	NA	NA	NA	NA	NA	2,519
3d quarter	NA	NA	NA	NA	NA	NA	0
4th quarter	NA	NA	NA	NA	NA	NA	0
1989 total	NA	NA	NA	NA	NA	NA	2,519

NA = not available.

^a Does not include shipments of pulpwood logs.

^b Does not include all hardwoods.

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

Table 38—Average value of log exports from British Columbia ports by species and destination, 1985-89^a

(In dollars per thousand board feet, Canadian dollars)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
TO ALL COUNTRIES							
1985	296.64	335.08	272.25	367.51	333.84	307.88	183.65
1986	315.94	272.45	293.29	350.34	383.37	323.05	209.84
1987	411.43	402.14	394.49	1,154.26	473.53	412.21	204.85
1988	NA	NA	NA	NA	NA	NA	219.70
1989:							
1st quarter	NA	NA	NA	NA	NA	NA	260.44
2d quarter	NA	NA	NA	NA	NA	NA	248.63
3d quarter	NA	NA	NA	NA	NA	NA	589.07
4th quarter	NA	NA	NA	NA	NA	NA	506.31
1989 total	NA	NA	NA	NA	NA	NA	338.67
TO JAPAN							
1985	330.47	400.65	290.43	346.46	409.90	346.30	274.18
1986	357.35	406.42	326.85	434.02	407.33	376.84	294.77
1987	472.72	433.40	441.43	1,168.66	521.12	476.05	317.68
1988	NA	NA	NA	NA	NA	NA	245.97
1989:							
1st quarter	NA	NA	NA	NA	NA	NA	207.38
2d quarter	NA	NA	NA	NA	NA	NA	286.70
3d quarter	NA	NA	NA	NA	NA	NA	917.67
4th quarter	NA	NA	NA	NA	NA	NA	2,398.96
1989 total	NA	NA	NA	NA	NA	NA	382.16
TO UNITED STATES							
1985	210.20	337.89	162.83	404.41	164.29	210.41	157.27
1986	180.66	182.59	148.48	202.62	285.73	177.65	169.25
1987	290.76		286.10	1,046.32	366.34	250.65	130.17
1988	NA	NA	NA	NA	NA	NA	188.55
1989:							
1st quarter	NA	NA	NA	NA	NA	NA	164.34
2d quarter	NA	NA	NA	NA	NA	NA	
3d quarter	NA	NA	NA	NA	NA	NA	
4th quarter	NA	NA	NA	NA	NA	NA	
1989 total	NA	NA	NA	NA	NA	NA	164.34
TO PEOPLE'S REPUBLIC OF CHINA							
1985	269.84	284.39	275.99	377.60	278.19	277.21	161.75
1986	247.97	252.36	251.35	252.20	285.44	272.81	194.88
1987	233.56	234.50	267.08		229.42	232.40	193.96
1988	NA	NA	NA	NA	NA	NA	190.01
1989:							
1st quarter	NA	NA	NA	NA	NA	NA	
2d quarter	NA	NA	NA	NA	NA	NA	195.32
3d quarter	NA	NA	NA	NA	NA	NA	
4th quarter	NA	NA	NA	NA	NA	NA	--
1989 total	NA	NA	NA	NA	NA	NA	195.32

NA = not available.

^a Does not include shipments of pulpwood logs.

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

Table 39--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1978-89

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

Year and quarter	Volume	Average value
1978	41,307	271.29
1979	75,855	298.89
1980	51,828	233.08
1981	33,985	319.77
1982	59,492	313.27
1983	76,674	225.58
1984	65,067	135.12
1985	48,654	275.97
1986	27,864	155.47
1987	52,188	244.51
1988:		
1st quarter	10,515	196.39
2d quarter	13,111	320.57
3d quarter	8,580	413.87
4th quarter	8,316	282.35
1988 total and average value	40,522	300.31
1989:		
1st quarter	2,298	389.98
2d quarter	2,612	494.64
3d quarter	601	529.12
4th quarter	286	772.73
1989 total and average value	5,797	470.59

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 40—Volume and average value of pulpwood imports from Canada into the Seattle Customs District, 1978-89

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Average value	Volume	Average value
	<u>Short tons^a</u>	<u>Dollars</u>	<u>Cords^b</u>	<u>Dollars</u>
1978	1,215,483	16.37	0	--
1979	1,039,458	17.19	0	--
1980	1,185,701	26.77	57,337	66.64
1981	1,160,507	32.33	23,084	130.11
1982	1,247,813	32.15	8,320	139.24
1983	1,427,490	24.32	0	--
1984	1,503,698	22.66	0	--
1985	727,446	27.48	0	--
1986	701,586	25.91	85	124.73
1987	465,858	29.88	8,320	146.34
1988:				
1st quarter	217,918	28.31	4,950	116.77
2d quarter	160,538	44.01	6,440	182.61
3d quarter	206,984	45.94	9,509	109.79
4th quarter	224,307	40.15	0	--
1988 total and average value	809,747	40.12	20,899	133.88
1989:				
1st quarter	265,022	36.28	15,473	84.15
2d quarter	175,394	34.26	2,642	63.97
3d quarter	172,362	32.62	11	545.45
4th quarter	140,461	29.74	7,904	63.89
1989 total and average value	753,239	33.75	26,030	76.14

^a Dty-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 41--Volume and average value of chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1978-89

(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
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983	247,935	74.24	1,668,971	68.17	350,587	66.82	6,645	34.67
1984	216,089	76.89	1,632,815	70.96	331,257	71.41	16,525	46.51
1985	276,054	76.16	1,626,490	74.22	302,147	71.31	0	--
1986	446,226	73.97	1,577,739	72.02	256,981	71.77	0	
1987	464,426	79.06	1,852,920	72.75	208,247	75.49	252	45.52
1988:								
1st quarter	159,794	86.24	393,460	72.31	68,689	79.71	208	48.08
2d quarter	177,621	87.99	579,809	77.90	48,999	70.00	0	
3d quarter	168,256	97.59	467,338	82.09	95,013	88.97	11,297	48.69
4th quarter	176,140	85.24	575,381	78.88	69,796	84.93	0	
1988 total and average value	681,811	89.24	2,015,988	78.06'	282,497	82.43	11,505	48.67
1989:								
1st quarter	198,897	75.53	534,996	72.16	99,431	65.14	14,034	49.88
2d quarter	206,821	96.11	577,542	94.01	94,111	88.85	48,066	34.74
3d quarter	236,547	72.52	602,796	109.63	94,898	109.23	23,766	52.60
4th quarter	158,298	102.05	537,038	109.64	50,719	86.68	0	
1989 total and average value	800,563	85.20	2,252,282	96.73	339,158	87.28	85,866	42.16

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

Table 42—Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89^a

(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												
1978	585,588	374,032	135,156	76,400	310,100	128,895	118,094	63,111	275,488	245,137	17,062	13,289
1979	839,995	427,063	280,067	132,765	413,673	98,685	211,030	103,858	426,322	328,378	69,031	28,907
1980	984,882	449,123	338,487	197,272	521,728	106,671	270,706	144,351	463,154	342,452	67,781	52,921
1981	933,739	451,075	268,024	214,640	467,886	139,070	173,000	155,816	465,853	312,005	95,024	58,824
1982	888,401	419,263	306,901	162,237	472,956	117,049	237,174	118,733	415,445	302,214	69,727	43,504
1983	1,022,055	512,979	295,409	213,667	552,677	152,294	223,292	177,091	469,378	360,685	72,117	36,576
1984	949,509	496,419	257,628	195,462	423,477	121,404	161,660	140,413	526,032	375,015	95,968	55,049
1985	905,936	426,536	302,144	177,256	424,322	105,742	184,465	134,115	481,614	320,794	117,679	43,141
1986	1,151,529	464,348	452,610	234,571	747,311	193,338	355,464	198,509	404,218	271,010	97,146	36,062
1987	1,452,869	595,489	567,078	290,302	918,120	234,268	458,223	225,629	534,749	361,221	108,855	64,673
1988:												
1st qtr.	405,079	150,643	148,789	105,647	258,774	66,837	107,143	84,794	146,305	83,806	41,646	20,853
2d qtr.	444,093	197,664	145,623	100,806	275,653	93,284	113,027	69,342	168,440	104,380	32,596	31,464
3d qtr.	489,761	229,172	147,021	113,568	255,317	83,623	100,707	70,987	234,444	145,549	46,314	42,581
4th qtr.	478,220	215,189	146,642	116,389	256,816	86,008	104,851	65,957	221,404	129,181	41,791	50,432
1988 total	1,817,153	792,668	588,075	436,410	1,046,560	329,752	425,728	291,080	770,593	462,916	162,347	145,330
1989:												
1st qtr.	477,020	233,021	134,448	109,551	255,599	83,386	92,984	79,228	221,421	149,635	41,464	30,323
2d qtr.	524,120	248,583	151,017	124,521	254,709	84,305	100,014	70,389	269,411	164,278	51,002	54,132
3d qtr.	459,921	215,221	130,662	114,038	236,444	75,309	87,934	73,201	223,477	139,912	42,728	40,837
4th qtr.	576,183	342,911	120,311	112,961	348,780	198,289	85,386	65,105	227,403	144,622	34,925	47,856
1989 total	2,037,244	1,039,736	536,438	461,071	1,095,532	441,289	366,319	287,923	941,712	598,447	170,119	173,148
TO JAPAN												
1978	163,233	36,429	108,610	18,194	141,963	25,609	103,056	13,289	21,270	10,820	5,554	4,896
1979	355,840	75,567	227,702	52,571	258,444	45,549	177,239	35,656	97,396	30,018	50,463	16,915
1980	362,458	53,084	249,729	59,645	269,406	26,428	199,237	43,741	93,052	26,656	50,492	15,904
1981	312,232	55,479	206,837	49,916	189,547	25,966	128,307	35,274	122,685	29,513	78,530	14,642
1982	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983	448,042	113,869	254,524	79,649	315,750	57,802	191,152	66,796	132,292	56,067	63,372	12,853
1984	414,272	99,847	229,242	85,183	246,218	45,966	141,411	58,841	168,054	53,881	87,831	26,342
1985	472,120	97,528	281,675	92,917	266,871	30,930	172,205	63,736	205,249	66,598	109,470	29,181
1986	672,409	129,385	424,528	118,496	497,508	78,111	329,745	89,652	174,901	51,274	94,783	28,844
1987	850,983	182,183	515,910	152,890	679,225	136,993	427,089	115,143	171,758	45,190	88,821	37,747
1988:												
1st qtr.	243,477	53,482	131,918	58,077	170,154	32,582	94,326	43,246	73,323	20,900	37,592	14,831
2d qtr.	246,254	70,008	128,070	48,168	105,099	52,612	96,300	36,179	61,155	17,396	31,770	17,909
3d qtr.	267,965	77,549	131,939	58,477	166,459	38,853	87,826	39,780	101,586	38,696	44,113	18,697
4th qtr.	272,968	83,768	134,704	54,496	174,072	43,315	94,097	36,660	98,896	40,453	40,607	17,836
1988 total	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:												
1st qtr.	278,310	89,764	125,408	63,138	172,721	46,979	85,282	40,460	105,589	42,785	40,126	22,678
2d qtr.	296,594	106,377	136,573	53,644	179,405	50,038	90,025	39,342	117,189	56,339	46,548	14,303
3d qtr.	259,647	78,695	121,923	59,029	160,765	38,393	81,400	40,972	98,882	40,302	40,523	18,057
4th qtr.	348,896	194,314	108,374	46,208	272,288	164,410	75,182	32,696	76,608	29,904	33,192	13,512
1989 total	1,183,447	469,150	492,278	222,019	785,179	299,820	331,889	153,470	398,268	169,330	160,389	68,550

Table 42—Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89^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												
1978	117,969	69,852	9,241	38,876	117,930	69,813	9,241	38,876	39	39	0	0
1979	113,977	38,917	18,870	56,190	113,977	38,917	18,870	56,190	0	0	0	0
1980	159,658	54,876	26,325	78,457	159,658	54,876	26,325	78,457	0	0	0	0
1981	213,594	91,861	20,598	101,135	213,594	91,861	20,598	101,135	0	0	0	0
1982	120,189	50,773	11,127	58,289	120,189	50,773	11,127	58,289	0	0	0	0
1983	170,763	72,133	9,733	88,897	170,763	72,133	9,733	88,897	0	0	0	0
1984	109,979	45,625	7,559	56,795	109,979	45,625	7,559	56,795	0	0	0	0
1985	118,951	52,845	6,127	59,979	118,936	52,830	6,127	59,979	15	15	0	0
1986	151,009	59,174	9,948	81,887	151,009	59,174	9,948	81,887	0	0	0	0
1987	153,809	55,492	11,112	87,205	153,809	55,492	11,112	87,205	0	0	0	0
1988:												
1st qtr.	53,070	21,898	5,396	25,776	53,070	21,898	5,396	25,776	0	0	0	0
2d qtr.	50,644	20,762	6,508	23,374	50,644	20,762	6,508	23,374	0	0	0	0
3d qtr.	44,012	19,115	3,881	21,016	44,012	19,115	3,881	21,016	0	0	0	0
4th qtr.	48,358	24,520	4,015	19,823	48,358	24,520	4,015	19,823	0	0	0	0
1988 total	196,084	86,295	19,800	89,989	196,084	86,295	19,800	89,989	0	0	0	0
1989:												
1st qtr.	52,743	22,317	3,919	26,507	52,743	22,317	3,919	26,507	0	0	0	0
2d qtr.	51,400	24,453	6,068	20,079	51,400	24,453	6,068	20,079	0	0	0	0
3d qtr.	53,204	27,980	3,879	21,345	53,204	27,980	3,879	21,345	0	0	0	0
4th qtr.	53,631	27,469	4,207	21,955	53,631	27,469	4,207	21,955	0	0	0	0
1989 total	210,978	102,218	18,073	90,686	210,978	102,218	18,073	90,686	0	0	0	0
TO PEOPLE'S REPUBLIC OF CHINA												
1981	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	0
1982	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	0
1983	7,402	7,402	0	0	0	0	0	0	7,402	7,402	0	0
1984	43,564	34,208	6	9,350	0	0	0	0	43,564	34,208	6	9,350
1985	17,490	13,998	2,808	684	89	0	0	89	17,401	13,998	2,808	595
1986	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78
1987	9,267	8,834	0	433	631	198	0	433	8,636	8,636	0	0
1988:												
1st qtr.	118	0	118	0	118	0	118	0	0	0	0	0
2d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.	4,823	0	0	4,823	0	0	0	0	4,823	0	0	4,823
1988 total	4,941	0	118	4,823	118	0	118	0	4,823	0	0	4,823
1989:												
1st qtr.	91	27	17	47	64	0	17	47	27	27	0	0
2d qtr.	232	0	232	0	200	0	200	0	32	0	32	0
3d qtr.	9,262	27	33	9,202	217	0	0	217	9,045	27	33	8,985
4th qtr.	105	10	31	64	74	10	0	64	31	0	31	0
1989 total	9,690	64	313	9,313	555	10	217	328	9,135	54	97	8,985

^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 43—Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89^a

(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												
1978	212,155	150,940	36,021	25,194	89,987	39,933	31,495	18,558	122,168	111,007	4,526	6,636
1979	435,366	272,971	105,592	56,803	166,095	46,566	78,413	41,117	269,271	226,405	27,180	15,686
1980	429,549	251,940	108,257	69,351	169,364	38,529	84,048	46,788	260,185	213,411	24,210	22,564
1981	361,416	196,961	91,882	72,572	155,626	50,182	55,846	49,598	205,789	146,779	36,037	22,974
1982	323,061	175,211	89,511	58,339	142,366	36,056	69,144	37,166	180,696	139,156	20,367	21,173
1983	363,007	206,037	90,489	66,481	166,499	45,242	70,845	50,411	196,509	160,795	19,644	16,070
1984	330,970	190,732	74,134	66,104	132,977	39,207	49,225	44,545	197,993	151,525	24,909	21,560
1985	303,107	158,986	89,107	55,014	130,839	34,168	57,877	38,794	172,269	124,818	31,231	16,220
1986	413,932	191,641	143,117	79,174	245,884	67,314	114,053	64,517	168,048	124,327	29,064	14,656
1987	560,924	265,942	195,170	99,812	317,034	86,862	157,523	72,649	243,890	179,080	37,647	27,163
1988:												
1st qtr.	153,373	68,360	52,022	32,991	86,276	23,977	36,831	25,468	67,097	44,383	15,191	7,523
2d qtr.	174,877	89,863	51,963	33,051	96,907	34,303	39,471	23,133	77,970	55,560	12,492	9,918
3d qtr.	188,910	99,103	52,959	36,848	90,269	31,068	35,164	24,037	98,641	68,035	17,795	12,811
4th qtr.	180,355	91,949	51,943	36,463	88,882	30,599	36,808	21,475	91,473	61,350	15,135	14,988
1988 total	697,515	349,275	208,887	139,353	362,334	119,947	148,273	94,113	335,180	229,327	60,613	45,240
1989:												
1st qtr.	172,988	86,831	48,556	37,601	87,895	27,150	33,158	27,588	85,092	59,681	15,398	10,013
2d qtr.	233,015	122,734	60,680	49,601	102,853	34,243	40,324	28,286	130,162	88,491	20,356	21,315
3d qtr.	236,975	124,749	59,524	52,702	107,536	35,108	39,166	33,262	129,439	89,641	20,358	19,440
4th qtr.	232,780	131,595	52,075	49,111	100,899	37,167	35,343	28,389	131,882	94,428	16,732	20,722
1989 total	875,758	465,909	220,835	189,015	399,183	133,667	147,991	117,525	476,575	332,241	72,844	71,490
TO JAPAN												
1978	48,964	14,318	28,917	5,729	41,719	10,142	27,162	4,414	7,245	4,176	1,755	1,315
1979	148,834	37,132	85,634	26,068	105,441	22,273	66,052	17,116	43,392	14,859	19,582	8,952
1980	127,954	20,803	82,940	24,211	93,330	10,354	64,998	17,979	34,624	10,449	17,942	16,232
1981	111,549	24,244	66,441	20,864	67,835	11,139	41,421	15,274	43,715	13,105	25,020	5,590
1982	129,281	29,748	77,542	21,980	81,284	11,752	55,660	13,872	46,997	17,996	21,882	8,119
1983	137,571	33,469	77,244	26,858	98,180	16,073	59,386	22,721	39,391	17,395	17,858	4,137
1984	123,595	30,899	64,837	27,859	74,996	13,802	41,970	19,224	48,598	17,097	22,867	8,635
1985	141,536	28,966	83,125	29,445	82,653	8,795	53,681	20,177	58,883	20,171	29,444	9,268
1986	222,302	44,466	133,059	44,777	165,304	26,505	104,771	34,028	56,999	17,961	28,288	10,749
1987	302,166	68,370	176,838	56,957	239,752	51,667	146,208	41,876	62,414	16,704	30,629	15,081
1988:												
1st qtr.	83,619	18,173	46,186	19,260	57,328	10,744	32,406	14,178	26,291	7,429	13,780	5,082
2d qtr.	84,692	22,311	45,855	16,526	62,297	16,581	33,642	12,074	22,395	5,730	12,213	4,452
3d qtr.	92,681	24,634	47,508	20,539	56,569	12,593	30,564	13,412	36,112	12,041	16,944	7,127
4th qtr.	90,923	25,537	47,821	17,565	59,033	14,195	33,146	11,692	31,890	11,342	14,675	5,873
1988 total	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:												
1st qtr.	95,440	27,723	45,482	22,235	58,752	14,189	30,574	13,988	36,689	13,534	14,908	8,247
2d qtr.	124,320	47,199	54,898	22,223	73,318	20,769	36,532	16,017	51,002	26,430	18,366	6,206
3d qtr.	123,819	38,730	55,846	29,243	74,198	17,858	36,498	19,842	49,621	20,872	19,348	9,401
4th qtr.	107,480	37,628	47,262	22,590	68,230	22,092	31,580	14,558	39,250	15,536	15,682	8,032
1989 total	451,059	151,281	203,488	96,291	274,497	74,909	135,184	64,405	176,562	76,372	68,304	31,886

Table 43—Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89^a (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												
1978	21,979	10,632	2,227	9,120	21,958	10,611	2,227	9,120	21	21	--	--
1979	37,986	14,959	6,249	16,777	37,986	14,959	6,249	16,777	--	--	--	--
1980	42,096	15,679	6,649	19,768	42,096	15,679	6,649	19,768	--	--	--	--
1981	58,031	27,433	6,200	24,397	58,031	27,433	6,200	24,397	--	--	--	--
1982	31,671	13,648	3,536	14,505	31,671	13,648	3,536	14,505	--	--	--	--
1983	44,175	20,039	3,297	20,838	44,175	20,039	3,297	20,838	--	--	--	--
1984	31,348	13,068	2,534	15,745	31,348	13,068	2,534	15,745	--	--	--	--
1985	31,657	15,738	2,098	13,821	31,648	15,729	2,098	13,821	9	9	--	--
1986	40,582	19,187	3,327	18,069	40,582	19,187	3,327	18,069	--	--	--	--
1987	42,800	18,682	3,952	20,166	42,800	18,682	3,952	20,166	--	--	--	--
1988:												
1st qtr.	16,799	7,403	1,911	7,485	16,799	7,403	1,911	7,485	--	--	--	--
2d qtr.	17,076	7,804	2,304	6,968	17,076	7,804	2,304	6,968	--	--	--	--
3d qtr.	14,214	6,906	1,381	5,927	14,214	6,906	1,381	5,927	--	--	--	--
4th qtr.	15,468	8,442	1,335	5,691	15,468	8,442	1,335	5,691	--	--	--	--
1988 total	63,557	30,555	6,931	26,072	63,557	30,555	6,931	26,072	--	--	--	--
1989:												
1st qtr.	16,082	6,916	1,312	7,855	16,082	6,916	1,312	7,855	--	--	--	--
2d qtr.	18,985	9,681	2,171	7,133	18,985	9,681	2,171	7,133	--	--	--	--
3d qtr.	21,125	11,871	1,452	7,802	21,125	11,871	1,452	7,802	--	--	--	--
4th qtr.	20,756	11,346	1,572	7,837	20,756	11,346	1,572	7,837	--	--	--	--
1989 total	76,948	39,814	6,507	30,627	76,948	39,814	6,507	30,627	--	--	--	--
TO PEOPLES REPUBLIC OF CHINA												
1981	2,566	2,531	15	20	91	55	15	20	2,475	2,475		--
1982	577	577							577	577		
1983	2,381	2,381							2,381	2,381		
1984	11,914	8,923	2	2,989					11,914	8,923	2	2,989
1985	4,784	3,669	732	383	41			41	4,743	3,669	732	341
1986	1,077	655	407	16	407		407		670	655		16
1987	2,792	2,635	--	157	244	87		157	2,548	2,548	--	--
1988:												
1st qtr.	41	--	41		41		41					
2d qtr.	--	--	--	--								
3d qtr.	--	--	--	--					--	--	--	--
4th qtr.	1,909		--	7,909		--			1,909		--	1,909
1988 total	1,950		41	1,909	41		41		1,909		--	1,909
1989:												
1st qtr.	49	7	70	32	42		10	32	7	7	33	--
2d qtr.	100	--	100		67		67		33			--
3d qtr.	3,741	14	32	3,695	95			95	3,646	14	32	3,600
4th qtr.	70	4	34	32	36	4		32	34		34	--
1989 total	3,960	25	176	3,759	240	4	77	159	3,720	21	99	3,600

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 44—Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89^a

(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												
1978	362.29	403.55	266.51	329.76	290.19	309.81	266.70	294.06	443.46	452.34	265.25	499.35
1979	518.36	639.18	377.08	427.85	401.51	471.86	371.57	395.90	631.60	699.47	393.73	542.65
1980	436.14	560.96	319.83	351.55	324.62	361.19	310.48	324.13	561.77	623.19	357.18	426.36
1981	387.06	436.65	342.81	338.11	332.62	360.84	322.81	318.31	441.75	470.44	379.24	390.55
1982	363.64	417.90	291.66	359.59	301.01	308.04	291.53	313.02	434.95	460.46	292.09	486.70
1983	355.17	401.64	306.32	311.15	301.26	297.07	317.28	284.66	418.66	445.80	272.89	478.61
1984	348.57	384.22	287.76	338.19	314.01	322.95	304.50	317.24	376.39	404.05	259.55	391.65
1985	334.58	372.74	294.92	310.36	308.35	323.13	313.75	289.26	357.69	389.09	265.39	375.97
1986	359.46	412.71	316.20	337.53	329.03	348.17	320.86	325.01	415.74	458.75	299.18	406.41
1987	386.08	446.59	344.17	343.82	345.31	370.78	343.77	321.98	456.08	495.76	345.85	420.01
1988:												
1st qtr.	378.62	453.79	349.64	312.28	333.40	358.74	343.76	300.35	458.61	529.59	364.76	360.76
2d qtr.	393.78	454.63	356.83	327.87	351.55	367.73	349.22	333.61	462.89	532.29	383.24	315.22
3d qtr.	385.72	432.44	360.21	324.46	353.56	371.52	349.17	338.61	420.74	467.44	384.23	360.86
4th qtr.	377.14	427.29	354.22	313.29	346.09	355.77	351.05	325.59	413.15	474.92	362.16	297.19
1988 average	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:												
1st qtr.	362.64	372.63	361.15	343.23	343.88	325.59	356.60	348.21	384.30	398.84	371.36	330.21
2d qtr.	444.58	493.81	401.81	398.33	403.81	406.18	403.18	401.85	483.14	538.67	399.12	393.76
3d qtr.	515.25	579.63	455.56	462.14	454.81	466.19	445.40	454.39	579.21	640.70	476.46	476.04
4th qtr.	404.00	383.76	432.84	434.76	289.29	187.44	413.92	436.05	579.95	652.93	479.08	433.01
1989 average	429.87	448.10	411.67	409.95	364.37	302.90	403.99	408.18	506.07	555.17	428.19	412.88
TO JAPAN												
1978	299.96	393.04	266.25	314.88	293.87	396.05	263.56	332.17	340.64	385.92	316.02	268.52
1979	418.26	491.38	376.08	495.86	407.98	488.99	372.67	480.04	445.53	495.01	388.04	529.21
1980	353.02	391.89	332.12	405.92	346.43	391.76	326.23	411.03	372.09	392.01	355.34	391.88
1981	357.26	436.99	321.23	417.97	357.88	428.98	322.83	433.00	356.32	444.04	318.60	381.77
1982	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.45
1983	307.05	293.92	303.49	337.21	310.94	278.08	310.68	340.15	297.76	310.26	281.80	328.89
1984	298.34	309.46	282.83	327.05	304.59	300.27	296.79	326.71	289.18	317.31	260.35	327.80
1985	299.79	297.00	295.11	316.90	309.71	284.35	311.73	316.57	286.89	302.88	268.96	317.62
1986	330.61	343.67	313.43	377.88	332.26	339.32	317.73	379.56	325.89	350.29	298.45	372.66
1987	355.32	375.28	342.77	372.54	352.98	377.15	342.34	363.69	363.38	369.64	344.84	399.53
1988:												
1st qtr.	343.44	339.80	350.11	331.63	336.92	329.75	343.55	327.85	358.56	355.45	366.57	342.66
2d qtr.	343.92	318.69	358.02	343.09	336.56	315.16	349.32	333.73	366.20	329.39	384.42	371.34
3d qtr.	345.87	317.66	360.08	351.23	339.84	324.12	340.01	337.15	355.76	311.17	384.10	381.18
4th qtr.	333.09	304.85	355.01	322.32	339.13	327.72	352.25	318.93	322.46	280.37	361.39	329.28
1988 average	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:												
1st qtr.	342.93	308.84	362.67	352.17	340.16	302.03	358.50	345.72	347.47	316.33	371.53	363.66
2d qtr.	419.16	443.70	401.97	414.27	408.67	415.06	405.80	407.12	435.21	469.12	394.56	433.90
3d qtr.	476.87	492.15	458.04	495.40	461.53	465.14	448.38	484.28	501.82	517.89	477.46	520.63
4th qtr.	308.06	193.65	436.10	488.88	250.58	134.37	420.05	445.25	512.35	519.53	472.46	594.43
1989 average	381.14	322.46	413.36	433.71	349.60	249.85	407.32	419.66	443.32	451.02	425.86	465.15

Table 44—Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1978-89^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												
1978	186.31	152.21	240.99	234.59	186.20	151.99	240.99	234.59	536.67	536.67	--	--
1979	333.39	384.39	331.18	298.58	333.28	384.39	331.18	298.58	--	--	--	--
1980	263.66	285.72	252.59	251.96	263.66	285.72	252.59	251.96	--	--	--	--
1981	281.69	298.64	301.46	241.23	271.69	298.64	301.46	241.23	--	--	--	--
1982	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85	--	--	--	--
1983	258.69	277.81	338.73	234.41	258.69	277.81	338.73	234.41	--	--	--	--
1984	285.03	286.43	335.28	277.22	285.03	286.43	335.28	277.22	--	--	--	--
1985	266.13	297.82	342.38	230.43	266.09	297.74	342.38	230.43	590.00	590.00	--	--
1986	268.74	324.25	334.44	220.66	268.74	324.25	334.44	220.66	--	--	--	--
1987	278.27	336.66	355.65	231.25	278.27	336.66	355.65	231.25	--	--	--	--
1988:												
1st qtr.	316.54	338.07	354.15	290.39	316.54	338.07	354.15	290.39	--	--	--	--
2d qtr.	337.18	375.88	354.03	298.11	337.18	375.88	354.03	298.11	--	--	--	--
3d qtr.	322.96	361.29	355.84	282.02	322.96	361.29	355.84	282.02	--	--	--	--
4th qtr.	319.86	344.29	332.50	287.09	319.86	344.29	332.50	287.09	--	--	--	--
1988 average	324.13	354.08	350.05	289.72	324.13	354.08	350.05	289.72	--	--	--	--
1989:												
1st qtr.	304.91	309.90	334.78	296.34	304.91	309.90	334.78	296.34	--	--	--	--
2d qtr.	369.36	395.90	357.78	341.64	369.36	395.90	357.78	341.64	--	--	--	--
3d qtr.	397.06	424.27	374.32	365.52	397.06	424.27	374.32	365.52	--	--	--	--
4th qtr.	387.02	413.05	373.66	356.96	387.02	413.05	373.66	356.96	--	--	--	--
1989 average	364.72	389.50	360.04	337.73	364.72	389.50	360.04	337.73	--	--	--	--
TO PEOPLES REPUBLIC OF CHINA												
1981	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30	--	--
1982	257.07	257.07	--	--	--	--	--	--	257.07	257.07	--	--
1983	321.62	321.62	--	--	--	--	--	--	321.62	321.62	--	--
1984	273.48	260.85	353.33	319.66	--	--	--	--	273.48	260.85	353.33	319.66
1985	273.54	262.14	260.70	559.48	464.35	--	--	464.35	272.56	262.14	260.70	573.71
1986	203.90	216.46	186.87	205.13	186.87	--	186.87	--	215.85	216.46	--	205.13
1987	301.28	298.28	--	362.59	386.69	439.39	--	362.59	295.04	295.04	--	--
1988:												
1st qtr.	347.46	--	347.46	--	347.46	--	347.46	--	--	--	--	--
2d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.	395.81	--	--	395.81	--	--	--	--	395.81	--	--	395.81
1988 average	394.66	--	347.46	395.81	347.46	--	347.46	--	395.81	--	--	395.81
1989:												
1st qtr.	538.46	259.26	588.24	680.85	656.25	--	588.24	680.85	259.26	259.26	--	--
2d qtr.	431.03	--	431.03	--	335.00	--	335.00	--	1,031.25	--	1,031.25	--
3d qtr.	403.91	518.52	969.70	401.54	437.79	--	--	437.79	403.10	518.52	969.70	400.67
4th qtr.	666.67	400.00	1,096.77	500.00	486.49	400.00	--	500.00	1,096.77	--	1,096.77	--
1989 average	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

^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 45—Volume and average value of softwood lumber exports from northern California ports by species and destination, 1978-89^a

(Volume in thousand board feet, Scribner scale; 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								
1978	33,267	571.74	12,931	500.35	770	283.12	19,566	630.28
1979	30,832	781.04	10,539	828.83	1,498	365.15	18,795	787.34
1980	34,603	563.59	10,531	675.72	3,777	418.06	20,295	532.50
1981	47,316	431.12	7,841	507.97	12,037	380.49	27,438	432.03
1982	52,717	401.65	13,855	395.89	7,536	311.84	31,326	425.84
1983	43,280	464.93	18,583	480.71	5,619	333.87	19,078	488.21
1984	23,213	495.46	10,260	459.45	617	405.19	12,336	529.91
1985	33,091	435.25	15,340	452.09	867	386.39	16,884	422.47
1986	43,281	448.49	16,795	497.29	4,914	407.20	21,572	419.90
1987	72,729	362.39	18,829	419.03	7,989	388.28	45,911	334.65
1988	115,620	303.58	24,821	325.49	18,881	347.55	71,918	284.48
1989:								
1st quarter	23,903	360.29	3,838	448.41	4,011	535.28	16,054	295.50
2d quarter	14,963	465.82	1,105	677.83	2,643	589.10	11,215	415.87
3d quarter	20,167	500.37	1,603	782.28	2,658	733.63	15,906	432.98
4th quarter	17,633	511.31	1,283	616.52	2,704	733.73	13,646	457.35
1989 total and average value	76,667	452.48	7,828	576.78	12,017	635.60	56,822	396.62
TO JAPAN								
1978	7,111	326.68	107	411.22	286	283.22	6,718	327.03
1979	8,854	435.96	0	--	700	330.00	8,154	445.06
1980	17,384	386.62	1,160	387.07	3,256	370.09	12,968	390.81
1981	29,437	414.21	2,608	514.57	11,834	380.01	14,995	423.74
1982	38,213	357.18	7,285	388.06	6,581	318.19	24,347	358.44
1983	22,157	373.83	2,233	312.58	5,414	335.43	14,510	397.66
1984	10,127	465.49	345	252.17	321	448.60	9,461	473.84
1985	14,794	389.69	282	262.41	708	347.46	13,804	394.45
1986	23,651	370.77	226	358.41	4,877	408.04	18,548	361.06
1987	49,227	332.18	506	268.77	7,355	401.09	41,366	320.70
1988	84,861	287.15	1,058	293.95	17,440	340.37	66,363	273.06
1989:								
1st quarter	17,419	327.75	22	590.91	3,109	590.22	14,288	270.30
2d quarter	12,895	443.89	142	654.93	2,523	573.92	10,230	408.90
3d quarter	18,413	468.96	377	628.65	2,551	720.50	15,485	423.64
4th quarter	15,548	492.02	123	609.76	2,618	740.26	12,807	440.15
1989 total and average value	64,275	431.24	664	629.52	10,802	653.40	52,809	383.31
TO PEOPLES REPUBLIC OF CHINA								
1978	0	--	0	--	0	--	0	--
1979	0	--	0	--	0	--	0	--
1980	0	--	0	--	0	--	0	--
1981	93	344.09	0	--	0	--	93	344.09
1982	22	318.18	17	235.29	0	--	5	600.00
1983	0	--	0	--	0	--	0	--
1984	0	--	0	--	0	--	0	--
1985	0	--	0	--	0	--	0	--
1986	0	--	0	--	0	--	0	--
1987	0	--	0	--	0	--	0	--
1988	95	673.68	0	--	0	--	95	673.68
1989:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1989 total and average value	0	--	0	--	0	--	0	--

^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.

Table 46—Volume and average value of softwood lumber exports from southern California ports by species and destination, 1978-89^a

(Volume in thousand board feet, Scribner scale; 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						
1978	74,085	205.40	27,661	178.05	46,424	221.70
1979	81,348	222.67	20,388	197.86	60,960	230.99
1980	95,613	238.49	24,830	209.63	70,783	248.62
1981	109,451	241.62	18,809	246.16	90,642	240.68
1982	71,073	223.92	7,352	276.93	63,721	217.82
1983	134,934	70.60	2,603	329.24	132,331	65.51
1984	78,630	244.78	2,979	277.61	75,651	243.49
1985	95,765	284.83	2,067	340.59	93,698	283.59
1986	118,473	254.78	2,523	332.94	115,950	253.08
1987	152,754	240.57	1,148	286.59	151,606	240.23
1988:						
1st quarter	50,892	256.35	356	252.81	50,536	256.39
2d quarter	68,744	231.09	476	231.09	68,268	231.09
3d quarter	72,136	236.36	515	324.27	71,621	235.73
4th quarter	68,771	251.43	1,288	394.41	67,483	248.70
1988 total and average value	260,543	242.85	2,635	331.69	257,908	241.94
1989:						
1st quarter	69,642	249.72	793	223.20	68,849	250.03
2d quarter	49,848	401.34	1,063	322.67	48,785	403.06
3d quarter	81,802	400.28	1,378	370.83	80,424	401.70
4th quarter	49,388	438.81	1,018	526.52	48,370	436.97
1989 total and average value	250,680	366.26	4,251	368.38	246,429	366.22
TO JAPAN						
1978	209	631.58	0	--	209	631.58
1979	714	725.49	0	--	714	725.49
1980	2,330	313.30	237	227.85	2,093	322.98
1981	1,409	429.38	292	325.34	1,117	456.58
1982	290	379.31	12	250.00	278	384.89
1983	2,699	384.59	22	227.27	2,677	385.51
1984	410	509.76	0	--	410	509.76
1985	149	557.05	0	--	149	557.05
1986	167	508.98	0	--	167	508.98
1987	606	613.86	21	809.52	585	606.84
1988:						
1st quarter	318	251.57	12	250.00	306	248.37
2d quarter	967	313.34	0	--	967	313.34
3d quarter	1,809	130.46	14	1,285.71	1,795	121.45
4th quarter	625	332.80	0	--	625	332.80
1988 total and average value	3,719	222.37	26	846.15	3,693	217.98
1989:						
1st quarter	1,336	412.43	48	354.17	1,288	414.60
2d quarter	1,214	470.35	116	258.39	1,098	492.71
3d quarter	4,949	320.47	778	246.79	4,171	334.21
4th quarter	2,862	537.39	108	888.89	2,754	523.60
1989 total and average value	10,361	409.81	1,050	318.10	9,311	420.15

^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. Data are compiled from Department of Commerce records at the end of each quarter.

Table 47—Volume and average value of softwood lumber exports from Anchorage Customs District by species and destination, 1978-89

(Volume in thousand board feet; average 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										
1978	237,795	289.24	126,218	252.78	111,435	330.44	53	415.09	89	325.84
1979	277,977	372.08	172,005	311.78	103,844	474.45	479	352.82	1,649	221.35
1980	255,373	346.89	158,661	270.00	96,607	473.32	105	200.00	0	--
1981	195,981	305.70	104,974	222.39	91,007	401.79	0	--	0	--
1982	171,966	340.52	75,500	286.24	94,805	381.83	0	--	1,661	450.33
1983	136,660	330.05	70,791	256.23	64,193	414.20	0	--	1,676	223.75
1984	120,360	278.23	75,445	196.74	44,915	415.10	0	--	0	--
1985	87,127	264.94	59,426	219.80	27,701	361.76	0	--	0	--
1986	119,981	274.28	72,894	233.89	43,162	338.75	918	343.14	3,007	306.62
1987	133,144	292.11	80,253	241.19	49,085	374.07	10	300.00	3,796	309.01
1988	167,453	359.27	98,781	296.81	64,845	456.24	113	300.89	3,714	329.29
1989:										
1st quarter	30,192	418.42	19,157	326.88	8,820	652.04	0	--	2,215	279.91
2d quarter	38,811	392.52	21,288	327.88	17,506	471.27	0	--	17	235.29
3d quarter	55,203	369.51	30,553	354.14	24,580	388.85	0	--	70	285.71
4th quarter	59,554	362.21	35,058	322.44	21,964	443.27	2,532	209.72	0	--
1989 total and average value	183,760	380.04	106,055	333.46	72,870	456.91	2,532	209.72	2,302	280.63
TO JAPAN										
1978	236,615	289.85	125,355	253.50	111,207	330.77	53	415.09	0	--
1979	273,615	370.35	170,149	311.91	101,408	470.90	435	351.72	1,623	219.96
1980	251,369	345.25	156,654	270.02	94,610	469.96	105	200.00	0	--
1981	161,794	313.50	82,753	215.32	79,041	416.30	0	--	0	--
1982	155,826	338.04	71,192	282.34	83,966	384.92	0	--	668	383.23
1983	119,662	319.78	64,250	249.14	53,814	407.20	0	--	1,598	215.89
1984	117,425	280.16	72,805	196.57	44,620	416.58	0	--	0	--
1985	85,981	265.77	58,280	220.14	27,701	361.76	0	--	0	--
1986	118,942	273.53	72,894	233.89	43,141	338.31	0	--	2,907	306.16
1987	130,678	289.57	79,318	240.94	47,919	369.14	0	--	3,441	302.24
1988	159,804	353.17	96,686	296.44	61,404	443.62	113	300.89	1,601	313.55
1989:										
1st quarter	30,192	418.42	19,157	326.88	8,820	652.04	0	--	2,215	279.91
2d quarter	38,793	392.57	21,288	327.88	17,506	471.27	0	--	0	--
3d quarter	55,133	369.63	30,553	354.14	24,580	388.85	0	--	0	--
4th quarter	58,538	356.01	35,058	322.44	20,948	429.87	2,532	209.72	0	--
1989 total and average value	182,656	378.20	106,055	333.46	71,854	453.20	2,532	209.72	2,215	279.91
TO PEOPLE'S REPUBLIC OF CHINA										
1981	27,159	251.78	18,438	252.58	8,721	250.09	0	--	0	--
1982	13,153	334.68	3,307	307.23	9,846	344.00	0	--	0	--
1983	12,254	332.63	6,428	326.54	5,826	339.51	0	--	0	--
1984	0	--	0	--	0	--	0	--	0	--
1985	0	--	0	--	0	--	0	--	0	--
1986	0	--	0	--	0	--	0	--	0	--
1987	0	--	0	--	0	--	0	--	0	--
1988	0	--	0	--	0	--	0	--	0	--
1989:										
1st quarter	0	--	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--	0	--
1988 total and average value	0	--	0	--	0	--	0	--	0	--

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

Table 48—Volume and average value of softwood lumber exports to Canada from the Great Falls Customs District, 1978-89^a

(Volume in thousand board feet, Scribner scale; 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
1978	44,441	298.44	12,691	227.64	2,276	292.62	29,474	329.38
1979	61,243	296.26	22,067	263.65	1,632	363.97	37,544	312.46
1980	51,200	250.39	14,030	245.76	1,824	314.69	35,346	248.94
1981	79,210	231.73	18,196	259.12	1,308	336.39	59,706	221.10
1982	46,508	231.62	8,595	263.76	690	340.58	37,223	222.20
1983	66,943	235.01	12,534	260.17	852	327.46	53,557	227.66
1984	52,655	190.01	7,898	274.75	683	342.61	44,074	172.46
1985	34,277	241.56	8,582	270.10	394	329.95	25,301	230.50
1986	34,429	245.35	8,210	284.90	752	355.05	25,467	229.36
1987	31,315	272.65	9,853	312.90	389	372.75	21,073	251.98
1988:								
1st quarter	5,901	296.90	2,461	297.44	155	348.39	3,285	294.06
2d quarter	8,783	287.03	3,202	283.89	196	352.04	5,385	286.72
3d quarter	7,145	313.93	2,167	327.64	160	393.75	4,818	305.11
4th quarter	9,504	284.83	2,350	293.62	129	271.32	7,025	282.14
1988 total	31,333	294.35	10,180	298.72	640	343.75	20,513	290.65
1989:								
1st quarter	6,714	285.37	1,406	282.36	258	360.47	5,050	282.38
2d quarter	7,536	338.11	2,280	361.40	183	355.19	5,073	327.03
3d quarter	9,399	368.76	2,658	388.64	213	356.81	6,528	361.06
4th quarter	8,760	356.05	2,498	403.92	127	346.46	6,135	336.76
1989 total	32,409	340.92	8,842	368.92	781	355.95	22,786	329.54

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

Source: U.S. Department of Commerce.

Table 49—Volume and average value of hardwood lumber exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1978-89

(Volume in thousand board feet, Scribner scale; 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								
1978	13,695	445.49	155	838.71	41	317.07	796	1,060.30
1979	17,552	520.45	546	532.97	2,410	372.61	1,098	836.98
1980	19,035	549.41	703	726.88	56	607.14	1,612	695.41
1981	22,717	528.50	2,837	581.25	1,812	250.00	3,893	586.18
1982	16,019	515.51	3,164	697.85	0	--	4,135	544.86
1983	34,729	542.86	3,668	536.26	0	--	6,031	504.39
1984	36,397	596.86	6,497	687.09	0	--	7,849	452.67
1985	35,841	634.36	3,958	646.29	3,322	280.25	6,987	438.53
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:								
1st quarter	23,442	581.90	4,383	573.81	15	533.33	3,111	617.49
2d quarter	22,524	725.00	3,037	680.94	0	--	2,539	966.52
3d quarter	21,964	833.64	11,735	521.26	49	693.88	1,895	1,203.69
4th quarter	17,793	858.37	2,951	939.68	0	--	3,349	1,212.60
1989 total	85,722	741.38	22,106	609.47	64	656.25	10,894	983.75
TO JAPAN								
1978	240	541.67	63	634.92	0	--	501	1,185.63
1979	621	1,043.40	289	290.66	2,246	308.55	713	781.21
1980	1,979	512.89	266	672.93	11	818.18	1,399	680.49
1981	1,773	371.06	1,328	540.66	0	--	2,513	536.01
1982	2,951	611.66	792	723.40	0	--	3,507	525.52
1983	13,721	599.45	2,601	504.42	0	--	3,737	348.68
1984	20,603	685.24	5,092	696.58	0	--	6,813	409.66
1985	20,690	702.32	2,859	668.77	3,322	280.25	5,793	408.42
1986	30,531	667.65	2,810	683.27	111	504.50	3,695	391.88
1987	39,778	595.35	4,173	569.37	361	761.77	12,430	301.69
1988	76,276	528.70	9,111	390.74	2,045	709.54	4,168	465.21
1989:								
1st quarter	11,345	622.12	3,275	460.76	0	--	2,275	668.13
2d quarter	10,343	751.43	2,569	684.31	0	--	1,840	1,010.33
3d quarter	12,136	892.63	1,729	872.76	25	760.00	1,356	1,276.55
4th quarter	9,043	915.96	1,629	830.57	0	--	2,571	1,308.83
1989 total	42,867	791.89	9,203	665.98	25	760.00	8,041	1,053.97
TO PEOPLES REPUBLIC OF CHINA								
1978	0	--	0	--	0	--	0	--
1979	0	--	0	--	0	--	0	--
1980	0	--	0	--	0	--	0	--
1981	0	--	0	--	1,812	250.00	3	2,000.00
1982	0	--	0	--	0	--	0	--
1983	0	--	0	--	0	--	0	--
1984	0	--	0	--	0	--	0	--
1985	0	--	0	--	0	--	0	--
1986	0	--	0	--	0	--	0	--
1987	0	--	8	875.00	0	--	6	333.33
1988	127	1,023.62	0	--	0	--	0	--
1989:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	0	--	8,985	400.67	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1989 total	0	--	8,985	400.67	0	--	0	--

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) 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. 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.

Table 50—Volume of lumber exports from British Columbia ports by species and destination, 1978-89

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
TO ALL COUNTRIES							
1978	5,876,119	679,566	2,492,764	570,796	2,116,258	15,674	1,061
1979	5,755,532	679,694	2,313,186	646,701	1,983,829	129,161	2,961
1980	5,160,800	498,425	2,098,672	988,347	1,872,234	99,624	3,498
1981	4,421,519	420,466	1,805,988	604,608	1,495,892	93,086	1,479
1982	4,242,899	339,932	1,803,999	635,865	208,218	1,244,341	10,544
1983	4,797,419	338,866	2,138,634	707,342	193,775	a 1,413,690	5,112
1984	5,822,714	469,278	2,280,805	1,113,568	181,699	1,760,231	17,133
1985	5,856,709	606,452	2,166,417	863,294	217,340	2,000,301	2,905
1986	5,718,134	506,289	2,062,006	862,049	163,672	2,121,451	2,667
1987	7,431,323	669,643	2,745,288	925,916	221,803	3,133,596	5,077
1988	12,202,632	NA	NA	NA	NA	NA	19,272
1989:							
1st quarter	2,929,189	NA	NA	NA	NA	NA	846
2d quarter	3,056,517	NA	NA	NA	NA	NA	282
3d quarter	2,997,822	NA	NA	NA	NA	NA	1,000
4th quarter	3,022,682	NA	NA	NA	NA	NA	270
1989 total	12,006,210	NA	NA	NA	NA	NA	2,398
TO JAPAN							
1978	779,135	23,799	545,983	118,368	92,940	0	45
1979	1,014,481	44,021	677,425	158,121	133,358	546	1,010
1980	1,084,426	55,800	701,579	136,130	185,379	4,158	1,380
1981	867,636	34,239	577,901	129,256	125,324	717	199
1982	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983	898,952	33,562	558,412	125,101	62,194	119,565	118
1984	922,658	37,181	567,616	125,112	71,628	119,438	1,683
1985	995,661	56,977	579,064	128,550	86,587	143,891	592
1986	919,224	56,070	492,636	141,210	94,484	133,816	1,008
1987	1,333,078	112,615	731,908	122,113	113,364	250,898	2,180
1988	1,453,419	NA	NA	NA	NA	NA	2,167
1989:							
1st quarter	354,258	NA	NA	NA	NA	NA	458
2d quarter	408,153	NA	NA	NA	NA	NA	206
3d quarter	434,686	NA	NA	NA	NA	NA	231
4th quarter	471,061	NA	NA	NA	NA	NA	133
1989 total	1,668,158	NA	NA	NA	NA	NA	1,028

Table 50—Volume of lumber exports from British Columbia ports by species and destination, 1978-89 (continued)

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
TO UNITED STATES^b							
1978	4,078,666	501,841	1,443,548	365,062	1,751,741	15,496	978
1979	3,528,648	462,658	1,125,807	382,991	1,429,014	126,536	1,642
1980	2,590,889	283,482	775,428	355,821	1,079,387	94,683	2,088
1981	2,337,958	228,856	803,019	394,800	813,733	96,305	1,245
1982	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983	2,595,702	187,818	981,755	396,363	121,695	906,034	2,037
1984	3,227,897	253,215	1,120,076	591,324	98,306	1,160,479	4,497
1985	3,956,609	352,433	1,182,889	668,897	126,979	1,623,348	2,063
1986	3,825,528	299,617	1,160,014	650,072	63,164	1,651,033	1,628
1987	4,680,711	340,153	1,162,424	711,127	96,371	2,368,393	2,243
1988	8,948,832	NA	NA	NA	NA	NA	2,481
1989:							
1st quarter	2,204,130	NA	NA	NA	NA	NA	224
2d quarter	2,209,638	NA	NA	NA	NA	NA	0
3d quarter	2,133,825	NA	NA	NA	NA	NA	0
4th quarter	2,145,974	NA	NA	NA	NA	NA	7
1989 total	8,693,567	NA	NA	NA	NA	NA	231
TO PEOPLE'S REPUBLIC OF CHINA							
1982	43,206	0	28,877	0	624	4,514	9,191
1983	135,043	6,274	111,000	0	0	15,907	1,862
1984	116,884	3,063	99,706	0	140	4,449	9,526
1985	104,281	672	103,609	0	0	0	0
1986	40,297	0	39,919	0	0	378	0
1987	31,896	39	31,774	60	0	0	23
1988	84,425	NA	NA	NA	NA	NA	0
1989:							
1st quarter	281	NA	NA	NA	NA	NA	0
2d quarter	10,357	NA	NA	NA	NA	NA	0
3d quarter	10,127	NA	NA	NA	NA	NA	0
4th quarter	1,094	NA	NA	NA	NA	NA	0
1989 total	21,859	NA	NA	NA	NA	NA	0

NA = not available.

^a Incomplete; does not include all "Other softwoods" or "Hardwoods."

^b Figures do not include shipments of railroad crossties.

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

Table 51—Average value of lumber exports from British Columbia ports by species and destination, 1985-89

(In dollars per thousand 'board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
TO ALL COUNTRIES							
1985	315.34	354.05	308.99	468.29	369.93	237.99	694.77
1986	351.94	384.09	339.18	548.29	512.78	264.39	421.09
1987	384.55	426.51	399.03	641.44	592.85	272.97	709.72
1988	321.48	NA	NA	NA	NA	NA	689.66
1989:							
1st quarter	318.18	NA	NA	NA	NA	NA	1,011.82
2d quarter	333.72	NA	NA	NA	NA	NA	1,414.89
3d quarter	343.85	NA	NA	NA	NA	NA	652.00
4th quarter	352.66	NA	NA	NA	NA	NA	1,240.74
1989 total	337.17	NA	NA	NA	NA	NA	934.95
TO JAPAN							
1985	400.55	514.86	329.30	616.65	561.79	349.53	983.67
1986	515.75	618.18	423.36	819.01	657.94	393.42	395.85
1987	617.78	746.66	542.06	1,138.30	832.39	428.13	891.27
1988	592.36	NA	NA	NA	NA	NA	1,081.80
1989:							
1st quarter	595.82	NA	NA	NA	NA	NA	1,279.48
2d quarter	622.02	NA	NA	NA	NA	NA	1,427.18
3d quarter	667.41	NA	NA	NA	NA	NA	1,549.78
4th quarter	625.61	NA	NA	NA	NA	NA	1,571.43
1989 total	629.30	NA	NA	NA	NA	NA	1,407.59
TO UNITED STATES ^a							
1985	281.33	287.22	290.16	405.94	230.18	225.84	621.69
1986	297.77	291.99	286.20	446.61	267.78	249.35	425.48
1987	298.52	277.19	291.64	490.71	291.06	247.36	498.03
1988	251.41	NA	NA	NA	NA	NA	331.55
1989:							
1st quarter	251.12	NA	NA	NA	NA	NA	660.71
2d quarter	254.97	NA	NA	NA	NA	NA	
3d quarter	257.88	NA	NA	NA	NA	NA	
4th quarter	258.49	NA	NA	NA	NA	NA	571.54
1989 total	255.58	NA	NA	NA	NA	NA	658.01
TO PEOPLE'S REPUBLIC OF CHINA							
1985	284.59	269.55	284.69	--	--		
1986	298.30	--	300.70	--	--	44.64	
1987	309.90	1,460.00	306.96	1,076.53	--	--	418.57
1988	305.35	NA	NA	NA	NA	NA	
1989:							
1st quarter	106.95	NA	NA	NA	NA	NA	--
2d quarter	318.53	NA	NA	NA	NA	NA	--
3d quarter	313.72	NA	NA	NA	NA	NA	--
4th quarter	316.21	NA	NA	NA	NA	NA	--
1989 total	313.46	NA	NA	NA	NA	NA	

NA = not available.

^a Figures do not include shipments of railroad crossties.

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

Table 52—Volume and average value of plywood exports from Seattle and Columbia-Snake Customs Districts by destination, 1978-89

(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												
1978	242,105	209.48	12,160	211.76	23,284	204.09	8,871	151.28	218,821	210.05	3,289	374.89
1979	330,318	239.33	9,962	227.56	27,132	244.36	9,644	224.70	303,186	238.88	318	314.47
1980	279,003	246.35	9,718	249.54	20,747	264.95	8,806	242.33	258,256	244.86	912	319.08
1981	327,967	262.70	18,645	163.64	65,729	224.32	17,333	153.35	262,238	272.32	1,312	299.54
1982	221,609	241.71	9,435	145.63	36,268	252.32	9,346	145.09	185,341	239.64	89	202.25
1983	322,586	223.64	16,541	136.27	38,008	217.53	16,320	134.87	284,578	156.07	221	239.82
1984	156,715	220.29	9,140	166.19	23,663	221.44	9,126	141.90	133,052	480.08	284	788.73
1985	94,676	226.83	10,789	144.04	15,691	213.12	10,013	143.51	78,985	370.72	776	150.77
1986	204,236	210.84	12,622	155.52	26,381	254.69	12,275	156.17	177,855	204.34	347	132.56
1987	243,637	216.55	10,318	152.36	36,200	245.36	10,041	147.79	204,637	211.52	277	317.69
1988	289,573	224.51	20,411	164.47	48,810	232.27	18,987	158.69	240,763	222.94	1,424	241.57
1989:												
1st quarter	76,432	195.47	3,917	196.83	13,095	215.50	3,746	195.41	63,337	191.33	171	228.07
2d quarter	41,302	199.94	3,768	224.79	14,769	229.13	3,682	224.61	26,533	183.70	86	232.56
3d quarter	54,273	216.89	5,071	186.75	15,832	217.85	4,990	186.57	38,441	216.49	81	197.53
4th quarter	137,236	214.33	5,336	170.35	25,189	216.80	5,336	170.35	112,047	213.78	0	--
1989 total	309,243	208.19	18,092	191.96	68,885	219.42	17,754	191.45	240,358	204.97	338	218.93
TO JAPAN												
1978	2,821	392.41	18	500.00	167	401.20	18	500.00	2,654	391.86	0	--
1979	6,040	357.28	108	305.56	931	331.90	108	305.56	5,109	361.91	0	--
1980	8,301	265.27	163	196.32	4,158	240.02	163	196.32	4,143	290.61	0	--
1981	5,056	344.94	13	615.38	2,162	275.67	12	583.33	2,894	396.68	1	1,000.00
1982	6,720	313.84	19	894.74	3,152	280.14	19	894.74	3,568	343.61	0	--
1983	5,680	308.45	16	125.00	3,973	275.86	0	--	1,707	384.30	16	125.00
1984	6,429	307.67	0		2,054	228.82	0		4,375	344.69	0	--
1985	6,050	284.63	898	151.45	1,310	196.18	122	155.74	4,740	309.07	776	150.77
1986	7,644	264.52	39	1,000.00	1,277	245.11	39	1,000.00	6,367	268.42	0	--
1987	11,299	250.64	400	327.50	2,670	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:												
1st quarter	3,521	215.00	75	560.00	2,542	210.07	58	637.93	979	227.78	17	294.12
2d quarter	4,903	207.83	426	194.84	3,428	199.53	426	194.84	1,475	227.12	0	--
3d quarter	3,780	210.58	354	234.46	2,134	201.97	354	234.46	1,646	221.75	0	--
4th quarter	4,870	208.22	36	250.00	2,775	205.77	36	250.00	2,095	211.46	0	--
1989 total	17,075	210.01	891	243.55	10,880	204.04	874	242.56	6,195	220.50	17	294.12
TO WESTERN EUROPE												
1978	193,988	199.36	1,722	282.81	5,227	243.93	173	479.77	188,761	198.13	1,549	260.81
1979	295,782	233.69	88	272.73	10,089	229.76	76	236.84	285,693	233.83	12	500.00
1980	246,652	241.94	119	571.43	5,940	285.35	119	571.43	240,712	240.87	0	--
1981	249,543	254.80	677	159.53	12,163	252.16	0	--	237,380	254.94	677	159.53
1982	170,695	217.23	79	202.53	11,805	244.39	0	--	158,890	215.21	79	202.53
1983	286,229	219.59	145	151.72	13,625	214.61	145	151.72	272,604	219.84	0	--
1984	125,645	211.43	236	152.54	8,651	233.61	236	152.54	116,994	209.79	0	--
1985	73,724	213.73	65	200.00	5,497	225.94	65	200.00	68,227	212.75	0	--
1986	174,439	203.26	304	128.29	9,305	309.30	304	128.29	165,134	197.29	0	--
1987	207,811	211.14	346	199.42	15,480	259.37	346	199.42	192,331	207.26	0	--
1988	232,672	209.74	579	202.07	16,424	212.31	579	202.07	216,248	209.55	0	--
1989:												
1st quarter	68,664	192.88	43	488.37	6,922	213.81	43	488.37	61,742	190.53	0	--
2d quarter	31,857	193.49	28	285.71	7,412	235.97	0	--	24,445	180.61	28	285.71
3d quarter	40,456	216.61	0		4,299	225.17	0	--	36,157	215.59	0	--
4th quarter	113,076	214.65	0		7,960	241.58	0	--	105,116	212.61	0	--
1989 total	254,053	206.39	71	408.45	26,593	229.95	43	488.37	227,460	203.64	28	285.71

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 53—Volume and average value of plywood exports from California, 1978-89^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
1978	5,553	353.68	2,350	325.53	899	877.64	964	207.47	1,340	156.72
1979	5,934	303.00	1,638	330.89	871	469.58	1,946	249.74	1,479	244.08
1980	9,054	296.66	1,414	335.93	849	307.42	3,546	274.96	3,245	300.46
1981	9,349	289.12	2,424	312.71	487	492.81	2,830	238.52	3,608	285.48
1982	7,464	415.46	3,026	264.04	1,364	1,095.31	1,557	260.76	1,517	265.00
1983	8,117	272.51	3,442	306.22	974	219.71	1,319	195.60	2,382	287.99
1984	9,405	310.05	2,608	332.44	513	395.71	1,629	254.76	4,655	307.41
1985	15,504	332.69	6,239	257.57	325	280.00	1,720	227.91	7,220	424.93
1986	27,563	235.13	4,231	268.73	548	167.88	10,977	186.48	11,807	271.45
1987	24,096	286.73	2,653	308.33	275	280.00	7,588	206.38	13,580	327.54
1988:										
1st quarter	8,643	251.65	1,007	255.21	173	265.90	3,127	188.68	4,336	295.43
2d quarter	8,015	261.01	1,472	211.28	107	196.26	2,534	196.53	3,902	323.42
3d quarter	12,457	236.09	1,428	195.38	20	250.00	5,012	245.61	5,997	237.79
4th quarter	12,750	222.35	884	254.52	543	173.11	4,991	189.14	6,332	248.42
1988 total	41,865	239.89	4,791	223.75	843	196.92	15,664	208.38	20,567	269.41
1989:										
1st quarter	7,680	221.88	2,403	233.87	95	231.58	1,988	214.29	3,194	217.28
2d quarter	10,417	213.88	1,695	272.57	264	219.70	4,304	167.29	4,154	237.84
3d quarter	10,766	208.06	1,369	229.36	125	248.00	4,844	193.85	4,428	215.90
4th quarter	13,056	161.92	855	247.95	190	236.84	4,278	156.15	7,733	153.76
1989 total	41,919	197.67	6,322	245.18	674	229.97	15,414	178.67	19,509	196.17

^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 54—Volume and average value of veneer exports from Seattle and Columbia-Snake Customs Districts by destination, 1978-89

(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												
1978	112,287	53.20	15,251	84.58	112,150	52.99	15,159	84.70	137	226.28	92	54.35
1979	101,900	68.76	11,959	111.13	99,315	68.92	10,918	118.89	2,585	62.67	1,041	29.78
1980	97,271	60.60	10,197	104.83	96,517	60.22	9,901	104.33	754	110.08	296	125.00
1981	189,980	31.62	11,997	79.02	185,648	27.08	11,793	79.79	4,332	226.45	24	250.00
1982	231,316	28.61	19,514	41.87	148,876	26.79	5,870	58.09	82,440	31.89	13,644	34.81
1983	292,795	27.80	14,330	65.39	160,267	27.00	13,893	62.69	132,528	28.77	437	151.03
1984	266,106	27.04	37,273	92.91	127,697	30.35	31,771	103.11	138,409	23.99	5,502	33.81
1985	221,547	29.56	38,473	92.97	153,095	28.82	36,161	97.78	68,452	31.19	2,312	17.73
1986	333,798	30.57	64,746	108.64	271,342	29.28	61,800	109.45	62,456	36.15	2,946	91.65
1987	290,803	43.49	79,792	77.09	239,599	32.00	70,955	79.77	51,091	91.39	8,837	55.56
1988	163,092	55.56	172,369	81.09	125,461	47.42	153,013	84.20	37,631	82.70	19,356	56.52
1989:												
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3d quarter	15,476	204.70	34,931	114.25	11,163	191.70	34,598	114.28	4,313	238.35	333	111.11
4th quarter	16,503	187.97	26,056	115.98	14,738	178.59	25,788	116.06	1,764	267.01	268	111.94
1989 total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TO JAPAN												
1978	34	235.29	846	62.65	0	--	846	62.65	34	235.29	0	--
1979	2,625	48.76	2,171	84.29	1,528	44.50	1,130	134.51	1,097	54.69	1,041	29.78
1980	5,120	33.98	1,367	121.43	4,938	34.43	1,367	121.43	182	27.47	0	0
1981	978	22.49	821	174.18	0		821	174.18	978	22.49	0	0
1982	82,295	23.08	12,700	33.15	1,487	18.83	37	135.14	80,808	23.15	12,663	32.85
1983	105,068	21.58	2,640	68.18	5,311	11.11	2,498	70.86	99,757	22.13	142	21.13
1984	110,954	18.85	1,579	98.16	0	--	1,579	98.16	110,954	18.85	0	0
1985	56,238	28.47	3,242	41.02	268	59.70	949	99.05	55,970	28.34	2,293	17.01
1986	94,390	21.81	10,024	58.36	51,781	14.60	8,001	50.87	42,609	30.58	2,023	87.99
1987	61,161	81.57	24,300	64.53	20,392	27.61	17,151	63.73	40,769	108.56	7,149	66.44
1988	38,585	107.58	81,628	96.87	21,626	77.21	63,065	77.21	16,959	121.29	18,563	55.65
1989:												
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3d quarter	11,270	194.85	20,369	103.64	8,941	185.10	20,036	103.51	2,329	232.29	333	111.11
4th quarter	11,465	163.11	9,645	110.52	11,416	162.75	9,377	110.48	49	224.49	268	111.94
1989 total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TO WESTERN EUROPE												
1978	49	285.71	0	--	33	393.94	0	--	16	62.50	0	--
1979	1,417	143.26	0	--	617	225.28	0	--	800	80.00	0	--
1980	3,859	38.87	0		3,415	27.53	0	--	444	126.13	0	--
1981	480	143.75	0		480	143.75	0	--	0		0	
1982	14	71.43	34	117.65	14	71.43	8	125.00	0		26	115.38
1983	38,570	40.87	0		7,567	36.08	0		31,093	41.93	0	
1984	30,122	44.05	5,138	23.55	2,790	44.09	0		27,332	44.01	5,138	23.55
1985	13,093	42.16	432	87.96	682	21.99	432	87.96	12,411	43.11	0	
1986	22,313	37.87	1,953	73.73	3,287	34.07	1,953	73.73	19,026	38.47	0	
1987	10,016	51.42	1,688	9.48	294	105.44	0		9,722	49.78	1,688	9.48
1988	6,373	104.19	1,275	83.14	525	116.19	482	93.36	5,848	103.11	793	76.92
1989:												
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3d quarter	651	278.03	0		87	275.86	0	--	564	278.37	0	
4th quarter	1,351	278.31	0	--	44	272.73	0	--	1,307	278.50	0	--
1989 total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA = not available.

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

Table 55—Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1984-89

(In thousand board feet, Scribner scale)

Agency	1984	1985	1986	1987	1988		1989				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Montana:											
USDA Forest Service a	457,599	552,665	496,622	502,115	428,062	64,453	111,368	102,410	166,650	28,336	408,764
U.S. Bur. Land Manage. b	4,647	7,940	10,259	7,696	6,086	53	280	3,965	586	NA	NA
U.S. Bur. Indian Affairs	23,891	19,671	22,172	28,480	50,383	15,679	17,992	17,620	27,016	7,484	70,112
State of Montana	22,095	23,280	26,083	55,614	42,035	11,607	17,542	2,374	9,177	14,856	43,949
Total	508,232	603,556	555,136	593,905	526,566	91,792	147,182	126,369	203,429	NA	NA
Idaho:											
USDA Forest Service a	674,122	704,023	649,631	654,748	745,226	54,482	178,543	244,490	277,486	98,123	798,642
U.S. Bur. Land Manage. b	2,302	10,990	21,645	16,374	8,058	629	60	8,805	396	7,146	16,407
U.S. Bur. Indian Affairs	6,850	4,994	784	4,214	2,718	0	0	0	7,310	0	7,310
State of Idaho	181,552	127,863	191,842	215,265	441,916	90,033	58,928	196,991	47,826	96,599	400,344
Total	864,826	847,870	863,902	890,601	1,197,918	145,144	237,531	450,286	333,018	201,868	1,222,703
All public lands:											
USDA Forest Service a	1,131,721	1,256,688	1,146,253	1,156,863	1,173,288	118,935	289,911	346,900	444,136	126,459	1,207,406
U.S. Bur. Land Manage. b	6,949	19,399	31,904	24,070	14,144	682	340	12,770	982	NA	NA
U.S. Bur. Indian Affairs	30,741	24,665	22,956	32,694	53,101	15,679	17,992	17,620	34,326	7,484	77,422
State of Montana	22,095	23,280	26,083	55,614	42,035	11,607	17,542	2,374	9,177	14,856	43,949
State of Idaho	181,552	127,863	191,842	215,265	441,916	90,033	58,928	196,991	47,826	96,599	400,344
Total	1,373,058	1,451,895	1,419,038	1,484,506	1,724,484	236,936	384,713	576,655	536,447	NA	NA

NA = not available.

^a Convertible products only.^b Does not include cull log sales.

Source: Respective agencies listed.

Table 56—Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1984-89

(In dollars per thousand board feet)

Agency	1984	1985	1986	1987	1988		1989				
					Average	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
Montana:											
USDA Forest Service a	27.12	23.30	22.16	35.71	47.40	43.50	84.70	109.22	99.82	90.00	97.37
U.S. Bur. Land Manage. b	27.46	16.71	34.67	38.62	55.75	48.38	15.00	96.76	56.83	NA	NA
U.S. Bur. Indian Affairs	34.08	41.39	63.63	78.91	61.33	34.16	25.49	28.91	181.63	63.68	90.59
State of Montana	72.37	79.34	64.85	65.09	79.45	104.07	140.71	126.48	162.89	170.16	154.53
Average	29.42	25.97	26.05	40.57	51.39	49.57	84.01	97.96	113.40	NA	NA
Idaho:											
USDA Forest Service a	46.45	23.74	33.31	46.26	56.54	28.52	78.35	94.39	87.27	50.13	82.89
U.S. Bur. Land Manage. b	96.26	40.25	24.70	33.56	78.10	37.32	55.13	78.22	36.74	39.75	60.38
U.S. Bur. Indian Affairs	82.36	55.09	94.71	79.58	31.71	—	—	—	76.29	—	76.29
State of Idaho	63.18	61.31	56.26	68.93	55.40	24.17	90.22	77.27	124.59	30.36	73.51
Average	50.38	29.80	38.25	51.66	56.21	25.86	81.29	86.59	92.33	40.30	79.48
All public lands:											
USDA Forest Service a	38.63	23.56	28.48	41.68	53.21	36.64	80.79	98.77	91.97	59.06	87.80
U.S. Bur. Land Manage. b	50.25	30.07	27.91	35.18	68.48	38.18	22.08	83.98	48.73	NA	NA
U.S. Bur. Indian Affairs	44.84	44.16	64.70	79.00	59.82	34.16	25.49	28.91	159.20	63.68	89.24
State of Montana	72.37	79.34	64.85	65.09	79.45	104.07	140.71	126.48	162.89	170.16	154.53
State of Idaho	63.18	61.31	56.26	68.93	55.40	24.17	90.22	77.27	124.59	30.36	73.51
Average	42.62	28.21	33.48	47.23	54.74	35.05	82.33	89.08	100.32	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 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 Does not include cull log prices.

Source: Respective agencies listed.

Table 57—Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1978-89^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
1978	41.20	113.50	146.00	44.70	85.80	42.50	144.90	69.60	37.30	64.80
1979	51.90	127.20	185.60	34.40	75.90	62.10	117.20	91.40	43.90	70.90
1980	20.50	112.70	80.10	42.70	44.10	171.80	123.20	73.80	30.10	53.40
1981	44.20	74.20	149.70	54.50	63.00	61.40	95.60	67.20	78.40	63.90
1982	26.60	48.10	81.40	34.60	27.20	71.10	60.90	28.30	37.70	36.20
1983	42.50	60.50	96.30	34.10	55.20	47.50	142.80	51.00	65.10	53.70
1984	46.90	66.50	104.90	37.30	39.00	44.50	106.70	49.50	45.00	49.20
1985	34.10	58.70	108.30	28.40	37.70	35.70	91.50	35.00	32.70	37.80
1986	35.10	64.30	119.20	35.90	37.60	34.60	73.10	32.90	32.10	37.40
1987	46.60	127.80	115.50	46.20	57.20	71.10	133.40	45.10	42.90	54.70
1988:										
1st quarter	54.70	84.60	107.10	44.90	40.80	48.00	119.90	53.10	50.90	54.00
2d quarter	64.50	128.20	100.00	59.30	78.80	98.70	84.40	73.80	79.70	76.70
3d quarter	54.80	85.60	64.30	52.60	64.40	79.00	93.40	67.70	52.60	59.50
4th quarter	35.40	60.10	30.50	67.30	49.00	85.60	18.30	53.70	52.10	54.80
1988 average	57.60	89.30	85.50	53.00	65.00	74.00	92.00	64.60	64.20	63.20
1989:										
1st quarter	76.11	49.27	65.73	102.10	53.31	150.28	80.17	86.10	110.68	94.48
2d quarter	104.88	139.17	126.79	142.86	135.25	142.38	178.11	104.69	150.63	131.06
3d quarter	132.35	182.48	157.85	127.33	174.92	94.52	129.88	151.44	131.12	130.02
4th quarter	90.06	78.73	85.26	130.05	192.03	167.97	253.33	274.55	144.71	139.44
1989 average	108.45	151.14	126.21	122.69	143.73	130.80	147.07	123.52	132.99	121.53

^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 salearea betterment (K-V funds). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for salearea 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 58—Volume and average value of timber harvested on the National Forests of the Northern Region, 1989

(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.	2.1	4.84	6.4	125.95	25.4	70.62	2.3	10.92	6.0	36.45
2d qtr.	.7	4.81	6.8	71.00	17.9	56.94	5.8	9.96	7.4	40.04
3d qtr.	3.9	19.98	6.4	41.51	57.0	55.00	3.9	9.11	11.0	44.53
4th qtr.	1.9	7.44	3.6	22.69	39.9	40.81	2.5	9.72	4.1	46.49
Total	8.6	12.35	23.2	70.52	140.2	54.03	14.6	9.84	28.5	41.94
	Flathead		Gallatin		Helena		Kootenai		Lewis and Clark	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	23.1	84.31	6.2	17.58	2.6	37.96	49.0	52.12	1.2	38.46
2d qtr.	11.0	48.59	.3	12.33	3.1	38.82	21.5	56.14	4.4	32.22
3d qtr.	26.2	40.13	7.2	18.47	8.1	25.82	86.9	60.32	6.0	25.71
4th qtr.	21.5	69.21	4.0	20.26	7.4	47.24	80.4	83.73	3.6	23.10
Total	81.8	61.40	17.7	18.44	21.2	36.68	237.7	66.17	15.2	27.96
	Lolo		Nezperce		Panhandle ^a		Northern Idaho		Montana	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	12.0	35.83	5.7	50.65	48.9	74.55	79.3	71.90	110.8	56.43
2d qtr.	25.9	26.15	9.8	38.27	45.4	85.19	70.8	68.71	86.9	40.50
3d qtr.	41.4	39.93	47.0	45.03	100.2	66.99	201.3	58.43	199.6	46.34
4th qtr.	30.1	55.53	39.1	17.49	90.8	65.82	162.2	48.02	158.7	67.47
Total	109.3	40.52	101.5	34.09	285.3	70.81	513.7	58.64	555.9	53.47
	Northeastern Washington		All Forests							
	Volume	Average value	Volume	Average value						
1st qtr.	.8	26.31	190.9	62.73						
2d qtr.	2.3	171.05	160.0	54.89						
3d qtr.	4.2	60.76	405.2	52.50						
4th qtr.	8.0	64.17	328.9	57.78						
Total	15.3	77.58	1,085.0	56.25						

^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 59—Volume of timber sold on publicly owned or managed lands in California, 1984-89

(In thousand board feet, Scribner scale)

Agency	1984	1985	1986	1987	1988		1989				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
USDA Forest Service a	1,490,204	1,608,346	1,472,112	1,627,653	2,027,116	289,500	392,895	335,687	483,839	228,061	1,440,482
U.S. Bur. Land Manage. b	13,140	16,616	20,398	19,685	12,167	778	647	3,350	7,312	598	11,907
U.S. Bur. Indian Affairs	3,634	4,342	81,529	10,036	0	0	0	0	7,185	0	7,185
State of California	33,529	27,232	31,316	40,300	34,129	202	20,748	12,498	856	2,056	36,158
Total	1,540,507	1,656,536	1,605,355	1,697,674	2,073,412	2 90,480	414,290	351,535	499,192	230,715	1,495,732

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.

Source: Respective agencies listed.

Table 60—Average stumpage prices of timber sold on publicly owned or managed lands in California, 1984-89

(In dollars per thousand board feet)

Agency	1984	1985	1986	1987	1988		1989				
					Average	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
USDA Forest Service a b	61.08	56.35	71.84	110.02	118.20	148.62	178.00	171.61	129.75	138.97	154.12
U.S. Bur. Land Manage. c	63.21	48.16	61.75	106.09	158.09	69.94	67.83	81.94	149.23	54.59	121.12
U.S. Bur. Indian Affairs	48.24	89.98	85.13	84.66	--		--	--	323.14	-	323.14
State of California	174.30	131.16	103.69	123.06	145.16	93.44	197.46	281.96	284.21	97.22	223.02
Average	63.53	57.58	73.01	110.14	118.88	148.37	178.80	174.68	133.08	138.38	156.34

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 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).

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 61—Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1978-89^a

(In dollars per thousand board feet)

Year and quarter	Douglas-fir	Ponderosa and Jeffrey pines	Sugar pine	Lodgepole pine	Cedars	True firs	All species
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1982	50.00	66.90	72.00	27.80	70.30	36.30	54.50
1983	63.30	104.00	136.70	28.80	84.60	53.80	76.90
1984	61.30	122.70	84.30	17.00	76.70	48.30	75.20
1985	63.00	101.40	109.70	17.90	112.90	33.60	69.80
1986	66.49	125.62	134.43	10.82	132.69	46.08	87.23
1987	81.15	209.31	287.63	11.40	138.66	49.90	124.89
1988:							
1st quarter	81.11	185.22	279.02	38.08	97.31	56.23	133.06
2d quarter	123.75	157.15	286.82	43.17	158.03	69.44	137.94
3d quarter	85.38	171.30	239.38	30.44	126.92	63.36	123.00
4th quarter	88.75	270.34	243.88	75.54	526.37	93.98	168.96
1988 average	95.64	182.14	260.43	43.20	190.90	68.89	135.65
1989:							
1st quarter	196.76	321.74	166.29	89.24	133.63	92.44	189.78
2d quarter	207.27	325.03	326.12	39.89	187.35	117.77	202.90
3d quarter	189.77	268.96	343.01	64.36	138.83	71.79	155.15
4th quarter	234.32	228.56	338.29	19.27	166.76	84.16	164.48
1989 average	201.26	291.96	289.15	57.02	153.30	88.30	177.60

^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 62--Volume and average value of timber harvested on the National Forests of the Pacific Southwest Region, 1989

(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.	0.1	27.83	0.1	47.94	4.4	58.45	9.3	141.03	28.8	48.84
2d qtr.	.1	35.78	.1	29.65	51.8	118.72	1.0	80.04	98.5	83.10
3d qtr.	.1	20.00	.1	27.35	95.4	82.87	2.6	8.32	111.9	92.60
4th qtr.	.1	39.59	.1	35.08	67.1	75.83	3.6	60.12	67.3	65.12
Total	.3	36.50	.4	35.63	218.8	88.72	16.6	98.78	306.5	79.40
	Lassen		Los Padres		Mendocino		Modoc		Plumas	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	11.9	173.19	.4	23.35	.7	34.64	5.9	190.38	2.6	22.11
2d qtr.	42.5	227.36	.1	18.97	22.3	128.39	10.5	234.06	44.5	133.18
3d qtr.	58.6	200.24	.2	25.47	45.5	97.20	32.2	204.78	100.7	138.79
4th qtr.	56.7	149.76	.1	26.19	24.1	125.03	18.9	262.26	54.4	131.75
Total	169.7	188.27	.8	24.18	92.7	111.45	67.6	224.15	202.2	134.16
	San Bernardino		Sequoia		Shasta		Sierra		Six Rivers	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	1.6	23.35	1.3	38.97	3.6	127.01	1.3	35.04	9.3	72.85
2d qtr.	.5	30.72	21.8	83.51	14.4	128.12	52.5	120.94	53.2	127.20
3d qtr.	1.1	39.61	21.9	59.96	29.9	109.36	69.3	109.66	89.8	189.97
4th qtr.	1.7	32.28	23.0	63.09	37.0	136.27	44.0	120.28	32.4	157.56
Total	5.0	30.84	67.9	68.19	84.9	125.03	167.1	115.42	184.8	160.31
	Stanislaus		Tahoe		Trinity		LTBMU ^b		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	17.6	57.19	1.2	22.67	6.2	136.38	0.0		106.3	88.49
2d qtr.	50.4	81.33	27.2	104.50	50.3	152.82	.9	18.23	542.7	123.09
3d qtr.	58.6	72.20	61.8	94.87	44.7	174.16	.6	28.33	825.1	123.89
4th qtr.	30.0	59.65	42.2	103.42	37.2	146.65	.4	16.98	540.4	114.52
Total	156.7	71.04	132.4	98.95	138.4	157.33	2.0	21.13	2,014.5	119.30

^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 63--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1985-89

(In thousand board feet, Scribner scale)

Agency				1988		1989					
	1985	1986	1987	Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total	
Western Washington:											
USDA Forest Service a	699,004	1,136,822	870,743	846,309	91,931	134,693	40,213	27,302	111,712	313,920	
U.S. Bur. Land Manage.	60	4,952	9	0	0	0	0	0	0	0	
U.S. Bur. Indian Aff.	25,739	26,421	43,459	60,138	18,547	2,191	8,418	4,188	7,705	22,502	
State of Washington b	768,035	731,001	733,225	690,735	157,845	200,040	225,750	121,410	192,410	739,610	
Total	1,492,838	1,899,196	1,647,436	1,597,182	268,323	336,924	274,381	152,900	311,827	1,076,032	
Eastern Washington:											
USDA Forest Service a	344,653	482,848	379,394	435,615	63,792	50,381	87,847	124,750	49,452	312,430	
U.S. Bur. Land Manage.	4,016	386	0	3,212	157	0	0	0	0	0	
U.S. Bur. Indian Aff.	227,939	92,765	238,327	147,407	89,910	0	56,280	5,946	71,782	134,008	
State of Washington b	98,235	114,790	98,955	117,565	24,380	14,970	50,510	8,090	27,020	100,590	
Total	674,843	690,789	720,320	703,799	178,239	65,351	194,637	138,786	148,254	547,028	
Western Oregon:											
USDA Forest Service a	2,123,325	2,613,915	2,414,761	2,317,248	330,839	439,487	87,682	201,159	100,088	828,416	
U.S. Bur. Land Manage.	974,921	1,474,511	1,108,209	914,107	168,371	208,465	187,164	181,211	126,669	703,509	
U.S. Bur. Indian Aff.	7,951	6,158	1,950	14,274	0	0	3,695	2,005	0	5,700	
State of Oregon	198,017	190,502	221,429	202,060	38,024	45,513	68,483	56,724	28,474	199,194	
Total	3,304,217	4,285,086	3,746,349	3,447,689	537,234	693,465	347,024	441,099	255,231	1,736,819	
Eastern Oregon:											
USDA Forest Service a	1,099,194	1,543,732	1,283,955	1,307,468	291,085	235,867	258,364	348,755	130,465	973,451	
U.S. Bur. Land Manage.	21,627	9,519	7,027	20,237	9,904	33	0	9,004	6,775	15,812	
U.S. Bur. Indian Aff.	93,700	73,048	82,418	94,379	21,150	0	92,380	0	0	92,380	
State of Oregon	243	8,335	6,179	2,411	0	477	2,059	0	0	2,536	
Total	1,214,764	1,634,634	1,379,579	1,424,495	322,139	236,377	352,803	357,759	137,240	1,084,179	
All public lands:											
USDA Forest Service a	4,266,176	5,777,317	4,948,853	4,906,640	777,647	860,428	474,010	701,966	391,717	2,428,217	
U.S. Bur. Land Manage.	1,000,624	1,489,368	1,118,889	937,556	178,432	208,498	187,164	190,215	133,444	719,321	
U.S. Bur. Indian Aff.	355,329	198,392	366,154	316,198	129,607	2,191	160,773	12,139	79,487	254,590	
State of Washington b	866,270	845,791	832,180	808,300	182,225	215,010	276,260	129,500	219,430	840,200	
State of Oregon	198,260	198,837	227,608	204,471	38,024	45,990	70,542	56,724	28,474	201,730	
Total	6,686,659	8,509,705	7,493,684	7,173,165	1,305,935	1,332,117	1,168,845	1,090,544	852,552	4,444,058	

^a Convertible products only.

^b Excludes sales under \$20,000.

Source: Respective agencies listed.

Table 64--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1985-89

(In dollars per thousand board feet)

	1988				1989					
Agency	1985	1986	1987	Average	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
Western Washington:										
USDA Forest Service a	62.47	91.06	114.82	167.15	166.09	236.97	192.76	102.48	290.19	238.55
U.S. Bur. Land Manage.	95.00	61.64	44.00							
U.S. Bur. Indian Aff.	54.85	67.32	86.23	155.36	157.24	183.72	139.94	172.38	213.16	175.31
State of Washington b	111.38	133.44	224.64	270.12	279.49	289.43	364.67	365.28	353.57	341.53
Average	87.50	106.96	162.94	211.24	232.19	267.77	332.58	313.07	327.39	308.01
Eastern Washington:										
USDA Forest Service a	28.40	33.49	48.69	85.23	89.06	88.25	102.21	88.64	138.18	100.23
U.S. Bur. Land Manage.	31.54	41.98	61.48	50.44	56.00		--			
U.S. Bur. Indian Aff.	151.94	128.39	149.60	130.84	128.99	--	183.79	242.55	314.51	256.42
State of Washington b	71.27	107.87	131.09	178.66	144.34	125.96	246.93	236.59	234.73	224.82
Average	76.54	58.60	93.46	110.23	116.74	96.89	163.35	103.86	241.15	161.40
Western Oregon:										
USDA Forest Service a	81.91	116.53	140.81	194.75	215.51	258.02	255.81	308.07	327.75	278.36
U.S. Bur. Land Manage.	82.32	95.12	118.46	157.59	180.52	230.39	289.53	318.83	377.27	295.35
U.S. Bur. Indian Aff.	156.29	161.02	199.17	200.87	--	--	374.29	183.36	--	307.13
State of Oregon	133.07	134.35	183.98	244.76	246.67	291.55	359.23	341.09	372.88	340.55
Average	85.28	110.02	136.78	187.85	206.75	251.91	295.67	316.17	357.36	292.47
Eastern Oregon:										
USDA Forest Service a	83.68	104.36	138.45	153.51	163.42	193.63	192.45	196.01	95.76	181.05
U.S. Bur. Land Manage.	32.48	42.17	192.94	51.08	37.68	48.64	--	170.42	87.52	134.65
U.S. Bur. Indian Aff.	86.41	103.48	133.65	177.67	231.74	--	139.94	--	--	139.94
State of Oregon	92.93	59.88	187.33	158.58		85.95	73.34			75.71
Average	82.98	103.73	138.66	153.66	164.04	193.39	178.00	195.36	95.36	176.63
All public lands:										
USDA Forest Service a	74.88	101.33	128.56	169.28	179.80	227.13	187.47	205.40	215.84	211.29
U.S. Bur. Land Manage.	81.03	94.66	118.74	154.92	172.49	230.36	289.53	311.80	362.56	291.82
U.S. Bur. Indian Aff.	127.73	112.10	138.75	152.64	149.80	183.72	160.67	208.57	304.68	208.12
State of Washington b	106.83	129.97	213.51	256.82	261.41	278.05	343.14	357.24	338.94	327.56
State of Oregon	149.48	131.23	184.07	243.74	246.67	289.42	350.89	341.09	372.88	337.22
Average	84.96	103.96	138.71	178.65	189.16	237.93	246.78	249.08	284.02	251.84

^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 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). 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 65—Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1978-89^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												
1978	250.31	98.50	218.70	207.90	123.70	41.60	85.40	109.50	111.70	206.60	56.40	122.50	99.10	185.00
1979	394.30	81.70	238.00	267.30	181.90	47.10	51.60	227.90	197.10	329.10	90.50	211.30	189.80	270.00
1980	432.20	70.80	190.80	167.00	102.80	44.60	34.20	306.50	208.00	301.00	43.60	241.80	167.90	285.50
1981	350.20	94.00	206.40	174.50	100.60	36.60	15.00	238.00	162.00	168.70	69.70	147.30	103.80	230.60
1982	118.20	5.80	78.60	83.60	50.00	17.40	19.50	49.50	44.60	101.90	37.50	28.40	40.00	80.20
1983	161.60	37.60	134.30	131.80	74.30	20.20	28.70	30.00	61.90	88.70	31.80	42.40	58.30	112.50
1984	132.90	43.00	143.70	201.80	93.20	21.20	21.00	52.10	61.20	186.60	42.50	92.60	43.50	94.60
1985	126.20	32.20	166.00	192.60	109.30	14.20	18.40	77.70	50.00	123.70	50.60	57.60	41.20	101.40
1986	160.70	34.10	196.30	199.10	116.70	9.40	38.10	93.90	74.10	156.30	48.50	84.30	47.70	127.90
1987	190.20	46.00	267.10	300.60	220.10	18.00	24.00	81.20	103.70	192.40	46.30	101.90	63.70	161.50
1988:														
1st quarter	253.10	93.60	321.10	290.10	251.40	31.60	78.40	65.90	144.20	158.60	85.60	116.90	73.80	203.30
2d quarter	266.00	73.00	295.40	250.10	219.60	22.40	57.90	74.00	173.80	198.50	70.00	101.70	107.40	210.20
3d quarter	232.67	82.91	269.52	187.86	234.34	35.06	30.37	53.82	155.95	461.11	85.83	194.23	87.09	195.95
4th quarter	284.76	77.93	287.25	326.25	257.92	61.36	97.99	149.43	171.60	224.91	82.41	152.77	86.01	220.84
1988 average	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:														
1st quarter	360.31	197.49	312.14	271.10	273.00	54.91	123.94	43.69	186.94	200.05	117.55	178.45	126.47	271.52
2d quarter	357.00	135.74	329.01	351.51	345.95	19.53	106.37	37.91	116.94	58.50	122.71	260.86	148.07	237.50
3d quarter	453.53	158.30	367.11	233.07	258.00	90.75	116.17	131.75	77.38	129.98	158.02	81.79	123.33	273.18
4th quarter	426.60	152.68	213.21	394.23	239.84	35.01	78.97	71.57	327.76	179.13	90.02	278.22	230.13	291.27
1989 average	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

^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 salearea betterment are included in the bid.

^b Includes Port-Orford-cedar.

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

Table 66—Volume and average value of timber harvested on the National Forests of the Pacific Northwest Region, 1989

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

Quarter	Colville		Deschutes		Fremont		Glifford Pinchot		Malheur	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	35.9	73.12	60.6	67.90	21.5	252.39	49.5	191.68	49.8	227.45
2d qtr.	18.2	87.14	59.2	91.10	16.0	216.69	123.3	167.64	30.5	217.45
3d qtr.	37.4	76.53	55.4	83.52	55.7	153.96	127.2	161.72	73.0	145.32
4th qtr.	37.0	68.85	63.1	123.42	78.2	190.82	111.3	164.05	95.5	152.47
Total	128.5	74.86	229.3	92.03	171.4	188.99	411.3	167.73	248.8	173.33
	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.	13.2	234.74	36.7	229.06	37.0	199.24	20.5	105.58	35.9	125.67
2d qtr.	52.4	166.70	73.9	189.18	19.3	204.05	16.9	65.33	43.0	122.51
3d qtr.	60.1	145.78	94.2	132.87	43.0	204.92	35.2	102.47	42.6	134.59
4th qtr.	36.4	173.13	74.4	153.31	50.3	217.35	28.6	100.64	33.7	150.71
Total	162.0	165.93	279.3	165.88	149.6	207.58	101.1	96.38	155.2	133.49
	Rogue River ^a		Siskiyou ^a		Sluslaw		Umatilla		Umpqua	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	37.5	183.63	55.5	172.15	85.8	229.24	28.3	103.51	49.2	166.98
2d qtr.	57.2	180.42	67.2	228.25	96.6	241.29	25.0	101.21	144.2	199.95
3d qtr.	75.2	182.90	61.2	170.68	53.4	228.50	106.3	71.71	226.9	228.68
4th qtr.	32.5	194.63	37.1	186.86	49.4	251.38	76.4	93.39	112.3	222.83
Total	202.3	184.21	221.1	191.27	285.2	237.01	236.1	85.67	532.6	213.97
	Wallowa-whit man		Wenatchee		Willamette		Winema		Western Oregon	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	40.1	121.43	35.6	92.47	128.4	225.39	71.7	254.65	391.9	207.91
2d qtr.	28.2	117.27	37.0	94.17	212.4	205.82	70.2	180.01	650.9	207.97
3d qtr.	78.6	50.16	70.4	99.97	263.6	195.98	42.3	158.69	773.3	196.93
4th qtr.	86.3	53.51	49.9	91.19	182.4	216.61	57.8	205.97	486.5	208.31
Total	233.1	71.77	192.8	95.20	786.7	208.22	242.0	204.60	2,302.6	204.32
	Eastern Oregon		Western Washington		Eastern Washington		Northern California		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	308.6	175.81	98.7	174.66	92.3	87.88	1.1	160.24	892.6	180.66
2d qtr.	236.8	155.22	218.7	158.55	74.7	87.05	.6	213.07	1,181.7	180.61
3d qtr.	440.5	114.71	229.8	152.53	156.8	88.54	1.1	145.48	1,601.5	157.30
4th qtr.	495.7	144.21	181.4	163.39	127.4	81.28	1.6	169.22	1,292.6	164.85
Total	1,481.6	143.78	728.6	160.04	451.2	86.11	4.5	167.07	4,968.5	169.01

^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 67—Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1989^{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	28,700	382.81	20,800	350.98	570	115.47	19,920	151.18	170	16.43	93,760	247.90
2d quarter	1,850	177.91	0		0	--	850	108.57	1,450	76.47	4,581	118.95
3d quarter	1,490	578.86	30	277.60	0	--	35	205.71	0	--	2,185	415.38
4th quarter	36,410	364.86	15,940	322.98	1,500	186.99	25,620	507.91	2,820	123.82	108,782	392.89
Total and average	68,450	371.99	36,770	338.78	2,070	167.30	46,425	347.31	4,440	104.24	209,308	322.18
Rogue River--												
1st quarter	11,150	309.08	0		890	236.09	0	--	5,450	192.32	28,410	255.32
2d quarter	6,120	489.40	0		0	--	160	83.30	1,030	151.23	10,010	403.86
3d quarter	120	254.51	0	--	0	--	0	--	150	260.00	530	154.85
4th quarter	29,463	453.01	0	--	4,070	284.35	0	--	19,051	343.80	65,439	362.80
Total and average	46,853	423.00	0	--	4,960	275.69	160	83.30	25,681	303.44	104,389	336.43
Siskiyou--												
1st quarter	2,450	373.15	0		0	--	0	--	0	--	2,860	579.58
2d quarter	0		0		0	--	0	--	0	--	0	
3d quarter	1,260	25.96	0		0	--	0	--	10	82.00	1,270	26.40
4th quarter	44,250	759.74	0	--	0	--	2,150	31.29	130	126.00	55,210	689.44
Total and average	47,960	720.72	0		0	--	2,150	31.29	140	122.86	59,340	669.96
Siuslaw--												
1st quarter	61,091	330.95	0		0	--	4,730	93.44	0	--	69,890	298.13
2d quarter	21,218	361.61	0		0	--	3,706	110.73	0	--	27,049	304.30
3d quarter	16,305	358.03	0		0	--	640	67.05	0	--	26,124	240.95
4th quarter	56,968	504.82	0		0	--	1,610	110.67	0	--	59,698	485.32
Total and average	155,582	401.63	0		0	--	10,686	100.45	0	--	182,761	352.01
Umpqua--												
1st quarter	89,880	319.64	0		0	--	8,400	10.60	2,800	37.56	130,131	256.77
2d quarter	13,980	350.63	0		0	--	0	--	0	--	17,495	304.46
3d quarter	2,170	288.73	0	--	0	--	0	--	0	--	3,523	259.19
4th quarter	86,750	575.22	0		1,600	126.84	10,650	68.26	600	27.98	131,170	417.13
Total and average	192,780	436.55	0		1,600	126.84	19,050	42.83	3,400	35.87	282,319	334.27
Willamette--												
1st quarter	61,575	384.99	0		0	--	8,750	160.96	2,400	40.55	102,865	263.84
2d quarter	13,344	299.55	0		0	--	780	244.33	1,800	13.33	16,929	250.71
3d quarter	109,030	461.59	0		0	--	10,140	69.31	0	--	153,560	349.86
4th quarter	167,348	606.11	0	--	0	--	21,200	98.26	3,500	49.56	252,880	439.07
Total and average	351,297	510.85	0	--	0	--	40,870	107.29	7,700	38.28	526,234	372.72
All western Oregon:												
1st quarter	254,846	345.31	20,800	350.98	1,460	189.00	41,800	118.45	10,820	115.84	427,916	265.34
2d quarter	56,512	352.06	0		0	--	5,496	128.55	4,280	67.91	76,064	294.35
3d quarter	130,375	442.70	30	277.60	0	--	10,815	69.62	160	248.88	187,192	330.97
4th quarter	421,189	570.62	15,940	322.98	7,170	228.84	61,230	262.42	26,101	272.23	673,179	444.55
Total and average	862,922	470.44	36,770	338.78	8,630	222.10	119,341	188.36	41,361	210.09	1,364,351	364.39
Western Washington:												
Gifford Pinchot--												
1st quarter	42,840	333.06	0		0	--	17,800	216.08	2,660	232.78	74,570	256.95
2d quarter	16,385	318.37	0		0	--	4,130	38.65	2,280	134.63	27,385	214.27
3d quarter	6,885	65.90	0		0	--	0	--	1,380	130.80	9,395	72.39
4th quarter	67,670	427.40	0	--	0	--	7,710	218.74	29,595	362.23	128,195	329.12
Total and average	133,780	365.23	0		0	--	29,640	192.05	35,915	329.30	239,545	283.46
Mount Baker-Snoqualmie--												
1st quarter	12,500	320.04	0		0	--	18,550	246.17	0	--	36,955	243.41
2d quarter	1,627	356.46	0		0	--	1,560	239.23	1,023	327.09	6,195	219.99
3d quarter	611	315.47	0		0	--	557	110.06	1,890	149.61	3,586	189.46
4th quarter	35,864	437.07	0		0	--	32,237	286.50	8,200	303.99	94,597	331.33
Total and average	50,602	404.10	0		0	--	52,904	269.11	11,113	279.86	141,333	299.86
Olympic--												
1st quarter	4,200	326.92	0		0	--	13,970	768.00	180	150.00	22,330	174.28
2d quarter	1,620	193.17	0		0	--	920	80.22	0	--	2,805	142.20
3d quarter	3,275	159.47	0		0	--	2,665	262.58	480	80.09	8,140	163.61
4th quarter	8,245	302.74	0		0	--	11,625	244.86	0	--	21,800	249.67
Total and average	17,340	271.30	0		0	--	29,180	204.49	660	99.16	55,075	200.91

Table 67—Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1989^{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	59,540	329.89	0	--	0	--	50,320	213.83	2,840	227.53	133,855	239.42
2d quarter	19,632	311.19	0	--	0	--	6,610	91.77	3,303	194.24	36,385	209.69
3d quarter	10,771	108.50	0	--	0	--	3,222	236.21	3,750	133.79	21,121	127.42
4th quarter	111,779	421.31	0	--	0	--	51,572	266.98	37,795	349.60	244,592	322.89
Total and average	201,722	366.91	0	--	0	--	111,724	231.79	47,688	314.60	435,953	278.35
All western Oregon and western Washington:												
1st quarter	314,386	342.39	20,800	350.98	1,460	189.00	92,120	170.55	13,660	139.07	561,771	259.17
2d quarter	76,144	341.53	0	--	0	--	12,106	108.47	7,583	122.94	112,449	266.96
3d quarter	141,146	417.20	30	277.60	0	--	14,037	107.86	3,910	138.50	208,313	310.33
4th quarter	532,968	539.31	15,940	322.98	7,170	228.84	112,802	264.51	63,896	317.99	917,771	412.13
Total and average	1,064,644	450.82	36,770	338.78	8,630	222.10	231,065	209.36	89,049	266.05	1,800,304	343.55
Eastern Oregon:												
Deschutes--												
1st quarter	0	--	2,220	123.54	7,265	395.78	0	--	4,860	67.05	23,220	177.28
2d quarter	0	--	0	--	3,255	415.25	0	--	1,925	63.03	8,755	214.31
3d quarter	0	--	0	--	20,470	94.16	0	--	0	--	45,780	64.43
4th quarter	0	--	0	--	4,010	524.94	0	--	1,070	136.21	15,160	175.49
Total and average	0	--	2,220	123.54	35,000	235.99	0	--	7,855	75.48	92,915	124.88
Fremont--												
1st quarter	0	--	0	--	24,130	311.84	0	--	7,300	157.21	39,780	233.36
2d quarter	0	--	0	--	12,235	304.11	0	--	7,500	236.13	24,335	247.60
3d quarter	0	--	0	--	44,520	407.62	0	--	18,590	82.51	76,220	270.83
4th quarter	0	--	0	--	13,900	384.05	0	--	2,850	90.01	18,800	300.30
Total and average	0	--	0	--	94,785	366.42	0	--	36,240	129.94	159,135	261.39
Malheur--												
1st quarter	0	--	12,510	63.61	39,850	278.76	0	--	8,980	78.81	64,140	199.99
2d quarter	0	--	9,600	61.67	41,500	338.80	0	--	4,800	37.37	61,255	243.02
3d quarter	0	--	5,572	94.94	46,463	390.95	0	--	3,350	74.20	55,785	339.63
4th quarter	0	--	7,805	65.05	12,540	266.66	0	--	5,335	68.92	28,715	161.68
Total and average	0	--	35,487	68.32	140,353	332.57	0	--	22,465	66.92	209,895	244.42
Ochoco--												
1st quarter	0	--	1,000	72.02	27,100	252.62	0	--	3,500	258.85	31,600	247.60
2d quarter	0	--	5,400	104.16	38,100	319.59	0	--	700	25.94	44,200	288.62
3d quarter	0	--	4,600	56.35	13,760	395.15	0	--	2,000	31.68	20,360	282.90
4th quarter	0	--	0	--	3,900	370.00	0	--	600	70.83	4,500	330.11
Total and average	0	--	11,000	81.25	82,860	312.61	0	--	6,800	151.47	100,660	276.44
Umatilla--												
1st quarter	0	--	9,300	90.11	7,800	381.31	0	--	7,850	96.61	42,310	132.12
2d quarter	0	--	7,220	146.81	8,260	355.92	0	--	11,520	131.28	37,810	151.10
3d quarter	0	--	13,310	252.02	9,370	301.45	0	--	21,820	104.79	58,300	148.23
4th quarter	0	--	0	--	46	229.24	0	--	0	--	46	229.24
Total and average	0	--	29,830	176.08	25,476	343.43	0	--	41,190	110.64	138,466	144.12
Wallowa-Whitman--												
1st quarter	0	--	1,490	122.37	4,104	172.02	0	--	1,600	98.63	10,744	104.96
2d quarter	0	--	7,390	80.16	1,540	159.63	0	--	3,810	118.12	38,540	98.75
3d quarter	0	--	28,890	123.16	2,010	150.50	0	--	6,030	83.43	41,920	106.37
4th quarter	0	--	9,840	63.50	16,460	227.92	0	--	10,050	56.44	41,290	126.36
Total and average	0	--	47,610	104.13	24,114	207.59	0	--	21,490	78.09	132,494	110.27
Winema--												
1st quarter	0	--	0	--	8,885	441.16	0	--	1,910	178.30	13,960	307.69
2d quarter	0	--	1,300	130.62	9,550	438.17	0	--	2,050	62.47	18,615	311.28
3d quarter	0	--	2,200	360.59	12,000	313.81	0	--	7,400	194.52	42,440	176.68
4th quarter	0	--	3,500	141.29	1,100	169.34	0	--	8,600	304.38	13,200	249.89
Total and average	0	--	7,000	208.23	31,535	382.31	0	--	19,960	226.74	88,215	236.77
All eastern Oregon:												
1st quarter	0	--	26,520	81.54	119,134	301.80	0	--	36,000	120.66	225,754	199.61
2d quarter	0	--	30,910	96.30	114,440	337.99	0	--	32,305	129.40	233,510	217.80
3d quarter	0	--	54,572	155.65	148,593	340.32	0	--	59,190	102.63	340,805	202.16
4th quarter	0	--	21,145	76.95	51,956	311.39	0	--	28,505	140.23	121,711	188.65
Total and average	0	--	133,147	114.61	434,123	325.67	0	--	156,000	119.21	921,780	203.72

Table 67—Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1989^{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 fir ^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	--	9,570	144.59	20	20.00	140	59.57	9,320	18.73	22,140	77.98
2d quarter	0	--	16,333	143.32	337	157.81	0	--	4,425	74.99	27,400	103.18
3d quarter	0	--	11,013	126.28	460	156.17	0	--	5,570	31.70	27,320	110.36
4th quarter	0	--	3,490	112.09	700	149.56	0	--	1,131	55.42	6,098	107.31
Total and average	0	--	40,406	136.28	1,517	151.69	140	59.57	20,446	36.47	82,958	99.12
Okanogan—												
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter	0	--	18,329	172.44	4,550	183.63	0	--	0	--	30,970	131.87
3d quarter	0	--	18,466	203.44	3,717	210.32	0	--	0	--	37,162	155.29
4th quarter	0	--	0	--	0	--	0	--	0	--	0	--
Total and average	0	--	36,795	188.00	8,267	195.63	0	--	0	--	68,132	144.65
Wenatchee—												
1st quarter	0	--	12,455	96.13	4,555	177.27	0	--	5,680	61.83	27,940	97.23
2d quarter	0	--	3,481	72.31	7,200	109.37	0	--	3,207	153.52	14,468	105.37
3d quarter	0	--	11,985	88.71	8,600	76.44	350	130.00	24	179.00	23,185	80.12
4th quarter	0	--	31,025	214.14	4,900	132.18	10,395	117.71	6,000	222.69	72,660	161.74
Total and average	0	--	58,946	155.33	25,255	114.83	10,745	118.11	14,911	146.47	138,253	129.12
All eastern Washington:												
1st quarter	0	--	22,025	117.19	4,575	176.59	140	59.57	15,000	35.05	50,000	88.72
2d quarter	0	--	38,143	150.83	12,087	138.67	0	--	7,632	107.99	87,889	121.42
3d quarter	0	--	41,464	149.78	12,777	118.25	350	130.00	5,594	32.34	87,889	121.42
4th quarter	0	--	34,515	203.82	5,600	134.35	10,395	117.71	7,131	196.16	78,758	157.53
Total and average	0	--	136,147	158.50	35,039	135.49	10,885	117.36	35,357	82.86	289,343	124.17
All eastern Oregon and eastern Washington:												
1st quarter	0	--	48,545	97.71	123,709	297.17	140	59.57	51,000	95.48	275,834	179.48
2d quarter	0	--	69,053	126.42	126,527	318.95	0	--	39,937	125.31	306,348	193.55
3d quarter	0	--	96,036	153.11	161,370	322.74	350	130.00	64,784	96.56	428,472	185.64
4th quarter	0	--	55,660	155.62	57,556	294.16	10,395	117.71	35,636	151.42	200,469	176.42
Total and average	0	--	269,294	136.80	469,162	311.47	10,885	117.36	191,357	112.49	1,211,123	184.71
Pacific Northwest Region:												
1st quarter	314,386	342.39	69,345	173.68	125,169	295.91	92,260	170.38	64,660	104.69	837,605	232.93
2d quarter	76,144	341.53	69,053	126.42	126,527	318.95	12,106	108.47	47,520	124.93	418,797	213.26
3d quarter	141,146	417.20	96,066	153.15	161,370	322.74	14,387	108.40	68,694	98.95	636,785	226.43
4th quarter	532,968	539.31	71,600	192.88	64,726	286.93	123,197	252.12	99,532	258.36	1,118,240	369.87
Total and average	1,064,644	450.82	306,064	161.07	477,792	309.85	241,950	205.22	280,406	161.26	3,011,427	279.67
All of Oregon:												
1st quarter	254,846	345.31	47,320	199.97	120,594	300.43	41,800	118.45	46,820	119.55	653,670	242.64
2d quarter	56,512	352.06	30,910	96.30	114,440	337.99	5,496	128.55	36,585	122.21	309,574	236.61
3d quarter	130,375	442.70	54,602	155.71	148,593	340.32	10,815	69.62	59,350	103.03	527,997	247.83
4th quarter	421,189	570.62	37,085	182.70	59,126	301.38	61,230	262.42	54,606	203.33	794,890	405.37
Total and average	862,922	470.44	169,917	163.12	442,753	323.65	119,341	188.36	197,361	138.25	2,286,131	299.60
All of Washington:												
1st quarter	59,540	329.89	22,025	117.19	4,575	176.59	50,460	213.40	17,840	65.69	183,935	198.39
2d quarter	19,632	311.19	38,143	150.83	12,087	138.67	6,610	91.77	10,935	134.04	109,223	147.09
3d quarter	10,771	108.50	41,464	149.78	12,777	118.25	3,572	225.80	9,344	73.05	108,788	122.58
4th quarter	111,779	421.31	34,515	203.82	5,600	134.35	61,967	241.94	44,926	325.24	323,350	282.61
Total and average	201,722	366.91	136,147	158.50	35,039	135.49	122,609	221.63	83,045	215.93	725,296	216.84

^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 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).

^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 68—Volume of timber sold on publicly owned or managed lands in Alaska, 1984-89

(In thousand board feet, Scribner scale)

Agency	1984	1985	1986	1987	1988		1989				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
USDA Forest Service ^a	60,207	51,110	255,598	137,587	20,188	2,217	56	36,541	112,327	19,126	168,050
U.S. Bur. Land Manage. ^b	0	66	322	0	0	0	0	21	0	0	21
U.S. Bur. Indian Affairs	0	871	0	15,300	0	0	0	0	65	0	65
State of Alaska	21,087	20,178	13,111	27,219	25,492	9,832	1,723	2,885	8,399	5,757	18,764
Total	81,294	72,225	269,031	180,106	45,680	12,049	1,779	39,447	120,791	24,883	186,900

^a Convertible products only.

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

Source: Respective agencies listed.

Table 69—Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1984-89

(In thousand board feet, Scribner scale)

Agency	1984	1985	1986	1987	1988		1989				
					Average	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
USDA Forest Service a	17.65	6.97	9.12	26.79	73.61	27.07	10.47	144.47	112.74	130.17	121.59
U.S. Bur. Land Manage. b	--	9.47	39.79	--	--	--	--	64.48	--	--	64.48
U.S. Bur. Indian Affairs	--	46.93		64.59	--		--	--	16.20	--	16.20
State of Alaska	14.95	15.53	13.88	10.76	28.87	23.02	12.79	18.87	33.19	37.20	30.35
Average	16.95	9.85	9.39	27.58	48.64	23.77	12.72	135.24	107.16	108.66	112.39

^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 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).

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

Source: Respective agencies listed.

Table 70—Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1978-89^a

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedars	Other softwoods	All species
1978	99.17	4.27	b	136.17	40.57
1979	289.50	100.00	b	161.70	142.70
1980	213.30	18.40	b	437.40	101.10
1981	131.60	24.30	b	4.50	47.50
1982	39.00	14.50	b	35.70	32.40
1983	29.00	6.70	b	8.90	14.60
1984	18.83	4.67	b	76.32	18.86
1985	18.78	5.73	b	29.97	13.77
1986	18.08	17.41	b	32.46	18.94
1987	58.23	25.02	b	167.06	55.76
1988:					
1st quarter	27.00	7.92	19.10	5.98	12.88
2d quarter	23.50	1.00	149.80	14.76	42.95
3d quarter	227.27	45.92	410.77	10.10	121.89
4th quarter	56.42	4.45	510.25	35.42	28.80
1988 average	168.95	33.91	277.17	15.50	83.77
1989:					
1st quarter	--	8.00	22.65	--	14.64
2d quarter	273.36	131.15	418.08	--	216.40
3d quarter	136.97	62.56	201.62	50.74	113.45
4th quarter	294.94	70.62	441.99	33.68	191.90
1989 average^b	201.35	84.86	290.31	46.55	156.68

^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 salearea 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 71—Volume and average value of all species of all timber products sold from the USDA Forest Service Regions of the Western United States, 1978-89^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—west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume ^b	Value
1978	1,090.9	61.35	366.8	23.21	386.3	86.19	364.0	36.75	1,983.1	145.80	1,490.0	149.61	3,351.4	184.32	178.3	33.99
1979	1,089.1	66.23	382.3	8.41	368.4	90.64	330.3	40.59	2,051.8	200.54	1,690.6	153.84	3,674.3	296.69	132.2	127.55
1980	1,158.5	46.48	324.9	5.48	338.1	49.11	368.7	26.80	1,867.3	242.22	1,568.2	119.53	3,758.4	311.11	290.7	47.65
1981	1,033.7	57.45	417.7	0.68	444.7	86.38	342.0	16.05	1,886.6	148.14	1,678.6	129.01	3,616.1	246.29	151.9	43.37
1982	1,004.8	33.22	338.7	5.72	358.0	23.32	342.6	11.52	1,674.1	52.23	1,471.3	48.59	3,485.7	82.95	73.9	31.42
1983	1,055.3	45.93	330.0	13.64	355.2	35.74	395.4	20.89	1,782.4	70.75	1,625.8	68.28	3,333.5	110.12	82.4	14.68
1984	865.9	33.16	455.8	12.27	409.4	35.03	381.2	16.69	1,473.1	61.21	1,629.4	64.18	3,278.2	86.00	60.2	17.65
1985	948.4	26.07	443.7	8.64	293.0	21.64	428.7	15.12	1,602.7	56.37	1,442.0	70.54	2,826.3	77.08	51.1	6.98
1986	926.8	28.23	334.0	19.68	483.9	26.36	447.7	23.74	1,456.9	72.30	2,020.7	87.64	3,761.9	108.49	255.6	9.12
1987	942.0	41.20	427.5	20.79	420.3	52.67	367.7	36.19	1,617.2	110.47	1,637.0	119.09	3,284.7	133.99	137.6	26.79
1988:																
1st qtr.	162.3	43.54	100.2	35.56	99.4	73.32	87.2	88.43	404.8	123.86	472.8	158.65	731.0	176.00	2.9	11.95
2d qtr.	269.1	58.76	99.6	34.75	79.5	55.12	151.7	73.55	566.1	119.03	476.5	123.54	1,159.7	191.54	3.2	38.01
3d qtr.	399.4	42.98	167.6	31.14	163.3	32.03	94.6	22.09	752.7	103.08	430.9	116.75	858.9	182.50	11.9	106.87
4th qtr.	88.1	30.09	41.9	34.37	100.9	51.77	53.3	25.26	288.4	149.16	354.8	150.10	422.8	204.77	2.2	27.07
Total or average	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:																
1st qtr.	209.9	84.82	71.2	47.83	60.6	77.69	86.6	67.06	392.8	178.02	286.2	175.09	574.2	253.08	.1	10.47
2d qtr.	279.1	101.95	120.6	36.31	42.3	58.09	109.8	64.14	335.0	171.93	346.1	169.60	127.9	235.99	36.5	144.47
3d qtr.	345.6	97.04	122.3	47.01	153.5	57.15	138.7	59.26	482.6	130.05	470.8	168.55	228.5	283.50	661.6	779.41
4th qtr.	69.6	67.53	55.9	54.84	58.9	47.31	68.7	44.41	228.1	138.97	179.7	107.54	211.8	307.94	19.1	130.13
Total or average	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

^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.

Table 72—Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1978-89^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—west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1978	1,005.8	50.55	276.5	17.85	345.2	66.16	397.6	32.23	1,788.2	102.41	1,446.9	104.11	3,067.3	133.91	408.6	4.37
1979	957.5	55.47	293.8	15.27	385.8	64.72	412.7	48.16	1,726.6	100.08	1,259.8	118.33	3,123.6	142.46	459.5	4.38
1980	834.1	35.97	240.0	11.48	336.1	44.27	268.9	24.06	1,507.8	86.82	1,139.8	90.15	2,349.6	142.44	453.6	15.34
1981	864.0	36.53	256.8	12.15	267.6	53.63	301.3	21.62	1,091.9	95.71	1,055.1	87.72	1,923.7	135.29	387.5	13.20
1982	528.9	22.39	258.7	6.97	180.0	25.29	287.8	11.13	937.3	47.80	890.2	53.86	1,568.0	87.06	345.5	14.61
1983	1,071.9	38.15	345.8	10.48	378.4	42.52	417.2	20.09	1,676.3	97.71	1,542.8	95.43	2,744.7	96.03	251.9	10.01
1984	921.8	40.89	386.6	13.80	401.6	30.84	385.9	17.16	1,559.1	80.13	1,715.5	87.03	2,953.7	100.52	269.6	14.91
1985	991.9	36.70	372.2	13.47	426.7	45.80	438.2	17.47	1,815.5	72.82	1,776.6	86.39	2,983.9	87.28		-10.47
1986	1,016.1	37.73	452.6	12.91	502.6	46.32	476.9	17.43	1,952.3	82.15	1,948.9	92.84	3,306.1	99.15	272.2	3.29
1987	1,132.1	42.05	433.4	14.92	486.6	56.42	446.2	25.51	1,960.3	102.57	1,970.2	106.03	3,470.6	118.58	352.2	-8.87
1988:																
1st qtr.	183.7	46.13	73.6	22.39	49.5	40.10	53.2	32.40	225.2	83.49	418.2	137.03	769.4	153.97	68.0	5.57
2d qtr.	158.7	52.88	59.1	24.15	107.6	70.92	70.4	39.36	549.4	104.74	327.6	113.56	1,048.0	189.49	109.8	3.51
3d qtr.	310.1	43.49	133.1	14.74	162.0	71.69	167.0	32.32	875.4	106.92	400.1	111.30	988.0	152.52	130.8	4.84
4th qtr.	268.3	46.44	153.8	15.78	203.6	54.86	158.7	29.04	510.6	109.48	581.5	120.87	973.4	165.15	100.3	5.89
Total or average	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:																
1st qtr.	190.9	62.73	75.4	32.46	41.5	68.17	37.2	65.71	106.3	88.49	400.9	155.57	491.7	201.12	88.2	3.47
2d qtr.	160.0	54.89	54.3	37.13	106.1	58.55	73.0	45.45	542.7	123.09	311.5	138.87	869.6	195.54	108.9	5.77
3d qtr.	405.2	52.50	138.6	18.40	159.8	47.13	150.8	41.09	825.1	123.89	597.3	107.84	1,004.2	186.71	148.7	14.72
4th qtr.	328.9	57.78	136.7	20.79	192.0	53.34	149.2	33.12	540.4	114.52	623.1	133.34	668.0	196.11	116.1	26.03
Total or average	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

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 73—Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1984-88^a

(Volume in thousand cubic meters; value in Canadian dollars^{b c} per cubic meter)

Species and year	Coast ^d		Interior ^e		Species and year	Coast ^d		Interior ^e	
	Volume	Average value	Volume	Average value		Volume	Average value	Volume	Average value
Balsam:					Lodgepole pine:				
1984	3,342	2.86	4,057	1.18	1984	1	2.25	13,752	1.12
1985	2,883	2.49	4,059	1.12	1985	3	1.16	13,295	1.02
1986	2,878	2.97	4,540	1.18	1986	2	1.44	14,679	1.07
1987	2,825	2.99	4,803	1.25	1987	5	1.54	15,224	1.19
1988	3,703	5.86	5,176	5.02	1988	15	2.59	15,804	3.29
Cedar:					Spruce:				
1984	4,141	7.05	1,580	2.00	1984	720	6.68	15,688	1.27
1985	3,880	8.53	1,391	1.84	1985	764	7.13	15,066	1.22
1986	3,842	4.70	1,246	1.62	1986	689	13.52	14,877	1.34
1987	3,704	6.27	1,223	1.89	1987	876	20.98	13,881	2.14
1988	4,737	11.40	1,105	3.19	1988	987	15.49	14,137	5.34
Cypress:					White pine:				
1984	574	10.45	2	9.68	1984	22	1.89	137	3.77
1985	465	9.10	0	--	1985	21	1.88	132	4.86
1986	384	11.76	2	1.71	1986	19	1.89	123	22.39
1987	391	8.46	2	13.71	1987	20	2.16	116	18.68
1988	593	61.82	4	5.79	1988	21	6.87	164	11.15
Fir:					Other species:				
1984	1,513	3.75	3,142	1.40	1984	12	1.38	127	.84
1985	1,489	3.85	3,231	1.34	1985	5	1.28	98	1.29
1986	1,760	6.69	3,236	1.64	1986	18	1.29	51	1.40
1987	1,853	8.46	2,885	1.59	1987	57	1.99	85	1.21
1988	1,917	9.62	2,795	3.63	1988	43	1.57	276	.83
Hemlock:					All species:				
1984	7,131	2.67	1,188	.78	1984	17,457	4.26	39,983	1.23
1985	6,162	2.27	1,450	.80	1985	15,672	4.45	39,018	1.18
1986	6,354	2.84	1,815	.90	1986	15,945	4.41	40,887	1.30
1987	6,385	2.72	2,591	.83	1987	16,116	6.12	41,071	1.60
1988	8,250	5.79	2,259	1.83	1988	20,266	9.58	42,045	4.15
Larch:									
1984	0	--	307	1.35					
1985	0	--	296	1.32					
1986	0	--	318	1.45					
1987	0	--	261	1.62					
1988	0	--	325	3.86					

^a Fiscal year ending March 31.

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

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

^d Includes portions of Cariboo, Prince Rupert, and Vancouver forest regions.

^e Includes Kamloops, Nelson, Prince George, and portions of Cariboo, Prince Rupert, and Vancouver forest regions.

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

Table 74—Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1979-89^a

(In million board feet, Scribner log rule)

Year	California	Montana	Idaho ^b		Oregon ^c	Washington ^c
			Northern	Southern		
1979	d 5,221.5	d 1,426.0	d 1,525.5	d 939.3	e 8,610.5	e 4,730.6
1980	d 5,834.9	e 1,468.6	e 1,386.6	e 819.1	e 9,939.3	e 4,526.7
1981	d 6,225.2	d 1,631.8	d 1,693.6	d 780.7	12,020.1	5,377.1
1982	7,365.6	1,800.7	d 1,833.6	E 756.0	12,646.6	5,478.3
1983	6,974.9	1,848.9	1,995.9	807.0	13,361.9	5,820.4
1984	7,278.0	1,752.2	1,740.1	810.0	12,857.4	5,312.0
1985	7,179.0	2,046.0	1,785.2	d 707.0	13,278.2	5,362.4
1986	4,911.0	1,924.4	1,947.5	712.3	7,777.6	2,970.6
1987	4,108.7	1,297.1	1,390.7	d 612.3	7,161.8	2,805.3
1988	3,411.0	980.8	1,272.0	d 481.3	6,864.5	3,094.6
1989	2,787.2	813.4	1,263.3	475.8	d 4,664.1	d 1,480.9

E = estimated.

^a As of June 30 unless otherwise noted.

^b The National Forests in northern Idaho are Cleatwater, 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.

^e As of December 31.

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

Table 75—Fiscal year sale program volume on National Forest lands in Oregon and Washington, 1980-90

(In million board feet, Scribner scale)

Fiscal year	Oregon ^a	Washington	Total
1980	3,690	1,542	5,232
1981	3,676	1,526	5,202
1982	3,681	1,527	5,208
1983	3,389	1,323	4,712
1984	3,608	1,320	4,928
1985	3,457	1,253	4,710
1986	3,469	1,216	4,685
1987	3,874	1,279	5,153
1988	3,925	1,317	5,242
1989-90	5,600	2,100	7,700

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

^a Includes California volumes for Rogue River and Siskiyou National Forests: also includes Washington volume for Umatilla National Forest.

Table 76—Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1979-89

(In million board feet, Scribner log scale)

Year	Allowable cut ^a	Uncut volume under contract	Ratio
1979	1,133	2,224	2.0
1980	1,134	2,484	2.2
1981	1,120	2,608	2.3
1982	1,120	3,491	3.1
1983	1,048	3,520	3.4
1984	1,023	3,639	3.6
1985	1,000	3,498	3.5
1986	1,574	2,104	1.3
1987	1,188	2,129	1.8
1988	1,183	1,700	1.4
1989	762	1,189	1.6

^a Defined as volume offered: this includes an estimated 17.5 million board feet for eastern Oregon.

Table 77—Allowable annual cut and uncut volume under contract on Oregon State lands, 1978-88^a

(In million board feet, Scribner log rule)

Year	Allowable cut	Uncut volume under contract	Ratio
1978	241	443	1.8
1979	223	472	2.2
1980	225	482	2.1
1981	220	507	2.3
1982	220	676	3.1
1983	205	503	2.5
1984	202	555	2.7
1985	210	461	2.2
1986	222	389	1.8
1987	197	367	1.9
1988	193	307	1.6

^a As of December 31.

Source: State of Oregon, Department of Forestry.

Table 78—Sustainable harvest and uncut volume under contract on Washington State lands, 1979-89^a

(In million board feet, Scribner log rule)

Year	Sustainable harvest	Uncut volume under contract	Ratio
1979	774	1,880	2.4
1980	757	1,893	2.5
1981	757	R1,906	2.5
1982	757	R2,101	2.8
1983	777	R1,824	2.3
1984	777	R1,395	1.8
1985	777	R1,165	1.5
1986	778	1,013	R1.3
1987	778	853	r1.1
1988	778	796	R1.0
1989	778	851	R1.1

R = revised.

^a As of June 30.

Source: State of Washington, Department of Natural Resources.

Table 79—Small business set-aside sales on National Forests by number of sales and by volume, Pacific Northwest Region, 1978-89

(Volume in thousand board feet)

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur		Mount Baker-Snoqualmie		Mount Hood	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1978	4	43,500	0	--	1	357	15	161,500	0	--	0	--	20	83,836
1979	5	42,760	4	2,150	11	79,460	0	--	0	--	19	11,575	34	06,586
1980	2	20,400	3	2,032	6	44,360	16	113,140	0	--	18	6,763	44	26,525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41,313
1982	10	38,460	9	9,580	8	13,440	18	30,920	0	--	12	4,400	31	16,246
1983	4	2,495	1	640	12	56,890	22	18,671	4	1,165	11	11,075	32	16,905
1984	4	3,480	2	3,429	4	17,800	42	42,473	1	545	7	10,510	17	4,882
1985	4	2,896	8	45,616	6	36,960	12	8,960	4	1,060	12	5,025	18	48,940
1986	3	1,022	8	48,504	4	27,800	9	7,180	4	459	22	63,950	6	3,175
1987	7	5,378	7	26,341	10	70,740	13	6,635	14	2,725	23	35,050	5	1,100
1988	2	1,620	7	1,673	5	30,530	14	7,280	12	4,195	24	65,895	15	6,980
1989:														
1st qtr.	0	--	0	--	1	11,100	0	--	2	410	4	15,955	0	--
2d qtr.	1	50	0	--	0	--	4	1,035	0	--	6	3,335	6	3,701
3d qtr.	0	--	0	--	0	--	2	205	2	550	4	1,483	4	185
4th qtr.	5	1,598	0	--	3	14,050	3	1,265	1	110	11	43,232	4	650
1989 total	6	1,648	0	--	4	25,150	9	2,505	5	1,070	25	64,005	14	4,536

	Ochoco		Okanogan		Olympic		Rogue River		Siskiyou		Sluslaw		Umatilla	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1978	5	34,300	0	--	6	44,615	47	171,251	13	62,300	39	231,303	0	--
1979	3	23,500	7	20,105	12	106,105	50	118,818	2	270	16	120,834	4	35,500
1980	1	7,700	2	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	5	35,000	2	13,100	6	58,500	54	168,580	24	78,733	44	201,038	7	36,936
1982	3	1,100	3	15,750	4	1,860	26	85,272	33	45,719	44	94,808	1	150
1983	2	640	0	--	4	2,660	46	86,635	14	29,755	15	2,951	5	32,400
1984	0	--	0	--	2	1,480	22	23,005	15	77,305	8	1,524	2	5,400
1985	0	--	2	10,200	1	250	10	11,396	9	4,980	8	2,907	1	1,300
1986	10	74,950	2	18,100	9	9,173	19	94,400	6	3,270	31	126,810	1	10,700
1987	12	74,290	4	7,705	5	5,300	28	76,620	5	4,920	25	79,052	1	125
1988	12	63,102	0	--	8	4,133	27	101,295	4	883	9	2,283	3	3,400
1989:														
1st qtr.	3	22,200	0	--	0	--	6	24,790	0	--	2	190	0	--
2d qtr.	3	21,300	0	--	1	795	1	580	0	--	2	896	0	--
3d qtr.	2	15,400	1	350	0	--	1	530	0	--	5	886	1	670
4th qtr.	0	--	0	--	3	890	15	42,005	3	710	0	--	0	--
1989 total	8	58,900	1	350	4	1,685	23	67,905	3	710	9	1,972	1	670

	Umpqua		Wallowa-Whitman		Wenatchee		Willamette		Winema		All Forests	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1978	29	125,330	0	--	0	--	33	177,660	13	60,006	225	1,195,958
1979	35	169,212	0	--	5	23,100	53	146,366	6	59,050	266	1,945,391
1980	31	166,650	7	1,799	4	18,000	83	197,229	4	30,400	281	930,670
1981	49	119,185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982	36	91,800	10	36,860	7	17,812	80	73,989	7	61,400	342	639,566
1983	13	3,135	3	1,907	11	33,880	43	78,021	2	12,500	244	392,325
1984	15	6,090	12	9,510	14	34,329	37	24,290	2	19,000	206	285,052
1985	72	9,668	9	4,820	11	34,772	34	21,828	0	--	221	251,578
1986	16	3,010	9	5,390	5	21,648	50	105,894	7	56,620	221	682,055
1987	39	5,775	10	41,050	5	16,750	56	191,287	7	50,390	276	701,233
1988	23	6,130	9	4,349	7	11,820	44	113,845	7	58,750	232	488,163
1989:												
1st qtr.	13	1,111	1	54	4	7,380	5	2,540	0	--	41	85,730
2d qtr.	8	1,610	0	--	4	1,271	13	5,649	2	8,700	51	48,922
3d qtr.	3	270	1	250	0	--	3	355	5	22,610	34	43,744
4th qtr.	1	190	4	6,250	2	15,600	4	1,657	1	8,700	60	136,907
1989 total	25	3,181	6	6,554	10	24,251	25	10,201	8	40,010	186	315,303

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.** 1990. Production, prices, employment, and trade in Northwest forest industries, fourth quarter 1989. Resour. Bull. PNW-RB-174. Portland, OR: **U.S.** Department of Agriculture, Forest Service, Pacific Northwest Research Station. 88 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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