United States
Department of
Agriculture

Forest Service

Pacific Northwest
Research Station

Resource Bulletin
PNW-RB-182
March 1991

Production, Prices, Employment, and Trade in Northwest Forest Industries, Third Quarter 1990

Debra D. Warren

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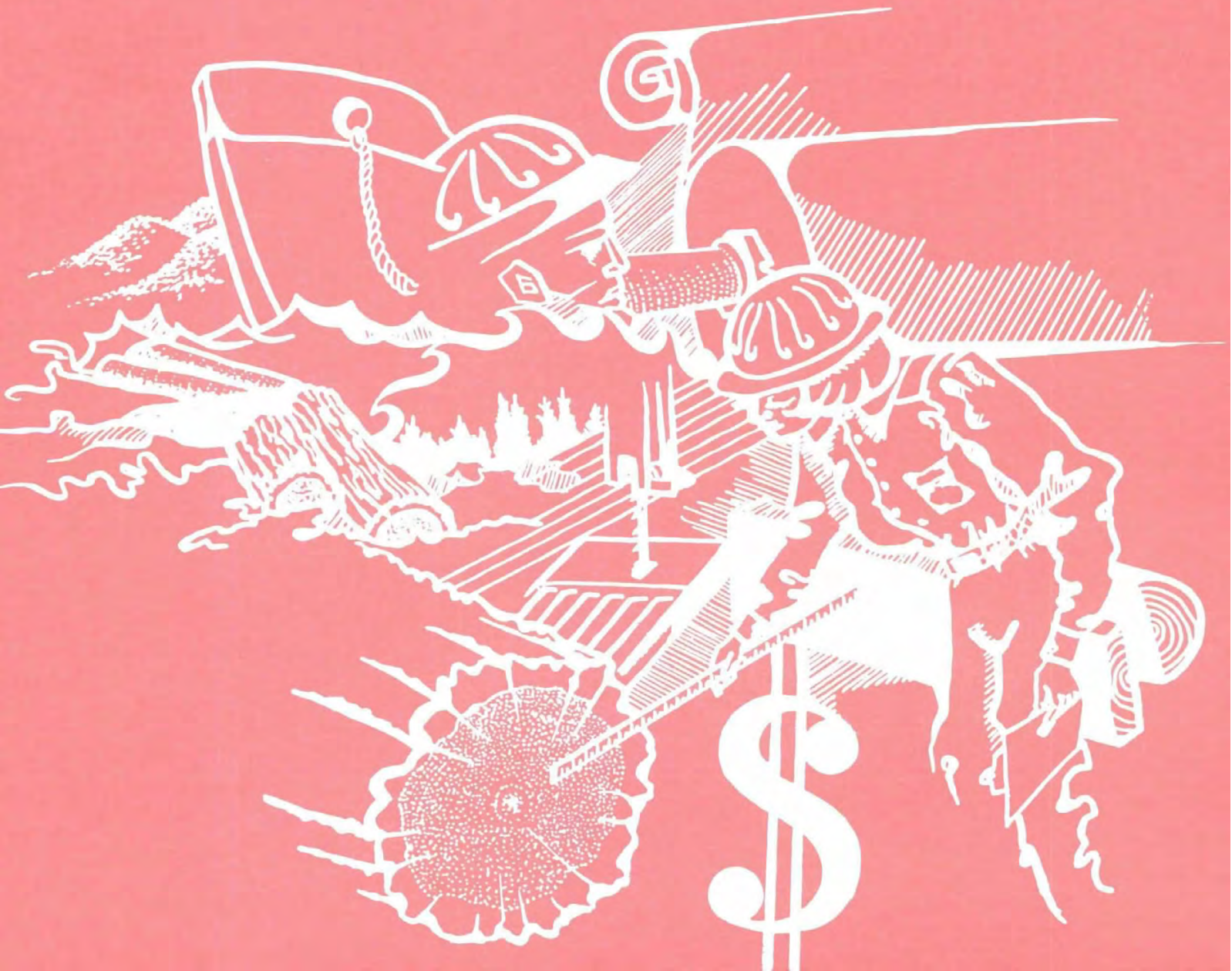

ABSTRACT

Warren, Debra D. 1990. Production, prices, employment, and trade in Northwest forest industries, third quarter 1990. Resour. Bull. PNW-RB-182. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 99 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 1979 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries."

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.

Phone: 503/231-2081 Commercial (New number effective 4-22-91: 503/321-5801)
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Table 1--Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1979-90

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
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	22,535	9,412	2,091	11,032	27,153
1990:					
January	2,020	850	188	982	2,468
February	1,844	779	173	892	2,226
March	2,121	912	181	1,028	2,477
Total, 1st quarter	5,985	2,541	542	2,902	7,171
April	1,979	845	183	951	2,359
May	1,907	800	175	932	2,542
June	1,815	780	159	876	2,351
Total, 2d quarter	5,701	2,425	517	2,759	7,252
July	1,719	707	160	852	2,265
August	1,776	734	166	876	2,496
September	1,597	680	161	756	2,134
Total, 3d quarter	5,092	2,121	487	2,484	6,895
October					
November					
December					
Total, 4th quarter					
1990 total					
	3d quarter 1990 change, in percent				
From:					
2d quarter 1990	-10.7	-12.5	-5.8	-10.0	-4.9
3d quarter 1989	-11.4	-11.7	-3.6	-12.6	.8

[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, 1979-89

(In million board feet)

Year	Washington	Oregon	California[a]	Montana	Idaho
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
1989	4,274	8,512	5,320	1,567	2,133

[a] Includes 1 mill in Nevada.

Source: Western Wood Products Association, Portland, Oregon.

Table 3--Softwood lumber production in the inland region, by species, 1979-89[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
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
1989	11,348	3,767	87	291	2,683	2,600	473	835	612

[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, 1979-89[a]

(In million board feet)

Year	All species	Douglas-fir	Hem-fir[b]	Western redcedar	Incense-cedar	Pine	Other softwoods	Hardwoods
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
1989	9,811	6,662	1,900	522	47	324	36	320

[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	Southern States[b]	Northern States[c]
1979	19,653.0	7,929.0	1,727.0	463.0	1,205.0	8,329.0	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, 1979-89

Year	Softwood lumber production			Softwood plywood production
	Total	Coast	Interior	
	Million board feet			Million ft^2, 3/8-inch basis
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
1989	15,236	4,140	11,096	2,071

Source: Dominion Bureau of Statistics, Ottawa, Canada.

Table 7--Wholesale prices of selected lumber products, 1979-90

(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
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	263.51	333.83	577.91	237.07	183.70
1990:					
January	250.50	323.75	516.25	220.00	187.25
February	258.00	315.00	561.25	228.75	193.75
March	259.00	323.00	607.00	246.20	192.80
Average, 1st quarter	255.83	320.58	561.50	231.65	191.27
April	272.00	323.75	618.75	260.50	193.00
May	253.25	296.25	595.00	237.25	191.25
June	242.00	275.00	547.00	226.00	196.80
Average, 2d quarter	255.75	298.33	586.92	241.25	193.68
July	246.50	267.50	512.50	223.25	196.50
August	241.20	255.00	493.00	211.60	190.40
September	230.25	255.00	490.00	213.00	192.00
Average, 3d quarter	239.25	259.17	497.50	217.08	193.17
October					
November					
December					
Average, 4th quarter					
1990 average					
	- - - - - - - - - - - - - - - - - 3d quarter 1990 change, in percent - - - - - - - - - - - - - - - - -				
From:					
2d quarter 1990	-6.5	-13.1	-15.2	-10.0	-.3
3d quarter 1989	-15.4	-15.7	-10.3	-13.2	3.4

Source: Random Lengths Publications, Inc.

Table 8--Wholesale prices of selected softwood plywood products, 1979-90

(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
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	176.36	163.56	237.30
1990:			
January	177.25	163.50	243.75
February	177.25	165.25	257.00
March	178.40	160.20	257.60
Average, 1st quarter	177.63	162.98	252.78
April	189.00	172.00	306.75
May	181.75	161.50	294.50
June	198.73	211.70	268.00
Average, 2d quarter	189.83	181.73	289.75
July	167.75	149.25	260.25
August	164.60	141.80	249.00
September	163.00	139.50	245.00
Average, 3d quarter	166.25	143.58	251.75
October			
November			
December			
Average, 4th quarter			
1990 average			
	- - - - - - - 3d quarter 1990 change, in percent - - - - - -		
From:			
2d quarter 1990	-12.4	-21.0	-13.1
3d quarter 1989	-14.5	-19.7	9.7

[a] Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

Table 9--Percentage of total volume and f.o.b. mill prices for Douglas-fir lumber, coast mills, 1979-90[a]

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

Year	C selects		D selects and shop		Structural items		Heavy framing		Light framing		Utility		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1979	5.4	891	4.7	480	12.1	410	18.1	334	37.5	246	16.8	179	5.4	86	1,702,828
1980	5.8	929	4.5	506	11.5	365	21.3	271	35.2	207	16.8	150	4.9	85	1,515,924
1981	4.5	747	4.1	426	12.9	329	22.0	263	37.7	193	14.8	137	4.0	83	1,662,233
1982	4.5	648	4.3	375	12.3	283	22.3	198	38.1	159	14.6	126	3.9	78	1,551,419
1983	3.3	685	3.5	426	12.4	262	23.8	222	42.4	201	10.6	162	3.9	87	2,752,061
1984	2.6	688	3.4	407	15.3	249	22.5	223	42.8	189	9.4	137	4.0	72	3,168,494
1985	2.4	671	3.2	410	16.4	249	23.9	226	41.8	190	8.5	131	3.8	68	2,927,403
1986	2.1	726	2.3	405	15.6	240	24.0	229	43.7	191	8.6	132	3.6	67	3,584,260
1987	2.0	837	2.8	411	14.5	257	23.3	258	45.4	206	8.2	138	3.8	66	3,975,895
1988	1.8	927	2.1	474	16.7	297	21.8	285	46.2	219	7.1	138	4.3	85	3,691,263
1989	1.0	1,078	1.6	503	15.9	325	22.9	330	47.4	246	7.0	168	4.2	110	3,659,762
1990:															
1st quarter	1.2	1,327	1.6	526	16.3	316	22.9	323	46.5	243	7.0	154	4.5	106	856,313
2d quarter	.9	1,173	1.4	539	15.5	312	24.0	326	47.9	237	6.1	167	4.2	115	879,838
3d quarter	.9	1,180	1.6	509	16.4	298	21.4	306	48.0	226	6.8	156	4.8	97	747,009
4th quarter															
1990 average															

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

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

Table 10--Percentage of total volume for ponderosa pine lumber, inland mills, 1979-90[a]

(In thousand board feet)

Year	4/4 selects and 1 shop					5/4 and thicker molding and shops					4/4 commons and 8/4 std. & btr.				Low value		Total volume, all grades
	C and btr. 6-12 in.	D 12 in.	C and btr. 4 in. D 6-10 in.	D 4 in.	1 shop	Mldg. and btr.	1 shop	2 shop	3 shop	Shopout	2 com. 12 in.	2 com. 4-10 in.	3 com. 6-12 in. 8/4 dim.	3 com. 4 in. 4 com. 4-12 in.	No. 3 and util.	5 com. and econ.	
1979	0.9	0.3	0.6	1.2	3.3	5.6	3.0	13.2	12.6	5.6	3.0	6.0	29.8	10.5	2.0	2.5	1,849,683
1980	1.0	0.4	0.8	1.3	3.3	6.5	3.2	14.4	12.8	4.7	3.2	6.9	27.3	9.9	2.1	2.3	1,614,864
1981	1.0	0.3	0.8	1.1	3.3	5.9	3.1	14.8	13.4	4.7	3.9	8.7	25.7	10.0	1.5	1.8	1,474,420
1982	1.1	0.3	0.7	0.9	3.1	5.8	3.2	15.7	13.5	5.1	4.2	8.0	26.9	8.8	1.3	1.6	1,488,103
1983	1.0	0.3	0.7	0.9	2.8	5.8	3.3	17.2	15.6	5.3	3.9	7.8	25.4	7.1	1.2	1.5	1,876,743
1984	1.0	0.3	0.6	0.9	2.7	5.3	3.5	17.6	15.4	4.2	4.1	7.2	26.8	7.1	1.6	1.7	1,970,046
1985	0.9	0.3	0.6	0.9	2.7	5.1	3.4	18.2	16.2	4.1	3.8	7.2	26.7	7.0	1.4	1.4	2,018,896
1986	1.0	0.3	0.6	0.8	2.8	4.9	3.3	17.9	16.6	4.5	4.3	6.7	27.6	6.1	1.4	1.3	2,164,591
1987	0.9	0.2	0.4	0.7	2.4	5.7	3.1	17.9	17.5	4.7	4.0	6.0	28.1	5.3	1.6	1.4	2,331,497
1988	0.8	0.2	0.4	0.7	2.7	5.8	2.7	17.2	18.0	5.4	3.9	5.5	28.4	5.2	1.7	1.5	2,252,696
1989	0.6	0.2	0.3	0.7	2.2	5.6	2.9	17.8	19.9	6.7	3.8	5.8	25.9	5.0	1.2	1.4	2,204,308
1990:																	
1st quarter	0.7	0.1	0.3	0.7	2.3	5.5	2.8	18.7	21.2	7.1	3.8	5.1	24.2	5.1	1.0	1.3	557,138
2d quarter	0.6	0.1	0.3	0.6	1.8	5.3	2.7	18.3	21.0	7.0	3.3	5.6	R25.7	R5.0	1.0	1.6	546,846
3d quarter	0.6	0.1	0.3	0.7	2.0	5.4	2.5	16.8	21.7	7.0	3.7	5.7	25.1	5.6	1.1	1.7	492,294
4th quarter																	
1990 Total																	

R = revised.

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

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

Table 11--F.O.B. mill prices for ponderosa pine lumber, inland mills, 1979-90

(In dollars per thousand board feet)

Year	4/4 selects and 1 shop					5/4 and thicker molding and shops					4/4 commons and 8/4 std. & btr.				Low value	
	C and btr. 6-12 in.	D 12 in.	C and 4 in. D 6-10 in.	D 4 in.	1 shop	Mldg. and btr.	1 shop	2 shop	3 shop	Shopout	2 com. 12 in.	2 com. 4-10 in.	3 com. 6-12 in. 8/4 dim.	3 com. 4 in. 4 com. 4-12 in.	No. 3 and util.	5 com. and econ.
1979	1,398	1,255	1,004	532	333	955	554	481	304	210	441	359	263	184	145	96
1980	1,187	865	610	401	330	813	549	473	308	203	450	289	237	165	122	87
1981	1,110	965	608	467	333	817	589	509	355	218	385	278	245	164	127	89
1982	1,187	865	610	401	330	813	549	473	308	203	450	289	237	165	122	87
1983	1,214	1,404	659	513	363	1,056	662	570	401	225	388	305	222	160	155	90
1984	1,363	1,163	724	499	368	949	622	506	349	203	432	319	235	149	124	83
1985	1,463	863	779	506	342	1,087	614	498	366	204	456	312	208	143	127	75
1986	1,509	1,169	1,021	654	636	1,093	688	576	404	207	430	325	227	163	130	79
1987	1,563	1,336	1,088	703	442	1,306	762	644	413	224	447	367	247	175	131	79
1988	1,892	1,510	1,076	689	452	1,282	746	625	411	229	505	363	246	174	137	87
1989	1,805	1,523	1,016	740	438	1,265	730	589	434	258	532	331	261	189	155	105
1990:																
1st quarter	1,477	1,475	990	678	419	1,173	704	563	447	252	522	334	257	186	149	105
2d quarter	1,491	1,480	988	695	484	1,053	731	589	467	259	540	351	257	189	149	104
3d quarter	1,478	1,441	1,008	677	428	984	541	497	359	242	546	355	241	187	145	98
4th quarter																
1990 Total																

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

Table 12--Percentage of total volume and f.o.b. mill prices for hem-fir lumber, inland mills, 1979-90[a]

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

Year	Molding		Shop		Structural		Heavy framing		Light framing		Utility		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1979	2.2	654	6.8	341	.8	281	19.3	295	43.6	238	18.5	156	8.8	85	1,141,817
1980	2.6	594	8.9	293	.6	227	20.1	221	41.0	196	18.7	131	8.1	82	872,830
1981	2.4	602	8.9	318	.7	217	20.0	233	43.2	185	17.4	129	7.3	89	774,018
1982	1.8	584	6.4	245	.5	185	20.6	189	49.2	163	15.1	116	6.3	77	659,593
1983	1.9	655	7.0	346	.7	246	20.9	228	50.3	204	14.0	155	5.2	90	812,622
1984	2.2	555	6.4	269	.9	225	22.0	210	49.5	185	13.1	129	5.9	76	1,065,130
1985	1.7	511	5.7	323	.9	225	24.5	221	50.2	188	11.5	128	5.5	76	1,101,286
1986	1.9	605	4.8	308	.8	240	28.1	242	48.5	198	10.3	132	5.6	72	1,382,074
1987	1.7	706	4.9	354	.6	261	29.3	280	47.8	214	10.0	132	5.6	75	1,562,432
1988	1.7	712	4.8	350	1.6	270	29.7	274	47.3	215	9.6	134	5.3	85	1,613,020
1989	1.9	743	5.6	393	1.9	277	30.4	279	46.1	230	9.3	154	4.9	102	1,710,614
1990:															
1st quarter	1.5	866	6.1	442	1.8	280	27.7	274	48.8	225	8.9	144	5.1	96	403,641
2d quarter	1.5	920	4.7	479	2.0	284	30.5	286	49.3	226	7.8	155	4.3	107	414,236
3d quarter	1.3	918	4.9	319	1.8	289	32.5	259	46.0	223	8.6	145	4.9	92	396,925
4th quarter															
1990 average															

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

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

Table 13--Percentage of total volume and f.o.b. mill prices for hem-fir lumber, coast mills, 1979-90[a]

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

Year	C selects		D selects and shop		Structural items		Heavy framing		Light framing		Utility		Economy		Total volume, Percent
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
1979	1.5	676	5.1	400	7.7	290	5.3	302	58.3	234	13.8	160	8.3	78	835,574
1980	1.4	718	5.4	405	7.5	257	4.9	245	60.5	195	14.4	132	5.9	78	597,383
1981	1.2	661	5.4	362	6.2	229	7.8	244	58.0	183	14.6	131	6.8	79	582,672
1982	.4	712	4.9	319	6.0	202	7.2	209	59.1	158	17.1	123	5.3	70	577,243
1983	.4	737	4.0	386	5.6	245	8.8	240	61.6	205	13.8	156	5.8	97	857,819
1984	.4	683	4.2	348	5.3	227	12.9	228	60.8	187	10.0	128	6.3	79	959,799
1985	.4	638	4.0	337	3.3	226	15.0	232	63.0	189	8.4	123	6.0	79	830,607
1986	.4	606	2.5	343	3.1	242	16.2	248	64.0	197	8.4	129	5.4	75	1,000,702
1987	.3	601	2.3	414	2.9	273	14.8	286	64.9	215	9.3	131	5.3	76	1,011,504
1988	.3	633	2.2	461	3.2	273	14.2	289	66.4	221	8.2	137	5.5	89	946,868
1989	.3	718	2.0	466	4.2	274	16.9	298	63.6	234	7.4	155	5.8	105	903,323
1990:															
1st quarter	.2	800	2.0	529	6.0	255	16.5	288	62.0	226	7.6	148	5.7	98	218,562
2d quarter	.1	781	1.0	514	5.3	280	17.1	305	63.4	234	7.4	160	5.7	112	210,563
3d quarter	.3	900	1.2	497	5.0	275	15.6	284	63.9	224	7.4	157	6.6	93	191,478
4th quarter															
1990 average															

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

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

Table 14--Average prices for domestic and exported alder, western region, 1986-90

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

Year and quarter	Domestic alder		Exported alder	
	1 by 4 green pallet stock	4/4 select and better	Logs	Lumber
1986	190.50	748.00	NA	--
1987	218.13	761.88	NA	677.11
1988	245.00	772.31	NA	850.93
1989:				
1st quarter	245.00	813.08	564.55	740.12
2d quarter	250.38	866.92	522.68	774.22
3d quarter	257.69	901.54	1,166.09	794.58
4th quarter	260.00	930.00	580.98	852.34
1989 average	254.61	888.31	690.73	791.70
1990:				
1st quarter	255.00	955.00	475.30	857.03
2d quarter	255.00	955.00	329.73	885.01
3d quarter	255.00	943.00	567.99	811.75
4th quarter				
1990 average				

NA = not available.

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

Table 15--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	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	3,485	199	3,307	1,026	124	44	8,186

[a] Less than 500,000 board feet.

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

Table 16--Montana and Idaho timber harvest by ownership, 1979-89

(In million board feet, Scribner scale)

State and year	Private	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest	Total
Montana:						
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
1989	636.7	44.0	70.8	6.5	555.9	1,313.8
Idaho:						
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
1989	819.7	249.5	13.5	16.4	810.2	1,909.2

Source: Respective agencies.

Table 17--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 18--Alaska timber harvest by ownership, 1979-89

(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	
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
1989	17,728	455,000	3,600	270	25	295	392,344	69,516	461,860	938,483

Source: Respective agencies.

Table 19--California timber harvest by ownership, 1979-89

(In million board feet, Scribner scale)

Year	Private[a]	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest[a]	Total
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
1989	2,638	37	11	12	2,024	4,722

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

Source: Respective agencies.

Table 20--Employment in forest products industries in Washington and Oregon, 1979-90

(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
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	135.7	109.3	26.5	59.6	42.2	17.4	76.1	67.0	9.1
1990:									
January	133.7	106.2	27.5	58.7	40.3	18.4	75.0	65.9	9.1
February	131.4	104.0	27.4	58.2	39.9	18.3	73.2	64.1	9.1
March	132.1	105.0	27.1	58.8	40.4	18.4	73.3	64.6	8.7
Average, 1st quarter	132.4	105.1	27.3	58.6	40.2	18.4	73.8	64.9	9.0
April	131.8	104.9	26.9	58.7	40.4	18.3	73.1	64.5	8.6
May	132.9	105.7	27.2	58.9	40.7	18.2	74.0	65.0	9.0
June	135.1	107.0	28.1	59.9	41.1	18.8	75.2	65.9	9.3
Average, 2d quarter	133.3	105.9	27.4	59.2	40.7	18.4	74.1	65.1	9.0
July	135.7	107.4	28.3	60.3	41.4	18.9	75.4	66.0	9.4
August	135.1	106.9	28.2	60.1	41.3	18.8	75.0	65.6	9.4
September	132.9	105.1	27.8	59.5	40.9	18.6	73.4	64.2	9.2
Average, 3d quarter	134.6	106.5	28.1	60.0	41.2	18.8	74.6	65.3	9.3
October									
November									
December									
Average, 4th quarter									
1990 average									
	- - - - - - - - - - - - - - - - - 3d quarter 1990 change in employment - - - - - - - - - - - - - - - - -								
From:									
2d qtr. 1990	1.3	.6	.7	.8	.5	.4	.5	.2	.3
3d qtr. 1989	-5.5	-6.5	1.0	1.1	-2.2	1.1	-4.3	-4.3	0.0

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

Source: State employment agencies. 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 21--Employment in forest products industries in California and Alaska, 1979-90

(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
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	112.5	70.7	41.7	3.9	2.9	1.0
1990:						
January	107.5	66.4	41.1	2.7	1.8	.9
February	108.2	66.4	41.8	2.8	1.9	.9
March	109.2	67.2	42.0	3.5	2.6	.9
Average, 1st quarter	108.3	66.7	41.6	3.0	2.1	.9
April	110.4	68.3	42.1	4.2	3.3	.9
May	111.9	69.7	42.2	4.4	3.5	.9
June	113.0	70.7	42.3	4.6	3.7	.9
Average, 2d quarter	111.8	69.6	42.2	4.4	3.5	.9
July	112.0	70.4	41.6	4.5	3.6	.9
August	111.7	70.0	41.7	4.5	3.5	1.0
September	111.0	69.5	41.5	4.4	3.3	.9
Average, 3d quarter	111.6	70.0	41.6	4.5	3.5	.9
October						
November						
December						
Average, 4th quarter						
1990 average						
	- - - - - - - - - - - - - 3d quarter 1990 change in employment - - - - - - - - - - - - -					
From:						
2d quarter 1990	-.2	.4	-.6	.1	0.0	0.0
3d quarter 1989	-4.3	-4.2	-.1	-.2	-.1	-.2

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

Table 22--Employment in forest products industries in Montana and Idaho, 1979-90

(In thousands of persons)

Year	Montana		Idaho		
	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
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	8.3	a	16.2	14.3	2.0
1990:					
January	8.4	a	17.4	15.3	2.1
February	8.3	a	17.0	14.9	2.1
March	8.0	a	15.4	13.3	2.1
Average, 1st quarter	8.2	a	16.6	14.5	2.1
April	7.5	a	15.4	13.3	2.1
May	8.2	a	16.5	14.4	2.1
June	8.6	a	17.6	15.4	2.2
Average, 2d quarter	8.1	a	16.5	14.4	2.1
July	9.0	a	18.3	16.0	2.3
August	8.8	a	18.5	16.2	2.3
September	8.8	a	18.2	16.0	2.2
Average, 3d quarter	8.9	a	18.3	16.1	2.3
October					
November					
December					
Average, 4th quarter					
1990 average					
	- - - - - - - - - - - 3d quarter 1990 change in employment - - - - - - - - - - -				
From:					
2d quarter 1990	.8	a	1.8	1.7	.2
3d quarter 1989	.3	a	.8	.6	.3

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 23--Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90

(In million board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO ALL COUNTRIES													
1979	3,233.7	1,309.2	1,546.6	355.2	2,250.0	732.4	1,247.2	270.4	983.7	576.8	229.4	22.7	154.8
1980	2,631.8	1,262.2	1,121.5	235.8	1,699.1	645.1	879.6	174.5	932.7	617.1	241.9	12.3	61.3
1981	1,987.2	1,017.2	807.3	147.2	1,315.9	579.0	623.5	113.4	671.3	438.1	183.9	15.5	33.8
1982	2,567.6	1,427.8	996.8	131.7	1,596.8	729.8	765.1	101.8	970.9	698.0	231.7	11.3	29.9
1983	2,591.5	1,417.7	1,011.0	153.9	1,739.8	796.3	824.2	119.2	851.7	621.4	186.7	8.9	34.7
1984	2,722.2	1,568.8	995.8	146.5	1,789.2	847.3	828.8	113.0	933.1	721.5	167.0	11.1	33.4
1985	3,004.1	1,749.7	1,112.0	130.1	1,878.9	844.3	939.2	95.4	1,125.3	905.4	172.8	12.4	34.7
1986	2,780.1	1,610.7	1,033.0	124.2	1,738.6	765.7	879.0	94.0	1,041.5	845.0	154.1	12.2	30.2
1987	3,167.6	1,844.6	1,150.6	160.3	2,063.5	983.3	965.3	114.9	1,104.1	861.2	185.3	12.1	45.5
1988	3,682.2	2,279.1	1,163.8	220.5	2,294.8	1,216.8	921.9	156.0	1,387.4	1,062.2	241.9	18.8	64.5
1989:													
1st qtr.	864.0	497.2	321.7	42.7	587.0	305.4	246.1	35.6	277.0	191.9	75.6	2.4	7.2
2d qtr.	1,152.1	640.2	438.2	70.4	729.0	335.8	335.3	57.9	423.1	304.4	102.9	3.4	12.4
3d qtr.	891.8	488.7	339.1	59.4	595.7	294.3	255.7	45.7	296.1	194.4	83.4	4.6	13.7
4th qtr.	706.1	408.0	251.8	44.5	445.1	222.7	192.6	29.8	261.0	185.4	59.2	1.8	14.7
1989 total	3,614.1	2,034.1	1,350.7	217.1	2,356.9	1,158.1	1,029.6	169.0	1,257.2	876.0	321.1	12.1	48.0
1990:													
1st qtr.	828.3	498.7	269.8	56.9	549.9	293.0	214.1	42.9	278.3	205.7	55.7	2.9	14.0
2d qtr.	815.6	500.8	260.9	51.7	520.6	292.2	195.6	32.8	295.0	208.6	65.3	2.2	18.9
3d qtr.	655.8	425.5	195.8	31.3	424.6	254.9	145.6	24.1	231.2	170.6	50.2	3.2	7.2
4th qtr.													
1990 total													
TO JAPAN													
1979	2,959.7	1,279.2	1,328.6	331.3	1,998.3	705.9	1,043.4	249.0	961.4	573.3	285.3	20.6	82.3
1980	2,344.3	1,175.4	938.7	217.9	1,488.5	602.6	725.8	160.1	855.8	572.8	212.9	12.3	57.8
1981	1,603.9	846.5	629.0	113.0	1,003.4	452.7	467.5	83.2	600.6	393.8	161.5	15.5	29.8
1982	1,738.2	990.6	647.0	89.3	992.9	457.6	462.9	72.4	745.3	533.0	184.1	11.3	16.9
1983	1,591.3	895.7	587.4	99.2	933.7	430.4	428.1	75.2	657.6	465.3	159.3	8.9	24.1
1984	1,519.4	912.0	521.8	74.7	889.1	427.2	400.6	61.3	630.2	484.8	121.2	10.8	13.4
1985	1,617.1	1,014.8	521.2	69.1	916.4	454.6	406.3	55.5	700.6	560.2	114.9	11.9	13.6
1986	1,768.7	1,216.2	465.0	75.4	945.0	524.2	362.7	58.1	823.7	692.0	102.3	12.1	17.2
1987	2,048.8	1,374.4	562.6	100.8	1,138.5	635.9	435.6	66.9	910.4	738.5	127.0	11.0	33.8
1988	2,021.3	1,398.0	472.0	134.2	1,109.4	669.0	353.3	87.1	912.0	729.0	118.7	17.1	47.2
1989:													
1st qtr.	580.2	371.5	179.6	27.1	362.0	208.4	133.1	20.4	218.3	163.1	46.5	2.0	6.6
2d qtr.	769.8	534.5	192.8	39.4	456.2	273.6	153.6	29.0	313.6	260.9	39.2	3.1	10.5
3d qtr.	621.5	406.4	169.4	41.2	397.7	228.3	138.4	31.0	223.9	178.2	31.0	4.5	10.2
4th qtr.	452.3	294.3	121.5	35.0	256.0	140.0	95.1	21.0	196.3	154.2	26.4	1.6	14.0
1989 total	2,423.8	1,606.7	663.3	142.7	1,471.9	850.3	520.2	101.4	952.0	756.4	143.1	11.2	41.3
1990:													
1st qtr.	669.9	456.4	166.7	44.3	419.5	256.5	132.6	30.4	250.3	199.9	34.1	2.5	13.8
2d qtr.	579.3	427.5	113.2	36.5	342.2	237.4	86.2	18.6	237.1	190.1	27.0	2.1	17.9
3d qtr.	395.7	302.5	72.2	18.1	243.9	174.4	58.0	11.5	151.8	128.1	14.2	2.9	6.6
4th qtr.													
1990 total													

Table 23--Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90 (continued)

(In million board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO CANADA													
1979	24.1	7.7	13.5	2.9	24.1	7.7	13.5	2.9	0.0	0.0	0.0	0.0	0.0
1980	1.0	.4	.1	.5	1.0	.4	.1	.5	.0	.0	.0	.0	.0
1981	1.3	.4	0.0	.9	1.3	.4	.0	.9	.0	.0	.0	.0	.0
1982	4.8	.6	1.8	2.3	4.8	.6	1.8	2.3	.0	.0	.0	.0	.0
1983	5.2	.4	2.8	2.0	5.2	.4	2.8	2.0	.0	.0	.0	.0	.0
1984	10.5	2.4	4.5	3.6	10.5	2.4	4.5	3.6	.0	.0	.0	.0	.0
1985	32.8	.0	30.5	2.3	32.8	.4	30.5	2.3	.0	.0	.0	.0	.0
1986	58.8	2.3	45.6	10.9	53.6	2.3	45.6	5.7	5.2	.0	4.5	.0	.7
1987	43.5	5.4	35.6	2.5	41.4	5.4	35.6	.4	2.1	.0	2.1	.0	.0
1988	20.9	.8	19.4	.7	20.9	.8	19.4	.7	.0	.0	.0	.0	.0
1989:													
1st qtr.	7.5	2.5	5.0	.0	7.5	2.5	5.0	.0	.0	.0	.0	.0	.0
2d qtr.	5.7	3.1	2.6	.0	5.7	3.1	2.6	.0	.0	.0	.0	.0	.0
3d qtr.	4.9	2.3	2.4	.2	4.9	2.3	2.4	.2	.0	.0	.0	.0	.0
4th qtr.	12.2	5.1	6.7	.4	12.2	5.1	6.7	.4	.0	.0	.0	.0	.0
1989 total	30.3	12.9	16.7	.7	30.3	12.9	16.7	.7	.0	.0	.0	.0	.0
1990:													
1st qtr.	7.6	.6	6.9	.1	7.6	.6	6.9	.1	.0	.0	.0	.0	.0
2d qtr.	5.8	1.4	3.9	.5	5.8	1.4	3.9	.5	.0	.0	.0	.0	.0
3d qtr.	7.9	1.0	2.3	4.6	7.9	1.0	2.3	4.6	.0	.0	.0	.0	.0
4th qtr.													
1990 total													
TO SOUTH KOREA													
1979	245.3	20.3	204.2	20.8	227.1	18.7	190.1	18.3	18.2	1.7	14.1	.0	2.4
1980	191.4	11.8	167.4	12.2	164.0	9.5	144.9	9.5	27.4	2.2	22.5	.0	2.7
1981	147.8	10.9	126.4	10.5	132.7	9.3	113.5	9.8	15.2	1.6	12.9	.0	.6
1982	254.7	27.8	206.2	20.7	220.1	23.8	178.2	18.1	34.6	4.0	28.0	.0	2.7
1983	285.6	19.4	239.1	27.2	259.4	16.4	220.5	22.5	26.3	3.0	18.6	.0	4.7
1984	264.2	6.0	236.7	21.5	236.6	4.8	213.6	18.2	27.6	1.2	23.1	.0	3.3
1985	297.6	10.7	264.2	22.6	263.7	6.9	241.5	15.3	34.0	3.8	22.7	.0	7.4
1986	325.6	9.8	297.4	18.4	294.6	8.7	267.9	18.0	31.0	1.1	29.5	.0	.3
1987	408.1	14.4	360.1	33.2	362.2	11.1	321.4	29.7	45.9	3.3	38.7	.5	3.4
1988	489.8	14.6	432.2	43.1	416.1	10.7	364.6	40.9	73.7	3.9	67.6	.0	2.2
1989:													
1st qtr.	125.8	3.0	113.3	9.5	105.1	2.9	93.1	9.1	20.7	.0	20.2	.0	.4
2d qtr.	250.8	10.1	218.1	22.7	198.2	9.4	167.0	21.8	52.7	.7	51.1	.0	.9
3d qtr.	157.8	2.8	143.8	11.2	121.6	2.7	108.0	10.9	36.2	.1	35.8	.0	.3
4th qtr.	123.7	1.5	116.9	5.3	90.4	1.0	84.3	5.0	33.3	.5	32.6	.0	.2
1989 total	658.1	17.4	592.2	48.6	515.3	16.1	452.5	46.8	142.8	1.3	139.7	.0	1.8
1990:													
1st qtr.	101.8	1.6	93.4	6.8	80.4	1.6	72.0	6.8	21.4	.0	21.4	.0	.0
2d qtr.	150.3	1.4	139.7	9.2	111.6	1.4	102.0	8.2	38.7	.0	37.7	.0	1.0
3d qtr.	112.8	1.2	107.4	4.2	82.5	1.0	77.3	4.2	30.3	.2	30.1	.0	.0
4th qtr.													
1990 total													
TO PEOPLE'S REPUBLIC OF CHINA													
1980	87.8	69.9	14.1	3.8	43.3	31.9	7.6	3.8	44.5	38.0	6.5	.0	.0
1981	219.2	149.6	51.3	18.3	170.8	111.1	42.3	17.4	48.5	38.5	9.0	.0	.9
1982	533.1	390.0	125.1	18.0	358.8	244.2	106.1	8.5	174.3	145.8	19.0	.0	9.5
1983	699.2	497.0	177.6	24.6	535.4	347.6	169.0	18.8	163.8	149.4	8.6	.0	5.8
1984	845.2	624.7	189.7	30.8	589.7	402.3	171.0	16.3	255.5	222.4	18.7	.0	14.5
1985	1,029.6	716.3	280.5	32.8	644.4	379.9	245.3	19.1	385.2	336.3	35.2	.0	13.6
1986	608.3	374.4	214.1	19.8	434.7	226.8	198.5	9.4	173.6	147.6	15.6	.0	10.5
1987	558.7	389.5	157.0	12.2	435.6	288.7	140.7	6.3	123.1	100.8	16.3	.0	5.9
1988	1,052.5	825.9	208.3	18.3	690.9	518.0	160.7	12.2	361.6	307.9	47.6	.0	6.1
1989:													
1st qtr.	142.3	115.8	22.3	4.2	106.5	88.9	13.4	4.2	35.8	26.9	8.9	.0	.0
2d qtr.	100.9	81.2	19.4	.3	50.0	40.7	9.1	.2	50.9	40.5	10.3	.0	.1
3d qtr.	84.9	70.8	14.1	.0	61.5	58.6	3.0	.0	23.4	12.3	11.1	.0	.0
4th qtr.	108.9	104.0	4.7	.2	79.8	74.9	4.7	.2	29.1	29.1	.0	.0	.0
1989 total	437.0	371.9	60.5	4.7	297.8	263.0	30.1	4.6	139.3	108.8	30.4	.0	.1
1990:													
1st qtr.	39.8	35.3	1.3	3.1	35.3	31.0	1.3	3.0	4.5	4.3	.0	.0	.1
2d qtr.	68.6	67.3	.5	.8	51.6	50.8	.0	.8	17.0	16.5	.5	.0	.0
3d qtr.	134.3	118.9	12.9	2.5	86.7	77.2	7.0	2.5	47.6	41.7	5.9	.0	.0
4th qtr.													
1990 total													

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

Table 24--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO ALL COUNTRIES													
1979	1,480,036	624,090	633,884	197,643	991,513	331,874	510,317	149,322	488,523	292,216	123,567	24,419	48,321
1980	1,308,858	634,898	517,835	139,529	835,524	317,744	412,719	105,061	473,334	317,154	105,116	16,596	34,468
1981	882,942	476,653	311,019	70,359	565,564	266,847	244,005	54,712	317,378	209,806	67,014	24,911	15,647
1982	1,014,909	600,254	343,068	52,868	605,089	299,524	264,048	41,517	409,820	300,730	79,020	18,719	11,351
1983	892,436	500,178	315,838	65,413	580,518	272,311	257,346	50,861	311,918	227,867	58,492	11,007	14,552
1984	903,796	533,451	298,511	57,686	575,879	281,943	248,277	45,659	327,917	251,509	50,234	14,148	12,026
1985	972,469	586,597	322,567	49,140	586,974	277,856	271,543	37,576	385,495	308,741	51,024	14,166	11,564
1986	929,580	567,356	297,698	53,444	552,088	256,632	252,871	42,584	377,493	310,725	44,827	11,082	10,859
1987	1,245,300	751,776	389,960	85,492	762,852	373,752	325,685	63,415	482,448	378,023	64,275	18,073	22,077
1988	1,725,868	1,076,600	492,553	119,482	1,032,743	548,636	394,483	89,625	693,125	529,965	98,070	35,233	29,857
1989:													
1st qtr.	404,894	264,044	107,513	25,926	251,845	148,117	82,170	21,557	153,050	115,927	25,343	7,411	4,369
2d qtr.	516,556	324,077	147,117	37,591	304,297	159,470	113,783	31,044	212,259	164,607	33,334	7,771	6,547
3d qtr.	441,969	267,938	128,867	34,148	281,129	149,531	105,470	26,128	160,840	118,407	23,397	11,016	8,020
4th qtr.	361,352	220,446	109,812	25,446	208,924	109,965	83,307	15,652	152,428	110,481	26,505	5,648	9,794
1989 total	1,724,771	1,076,505	493,309	123,111	1,046,195	567,083	384,730	94,381	678,577	509,422	108,579	31,846	28,730
1990:													
1st qtr.	442,398	279,987	122,315	32,553	279,048	155,061	100,407	23,580	163,350	124,926	21,908	7,543	8,973
2d qtr.	463,428	305,476	128,250	29,946	276,769	161,919	94,645	20,205	186,659	138,557	33,605	4,756	9,741
3d qtr.	379,407	251,610	101,428	17,808	235,481	145,063	76,628	13,790	143,926	106,547	24,800	8,561	4,018
4th qtr.													
1990 total													
TO JAPAN													
1979	1,387,602	612,160	563,972	189,199	910,338	323,034	444,970	142,334	477,264	289,126	119,002	22,271	46,865
1980	1,190,875	593,484	446,586	132,209	750,369	297,359	353,752	99,258	440,506	296,125	94,834	16,596	32,951
1981	740,943	404,395	253,560	58,099	451,171	213,444	193,772	43,955	289,772	190,951	59,788	24,889	14,144
1982	716,343	424,685	233,395	39,584	392,047	190,838	168,734	32,475	324,296	233,847	64,661	18,679	7,109
1983	583,048	331,171	195,708	45,162	336,125	156,671	144,812	34,642	246,923	174,500	50,896	11,007	10,520
1984	535,175	324,484	162,550	34,194	302,800	148,370	125,837	28,593	232,375	176,114	36,713	13,946	5,602
1985	560,675	360,035	158,014	28,661	304,521	157,596	123,570	23,355	256,154	202,439	34,444	13,965	5,306
1986	644,858	450,926	146,356	36,515	326,718	183,095	114,588	29,035	318,140	267,830	31,768	11,059	7,482
1987	918,370	612,328	228,611	59,895	493,610	270,675	180,076	42,860	424,759	341,653	48,535	17,537	17,037
1988	1,075,863	729,888	236,376	76,040	570,923	332,581	184,306	54,036	504,940	397,308	52,070	33,559	22,004
1989:													
1st qtr.	297,874	213,410	60,815	16,253	172,367	111,918	47,774	12,675	125,508	101,492	13,041	6,856	4,118
2d qtr.	393,602	285,408	79,407	21,535	217,076	137,809	63,225	16,042	176,526	147,599	16,182	7,252	5,493
3d qtr.	352,958	236,398	81,153	24,661	210,236	125,045	67,201	17,990	142,722	111,353	13,952	10,746	6,671
4th qtr.	257,912	172,713	60,150	19,823	134,926	76,212	48,272	10,442	122,986	96,501	11,878	5,226	9,381
1989 total	1,302,346	907,929	281,526	82,811	734,604	450,983	226,472	57,149	567,742	456,945	55,054	30,080	25,663
1990:													
1st qtr.	372,448	260,064	80,845	24,768	218,927	137,962	65,093	15,872	153,521	122,102	15,752	6,771	8,896
2d qtr.	353,382	265,524	63,020	20,421	197,245	136,912	49,172	11,161	156,137	128,612	13,848	4,417	9,260
3d qtr.	252,781	190,998	42,992	10,683	149,194	106,802	35,388	7,004	103,587	84,196	7,604	8,108	3,679
4th qtr.													
1990 total													

Table 24--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90 (continued)

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO CANADA													
1979	7,223	2,435	3,702	1,086	7,223	2,435	3,702	1,086	--	--	--	--	--
1980	323	133	36	154	323	133	36	154	--	--	--	--	--
1981	463	173	17	273	463	173	17	273	--	--	--	--	--
1982	1,068	137	424	507	1,068	137	424	507	--	--	--	--	--
1983	1,046	55	360	631	1,046	55	360	631	--	--	--	--	--
1984	2,081	549	760	771	2,081	549	760	771	--	--	--	--	--
1985	6,390	16	5,527	847	6,390	16	5,527	847	--	--	--	--	--
1986	12,239	418	10,615	1,207	11,051	418	9,578	1,055	1,189	--	1,037	--	152
1987	8,070	822	7,161	87	7,561	822	6,652	87	509	--	509	--	--
1988	3,842	336	3,334	172	3,842	336	3,334	172	--	--	--	--	--
1989:													
1st qtr.	1,998	902	1,056	41	1,998	902	1,056	41	--	--	--	--	--
2d qtr.	2,783	1,867	873	43	2,783	1,867	873	43	--	--	--	--	--
3d qtr.	1,983	1,112	773	98	1,983	1,112	773	98	--	--	--	--	--
4th qtr.	3,615	1,543	1,882	190	3,615	1,543	1,882	190	--	--	--	--	--
1989 total	10,379	5,424	4,583	372	10,379	5,424	4,583	372	--	--	--	--	--
1990:													
1st qtr.	2,909	279	2,592	38	2,909	279	2,592	38	--	--	--	--	--
2d qtr.	1,908	410	1,415	83	1,908	410	1,415	83	--	--	--	--	--
3d qtr.	2,169	205	630	1,334	2,169	205	630	1,334	--	--	--	--	--
4th qtr.													
1990 total													
TO SOUTH KOREA													
1979	80,173	6,982	66,119	7,072	73,751	6,378	61,554	5,819	6,422	604	4,565	--	1,253
1980	71,675	4,116	62,972	4,587	62,108	3,279	55,220	3,609	9,567	837	7,752	--	978
1981	47,481	4,027	39,591	3,863	43,048	3,513	35,896	3,639	4,433	514	3,695	--	224
1982	76,415	9,169	61,095	6,151	66,657	8,136	53,187	5,334	9,758	1,033	7,908	--	817
1983	84,776	5,481	67,356	11,939	76,707	4,630	62,197	9,880	8,069	851	5,159	--	2,059
1984	77,339	1,723	66,588	9,026	68,951	1,358	60,119	7,474	8,389	365	6,449	2	1,573
1985	85,611	2,803	73,284	9,509	75,078	1,695	66,483	6,900	10,533	1,108	6,801	15	2,609
1986	90,498	2,909	79,018	8,547	82,152	2,612	71,105	8,432	8,348	296	7,913	23	116
1987	126,745	4,952	104,680	16,935	112,289	3,871	93,149	15,269	14,456	1,080	11,531	178	1,667
1988	191,804	6,210	162,541	23,053	163,755	4,622	137,250	21,884	28,047	1,588	25,291	--	1,169
1989:													
1st qtr.	43,546	1,343	36,965	5,238	35,197	1,326	28,835	5,036	8,349	17	8,130	--	202
2d qtr.	74,353	3,297	59,317	11,739	59,873	3,002	45,584	11,287	14,480	295	13,733	--	452
3d qtr.	49,142	1,415	41,054	6,673	42,842	1,394	35,072	6,376	6,300	21	5,982	--	297
4th qtr.	49,507	599	45,489	3,419	34,589	372	30,934	3,283	14,918	227	14,555	--	136
1989 total	216,548	6,655	182,826	27,068	172,501	6,094	140,425	25,982	44,047	560	42,401	--	1,086
1990:													
1st qtr.	43,874	937	37,753	5,184	37,775	937	31,654	5,184	6,099	--	6,099	--	--
2d qtr.	69,609	721	62,101	6,779	49,775	705	42,749	6,321	19,834	16	19,352	8	458
3d qtr.	56,761	831	52,535	3,395	41,374	763	37,216	3,395	15,387	68	15,319	--	--
4th qtr.													
1990 total													
TO PEOPLE'S REPUBLIC OF CHINA													
1980	41,433	34,285	5,640	1,508	21,326	16,692	3,143	1,491	20,107	17,593	2,497	--	17
1981	88,000	63,977	17,629	6,394	67,639	47,363	14,250	6,026	20,361	16,614	3,379	--	368
1982	207,078	158,699	42,476	5,903	138,219	99,194	36,212	2,813	68,859	59,505	6,264	--	3,090
1983	220,458	161,616	51,464	7,378	164,982	110,449	49,093	5,440	55,476	51,167	2,371	--	1,938
1984	264,969	199,224	56,673	9,072	184,041	128,413	50,731	4,897	80,928	70,811	5,942	--	4,174
1985	312,178	221,344	81,604	9,230	195,164	117,736	71,825	5,603	117,014	103,609	9,779	--	3,627
1986	176,472	110,633	60,184	5,656	128,869	69,348	56,570	2,950	447,604	41,284	3,614	--	2,706
1987	158,384	113,984	41,361	3,039	123,661	84,867	37,120	1,673	34,723	29,116	4,241	--	1,366
1988	410,693	325,151	78,648	6,874	268,504	202,915	60,973	4,617	142,188	122,236	17,675	20	2,257
1989:													
1st qtr.	56,515	46,301	8,248	1,966	38,673	32,631	4,076	1,966	17,841	13,670	4,172	--	--
2d qtr.	35,545	28,952	6,252	296	16,802	13,324	3,245	233	18,743	15,628	3,007	45	63
3d qtr.	30,606	25,856	4,614	116	21,874	20,682	1,185	7	8,732	5,174	3,429	20	109
4th qtr.	45,697	43,927	1,673	97	32,749	30,979	1,673	97	12,948	12,948	--	--	--
1989 total	168,362	145,035	20,786	2,476	110,098	97,616	10,179	2,303	58,265	47,420	10,607	65	173
1990:													
1st qtr.	18,101	16,110	570	1,316	15,824	13,982	570	1,272	2,277	2,128	--	105	44
2d qtr.	32,673	31,993	400	280	23,354	23,074	--	280	9,319	8,919	400	--	--
3d qtr.	64,037	57,952	4,858	1,227	40,328	36,091	3,010	1,227	23,709	21,861	1,848	--	--
4th qtr.													
1990 total													

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

Table 25--Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
						TO ALL COUNTRIES							
1979	457.70	476.70	409.86	556.43	440.68	453.14	409.17	552.23	496.62	506.62	538.65	1,076.06	312.15
1980	497.32	503.00	461.73	591.73	491.73	492.57	469.21	602.07	507.50	513.91	434.54	1,349.27	562.28
1981	444.32	468.61	385.26	477.98	429.80	460.85	391.35	482.47	472.80	478.88	364.40	1,605.09	462.93
1982	395.27	420.40	344.17	401.43	378.94	410.40	345.12	407.83	422.12	430.85	341.04	1,656.70	379.63
1983	344.37	352.81	312.40	425.04	333.67	341.97	312.24	426.69	366.21	366.69	313.29	1,232.31	419.37
1984	332.00	340.04	299.77	393.76	321.87	332.76	299.56	404.06	351.44	348.59	300.80	1,271.75	360.06
1985	323.71	335.26	290.08	377.71	312.41	329.10	289.12	393.88	342.58	341.00	295.28	1,145.43	333.26
1986	334.37	352.24	288.19	430.31	317.55	335.18	330.25	453.02	362.45	367.70	290.90	911.05	359.57
1987	393.14	407.57	338.92	533.33	369.69	380.10	337.39	551.91	436.96	438.92	346.87	1,495.86	485.21
1988	468.71	473.26	423.23	541.87	450.04	450.87	427.90	574.52	499.59	498.91	405.42	1,875.39	462.90
1989:													
1st qtr.	468.62	531.02	334.20	607.17	429.02	485.04	333.89	605.53	552.55	604.20	335.22	3,149.60	606.81
2d qtr.	448.36	506.24	335.73	533.96	417.41	474.94	339.35	536.17	501.69	540.76	323.95	2,312.80	527.98
3d qtr.	495.57	548.27	380.03	574.88	471.92	508.09	412.48	571.73	543.16	609.11	280.54	2,398.43	585.40
4th qtr.	511.73	540.27	436.11	571.62	469.40	493.83	432.54	525.23	583.91	596.06	447.72	3,120.44	666.26
1989 average	476.89	529.22	365.22	567.07	443.37	489.66	373.67	558.47	539.73	581.52	338.15	2,628.43	598.54
1990:													
1st qtr.	534.12	561.47	453.35	572.11	507.41	529.23	468.97	549.65	586.91	607.39	393.32	2,584.99	640.93
2d qtr.	568.21	609.98	491.57	579.23	531.63	554.14	483.87	616.01	632.74	664.22	514.62	2,161.82	515.40
3d qtr.	578.59	591.39	518.14	568.09	554.63	569.10	526.45	571.75	622.61	624.70	494.03	2,692.56	555.89
4th qtr.													
1990 average													
						TO JAPAN							
1979	468.83	478.56	424.49	571.08	455.55	457.61	426.46	571.62	496.42	504.36	417.11	1,080.54	569.44
1980	507.98	504.92	477.88	666.74	504.11	493.35	487.40	619.98	514.71	516.98	445.44	1,349.27	570.09
1981	461.95	477.74	403.12	514.15	449.65	471.47	414.49	528.31	482.51	484.95	370.20	1,606.26	474.63
1982	412.12	428.70	360.73	443.27	394.85	417.00	364.52	448.55	435.13	438.75	351.23	1,657.12	420.65
1983	366.40	369.73	333.18	455.26	360.00	363.98	338.27	460.66	375.49	375.04	319.50	1,232.31	436.51
1984	352.24	355.80	311.52	457.75	340.56	347.31	314.12	466.44	368.70	363.29	302.91	1,289.03	418.06
1985	346.72	354.78	303.17	414.78	332.29	346.64	304.13	420.81	365.60	361.39	299.77	1,169.03	390.15
1986	364.59	370.77	314.74	484.28	345.74	349.32	315.93	499.74	386.21	387.01	310.54	910.36	435.00
1987	448.24	445.52	406.35	594.20	433.58	425.65	413.40	640.66	466.58	462.63	382.17	1,590.66	504.05
1988	532.26	522.09	500.80	566.62	514.64	497.14	521.67	620.39	553.69	544.98	438.67	1,965.04	466.19
1989:													
1st qtr.	513.37	574.41	338.61	599.74	476.21	536.95	358.93	621.32	575.00	622.29	280.45	3,360.78	623.94
2d qtr.	511.31	534.02	411.86	546.57	475.83	503.69	411.62	553.17	562.94	565.84	412.81	2,362.98	523.14
3d qtr.	567.90	581.63	479.06	598.57	528.69	547.83	485.56	580.32	637.56	624.93	450.06	2,407.80	654.02
4th qtr.	570.24	586.94	495.06	566.37	526.98	544.27	507.59	497.24	626.67	625.68	449.92	3,305.50	670.07
1989 average	537.31	565.10	424.43	580.32	499.10	530.37	435.36	563.60	596.39	604.14	384.72	2,697.03	621.38
1990:													
1st qtr.	556.00	569.81	484.97	559.10	521.83	537.82	490.90	522.11	613.25	610.88	461.94	2,737.97	644.64
2d qtr.	610.02	621.11	556.71	559.48	576.40	576.71	570.44	600.05	658.53	676.55	512.89	2,103.33	517.32
3d qtr.	638.80	631.43	595.70	591.10	611.70	612.56	609.92	607.56	682.36	657.11	537.39	2,765.35	562.11
4th qtr.													
1990 average													

Table 25--Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90 (continued)

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO CANADA													
1979	299.41	314.72	274.22	374.48	299.41	314.72	274.22	374.48	--	--	--	--	--
1980	327.92	336.71	360.00	308.00	327.92	336.71	360.00	308.00	--	--	--	--	--
1981	347.60	441.33	--	303.33	347.60	441.33	--	303.33	--	--	--	--	--
1982	224.51	215.75	235.56	220.43	224.51	215.75	235.56	220.43	--	--	--	--	--
1983	200.35	138.54	128.57	315.50	200.35	137.46	128.57	315.50	--	--	--	--	--
1984	198.93	228.18	168.89	335.22	198.93	228.18	168.89	335.22	--	--	--	--	--
1985	194.82	456.64	181.21	368.26	194.82	456.64	181.21	368.26	--	--	--	--	--
1986	208.19	180.87	232.79	185.09	206.10	180.87	232.79	185.09	230.09	--	230.44	--	217.14
1987	185.35	152.05	201.15	217.50	182.65	152.05	201.15	217.50	242.38	--	242.38	--	--
1988	184.15	416.87	171.86	245.71	184.15	416.87	171.86	245.71	--	--	--	--	--
1989:													
1st qtr.	267.01	366.97	211.20	--	267.01	366.97	211.20	--	--	--	--	--	--
2d qtr.	486.03	605.58	335.77	--	486.03	605.58	335.77	--	--	--	--	--	--
3d qtr.	405.69	478.90	280.90	490.00	405.69	478.90	280.90	490.00	--	--	--	--	--
4th qtr.	296.09	304.16	230.30	475.00	296.09	304.16	230.30	475.00	--	--	--	--	--
1989 average	342.46	419.30	274.43	487.00	342.46	419.30	274.43	487.00	--	--	--	--	--
1990:													
1st qtr.	384.79	476.92	375.65	380.00	384.79	476.92	375.65	380.00	--	--	--	--	--
2d qtr.	328.97	292.86	362.82	166.00	328.97	292.86	362.82	166.00	--	--	--	--	--
3d qtr.	275.39	215.56	277.78	286.45	275.39	215.56	277.78	286.45	--	--	--	--	--
4th qtr.													
1990 average													
TO SOUTH KOREA													
1979	326.82	343.23	323.80	340.00	324.79	341.93	323.80	317.98	352.05	357.61	323.76	--	522.08
1980	374.50	348.93	376.18	375.98	378.74	343.39	381.09	379.89	349.17	372.50	344.53	--	362.22
1981	321.18	368.81	313.22	367.90	324.46	376.41	316.26	371.33	292.45	324.29	286.43	--	373.33
1982	299.98	329.71	296.29	297.15	302.81	341.26	298.47	294.70	281.94	260.32	282.43	--	302.59
1983	296.80	282.70	281.71	438.93	295.74	282.21	282.07	439.11	307.16	285.38	277.37	--	438.09
1984	292.67	286.83	281.32	419.81	291.41	283.51	281.46	410.66	303.51	299.92	279.18	281.14	467.67
1985	287.64	260.84	277.38	420.75	284.75	245.68	275.29	450.98	310.13	288.05	299.60	441.18	352.57
1986	277.98	297.75	265.70	464.51	278.87	300.47	265.42	468.44	269.56	274.84	268.24	1,429.31	386.67
1987	310.54	343.94	290.70	510.09	309.99	347.27	289.82	514.11	314.92	332.21	297.96	358.87	490.29
1988	391.56	425.63	376.08	534.87	393.54	433.06	376.44	535.06	380.37	405.41	374.13	--	531.36
1989:													
1st qtr.	346.08	452.95	326.26	551.37	334.74	453.64	309.72	553.41	403.78	404.76	402.48	--	505.00
2d qtr.	296.42	327.90	271.97	517.14	302.14	319.87	272.96	517.75	274.94	440.30	268.75	--	502.22
3d qtr.	349.85	511.01	324.03	606.64	352.27	511.75	324.74	584.95	334.25	466.67	167.10	--	990.00
4th qtr.	400.17	395.64	389.13	645.09	382.62	358.38	366.95	656.60	447.79	476.89	446.47	--	680.00
1989 average	337.91	384.62	317.96	558.10	334.74	379.22	310.33	555.17	350.95	454.18	303.51	--	678.75
1990:													
1st qtr.	430.94	578.75	404.21	762.35	469.92	578.75	439.64	762.35	284.67	--	285.00	--	--
2d qtr.	463.13	515.00	444.53	736.85	446.01	503.57	419.11	770.85	512.51	--	513.32	--	458.00
3d qtr.	503.18	716.38	488.84	812.98	501.38	755.45	481.23	812.98	508.09	453.33	508.36	--	--
4th qtr.													
1990 average													
TO PEOPLE'S REPUBLIC OF CHINA													
1980	471.98	490.48	400.00	396.84	492.85	523.52	413.55	392.37	451.70	462.77	384.15	--	--
1981	401.39	427.68	343.65	349.40	396.06	426.47	336.88	346.32	420.18	431.15	375.44	--	408.89
1982	388.44	406.87	339.54	327.94	385.27	406.20	341.30	330.94	394.97	407.99	329.68	--	325.26
1983	315.28	325.17	289.77	299.92	308.14	317.77	290.49	289.36	338.64	342.38	275.70	--	334.14
1984	313.50	318.92	298.75	294.55	312.11	319.18	296.67	300.43	316.71	318.46	317.75	--	287.86
1985	303.22	309.02	290.92	281.40	302.88	309.89	292.80	293.35	303.79	308.04	277.81	--	266.69
1986	290.10	295.51	281.10	285.66	296.47	305.75	284.99	313.83	274.17	279.78	231.67	--	257.71
1987	283.50	292.64	263.45	249.10	283.87	294.01	263.82	265.56	282.17	288.72	260.18	--	231.53
1988	390.20	393.71	377.57	375.63	388.60	391.72	379.42	378.44	393.25	397.04	371.32	909.09	370.00
1989:													
1st qtr.	397.23	399.83	369.87	468.10	363.35	367.22	304.18	468.10	497.84	507.37	468.76	--	--
2d qtr.	352.96	356.60	322.27	986.67	337.56	327.29	356.59	1,165.00	368.01	386.09	291.94	1,730.77	630.00
3d qtr.	360.10	364.97	327.23	--	355.39	353.13	395.00	--	372.48	421.44	308.92	1,818.18	--
4th qtr.	419.47	422.19	355.96	485.00	426.39	413.54	355.96	485.00	444.43	444.43	--	--	--
1989 average	385.27	390.00	343.57	526.81	369.70	371.09	338.17	500.65	418.13	435.72	348.91	1,756.76	1,153.33
1990:													
1st qtr.	454.71	456.18	438.46	424.52	447.79	451.28	438.46	424.00	509.40	491.23	--	2,441.86	440.00
2d qtr.	476.28	475.38	800.00	350.00	452.60	454.21	--	350.00	548.18	540.55	800.00	--	--
3d qtr.	476.94	487.40	377.12	494.36	465.22	467.48	430.06	494.36	498.30	524.28	314.13	--	--
4th qtr.													
1990 average													

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

Table 26--Volume and average value of softwood log exports from the San Francisco Customs District by species and destination, 1979-90

(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								
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	73,730	607.95	21,140	643.33	1	2,000.00	52,589	594.70
1990:								
1st quarter	27,967	577.86	3,570	594.68	0	--	24,397	575.40
2d quarter	14,166	508.61	6,363	481.69	0	--	7,803	530.57
3d quarter	38,509	504.17	12,523	551.63	15	3,000.00	25,985	479.58
4th quarter								
1990 total and average value								
TO JAPAN								
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	345.62	354	774.01	18,489	322.08
1987	25,212	393.34	8,944	477.30	0	--	16,268	347.25
1988	28,269	500.09	11,180	594.28	147	2,238.10	16,942	422.85
1989	50,634	675.04	15,078	622.83	0	--	35,556	697.18
1990:								
1st quarter	24,696	573.49	3,407	595.83	0	--	21,289	569.92
2d quarter	8,654	530.04	4,256	495.07	0	--	4,398	563.89
3d quarter	20,633	531.58	5,982	636.74	0	--	14,651	488.64
4th quarter								
1990 total and average value								
TO PEOPLE'S REPUBLIC OF CHINA								
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	9,355	363.01	2,944	518.34	1	2,000.00	6,409	291.47
1990:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	9,994	454.67	5,912	459.24	0	--	4,082	448.06
4th quarter								
1990 total and average value								

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

Table 27--Volume and average value of softwood log exports from Anchorage Customs District by species and destination, 1980-90

(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	519,538	510.93	260,031	411.46	58,312	443.01	175,901	641.21
1989	643,061	511.73	278,963	431.46	74,065	404.27	251,118	620.86
1990:								
1st quarter	80,747	549.80	28,407	441.55	5,649	494.60	39,699	636.77
2d quarter	183,738	612.40	87,029	473.62	20,564	510.46	66,476	814.01
3d quarter	172,041	586.38	80,457	456.49	19,504	399.87	58,821	804.81
4th quarter								
1990 total and average value								
				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	321,655	644.34	137,983	563.71	18,871	435.59	142,422	718.39
1989	489,188	560.47	201,145	478.00	21,396	465.88	228,074	637.74
1990:								
1st quarter	75,222	561.22	24,970	454.67	3,785	500.40	39,550	637.67
2d quarter	132,092	674.90	55,043	502.32	6,568	526.95	60,902	844.37
3d quarter	124,677	635.47	51,059	487.73	6,094	380.54	54,724	795.65
4th quarter								
1990 total and average value								
				TO PEOPLE'S 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	--	0	--
1983	15,591	305.18	5,247	285.69	0	--	10,344	315.06
1984	0	--	0	--	0	--	0	--
1985	2,113	352.58	1,860	331.18	0	--	253	513.83
1986	0	--	0	--	0	--	0	--
1987	19,602	296.09	2,061	183.41	0	--	17,541	309.33
1988	9,267	327.61	601	361.06	0	--	8,666	325.41
1989	6,998	271.36	0	--	0	--	6,998	271.36
1990:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	1,326	413.27	1,326	413.27	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter								
1990 total and average value								

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

Table 28--Volume and average value of 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	--	40,035	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 28--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 23 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 29--Volume and average value of log exports by port, species, and destination, Seattle Customs District, third quarter 1990

(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	55,344	562.51	32,272	596.69	22,842	514.54	230	530.02	0	--
Redcedar	3,056	897.18	1,072	686.89	0	--	1,983	1,010.86	0	--
Hemlock	53,602	532.44	20,511	594.53	3,550	467.59	29,541	497.13	0	--
Spruce	2,322	518.42	1,676	538.03	646	467.54	0	--	0	--
Other softwoods	133	339.75	133	339.75	0	--	0	--	0	--
All softwoods	114,456	556.21	55,664	595.25	27,038	507.25	31,754	529.45	0	--
Anacortes:										
Douglas-fir	8,220	573.70	7,955	580.40	0	--	0	--	265	372.82
Redcedar	4,474	288.91	0	--	0	--	0	--	4,474	288.91
Hemlock	2,864	347.17	596	610.69	0	--	0	--	2,268	277.92
Other softwoods	99	302.00	99	302.00	0	--	0	--	0	--
All softwoods	15,657	449.16	8,650	579.29	0	--	0	--	7,007	288.53
All hardwoods	36	1,227.97	0	--	0	--	0	--	36	1,227.97
Everett:										
Douglas-fir	57,547	529.23	33,978	618.25	22,796	393.51	222	1,040.28	0	--
Redcedar	1,551	612.51	447	684.32	0	--	956	597.41	0	--
Hemlock	28,974	478.74	9,855	604.94	3,449	391.47	15,670	418.58	0	--
Spruce	2,216	491.65	0	--	1,822	504.37	0	--	0	--
Other softwoods	1,045	679.76	1,045	679.76	0	--	0	--	0	--
All softwoods	91,333	515.44	45,322	617.42	28,066	400.46	16,848	436.93	0	--
Red alder	160	130.41	0	--	0	--	0	--	0	--
All hardwoods	1,060	175.61	45	343.10	0	--	619	184.49	0	--
Port Angeles:										
Douglas-fir	14,827	541.97	14,827	541.97	0	--	0	--	0	--
Redcedar	822	683.01	57	1,642.13	0	--	765	612.17	0	--
Hemlock	31,164	539.67	8,427	635.42	0	--	22,737	504.19	0	--
Spruce	1,777	708.52	1,777	708.52	0	--	0	--	0	--
Other softwoods	1,085	318.47	1,085	318.47	0	--	0	--	0	--
All softwoods	49,674	543.94	26,172	576.48	0	--	23,502	507.70	0	--
All hardwoods	143	290.49	143	290.49	0	--	0	--	0	--
Seattle:										
Douglas-fir	4,519	741.84	3,331	750.03	563	475.73	0	--	0	--
Port-Orford-cedar	27	1,540.89	0	--	0	--	0	--	0	--
Redcedar	517	878.90	3	1,754.16	0	--	23	908.66	0	--
Hemlock	6,238	724.66	3,681	906.09	0	--	1,625	493.26	0	--
Spruce	81	1,922.13	49	2,527.90	15	399.71	0	--	0	--
Other softwoods	471	828.05	88	1,163.43	0	--	241	850.77	0	--
All softwoods	11,852	752.07	7,152	848.13	578	473.76	1,889	543.90	0	--
Red alder	231	1,022.74	79	909.17	0	--	48	1,159.62	0	--
All hardwoods	2,451	1,497.38	531	2,200.65	0	--	1,145	1,732.24	13	1,097.37

Table 29--Volume and average value of log exports by port, species, and destination, Seattle Customs District, third quarter 1990 (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	110,008	587.99	78,421	626.86	31,003	487.05	558	735.05	0	--
Port-Orford-cedar	6	1,042.08	0	--	0	--	0	--	0	--
Redcedar	247	600.00	39	575.85	0	--	208	604.55	0	--
Hemlock	22,115	527.19	14,353	554.12	0	--	7,762	477.40	0	--
Spruce	581	1,272.98	581	1,272.98	0	--	0	--	0	--
Other softwoods	3,380	468.47	3,380	468.47	0	--	0	--	0	--
All softwoods	136,336	578.12	96,774	614.40	31,003	487.05	8,528	497.36	0	--
Red alder	314	458.90	50	400.88	0	--	215	395.84	0	--
All hardwoods	787	412.13	94	564.67	0	--	536	304.26	0	--
Other ports:[a]										
Douglas-fir	4,436	606.08	0	--	0	--	0	--	686	155.20
Hemlock	597	376.02	0	--	0	--	0	--	0	--
Other softwoods	65	650.06	0	--	0	--	0	--	65	650.06
All softwoods	5,099	579.68	0	--	0	--	0	--	751	197.99
Hardwoods	43	1,945.85	0	--	0	--	0	--	22	1,140.53
Total:										
Douglas-fir	254,900	569.10	170,783	612.32	77,204	467.48	1,010	755.58	951	215.92
Port-Orford-cedar	33	1,457.20	0	--	0	--	0	--	0	--
Redcedar	10,666	576.37	1,615	718.81	0	--	3,935	810.89	4,474	288.91
Hemlock	145,555	526.45	57,423	612.35	6,999	430.08	77,335	481.23	2,268	277.92
Spruce	6,976	637.41	4,083	740.93	2,483	494.16	0	--	0	--
Other softwoods	6,276	501.20	5,830	483.16	0	--	241	850.77	65	650.06
All softwoods	424,408	554.84	239,735	612.09	86,685	465.23	82,521	501.38	7,758	279.77
Red alder	706	568.82	129	712.13	0	--	263	534.36	0	--
All hardwoods	4,520	962.39	848	1,506.02	0	--	2,299	983.15	71	1,177.11

[a] Bellingham, Blaine, and Sumas.

Source: U.S. Department of Commerce.

Table 30--Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, 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	--	142	626.24	450	434.47

Source: U.S. Department of Commerce.

Table 31--Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, third quarter 1990

(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	517	687.24	517	687.24	0	--	0	--	0	--
Hemlock	18	566.25	18	566.25	0	--	0	--	0	--
Spruce	706	750.28	706	750.28	0	--	0	--	0	--
Other softwoods	19	1,725.71	19	1,725.71	0	--	0	--	0	--
All softwoods	1,259	736.20	1,259	736.20	0	--	0	--	0	--
Coos Bay:										
Douglas-fir	34,078	683.88	27,930	751.41	6,052	375.49	0	--	0	--
Port-Orford-cedar	2,880	2,784.15	2,880	2,784.15	0	--	0	--	0	--
Hemlock	11,133	400.36	1,768	643.09	5,883	314.13	3,482	422.84	0	--
Spruce	117	617.34	117	617.34	0	--	0	--	0	--
Other softwoods	11	1,285.98	0	--	0	--	0	--	0	--
All softwoods	48,218	743.82	32,695	924.10	11,935	345.24	3,482	422.84	0	--
All hardwoods	7	1,191.83	0	--	0	--	0	--	0	--
Longview (Washington):										
Douglas-fir	68,729	593.86	45,940	606.26	22,788	568.84	0	--	0	--
Hemlock	8,329	539.30	8,329	539.30	0	--	0	--	0	--
Other softwoods	2,674	627.74	2,674	627.74	0	--	0	--	0	--
All softwoods	79,732	589.29	56,944	597.48	22,788	568.84	0	--	0	--
All hardwoods	66	300.49	66	300.49	0	--	0	--	0	--
Newport:										
Hemlock	7,921	520.46	0	--	0	--	7,921	520.46	0	--
Portland:										
Douglas-fir	67,235	625.75	53,744	651.27	12,857	515.38	150	456.01	485	776.96
Port-Orford-cedar	300	1,814.95	53	1,741.58	0	--	0	--	248	1,830.53
Redcedar	18	2,494.34	0	--	0	--	0	--	0	--
Hemlock	22,798	514.00	4,036	487.08	0	--	18,731	519.12	31	918.51
Spruce	571	422.59	571	422.59	0	--	0	--	0	--
Other softwoods	2,575	456.08	2,507	448.39	0	--	0	--	68	739.65
All softwoods	93,498	596.77	60,911	630.83	12,857	515.38	18,881	518.62	831	1,092.85
Red alder	20	1,125.37	0	--	0	--	0	--	20	1,125.37
All hardwoods	278	1,903.21	218	2,141.73	0	--	0	--	20	1,125.37
Total:										
Douglas-fir	170,558	624.70	128,131	657.11	41,697	524.29	150	456.01	485	776.96
Port-Orford-cedar	3,180	2,692.70	2,932	2,765.47	0	--	0	--	248	1,830.53
Redcedar	18	2,494.34	0	--	0	--	0	--	0	--
Hemlock	50,199	494.03	14,150	537.41	5,883	314.13	30,134	508.35	31	918.51
Spruce	1,395	604.90	1,395	604.90	0	--	0	--	0	--
Other softwoods	5,279	549.24	5,200	545.18	0	--	0	--	68	739.65
All softwoods	230,629	623.07	151,808	682.36	47,580	498.31	30,284	508.09	831	1,092.85
Red alder	20	1,125.37	0	--	0	--	0	--	20	1,125.37
All hardwoods	351	1,587.34	284	1,712.87	0	--	0	--	20	1,125.37

Source: U.S. Department of Commerce.

Table 32--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	371.46	316	969.34
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 33--Volume and average value of log exports by port, species, and destination, San Francisco Customs District, third quarter 1990

(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	7,276	585.45	949	1,333.81	5,912	459.26	415	671.35	0	--
Hemlock	213	368.06	213	368.06	0	--	0	--	0	--
Spruce	1,453	575.36	0	--	0	--	1,453	575.36	0	--
Other softwoods	1,066	368.06	1,066	368.06	0	--	0	--	0	--
All softwoods	10,007	556.21	2,228	779.55	5,912	459.26	1,868	596.69	0	--
Oakland:										
Douglas-fir	214	493.59	0	--	0	--	210	481.16	0	--
Port-Orford-cedar	15	2,986.87	0	--	0	--	15	2,986.67	0	--
Other softwoods	2,310	468.10	0	--	0	--	1,497	461.02	74	466.98
All softwoods	2,539	485.15	0	--	0	--	1,721	485.50	74	466.98
Hardwoods	521	1,203.87	326	1,258.86	0	--	43	1,116.84	4	1,442.81
Sacramento:										
Douglas-fir	5,033	505.23	5,033	505.23	0	--	0	--	0	--
Other softwoods	14,444	471.30	6,886	496.92	4,082	447.97	3,476	447.95	0	--
All softwoods	19,477	480.07	11,919	500.43	4,082	447.97	3,476	447.95	0	--
San Francisco:										
Other softwoods	1,650	375.88	1,650	375.88	0	--	0	--	0	--
Hardwoods	159	1,237.43	137	1,064.90	0	--	0	--	22	2,307.08
Stockton:										
Other softwoods	4,778	545.97	4,778	545.97	0	--	0	--	0	--
Total:										
Douglas-fir	12,523	551.64	5,982	636.70	5,912	459.26	625	607.55	0	--
Port-Orford-cedar	15	2,986.67	0	--	0	--	15	2,986.67	0	--
Hemlock	213	368.06	213	368.06	0	--	0	--	0	--
Spruce	1,453	575.36	0	--	0	--	1,453	575.36	0	--
Other softwoods	24,248	474.68	14,380	489.78	4,082	447.97	4,972	451.89	74	466.98
All softwoods	38,451	503.94	20,575	531.24	9,994	454.65	7,065	496.42	74	466.98
Hardwoods	680	1,211.71	463	1,201.49	0	--	43	1,116.84	26	2,187.87

Source: U.S. Department of Commerce.

Table 34--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	431.46	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 35--Volume and average value of log exports by port, species, and destination, Anchorage Customs District, third quarter 1990

(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	10,493	517.72	10,075	507.36	0	--	417	767.83	0	--
Spruce	26,709	737.00	24,981	719.28	0	--	1,729	993.09	0	--
All softwoods	37,202	675.16	35,056	658.37	0	--	2,146	949.28	0	--
Dalton Cache:										
Hemlock	2,132	279.02	0	--	0	--	2,132	279.02	0	--
Juneau:										
Hemlock	4,367	483.29	2,693	549.07	0	--	0	--	0	--
Spruce	3,988	630.00	2,917	604.96	0	--	0	--	0	--
All softwoods	8,355	553.32	5,610	578.13	0	--	0	--	0	--
Ketchikan:										
Redcedar	19,095	403.25	5,684	390.47	0	--	9,389	421.16	2,092	294.30
Hemlock	63,466	450.49	38,291	478.25	0	--	24,558	403.90	0	--
Spruce	28,123	894.01	26,827	887.47	0	--	860	909.23	0	--
Other softwoods	11,692	676.50	11,234	655.33	0	--	0	--	0	--
All softwoods	122,376	566.64	82,035	630.24	0	--	34,806	421.04	2,092	294.30
Wrangell:										
Redcedar	409	243.11	409	243.11	0	--	0	--	0	--
Other softwoods	1,567	704.08	1,567	704.08	0	--	0	--	0	--
All softwoods	1,976	608.61	1,976	608.61	0	--	0	--	0	--
Total:										
Redcedar	19,504	399.89	6,094	380.57	0	--	9,389	421.16	2,092	294.30
Hemlock	80,457	456.49	51,059	487.73	0	--	27,108	399.68	0	--
Spruce	58,821	804.82	54,724	795.64	0	--	2,589	965.24	0	--
Other softwoods	13,259	679.76	12,800	661.30	0	--	0	--	0	--
All softwoods	172,041	586.37	124,677	635.46	0	--	39,085	442.30	2,092	294.30

Source: U.S. Department of Commerce.

Table 36--Volume and average value of hardwood log exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1979-90

(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				
1979	2,597	853.39	341	1,233.84	107	638.57	1,272	2,397.78
1980	6,826	755.01	2,026	377.35	186	241.72	900	2,512.18
1981	3,416	928.92	439	1,071.46	0	--	683	2,082.79
1982	3,788	764.20	335	649.14	0	--	623	2,189.77
1983	4,442	592.01	374	456.83	0	--	241	947.33
1984	5,918	635.80	537	1,900.04	0	--	302	2,153.28
1985	4,024	951.03	1,090	1,178.25	0	--	234	1,399.62
1986	7,603	1,105.20	1,713	753.66	31	419.35	282	1,131.39
1987	15,714	774.94	2,121	683.11	82	552.67	2,172	836.66
1988	32,102	657.72	2,900	674.14	469	543.71	1,668	820.14
1989:								
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	0	--	1,455	1,762.89
3d quarter	5,197	1,072.16	738	1,632.79	62	225.81	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
1990:								
1st quarter	11,008	1,001.18	978	935.58	7	1,285.71	2,625	1,445.33
2d quarter	11,469	897.64	1,113	867.92	0	--	2,303	1,721.67
3d quarter	4,445	962.65	344	1,578.49	0	--	678	1,210.91
4th quarter								
1990 total								
				TO JAPAN				
1979	1,824	632.48	300	1,197.06	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	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
1990:								
1st quarter	7,394	961.86	492	1,524.39	7	1,285.71	845	1,577.51
2d quarter	4,199	1,038.10	378	1,470.90	0	--	566	1,833.92
3d quarter	792	1,618.69	284	1,714.79	0	--	463	1,200.86
4th quarter								
1990 total								
				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	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	--
1990:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter								
1990 total								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) 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 37--Volume and average value of log exports from southern California ports by species, 1979-90

(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
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	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
1990:								
1st quarter	5,526	1,175.17	0	--	2,073	567.78	3,453	1,539.82
2d quarter	4,404	1,203.00	0	--	1,359	522.44	3,045	1,506.73
3d quarter	2,176	1,299.63	11	454.55	474	673.00	1,691	1,480.78
4th quarter								
1990 total								

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

Table 38--Volume and average value of softwood log exports to Canada from the Great Falls Customs District, 1979-90[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
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	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
1990:						
1st quarter	66	500.00	56	482.14	10	600.00
2d quarter	35	485.71	35	485.71	0	--
3d quarter	94	159.57	0	--	94	159.57
4th quarter						
1990 total and average value						

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

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

Table 39--Volume of log exports from British Columbia ports by species and destination, 1979-90[a]

(In thousand board feet, British Columbia log scale)

Year	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			TO ALL COUNTRIES				
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	624,967	6,711	392,428	9,845	111,038	80,817	24,128
1989	429,514	4,260	273,068	6,821	57,572	72,053	15,740
1990 c	168,035	5,033	74,040	3,091	31,788	36,402	17,682
			TO JAPAN				
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	419,249	2,649	287,439	4,923	82,759	34,150	7,329
1989	257,020	1,987	185,541	5,320	49,360	11,523	3,289
1990 c	113,091	1,898	68,940	2,561	30,773	7,925	971
			TO UNITED STATES				
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	100,596	3,289	52,031	4,702	20,684	16,402	3,488
1989	121,744	1,854	60,927	1,347	7,263	49,978	375
1990 c	20,773	3,091	1,236	265	640	6,954	8,565
			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	98,273	16,259	58,288	768	2,224	13,377	7,357
1986	80,613	3,133	38,842	5	8,942	14,061	15,630
1987	85,470	260	31,451	0	3,005	25,170	25,584
1988	60,927	684	34,172	0	1,700	14,945	9,426
1989	18,631	0	10,596	0	0	5,519	2,517
1990 c	0	0	0	0	0	0	0

[a] Does not include shipments of pulpwood logs.

[b] Does not include all hardwoods.

[c] Year-to-date figures (January through August).

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

Table 40--Average value of log exports from British Columbia ports by species and destination, 1985-90[a]

(In dollars per thousand board feet, Canadian dollars)

Year	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	NA	NA	NA	NA	NA	NA	338.67
1990	NA	NA	NA	NA	NA	NA	NA
			TO JAPAN				
1985	330.47	400.65	290.43	346.46	409.90	346.30	274.18
1986	357.35	406.42	326.85	434.02	407.33	376.84	294.77
1987	472.72	433.40	441.43	1,168.66	521.12	476.05	317.68
1988	NA	NA	NA	NA	NA	NA	245.97
1989	NA	NA	NA	NA	NA	NA	382.16
1990	NA	NA	NA	NA	NA	NA	NA
			TO UNITED STATES				
1985	210.20	337.89	162.83	404.41	164.29	210.41	157.27
1986	180.66	182.59	148.48	202.62	285.73	177.65	169.25
1987	290.76	--	286.10	1,046.32	366.34	250.65	130.17
1988	NA	NA	NA	NA	NA	NA	188.55
1989	NA	NA	NA	NA	NA	NA	164.34
1990	NA	NA	NA	NA	NA	NA	NA
			TO PEOPLE'S REPUBLIC OF CHINA				
1985	269.84	284.39	275.99	377.60	278.19	277.21	161.75
1986	247.97	252.36	251.35	252.20	285.44	272.81	194.88
1987	233.56	234.50	267.08	--	229.42	232.40	193.96
1988	NA	NA	NA	NA	NA	NA	190.01
1989	NA	NA	NA	NA	NA	NA	195.32
1990	NA	NA	NA	NA	NA	NA	NA

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 41--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1979-90

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

Year and quarter	Volume	Average value
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	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
1990:		
1st quarter	4,069	177.43
2d quarter	1,172	523.04
3d quarter	2,285	439.82
4th quarter		
1990 total and average value		

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

Table 42--Volume and average value of pulpwood imports from Canada into the Seattle Customs District, 1979-90

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Average value	Volume	Average value
	Short tons[a]	Dollars	Cords[b]	Dollars
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	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
1990:				
1st quarter	158,562	29.46	0	--
2d quarter	174,093	28.90	0	--
3d quarter	181,331	32.38	0	--
4th quarter				
1990 total and average value				

[a] Dry-weight basis.

[b] Green-weight basis.

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

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Table 43--Volume of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1979-90

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

(Volume in thousand short tons)

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades
				TO ALL COUNTRIES				
1979	172.4	293.2	12.0	51.6	251.5	13.5	10.3	280.1
1980	169.4	379.6	21.2	58.3	244.3	67.7	.1	362.6
1981	132.4	339.7	24.7	44.2	246.4	39.8	8.6	321.0
1982	118.5	279.1	15.1	40.3	199.1	10.8	2.3	312.0
1983	118.4	350.4	19.5	87.5	238.1	4.5	8.1	271.6
1984	107.2	349.1	24.6	97.0	177.4	34.2	14.9	315.9
1985	106.1	359.4	15.6	80.2	192.7	6.9	14.9	279.5
1986	152.7	468.5	6.4	79.6	220.7	7.5	3.1	349.6
1987	147.6	460.2	10.8	94.1	253.1	26.7	2.7	324.6
1988	199.1	508.8	14.6	100.5	275.4	30.6	1.4	366.0
1989:								
1st quarter	42.9	183.3	0.0	32.9	69.4	7.4	.1	108.6
2d quarter	45.5	138.1	0.0	26.6	78.2	4.3	.7	96.2
3d quarter	37.3	180.2	1.4	46.5	67.2	5.7	.1	82.3
4th quarter	40.7	134.1	0.0	29.9	65.9	4.6	0.0	85.6
1989 total	166.4	635.8	1.4	136.0	280.7	22.0	.9	372.7
1990:								
1st quarter	34.7	96.6	0.0	25.7	56.4	16.4	0.0	94.0
2d quarter	39.3	101.1	.1	35.3	85.6	11.4	0.0	87.6
3d quarter	33.5	110.7	.1	36.9	70.8	7.7	.4	82.9
4th quarter								
1990 total								
				TO JAPAN				
1979	64.2	70.9	2.8	13.9	160.0	5.5	8.5	95.9
1980	50.5	67.4	5.2	7.4	165.3	11.9	.1	144.2
1981	41.5	41.0	12.6	5.5	153.5	1.3	7.6	90.2
1982	41.0	59.4	13.7	7.3	103.9	1.3	2.3	116.6
1983	31.3	73.8	19.0	29.2	130.1	.5	6.6	136.6
1984	34.8	54.6	21.3	44.8	88.8	20.3	13.7	151.9
1985	25.5	42.8	15.5	44.4	87.1	4.7	13.8	131.9
1986	48.5	113.1	6.3	35.5	98.8	7.5	1.6	144.4
1987	48.1	60.2	10.8	35.0	105.1	8.9	2.2	124.0
1988	54.5	71.9	14.8	44.5	119.7	15.6	1.1	169.0
1989:								
1st quarter	14.4	18.9	0.0	14.8	28.9	3.5	0.0	52.5
2d quarter	13.4	24.2	0.0	15.8	23.3	2.8	0.0	48.1
3d quarter	9.0	42.4	0.0	20.3	26.4	2.6	.1	40.4
4th quarter	8.2	27.9	0.0	8.2	32.6	.7	0.0	32.9
1989 total	45.1	113.4	0.0	59.1	111.2	9.6	.1	173.9
1990:								
1st quarter	11.4	20.9	0.0	9.1	23.3	5.7	0.0	38.2
2d quarter	11.4	15.0	0.0	18.2	19.8	5.1	0.0	29.6
3d quarter	13.1	19.0	0.0	18.9	21.9	4.2	.4	42.2
4th quarter								
1990 total								

Table 43--Volume of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1979-90 (continued)

(Volume in thousand short tons)

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades
				TO SOUTH KOREA				
1979	12.8	43.0	0.0	1.4	23.1	0.6	0.0	18.9
1980	8.9	38.6	0.0	0.0	9.3	3.1	0.0	36.4
1981	8.9	43.8	0.0	0.0	13.5	.4	0.0	39.1
1982	11.3	31.5	0.0	.1	.4	0.0	0.0	27.6
1983	17.9	42.2	0.0	1.2	2.6	0.0	.7	21.6
1984	4.8	49.2	0.0	3.6	.2	0.0	.4	26.3
1985	8.8	65.5	0.0	.5	.4	0.0	0.0	45.5
1986	14.5	100.9	0.0	0.0	6.1	0.0	0.0	45.3
1987	19.4	91.6	0.0	2.7	0.0	2.5	0.0	36.2
1988	22.2	112.6	0.0	.3	0.0	6.8	0.0	44.9
1989:								
1st quarter	4.8	36.3	0.0	.2	0.0	2.0	0.0	11.8
2d quarter	5.5	28.8	0.0	.6	0.0	1.5	0.0	11.5
3d quarter	3.3	42.7	0.0	.7	0.0	1.9	0.0	10.2
4th quarter	4.1	35.2	0.0	1.6	0.0	4.0	0.0	24.8
1989 total	17.8	143.0	0.0	3.1	0.0	9.4	0.0	58.3
1990:								
1st quarter	3.5	27.5	0.0	.3	0.0	3.0	0.0	17.9
2d quarter	2.5	26.6	0.0	7.1	0.0	6.2	0.0	23.2
3d quarter	1.1	31.2	0.0	3.9	0.0	1.2	0.0	17.9
4th quarter								
1990 total								
				TO WESTERN EUROPE				
1979	62.0	94.9	9.2	27.1	1.9	0.0	0.0	137.6
1980	57.4	112.4	14.4	35.5	0.0	0.0	0.0	126.0
1981	48.4	94.4	12.0	18.8	2.3	12.7	.5	128.5
1982	41.5	74.0	0.0	28.8	9.2	6.7	0.0	116.9
1983	42.5	94.3	0.0	46.6	6.8	4.1	0.0	84.7
1984	55.9	85.8	3.2	39.5	2.2	6.3	0.0	115.3
1985	51.0	69.7	0.0	30.0	8.1	2.2	0.0	60.5
1986	67.8	61.0	0.0	34.4	8.8	0.0	0.0	84.1
1987	62.3	69.4	0.0	45.1	7.9	0.0	0.0	69.0
1988	88.6	54.0	0.0	45.4	10.2	0.0	0.0	88.8
1989:								
1st quarter	11.4	26.2	0.0	17.3	2.4	.8	.1	25.0
2d quarter	15.6	19.9	0.0	9.2	4.2	0.0	0.0	17.4
3d quarter	16.2	19.3	1.4	25.5	2.8	0.0	0.0	19.1
4th quarter	19.9	21.4	0.0	18.1	1.2	0.0	0.0	19.5
1989 total	63.1	86.9	1.4	70.0	10.6	.9	.1	81.1
1990:								
1st quarter	15.5	18.0	0.0	15.0	3.0	1.2	0.0	33.5
2d quarter	17.4	11.6	0.0	7.4	2.0	.2	0.0	11.8
3d quarter	10.9	14.0	.1	9.0	3.7	0.0	0.0	12.8
4th quarter								
1990 total								

Source: U.S. Department of Commerce.

Table 44--Average value of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1979-90

(Value in dollars per short ton)

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades
				TO ALL COUNTRIES				
1979	446.69	341.27	409.43	327.61	435.69	412.79	433.44	352.66
1980	493.30	417.90	493.72	428.75	505.91	437.97	472.97	421.88
1981	540.61	408.09	510.06	471.85	506.96	391.22	518.67	451.99
1982	548.01	382.55	438.25	413.82	477.39	315.82	510.94	376.86
1983	473.02	328.64	431.28	347.78	481.88	282.69	527.93	337.97
1984	523.76	372.82	429.65	389.67	447.84	416.11	532.27	409.97
1985	458.97	312.27	428.87	291.35	377.76	344.96	538.89	336.08
1986	466.77	301.67	459.90	329.90	392.53	359.42	328.19	378.18
1987	525.85	409.04	529.85	434.83	469.22	461.69	456.14	503.33
1988	551.84	459.21	640.72	522.56	605.36	516.46	574.69	603.67
1989:								
1st quarter	523.43	434.00	--	576.15	713.91	614.59	773.56	665.85
2d quarter	600.34	449.98	--	621.97	698.88	665.89	452.20	717.65
3d quarter	636.64	502.81	485.10	590.87	776.04	663.01	766.28	689.15
4th quarter	673.19	449.75	--	607.96	746.06	587.10	--	651.80
1989 total	606.47	460.30	485.10	597.16	732.16	631.30	501.55	681.14
1990:								
1st quarter	712.00	522.49	--	628.02	706.53	484.29	--	667.43
2d quarter	678.29	509.00	832.51	591.26	617.13	455.74	453.72	550.04
3d quarter	710.47	500.77	783.70	516.36	596.25	466.34	801.62	566.01
4th quarter								
1990 total								
				TO JAPAN				
1979	449.27	349.27	417.93	349.34	444.08	394.81	452.04	339.08
1980	513.60	427.04	467.50	435.12	508.23	423.51	482.27	388.87
1981	567.90	451.60	460.64	444.85	518.36	387.53	516.21	462.04
1982	616.97	409.90	443.03	428.79	537.68	350.38	510.94	393.73
1983	569.44	365.81	429.94	338.21	512.49	302.63	510.67	353.11
1984	597.40	396.02	472.98	376.02	495.80	439.93	539.79	414.52
1985	537.86	378.67	429.32	271.28	413.59	313.46	552.99	361.19
1986	463.07	307.62	460.45	322.92	416.24	359.42	328.43	395.21
1987	534.00	474.94	529.85	441.44	480.87	467.52	469.04	505.16
1988	595.19	561.95	640.80	521.46	590.48	462.40	590.07	607.50
1989:								
1st quarter	549.26	558.41	--	619.54	698.78	657.61	--	669.50
2d quarter	653.82	545.32	--	689.30	767.48	672.30	--	725.44
3d quarter	710.60	500.12	--	666.23	757.21	671.46	766.28	702.37
4th quarter	691.41	493.48	--	680.34	748.05	659.12	--	720.87
1989 total	638.65	517.82	--	662.67	741.49	665.72	766.28	702.32
1990:								
1st quarter	775.24	549.28	--	614.69	716.46	511.51	--	672.58
2d quarter	729.57	656.19	--	587.48	683.31	450.00	--	588.96
3d quarter	802.96	619.70	--	432.39	656.42	498.17	801.62	587.97
4th quarter								
1990 total								

Table 44--Average value of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1979-90 (continued)

(Value in dollars per short ton)

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades	Dissolving grade	Paper grades
				TO SOUTH KOREA				
1979	395.61	313.70	--	213.24	380.09	409.09	--	318.12
1980	479.57	374.65	--	--	469.46	440.88	--	411.08
1981	499.15	349.54	--	--	509.07	385.42	619.05	426.02
1982	435.53	328.31	325.58	231.48	545.45	--	--	356.89
1983	401.13	303.74	--	311.49	556.73	--	596.97	344.53
1984	346.42	348.50	--	376.97	506.33	--	471.03	419.82
1985	376.24	262.04	--	302.17	429.71	--	428.57	285.56
1986	425.65	299.79	--	--	341.70	--	--	385.67
1987	491.95	436.80	--	367.08	--	462.12	--	502.21
1988	588.99	471.83	--	555.22	--	558.07	380.95	622.67
1989:								
1st quarter	731.85	358.96	--	649.44	--	625.29	--	696.17
2d quarter	616.65	466.96	--	672.49	--	654.31	--	744.52
3d quarter	552.94	541.08	--	657.93	--	637.63	--	728.55
4th quarter	778.43	390.46	--	524.16	--	575.29	--	551.66
1989 total	674.04	442.78	--	591.87	--	611.10	--	649.82
1990:								
1st quarter	797.18	437.18	--	435.70	--	487.83	--	616.31
2d quarter	722.32	396.08	--	488.69	--	449.85	--	530.29
3d quarter	644.44	447.92	--	454.63	--	426.35	--	510.74
4th quarter								
1990 total								
				TO WESTERN EUROPE				
1979	440.07	344.95	406.80	311.29	455.06	--	--	357.90
1980	509.25	413.23	503.30	395.14	--	578.57	--	435.86
1981	566.14	433.88	562.48	431.17	500.43	356.70	452.43	453.91
1982	558.53	414.85	--	412.11	447.00	326.42	--	383.99
1983	477.64	352.34	--	354.56	380.60	280.47	--	328.76
1984	502.26	392.02	139.30	384.23	405.44	377.19	--	403.50
1985	468.72	338.36	--	314.13	373.00	411.13	--	348.08
1986	498.99	393.35	--	359.73	393.52	--	--	369.95
1987	526.01	448.10	--	436.02	470.74	--	--	517.13
1988	505.93	528.66	590.91	547.15	567.33	--	--	589.47
1989:								
1st quarter	467.38	630.80	--	548.51	693.97	351.69	773.56	704.87
2d quarter	433.80	545.22	--	545.90	742.47	--	--	737.06
3d quarter	491.74	658.27	479.44	528.79	728.55	668.64	--	732.77
4th quarter	632.13	634.21	--	579.94	756.34	--	--	694.56
1989 total	517.24	618.08	479.44	549.09	729.24	359.46	773.56	715.89
1990:								
1st quarter	636.49	643.95	--	632.14	692.70	250.33	--	698.64
2d quarter	653.63	628.59	832.51	697.14	660.74	162.04	453.72	941.73
3d quarter	607.74	575.76	783.70	668.10	664.75	--	--	593.44
4th quarter								
1990 total								

Source: U.S. Department of Commerce.

Table 45--Volume and average value of chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1979-90

(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
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	681,811	89.24	2,015,988	78.06	282,497	82.43	11,505	48.67
1989:								
1st quarter	198,897	75.53	534,906	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
1990:								
1st quarter	156,525	92.54	539,181	99.78	90,129	109.38	0	--
2d quarter	236,160	98.58	490,154	98.92	118,955	98.59	4,199	31.91
3d quarter	181,488	93.88	553,988	94.26	103,374	91.92	15,819	81.23
4th quarter								
1990 total and average value								

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 46--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90[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 softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
					TO ALL COUNTRIES							
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	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.	R482,988	R249,716	120,311	112,961	R255,585	R105,094	85,386	65,105	227,403	144,622	34,925	47,856
1989 total	R1,944,049	R946,541	536,438	461,071	R1,002,337	R348,094	366,319	287,923	941,712	598,447	170,119	173,148
1990:												
1st qtr.	452,475	229,794	110,810	111,871	230,205	89,103	75,292	65,810	222,270	140,691	35,518	46,061
2d qtr.	390,215	186,243	97,483	106,489	230,797	74,677	74,369	81,751	159,418	111,566	23,114	24,738
3d qtr.	369,335	162,764	93,236	113,335	218,325	73,506	70,018	74,801	151,010	89,258	23,218	38,534
4th qtr.												
1990 total												
					TO JAPAN							
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	97,526	281,675	92,917	266,871	30,930	172,205	63,736	205,249	66,598	109,470	29,181
1986	672,409	129,385	424,528	118,496	497,508	78,111	329,745	89,652	174,901	51,274	94,783	28,844
1987	850,983	182,183	515,910	152,890	679,225	136,993	427,089	115,143	171,758	45,190	88,821	37,747
1988	1,030,664	284,807	526,639	219,218	695,784	167,362	372,557	155,865	334,880	117,445	154,082	63,353
1989:												
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.	R255,701	R101,119	108,374	46,208	R179,093	R71,215	75,182	32,696	76,608	29,904	33,192	13,512
1989 total	R1,090,252	R375,955	492,278	222,019	R691,984	R206,625	331,889	153,470	398,268	169,330	160,389	68,550
1990:												
1st qtr.	236,910	84,470	99,822	52,618	146,192	42,005	66,493	37,694	90,718	42,465	33,329	14,924
2d qtr.	216,478	69,069	89,869	57,540	150,856	38,690	67,827	44,339	65,622	30,379	22,042	13,201
3d qtr.	207,752	67,435	85,348	54,969	147,841	40,505	62,995	44,341	59,911	26,930	22,353	10,628
4th qtr.												
1990 total												

Table 46--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90[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 softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
					TO CANADA							
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	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	20,879	51,400	24,453	6,068	20,879	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
1990:												
1st qtr.	64,248	40,070	4,538	19,640	64,248	40,070	4,538	19,640	0	0	0	0
2d qtr.	54,942	26,682	3,929	24,331	54,942	26,682	3,929	24,331	0	0	0	0
3d qtr.	49,572	24,075	5,115	20,382	49,572	24,075	5,115	20,382	0	0	0	0
4th qtr.												
1990 total												
					TO PEOPLE'S REPUBLIC OF CHINA							
1981	9,041	8,829	20	192	335	123	20	192	8,706	8,706	0	0
1982	2,248	2,248	0	0	0	0	0	0	2,248	2,248	0	0
1983	7,402	7,402	0	0	0	0	0	0	7,402	7,402	0	0
1984	43,564	34,208	6	9,350	0	0	0	0	43,564	34,208	6	9,350
1985	17,490	13,998	2,808	684	89	0	0	89	17,401	13,998	2,808	595
1986	5,282	3,026	2,178	78	2,178	0	2,178	0	3,104	3,026	0	78
1987	9,267	8,834	0	433	631	198	0	433	8,636	8,636	0	0
1988	4,941	0	118	4,823	118	0	118	0	4,823	0	0	4,823
1989:												
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
1990:												
1st qtr.	4,418	0	0	4,418	201	0	0	201	4,217	0	0	4,217
2d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
3d qtr.	8	0	8	0	8	0	8	0	0	0	0	0
4th qtr.												
1990 total												

R = revised.

[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 47--Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90[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 softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
						TO ALL COUNTRIES						
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	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
1990:												
1st qtr.	218,442	121,295	47,702	49,445	98,504	38,270	31,498	28,736	119,938	83,025	16,204	20,709
2d qtr.	193,882	106,219	41,739	45,924	99,698	33,491	31,270	34,937	94,184	72,728	10,469	10,987
3d qtr.	179,433	92,819	38,619	47,995	90,494	32,032	27,908	30,554	88,939	60,787	10,711	17,441
4th qtr.												
1990 total												
						TO JAPAN						
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	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
1990:												
1st qtr.	106,249	37,886	42,466	25,897	63,033	18,567	27,545	16,921	43,216	19,319	14,921	8,976
2d qtr.	94,521	30,548	38,293	25,680	64,951	17,400	28,251	19,300	29,570	13,148	10,042	6,380
3d qtr.	91,466	30,238	35,511	25,717	61,825	17,473	25,077	19,275	29,641	12,765	10,434	6,442
4th qtr.												
1990 total												

Table 47--Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90[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 softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
					TO CANADA							
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	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	--	--	--	--
1990:												
1st qtr.	24,833	15,189	2,062	7,582	24,833	15,189	2,062	7,582	--	--	--	--
2d qtr.	21,741	10,452	1,776	9,513	21,741	10,452	1,776	9,513	--	--	--	--
3d qtr.	18,386	9,045	1,968	7,373	18,386	9,045	1,968	7,373	--	--	--	--
4th qtr.												
1990 total												
					TO PEOPLE'S REPUBLIC OF CHINA							
1981	2,566	2,531	15	20	91	55	15	20	2,475	2,475	--	--
1982	577	577	--	--	--	--	--	--	577	577	--	--
1983	2,381	2,381	--	--	--	--	--	--	2,381	2,381	--	--
1984	11,914	8,923	2	2,989	--	--	--	--	11,914	8,923	2	2,989
1985	4,784	3,669	732	383	41	--	--	41	4,743	3,669	732	341
1986	1,077	655	407	16	407	--	407	--	670	655	--	16
1987	2,792	2,635	--	157	244	87	--	157	2,548	2,548	--	--
1988	1,950	--	41	1,909	41	--	41	--	1,909	--	--	1,909
1989:												
1st qtr.	49	7	10	32	42	--	10	32	7	7	--	--
2d qtr.	100	--	100	--	67	--	67	--	33	--	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
1990:												
1st qtr.	1,876	--	--	1,876	60	--	--	60	1,816	--	--	1,816
2d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
3d qtr.	3	--	3	--	3	--	3	--	--	--	--	--
4th qtr.												
1990 total												

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

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

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

Table 48--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90[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 softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
					TO ALL COUNTRIES							
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	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.	R481.96	R526.98	432.84	434.76	R394.78	R353.65	413.92	436.05	579.95	652.93	479.08	433.01
1989 average	R450.48	R492.22	411.67	409.95	R398.25	R384.00	403.99	408.18	506.07	555.17	428.19	412.88
1990:												
1st qtr.	482.77	527.84	430.48	441.98	427.90	429.50	418.34	436.65	539.61	590.12	456.22	449.60
2d qtr.	496.86	570.32	428.17	431.26	431.97	448.48	420.47	427.36	590.80	651.88	452.93	444.13
3d qtr.	485.83	570.27	414.21	423.48	414.49	435.77	398.58	408.47	588.96	681.03	461.32	452.61
4th qtr.												
1990 average												
					TO JAPAN							
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	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.	R420.33	R372.12	436.10	488.88	R380.98	R310.22	420.05	445.25	512.35	519.53	472.46	594.43
1989 average	R413.72	R402.39	413.36	433.71	R396.68	R362.54	407.32	419.66	443.32	451.02	425.86	465.15
1990:												
1st qtr.	448.48	448.51	425.42	492.17	431.17	442.02	414.25	448.90	476.38	454.94	447.69	601.45
2d qtr.	436.63	442.28	426.10	446.30	430.55	449.73	416.52	435.28	450.61	432.80	455.58	483.30
3d qtr.	440.27	448.40	416.07	467.85	418.19	431.38	398.08	434.70	494.75	474.01	466.78	606.13
4th qtr.												
1990 average												

Table 48--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1979-90[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							
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	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	--	--	--	--
1990:												
1st qtr.	386.52	379.06	454.39	386.05	386.52	379.06	454.39	386.05	--	--	--	--
2d qtr.	395.71	391.72	452.02	390.98	395.71	391.72	452.02	390.98	--	--	--	--
3d qtr.	370.89	375.70	384.75	361.74	370.89	375.70	384.75	361.74	--	--	--	--
4th qtr.												
1990 average												
					TO PEOPLE'S REPUBLIC OF CHINA							
1981	283.78	286.62	741.60	105.42	270.55	450.82	741.60	105.42	284.30	284.30	--	--
1982	257.07	257.07	--	--	--	--	--	--	257.07	257.07	--	--
1983	321.62	321.62	--	--	--	--	--	--	321.62	321.62	--	--
1984	273.48	260.85	353.33	319.66	--	--	--	--	273.48	260.85	353.33	319.66
1985	273.54	262.14	260.70	559.48	464.35	--	--	464.35	272.56	262.14	260.70	573.71
1986	203.90	216.46	186.87	205.13	186.87	--	186.87	--	215.85	216.46	--	205.13
1987	301.28	298.28	--	362.59	386.69	439.39	--	362.59	295.04	295.04	--	--
1988	394.66	--	347.46	395.81	347.46	--	347.46	--	395.81	--	--	395.81
1989:												
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
1990:												
1st qtr.	424.63	--	--	424.63	298.51	--	--	298.51	430.64	--	--	430.64
2d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
3d qtr.	375.00	--	375.00	--	375.00	--	375.00	--	--	--	--	--
4th qtr.												
1990 average												

R =revised.

[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 49--Volume and average value of softwood lumber exports from northern California ports by species and destination, 1979-90[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				
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	76,667	452.48	7,828	576.78	12,017	635.60	56,822	396.62
1990:								
1st quarter	16,409	515.94	1,491	710.26	3,340	592.22	11,578	468.91
2d quarter	15,455	566.03	1,096	592.15	2,461	710.69	11,898	533.70
3d quarter	18,350	529.16	3,361	507.59	3,100	718.71	11,889	485.83
4th quarter								
1990 total and average value								
				TO JAPAN				
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	64,275	431.24	664	629.52	10,802	653.40	52,809	383.31
1990:								
1st quarter	14,740	491.45	469	501.07	3,239	594.01	11,032	460.93
2d quarter	11,136	497.49	177	751.41	2,442	703.52	8,517	433.13
3d quarter	11,989	548.92	203	743.84	3,018	727.30	8,768	483.01
4th quarter								
1990 total and average value								
				TO PEOPLE'S REPUBLIC OF CHINA				
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	0	--	0	--	0	--	0	--
1990:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter								
1990 total and average value								

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

Source: U.S. Department of Commerce.

Table 50--Volume and average value of softwood lumber exports from southern California ports by species and destination, 1979-90[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			
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	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
1990:						
1st quarter	60,456	446.16	820	536.59	59,636	444.92
2d quarter	71,957	335.51	4,442	336.79	67,515	335.42
3d quarter	103,795	297.02	4,298	317.12	99,497	296.15
4th quarter						
1990 total and average value						
			TO JAPAN			
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	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
1990:						
1st quarter	1,842	515.74	35	371.43	1,807	518.54
2d quarter	4,139	346.46	392	349.49	3,747	346.14
3d quarter	2,761	778.70	103	436.89	2,658	791.95
4th quarter						
1990 total and average value						

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

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

Table 51--Volume and average value of softwood lumber exports from Anchorage Customs District by species and destination, 1979-90

(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										
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	183,760	380.04	106,055	333.46	72,870	456.91	2,532	209.72	2,302	280.63
1990:										
1st quarter	62,473	332.67	28,286	344.23	34,187	323.13	0	--	0	--
2d quarter	52,275	385.39	31,654	354.65	20,622	432.55	0	--	0	--
3d quarter	51,149	444.80	29,464	379.96	17,088	623.89	4,597	194.69	0	--
4th quarter										
1990 total and average value										
TO JAPAN										
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	182,656	378.20	106,055	333.46	71,854	453.20	2,532	209.72	2,215	279.91
1990:										
1st quarter	62,473	332.67	28,286	344.23	34,187	323.13	0	--	0	--
2d quarter	52,275	385.39	31,654	354.65	20,622	432.55	0	--	0	--
3d quarter	39,828	473.81	24,460	406.95	14,633	590.58	735	372.79	0	--
4th quarter										
1990 total and average value										
TO PEOPLE'S REPUBLIC OF CHINA										
1981	27,159	251.78	18,438	252.58	8,721	250.09	0	--	0	--
1982	13,153	334.68	3,307	307.23	9,846	344.00	0	--	0	--
1983	12,254	332.63	6,428	326.54	5,826	339.51	0	--	0	--
1984	0	--	0	--	0	--	0	--	0	--
1985	0	--	0	--	0	--	0	--	0	--
1986	0	--	0	--	0	--	0	--	0	--
1987	0	--	0	--	0	--	0	--	0	--
1988	0	--	0	--	0	--	0	--	0	--
1989	0	--	0	--	0	--	0	--	0	--
1990:										
1st quarter	0	--	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--	0	--
4th quarter										
1990 total and average value										

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

Table 52--Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, third quarter 1990

(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	6	1,815.38	6	1,815.38	0	--	0	--	0	--
Cedars	12	813.79	12	813.79	0	--	0	--	0	--
Hemlock	266	394.59	266	394.59	0	--	0	--	0	--
All softwoods	284	440.30	284	440.30	0	--	0	--	0	--
All hardwoods	389	840.05	389	840.05	0	--	0	--	0	--
Everett:										
Cedars	17	1,445.50	17	1,445.50	0	--	0	--	0	--
Hemlock	11	353.06	11	353.06	0	--	0	--	0	--
All softwoods	28	1,025.33	28	1,025.33	0	--	0	--	0	--
Port Angeles:										
Douglas-fir	1,140	302.42	0	--	0	--	0	--	1,140	302.42
All hardwoods	26	553.46	0	--	0	--	0	--	26	553.46
Seattle:										
Douglas-fir	22,297	453.89	20,849	425.46	0	--	0	--	0	--
Other firs	20,878	349.76	20,401	348.66	0	--	175	274.74	0	--
Cedars	1,167	820.35	547	718.31	0	--	9	1,587.64	0	--
Hemlock	24,244	434.89	23,517	431.29	8	372.63	39	753.37	0	--
Spruce	2,273	464.12	1,654	310.80	0	--	511	927.16	72	340.24
Pines	5,271	571.92	4,896	578.74	0	--	0	--	0	--
Redwood	203	1,204.45	203	1,204.45	0	--	0	--	0	--
Other softwoods	3,767	400.52	3,213	417.90	0	--	132	299.74	0	--
All softwoods	80,100	433.78	75,279	417.82	8	372.63	867	699.50	72	340.24
Red alder	6,402	914.37	2,293	924.55	0	--	129	453.80	0	--
All hardwoods	13,176	999.33	7,753	1,047.30	0	--	634	1,047.28	0	--
Tacoma:										
Douglas-fir	20,603	438.08	19,285	437.62	0	--	8	351.39	0	--
Other firs	6,269	534.96	6,220	536.60	0	--	0	--	0	--
Cedars	869	858.91	786	880.45	0	--	25	195.76	0	--
Hemlock	39,144	378.68	38,795	378.42	0	--	19	346.19	0	--
Spruce	777	438.71	777	438.71	0	--	0	--	0	--
Pines	214	601.52	196	627.76	0	--	0	--	0	--
Redwood	1,503	476.76	1,503	476.76	0	--	0	--	0	--
Other softwoods	1,589	416.73	1,268	453.66	0	--	106	299.88	0	--
All softwoods	70,970	419.88	68,831	419.97	0	--	158	291.37	0	--
Red alder	2,469	542.85	514	715.88	0	--	0	--	0	--
All hardwoods	3,348	725.58	1,277	1,091.08	82	489.12	13	618.95	0	--

Table 52--Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, third quarter 1990 (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
Other ports:[a]										
Douglas-fir	29,461	425.36	366	417.73	0	--	0	--	22,935	379.33
Other firs	7,533	270.91	1,011	221.18	0	--	64	468.41	3,623	289.53
Cedars	3,904	438.70	108	694.66	0	--	0	--	3,060	460.78
Hemlock	6,353	382.93	407	356.41	0	--	0	--	5,115	384.82
Spruce	1,843	277.03	52	201.10	0	--	0	--	1,666	285.14
Pines	3,732	384.91	0	--	0	--	0	--	3,732	384.91
Redwood	25	1,220.91	0	--	0	--	0	--	25	1,220.91
Other softwoods	12,574	372.67	1,690	453.53	0	--	0	--	7,474	374.65
All softwoods	65,425	387.95	3,633	378.03	0	--	64	468.41	47,630	375.18
Red alder	200	860.38	21	948.06	0	--	0	--	50	758.41
All hardwoods	3,066	1,125.10	45	789.09	0	--	0	--	2,707	1,162.73
Total:										
Douglas-fir	73,506	435.78	40,505	431.37	0	--	8	351.39	24,075	375.69
Other firs	34,681	366.11	27,632	386.30	0	--	238	326.43	3,623	289.53
Cedars	5,969	578.12	1,471	812.42	0	--	35	569.19	3,060	460.78
Hemlock	70,018	398.59	62,995	398.08	8	372.63	58	620.59	5,115	384.82
Spruce	4,892	389.61	2,483	348.53	0	--	511	927.16	1,737	287.41
Pines	9,217	496.89	5,092	580.63	0	--	0	--	3,732	384.91
Redwood	1,731	572.81	1,706	563.15	0	--	0	--	25	1,220.91
Other softwoods	17,930	382.43	6,170	435.00	0	--	238	299.80	7,474	374.65
All softwoods	217,945	414.89	148,055	418.00	8	372.63	1,089	626.59	48,841	373.43
Red alder	9,070	812.07	2,828	886.78	0	--	129	453.80	50	758.41
All hardwoods	20,005	969.11	9,464	1,043.46	82	489.12	647	1,038.86	2,733	1,156.87

[a] Blaine, Boundary, Frontier, Laurier, Lynden, Metaline Falls, Oroville, Sea-Tac Airport, and Sumas.

Source: U.S. Department of Commerce.

Table 53--Volume and average value of lumber exports by port, species, and destination, Columbia-Snake Customs District, third quarter 1990

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Coos Bay:										
Douglas-fir	43,589	829.63	3,942	423.01	0	--	0	--	0	--
Other firs	784	439.12	118	456.51	0	--	0	--	0	--
Cedars	304	613.62	29	763.07	0	--	0	--	0	--
Hemlock	897	354.19	460	408.93	0	--	0	--	0	--
Spruce	543	200.66	0	--	0	--	0	--	0	--
Pines	21,498	381.72	0	--	0	--	0	--	0	--
Redwood	374	1,218.14	81	1,469.50	0	--	0	--	0	--
Other softwoods	2,996	319.45	207	248.45	0	--	0	--	0	--
All softwoods	70,985	658.43	4,837	434.58	0	--	0	--	0	--
All hardwoods	54	1,840.43	0	--	0	--	0	--	0	--
Longview (Washington):[a]										
Douglas-fir	4,382	964.93	1,528	446.63	0	--	0	--	0	--
Other firs	14	1,772.06	0	--	0	--	0	--	0	--
Hemlock	1,936	327.05	1,936	327.05	0	--	0	--	0	--
Other softwoods	536	194.26	0	--	0	--	0	--	0	--
All softwoods	6,867	726.57	3,464	379.81	0	--	0	--	0	--
Portland:										
Douglas-fir	41,287	494.01	21,459	485.32	0	--	842	174.78	425	495.58
Other firs	5,126	559.37	4,662	592.58	0	--	0	--	32	278.08
Cedars	1,381	626.62	35	1,117.45	0	--	0	--	0	--
Hemlock	20,385	478.78	19,958	481.66	0	--	80	742.51	339	223.67
Spruce	117	411.55	117	411.55	0	--	0	--	0	--
Pines	798	471.67	554	430.03	0	--	0	--	13	469.56
Redwood	584	1,221.02	559	1,223.37	0	--	0	--	0	--
Other softwoods	4,947	528.89	4,269	568.50	0	--	0	--	0	--
All softwoods	74,625	504.43	51,613	508.14	0	--	921	223.87	809	372.61
Red alder	804	803.91	342	714.77	0	--	36	621.12	147	513.71
All hardwoods	2,218	995.85	1,146	1,076.10	0	--	36	621.12	390	581.82
Total:										
Douglas-fir	89,258	681.03	26,930	474.00	0	--	842	174.78	425	495.58
Other firs	5,924	546.22	4,780	589.23	0	--	0	--	32	278.08
Cedars	1,684	624.27	64	956.58	0	--	0	--	0	--
Hemlock	23,218	461.32	22,353	466.78	0	--	80	742.51	339	223.67
Spruce	660	237.90	117	411.55	0	--	0	--	0	--
Pines	22,296	384.94	554	430.03	0	--	0	--	13	469.56
Redwood	958	1,219.89	640	1,254.50	0	--	0	--	0	--
Other softwoods	8,479	433.73	4,476	553.69	0	--	0	--	0	--
All softwoods	152,477	586.13	59,914	494.78	0	--	921	223.87	809	372.61
Red alder	804	803.91	342	714.77	0	--	36	621.12	147	513.71
All hardwoods	2,272	1,016.01	1,146	1,076.10	0	--	36	621.12	390	581.82

[a] Includes a small amount exported from the Port of Vancouver.

Source: U.S. Department of Commerce.

Table 54--Volume and average value of lumber exports by port, species, and destination, San Francisco Customs District, third quarter 1990

(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:										
Redwood	208	1,860.12	0	--	0	--	0	--	0	--
Oakland:										
Douglas-fir	3,110	489.55	155	649.39	0	--	0	--	0	--
Other firs	3,498	467.70	3,074	475.51	0	--	0	--	56	360.31
Cedars	3,610	498.96	3,594	498.64	0	--	0	--	0	--
Hemlock	3,018	727.15	3,018	727.15	0	--	0	--	0	--
Spruce	849	212.45	849	212.45	0	--	0	--	0	--
Pines	647	678.04	48	1,321.73	0	--	0	--	0	--
Redwood	329	904.00	319	910.51	0	--	0	--	0	--
Other softwoods	2,012	348.32	250	615.92	0	--	0	--	0	--
All softwoods	17,073	513.78	11,306	551.62	0	--	0	--	56	360.31
Red alder	12	1,121.17	0	--	0	--	0	--	0	--
All hardwoods	1,564	1,391.00	1,420	1,430.52	0	--	50	1,103.17	79	908.26
San Francisco:										
Douglas-fir	156	957.05	48	1,050.12	0	--	0	--	0	--
Other firs	508	362.05	496	361.73	0	--	0	--	0	--
Cedars	14	633.62	14	633.62	0	--	0	--	0	--
Hemlock	17	555.18	0	--	0	--	0	--	0	--
Spruce	55	213.22	55	213.22	0	--	0	--	0	--
Pines	8	468.52	0	--	0	--	0	--	0	--
Redwood	122	954.10	100	943.82	0	--	0	--	0	--
Other softwoods	69	429.97	11	1,895.17	0	--	0	--	58	153.91
All softwoods	950	540.61	724	504.65	0	--	0	--	58	153.91
All hardwoods	75	1,301.85	38	1,266.90	0	--	0	--	0	--
Stockton:										
Douglas-fir	95	363.00	0	--	0	--	0	--	0	--
Hemlock	64	368.63	0	--	0	--	0	--	0	--
All softwoods	159	365.27	0	--	0	--	0	--	0	--
Total:										
Douglas-fir	3,361	507.61	203	744.13	0	--	0	--	0	--
Other firs	4,006	454.31	3,570	459.69	0	--	0	--	56	360.31
Cedars	3,624	499.48	3,608	499.16	0	--	0	--	0	--
Hemlock	3,100	718.74	3,018	727.15	0	--	0	--	0	--
Spruce	904	212.50	904	212.50	0	--	0	--	0	--
Pines	655	675.47	48	1,321.73	0	--	0	--	0	--
Redwood	660	1,214.81	418	918.44	0	--	0	--	0	--
Other softwoods	2,082	351.04	261	669.92	0	--	0	--	58	153.91
All softwoods	18,390	529.11	12,029	548.79	0	--	0	--	114	254.42
Red alder	12	1,121.17	0	--	0	--	0	--	0	--
All hardwoods	1,639	1,386.94	1,458	1,426.24	0	--	50	1,103.17	79	908.26

Source: U.S. Department of Commerce.

Table 55--Volume and average value of lumber exports by port, species, and destination, Anchorage Customs District, third quarter 1990

(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
Dalton Cache:										
Hemlock	3,753	346.35	962	804.92	0	--	0	--	0	--
Spruce	3,796	899.16	1,522	955.43	0	--	2,143	899.87	0	--
All softwoods	7,548	624.34	2,484	897.16	0	--	2,143	899.87	0	--
Ketchikan:										
Cedars	4,597	194.75	735	373.17	0	--	3,862	160.81	0	--
Hemlock	20,584	415.96	18,370	427.17	0	--	0	--	16	314.52
Spruce	9,972	633.58	9,791	639.19	0	--	0	--	0	--
All softwoods	35,153	448.77	28,896	497.63	0	--	3,862	160.81	16	314.52
Wrangell:										
Hemlock	5,128	259.97	5,128	259.97	0	--	0	--	0	--
Spruce	3,320	280.01	3,320	280.01	0	--	0	--	0	--
All softwoods	8,448	267.85	8,448	267.85	0	--	0	--	0	--
Total:										
Cedars	4,597	194.75	735	373.17	0	--	3,862	160.81	0	--
Hemlock	29,464	379.95	24,460	406.97	0	--	0	--	16	314.52
Spruce	17,088	623.87	14,633	590.59	0	--	2,143	899.87	0	--
All softwoods	51,149	444.80	39,828	473.82	0	--	6,006	424.56	16	314.52

Source: U.S. Department of Commerce.

Table 56--Volume and average value of softwood lumber exports to Canada from the Great Falls Customs District, 1979-90[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
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	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
1990:								
1st quarter	13,222	417.94	5,361	385.38	175	760.00	7,686	432.86
2d quarter	12,856	426.88	5,597	417.01	235	906.38	7,024	418.71
3d quarter	10,524	403.17	5,366	396.94	183	655.74	4,975	400.60
4th quarter								
1990 total								

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

Source: U.S. Department of Commerce.

Table 57--Volume and average value of hardwood lumber exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1979-90

(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				
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	85,722	741.38	22,106	609.47	64	656.25	10,894	983.75
1990:								
1st quarter	19,553	965.07	6,957	568.20	0	--	3,121	1,278.76
2d quarter	19,355	957.53	2,502	944.84	0	--	4,538	1,002.42
3d quarter	20,756	935.87	2,272	1,016.29	0	--	1,639	1,386.82
4th quarter								
1990 total								
				TO JAPAN				
1979	621	1,043.48	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	723.48	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	42,867	791.89	9,203	665.98	25	760.00	8,041	1,053.97
1990:								
1st quarter	10,159	990.65	1,103	824.12	0	--	2,555	1,361.25
2d quarter	9,375	1,000.53	1,253	963.29	0	--	2,867	1,107.78
3d quarter	9,481	1,041.87	1,146	1,075.92	0	--	1,458	1,426.61
4th quarter								
1990 total								
				TO PEOPLE'S REPUBLIC OF CHINA				
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	0	--	8,985	400.67	0	--	0	--
1990:								
1st quarter	56	910.71	4,217	430.64	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	82	487.80	0	--	0	--	0	--
4th quarter								
1990 total								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) 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 58--Volume of lumber exports from British Columbia ports by species and destination, 1979-89

(In thousand board feet)

Year	Total, all species	Douglas-fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
			TO ALL COUNTRIES				
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	12,006,210	NA	NA	NA	NA	NA	2,398
			TO JAPAN				
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	1,668,158	NA	NA	NA	NA	NA	1,028
			TO UNITED STATES[b]				
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	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	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 59--Average value of lumber exports from British Columbia ports by species and destination, 1985-89

(In dollars per thousand board feet)

Year	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	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	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	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	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 60--Volume and average value of plywood exports from Seattle and Columbia-Snake Customs Districts by destination, 1979-90

(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												
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	309,243	208.19	18,092	191.96	68,885	219.42	17,754	191.45	240,358	204.97	338	218.93
1990:												
1st quarter	77,383	212.32	6,372	273.23	17,977	221.56	5,262	288.10	59,406	209.52	1,110	202.70
2d quarter	53,887	222.82	4,886	331.35	19,116	234.25	4,825	321.66	34,771	216.53	61	1,098.36
3d quarter	40,836	230.07	5,088	290.29	14,671	261.13	4,281	311.61	26,165	212.65	807	177.20
4th quarter												
1990 total												
TO JAPAN												
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	17,075	210.01	891	243.55	10,880	204.04	874	242.56	6,195	220.50	17	294.12
1990:												
1st quarter	1,665	246.85	317	223.97	1,237	258.69	88	250.00	428	212.62	229	213.97
2d quarter	3,221	243.09	60	416.67	2,221	242.23	60	416.67	1,000	245.00	0	--
3d quarter	4,291	224.89	40	200.00	4,012	216.35	0	--	279	347.67	40	200.00
4th quarter												
1990 total												
TO WESTERN EUROPE												
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	254,053	206.39	71	408.45	26,593	229.95	43	488.37	227,460	203.64	28	285.71
1990:												
1st quarter	54,595	206.03	880	198.86	8,125	226.34	0	--	46,470	202.47	880	198.86
2d quarter	38,425	222.61	76	289.47	6,015	277.64	76	289.47	32,410	212.40	0	--
3d quarter	28,749	229.92	715	174.83	4,799	333.61	0	--	23,950	209.14	715	174.83
4th quarter												
1990 total												

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

Table 61--Volume and average value of plywood exports from California, 1979-90[a]

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

Year and quarter	All California		Northern California				Southern California			
	All plywood		Softwood, 3/8-inch basis		Hardwood, surface measure		Softwood, 3/8-inch basis		Hardwood, surface measure	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
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	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
1990:										
1st quarter	20,641	148.05	955	274.35	394	200.51	4,421	163.99	14,871	133.82
2d quarter	15,635	187.34	1,229	259.56	388	239.69	7,282	188.82	6,736	169.54
3d quarter	13,344	205.86	711	317.86	112	285.71	7,251	220.66	5,382	165.18
4th quarter										
1990 total										

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

Source: U.S. Department of Commerce.

Table 62--Volume and average value of veneer exports from Seattle and Columbia-Snake Customs Districts by destination, 1979-90

(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												
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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:												
1st quarter	16,431	102.37	37,173	121.08	15,623	101.90	35,856	120.65	808	111.39	1,317	132.88
2d quarter	33,672	98.51	30,690	120.43	32,223	93.35	30,690	120.43	1,449	212.56	0	--
3d quarter	13,706	124.25	23,307	128.03	12,505	116.27	21,907	123.66	1,201	207.33	1,400	196.43
4th quarter												
1990 total												
TO JAPAN												
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	--
1981	978	22.49	821	174.18	0	--	821	174.18	978	22.49	0	--
1982	82,295	23.08	12,700	33.15	1,487	18.83	37	135.14	80,808	23.15	12,663	32.85
1983	105,068	21.58	2,640	68.18	5,311	11.11	2,498	70.86	99,757	22.13	142	21.13
1984	110,954	18.85	1,579	98.16	0	--	1,579	98.16	110,954	18.85	0	--
1985	56,238	28.47	3,242	41.02	268	59.70	949	99.05	55,970	28.34	2,293	17.01
1986	94,390	21.81	10,024	58.36	51,781	14.60	8,001	50.87	42,609	30.58	2,023	87.99
1987	61,161	81.57	24,300	64.53	20,392	27.61	17,151	63.73	40,769	108.56	7,149	66.44
1988	38,585	107.58	81,628	96.87	21,626	77.21	63,065	77.21	16,959	121.29	18,563	55.65
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:												
1st quarter	4,841	150.60	17,320	115.47	4,136	160.54	16,960	114.33	705	93.62	360	169.44
2d quarter	8,205	150.27	17,605	127.07	7,453	145.85	17,605	127.07	752	195.48	0	--
3d quarter	8,497	147.23	12,252	126.10	7,405	140.85	11,834	123.88	1,092	190.48	418	189.00
4th quarter												
1990 total												
TO WESTERN EUROPE												
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	40.81	0	--	7,567	36.08	0	--	31,003	41.93	0	--
1984	30,122	44.05	5,138	23.55	2,790	44.09	0	--	27,332	44.01	5,138	23.55
1985	13,093	42.16	432	87.96	682	21.99	432	87.96	12,411	43.11	0	--
1986	22,313	37.87	1,953	73.73	3,287	34.07	1,953	73.73	19,026	38.47	0	--
1987	10,016	51.42	1,688	9.48	294	105.44	0	--	9,722	49.78	1,688	9.48
1988	6,373	104.19	1,275	83.14	525	116.19	482	93.36	5,848	103.11	793	76.92
1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990:												
1st quarter	0	--	2,230	126.01	0	--	2,230	126.01	0	--	0	--
2d quarter	239	221.76	737	94.98	239	221.76	737	94.98	0	--	0	--
3d quarter	67	283.58	0	--	0	--	0	--	67	283.58	0	--
4th quarter												
1990 total												

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 63--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1985-90

(In thousand board feet, Scribner scale)

Agency	1985	1986	1987	1988	1989		1990				
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Montana:											
USDA Forest Service a	552,665	496,622	502,115	428,062	408,764	166,650	64,926	69,458	141,646		
U.S. Bur. Land Manage. b	7,940	10,259	7,696	6,086	5,843	586	384	489	5,393		
U.S. Bur. Indian Affairs	19,671	22,172	28,480	50,383	70,112	27,016	24,039	22,697	NA		
State of Montana	23,280	26,083	55,614	42,035	43,949	9,177	15,344	2,617	7,976		
Total	603,556	555,136	593,905	526,566	528,668	203,429	104,693	95,261	NA		
Idaho:											
USDA Forest Service a	704,023	649,631	654,748	745,226	798,642	277,486	106,439	249,701	269,909		
U.S. Bur. Land Manage. b	10,990	21,645	16,374	8,058	16,407	396	2,798	3,063	1,744		
U.S. Bur. Indian Affairs	4,994	784	4,214	2,718	7,310	7,310	1,205	0	0		
State of Idaho	127,863	191,842	215,265	441,916	400,344	47,826	58,131	76,830	165,592		
Total	847,870	863,902	890,601	1,197,918	1,222,703	333,018	168,573	329,594	437,245		
All public lands:											
USDA Forest Service a	1,256,688	1,146,253	1,156,863	1,173,288	1,207,406	444,136	171,365	319,159	411,555		
U.S. Bur. Land Manage. b	19,399	31,904	24,070	14,144	22,250	982	3,182	3,552	7,137		
U.S. Bur. Indian Affairs	24,665	22,956	32,694	53,101	77,422	34,326	25,244	22,697	NA		
State of Montana	23,280	26,083	55,614	42,035	43,949	9,177	15,344	2,617	7,976		
State of Idaho	127,863	191,842	215,265	441,916	400,344	47,826	58,131	76,830	165,592		
Total	1,451,895	1,419,038	1,484,506	1,724,484	1,751,371	536,447	273,266	424,855	NA		

NA = not available.

[a] Includes all convertible products.

[b] Does not include cull log sales.

Source: Respective agencies listed.

Table 64--Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1985-90

(In dollars per thousand board feet)

Agency	1985	1986	1987	1988	1989		1990				
					Average	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
Montana:											
USDA Forest Service a	23.30	22.16	35.71	47.40	97.37	99.82	125.52	155.19	104.99		
U.S. Bur. Land Manage. b	16.71	34.67	38.62	55.75	86.44	56.83	61.15	63.06	127.45		
U.S. Bur. Indian Affairs	41.39	63.63	78.91	61.33	90.59	181.63	39.12	31.18	NA		
State of Montana	79.34	64.85	65.09	79.45	154.53	162.89	150.97	165.04	128.87		
Average	25.97	26.05	40.57	51.39	101.10	113.40	109.17	125.44	NA		
Idaho:											
USDA Forest Service a	23.74	33.31	46.26	56.54	82.89	87.27	94.66	106.01	83.06		
U.S. Bur. Land Manage. b	40.25	24.70	33.56	78.10	60.38	36.74	40.06	87.44	143.11		
U.S. Bur. Indian Affairs	55.09	94.71	79.58	31.71	76.29	76.29	150.63	--	--		
State of Idaho	61.31	56.26	68.93	55.40	73.51	124.59	169.92	124.04	85.96		
Average	29.80	38.25	51.66	56.21	79.48	92.33	120.11	110.04	84.40		
All public lands:											
USDA Forest Service a	23.56	28.48	41.68	53.21	87.80	91.97	106.35	116.71	90.61		
U.S. Bur. Land Manage. b	30.07	27.91	35.18	68.48	67.22	48.73	42.61	84.08	131.28		
U.S. Bur. Indian Affairs	44.16	64.70	79.00	59.82	89.24	159.20	44.44	31.18	NA		
State of Montana	79.34	64.85	65.09	79.45	154.53	162.89	150.97	165.04	128.87		
State of Idaho	61.31	56.26	68.93	55.40	73.51	124.59	169.92	124.04	85.96		
Average	28.21	33.48	47.23	54.74	86.01	100.32	115.92	113.49	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 65–Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1979-90[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
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	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
1990:										
1st quarter	128.31	114.31	176.65	161.02	197.75	181.95	192.63	167.70	206.28	155.20
2d quarter	157.30	196.25	200.84	182.30	188.04	188.84	170.95	184.34	162.74	166.19
3d quarter	117.60	178.41	241.18	141.25	149.64	134.17	182.89	151.56	158.25	141.08
4th quarter										
1990 average										

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

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

Table 66–Volume and average value of timber harvested on the National Forests of the Northern Region, 1990

(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.	6.6	45.06	8.2	101.01	31.2	73.26	0.5	5.00	12.3	49.22
2d qtr.	.2	-87.25	1.9	41.41	16.7	83.12	.8	6.36	3.1	61.29
3d qtr.	7.9	15.68	4.2	49.53	59.9	55.04	1.3	8.73	4.0	36.36
4th qtr.										
Total										

Quarter	Flathead		Gallatin		Helena		Kootenai		Lewis and Clark	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	9.4	101.74	1.7	28.28	3.8	36.95	45.6	107.26	.8	33.13
2d qtr.	3.3	49.67	1.0	42.18	3.3	33.23	14.6	77.67	.5	12.33
3d qtr.	26.9	61.60	10.8	27.01	12.4	48.22	71.6	84.83	5.6	29.00
4th qtr.										
Total										

Quarter	Lolo		Nezperce		Panhandle[a]		Northern Idaho		Montana	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	19.8	99.10	15.4	35.63	52.5	87.62	93.5	72.29	108.7	89.75
2d qtr.	21.3	86.35	9.6	46.94	43.6	75.67	66.4	72.76	49.9	71.06
3d qtr.	32.0	80.10	29.4	40.85	92.9	61.10	176.5	54.75	176.5	66.96
4th qtr.										
Total										

Quarter	Northeastern Washington		All Forests	
	Volume	Average value	Volume	Average value
1st qtr.	5.6	120.67	207.8	82.73
2d qtr.	3.5	87.87	119.8	72.49
3d qtr.	5.9	88.42	358.9	61.31
4th qtr.				
Total				

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

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

Table 67--Volume of timber sold on publicly owned or managed lands in California, 1985-90

(In thousand board feet, Scribner scale)

Agency	1985	1986	1987	1988	1989		1990				
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
USDA Forest Service a	1,608,346	1,472,112	1,627,653	2,027,116	1,440,482	483,839	192,206	351,002	738,767		
U.S. Bur. Land Manage. b	16,616	20,398	19,685	12,167	11,907	7,312	2,312	1,043	5,257		
U.S. Bur. Indian Affairs	4,342	81,529	10,036	0	7,185	7,185	1,500	22,171	25,200		
State of California	27,232	31,316	40,300	34,129	36,158	856	15,554	9,189	7,372		
Total	1,656,536	1,605,355	1,697,674	2,073,412	1,495,732	499,192	211,572	383,405	776,596		

[a] Includes all convertible products. 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 68--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1985-90

(In dollars per thousand board feet)

Agency	1985	1986	1987	1988	1989		1990				
					Average	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
USDA Forest Service a b	56.35	71.84	110.02	118.20	154.12	129.75	175.70	211.21	102.20		
U.S. Bur. Land Manage. c	48.16	61.75	106.09	158.09	121.12	149.23	142.53	83.15	125.67		
U.S. Bur. Indian Affairs	89.98	85.13	84.66	--	323.14	323.14	118.20	296.23	253.10		
State of California	131.16	103.69	123.06	145.16	223.02	284.21	288.25	235.22	265.10		
Average	57.58	73.01	110.14	118.88	156.34	133.08	183.20	216.35	108.80		

[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 69--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1979-90[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
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	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
1990:							
1st quarter	149.94	275.69	372.94	163.32	147.27	122.02	194.33
2d quarter	304.64	348.12	407.17	91.20	276.31	129.27	241.61
3d quarter	196.75	171.17	209.23	39.85	169.63	63.56	119.60
4th quarter							
1990 average							

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

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

Table 70--Volume and average value of timber harvested on the National Forests of the Pacific Southwest Region, 1990

(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	26.71	0.1	26.87	8.0	79.97	0.1	48.42	33.1	50.01
2d qtr.	.0	--	.1	45.89	38.9	120.43	.2	81.84	53.1	102.20
3d qtr.	.1	47.85	.1	27.26	72.4	91.75	1.8	16.94	60.8	82.84
4th qtr.										
Total										

Quarter	Lassen		Los Padres		Mendocino		Modoc		Plumas	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	9.8	195.00	.2	24.42	.5	713.07	4.8	196.37	6.3	172.89
2d qtr.	33.4	235.39	.0	--	16.6	149.57	12.7	319.15	70.6	151.43
3d qtr.	46.7	182.06	.8	18.50	16.2	114.64	21.8	257.75	76.2	85.67
4th qtr.										
Total										

Quarter	San Bernardino		Sequoia		Shasta		Sierra		Six Rivers	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	1.0	30.16	3.2	22.29	7.7	123.20	3.1	44.24	7.5	93.60
2d qtr.	.3	35.26	16.2	58.52	39.8	185.41	33.2	146.38	17.0	185.66
3d qtr.	1.6	32.49	13.3	39.26	44.3	196.35	74.7	139.89	32.4	231.10
4th qtr.										
Total										

Quarter	Stanislaus		Tahoe		Trinity		LTBMU[b]		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	28.1	92.49	8.6	128.08	8.1	192.37	1.3	84.58	131.5	105.43
2d qtr.	40.5	53.83	30.8	130.75	42.7	177.72	7.3	109.70	453.4	145.92
3d qtr.	55.5	59.49	48.3	108.17	26.3	195.67	6.3	108.30	599.6	126.45
4th qtr.										
Total										

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

[b] Lake Tahoe Basin Management Unit.

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

Table 71--Monthly stumpage volume and average value of timber sold on National Forest lands in Washington and Oregon, 1988-90

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

Year and month	East side		West side		Region 6	
	Volume	Average value	Volume	Average value	Volume	Average value
1988:						
January	30	155.96	141	163.59	171	162.24
February	97	163.06	132	174.98	229	169.94
March	324	161.51	436	191.22	760	178.54
April	114	139.93	191	189.79	305	171.15
May	135	189.99	266	196.65	401	194.40
June	205	97.11	678	182.27	883	162.46
July	81	109.51	201	177.28	282	157.79
August	104	155.49	175	197.77	279	181.99
September	217	112.33	466	183.78	683	161.09
October	26	239.32	57	215.04	84	222.72
November	80	127.62	154	236.32	234	199.19
December	175	181.00	187	189.09	362	185.18
Total	1,588	145.97	3,084	191.00	4,673	175.73
1989:						
January	71	171.21	150	259.79	221	231.43
February	63	196.77	109	245.11	172	227.39
March	139	176.64	302	263.93	441	236.43
April	80	176.69	62	241.04	142	204.82
May	107	198.33	23	274.95	130	211.84
June	119	200.60	27	319.35	146	222.74
July	51	272.44	106	339.31	157	317.42
August	95	223.33	48	282.07	144	243.05
September	282	156.99	54	278.94	336	176.69
October	24	126.53	31	290.77	55	219.19
November	67	126.56	23	359.33	91	186.70
December	109	218.02	863	417.90	973	395.44
Total	1,208	184.82	1,800	343.55	3,009	279.80
1990:						
January	78	116.05	94	323.84	172	229.65
February	43	231.75	14	305.01	57	250.07
March	113	149.96	140	404.55	253	290.51
April	119	187.95	91	398.35	210	279.61
May	64	183.74	173	365.20	237	315.92
June	102	147.91	201	390.77	303	309.01
July	68	175.34	360	344.58	428	317.47
August	166	138.41	544	303.60	710	265.03
September	571	157.89	1,350	284.08	1,921	246.56
October						
November						
December						
Total						

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

Table 72--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1986-90

(In thousand board feet, Scribner scale)

Agency	1986	1987	1988	1989		1990				
				Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Western Washington:										
USDA Forest Service a	1,136,822	870,743	846,309	313,920	27,302	195,701	55,675	405,537		
U.S. Bur. Land Manage.	4,952	9	0	0	0	0	0	0		
U.S. Bur. Indian Aff.	26,421	43,459	60,138	22,502	4,188	2,745	13,174	10,369		
State of Washington b	731,001	733,225	690,735	739,610	121,410	203,050	195,431	174,724		
Total	1,899,196	1,647,436	1,597,182	1,076,032	152,900	401,496	264,280	590,630		
Eastern Washington:										
USDA Forest Service a	482,848	379,394	435,615	312,430	124,750	69,768	94,999	219,992		
U.S. Bur. Land Manage.	386	0	3,212	0	0	0	0	0		
U.S. Bur. Indian Aff.	92,765	238,327	147,407	134,008	5,946	15,406	69,764	43,642		
State of Washington b	114,790	98,955	117,565	100,590	8,090	18,940	17,355	6,065		
Total	690,789	720,320	703,799	547,028	138,786	104,114	812,118	269,699		
Western Oregon:										
USDA Forest Service a	2,613,915	2,414,761	2,317,248	828,416	201,159	656,729	365,130	840,070		
U.S. Bur. Land Manage.	1,474,511	1,108,209	914,107	703,509	181,211	322,681	285,590	462,728		
U.S. Bur. Indian Aff.	6,158	1,950	14,274	5,700	2,005	0	2,764	3,996		
State of Oregon	190,502	221,429	202,060	199,194	56,724	22,911	38,174	28,054		
Total	4,285,086	3,746,349	3,447,689	1,736,819	441,099	1,002,321	691,658	1,334,848		
Eastern Oregon:										
USDA Forest Service a	1,543,732	1,283,955	1,307,468	973,451	348,755	136,915	225,957	330,824		
U.S. Bur. Land Manage.	9,519	7,027	20,237	15,812	9,004	13,415	0	67		
U.S. Bur. Indian Aff.	73,048	82,418	94,379	92,380	0	0	51,973	18,570		
State of Oregon	8,335	6,179	2,411	2,536	0	0	3,270	0		
Total	1,634,634	1,379,579	1,424,495	1,084,189	357,759	150,330	281,200	349,461		
All public lands:										
USDA Forest Service a	5,777,317	4,948,853	4,906,640	2,428,217	701,966	1,059,113	741,761	1,796,423		
U.S. Bur. Land Manage.	1,489,368	1,118,889	937,556	719,321	190,215	336,096	285,590	462,795		
U.S. Bur. Indian Aff.	198,392	366,154	316,198	254,590	12,139	18,151	137,675	76,577		
State of Washington b	845,791	832,180	808,300	840,200	129,500	221,990	212,786	180,789		
State of Oregon	198,837	227,608	204,471	201,730	56,724	22,911	41,444	28,054		
Total	8,509,705	7,493,684	7,173,165	4,444,058	1,090,544	1,658,261	1,419,256	2,544,638		

[a] Convertible products only.

[b] Excludes sales under $20,000.

Source: Respective agencies listed.

Table 73--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1986-90

(In dollars per thousand board feet)

Agency	1986	1987	1988	1989 Average	1989 3d qtr.	1990 1st qtr.	1990 2d qtr.	1990 3d qtr.	1990 4th qtr.	1990 Average
Western Washington:										
USDA Forest Service a	91.06	114.82	167.15	238.55	102.48	311.53	253.62	245.95		
U.S. Bur. Land Manage.	61.64	44.00	--	--	--	--	--	--		
U.S. Bur. Indian Aff.	67.32	86.23	155.36	175.31	172.38	137.95	222.51	274.60		
State of Washington b	133.44	224.64	270.12	341.53	365.28	329.10	365.99	359.66		
Average	106.96	162.94	211.24	308.01	313.07	319.23	335.17	280.09		
Eastern Washington:										
USDA Forest Service a	33.49	48.69	85.23	100.23	88.64	110.66	127.59	93.56		
U.S. Bur. Land Manage.	41.98	61.48	50.44	--	--	--	--	--		
U.S. Bur. Indian Aff.	128.39	149.60	130.84	256.42	242.55	255.55	277.66	240.03		
State of Washington b	107.87	131.09	178.66	224.82	236.59	289.82	189.24	227.00		
Average	58.60	93.46	110.23	161.40	103.86	164.69	190.95	120.26		
Western Oregon:										
USDA Forest Service a	116.53	140.81	194.75	278.36	308.07	433.27	428.65	340.79		
U.S. Bur. Land Manage.	95.12	118.46	157.59	295.35	318.83	356.48	344.11	251.33		
U.S. Bur. Indian Aff.	161.02	199.17	200.87	307.13	183.36	--	441.21	380.49		
State of Oregon	134.35	183.98	244.76	340.55	341.09	389.02	395.98	305.63		
Average	110.02	136.78	187.85	292.47	316.17	407.54	391.99	309.16		
Eastern Oregon:										
USDA Forest Service a	104.36	138.45	153.51	181.05	196.01	151.75	188.03	141.36		
U.S. Bur. Land Manage.	42.17	192.94	51.08	134.65	170.42	71.91	--	116.40		
U.S. Bur. Indian Aff.	103.48	133.65	177.67	139.94	--	--	163.65	292.20		
State of Oregon	59.88	187.33	158.58	75.71	--	--	269.71	--		
Average	103.73	138.66	153.66	176.63	195.36	144.63	184.47	149.37		
All public lands:										
USDA Forest Service a	101.33	128.56	169.28	211.29	205.40	353.13	303.66	252.38		
U.S. Bur. Land Manage.	94.66	118.74	154.92	291.82	311.80	345.12	344.11	251.31		
U.S. Bur. Indian Aff.	112.10	138.75	152.64	208.12	208.57	237.77	232.62	264.69		
State of Washington b	129.97	213.51	256.82	327.56	357.24	325.75	351.58	355.21		
State of Oregon	131.23	184.07	243.74	337.22	341.09	389.02	386.01	305.63		
Average	103.96	138.71	178.65	251.84	249.08	347.07	314.50	260.45		

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 74--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1979-90[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												
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	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
1990:														
1st quarter	562.26	196.49	294.71	346.99	245.66	33.23	129.29	159.66	291.90	227.46	161.05	594.54	248.74	418.41
2d quarter	545.54	148.84	342.15	372.07	342.40	97.07	150.62	104.58	206.42	394.91	128.10	359.95	171.81	365.07
3d quarter	421.08	129.50	276.52	323.54	247.48	61.71	74.48	146.03	176.32	259.60	144.42	234.15	137.18	300.89
4th quarter														
1990 average														

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

[b] Includes Port-Orford-cedar.

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

Table 75--Volume and average value of timber harvested on the National Forests of the Pacific Northwest Region, 1990

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

Quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	24.2	76.47	44.0	84.90	20.5	203.31	16.4	185.47	66.5	199.86
2d qtr.	27.8	63.06	50.5	154.45	9.1	132.67	83.4	211.53	30.9	124.51
3d qtr.	5.6	76.13	41.6	118.40	37.5	138.45	102.2	184.72	72.0	152.25
4th qtr.										
Total										

	Mount Baker-Snoqualmie		Mount Hood		Ochoco		Okanogan		Olympic	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	6.5	254.62	18.3	267.12	39.7	240.64	6.5	106.50	20.4	210.21
2d qtr.	39.9	209.57	54.0	314.65	14.1	166.05	2.5	83.17	31.7	182.36
3d qtr.	52.9	212.16	83.7	235.30	24.0	166.62	14.2	70.60	30.8	210.49
4th qtr.										
Total										

	Rogue River[a]		Siskiyou[a]		Siuslaw		Umatilla		Umpqua	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	10.6	214.66	11.4	151.56	51.1	280.21	17.4	128.39	27.9	220.45
2d qtr.	40.5	199.57	40.0	328.24	44.9	310.21	8.1	129.98	124.5	247.39
3d qtr.	50.4	196.76	31.8	270.49	30.1	280.36	42.5	98.72	164.6	223.25
4th qtr.										
Total										

	Wallowa-Whitman		Wenatchee		Willamette		Winema		Western Oregon	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	57.5	94.26	22.8	93.57	89.7	295.01	48.9	280.00	209.0	267.13
2d qtr.	30.2	63.91	49.6	88.31	123.4	267.86	32.8	247.43	424.9	272.17
3d qtr.	73.3	52.30	50.6	112.09	139.9	237.12	76.0	38.49	497.2	233.84
4th qtr.										
Total										

	Eastern Oregon		Western Washington		Eastern Washington		Northern California		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	294.4	176.87	43.3	207.48	55.1	86.38	.3	157.30	602.2	202.10
2d qtr.	175.7	149.65	155.1	205.06	86.7	78.59	2.5	150.83	844.9	214.14
3d qtr.	366.9	98.20	185.9	196.79	86.3	88.10	3.2	87.74	1,140.0	172.68
4th qtr.										
Total										

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

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

Table 76--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1990[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	8,660	924.03	0	--	0	--	3,260	50.93	1,310	265.73	17,160	499.35
2d quarter	41,045	467.24	2,920	74.83	0	--	15,210	266.14	6,500	214.73	77,175	343.49
3d quarter	114,525	347.40	15,755	281.46	595	45.96	46,640	140.23	9,225	111.96	220,502	244.55
4th quarter												
Total and average												
Rogue River--												
1st quarter	2,570	465.63	0	--	0	--	0	--	960	566.92	4,450	416.27
2d quarter	10,480	578.84	0	--	2,130	559.77	0	--	4,169	248.59	24,405	422.60
3d quarter	39,510	343.03	0	--	6,065	144.57	0	--	28,050	223.79	114,750	279.00
4th quarter												
Total and average												
Siskiyou--												
1st quarter	7,530	341.60	0	--	0	--	630	59.20	0	--	9,740	289.50
2d quarter	10,772	458.24	0	--	0	--	780	47.79	0	--	14,041	496.27
3d quarter	116,706	472.71	0	--	0	--	2,760	33.78	9,267	125.70	152,338	414.92
4th quarter												
Total and average												
Siuslaw--												
1st quarter	66,867	433.85	0	--	0	--	1,830	257.98	0	--	76,866	390.86
2d quarter	89,751	440.47	0	--	0	--	8,650	255.46	0	--	104,056	406.16
3d quarter	227,708	358.78	0	--	0	--	3,210	124.52	0	--	238,208	346.41
4th quarter												
Total and average												
Umpqua--												
1st quarter	28,299	568.39	0	--	0	--	2,800	82.54	2,100	128.46	44,550	409.88
2d quarter	57,767	527.89	0	--	1,400	207.62	1,600	37.82	3,100	77.50	80,184	422.95
3d quarter	168,961	429.85	0	--	2,400	295.86	11,980	50.45	4,920	57.19	247,331	337.54
4th quarter												
Total and average												
Willamette--												
1st quarter	23,801	479.81	0	--	0	--	1,107	144.81	0	--	28,348	421.29
2d quarter	56,713	593.68	0	--	0	--	12,850	97.57	1,100	112.45	85,780	433.94
3d quarter	402,570	427.51	0	--	400	319.52	62,160	150.96	11,055	247.13	603,745	326.69
4th quarter												
Total and average												
All western Oregon:												
1st quarter	137,727	495.81	0	--	0	--	9,627	110.82	4,370	265.93	181,114	405.75
2d quarter	266,528	502.30	2,920	74.83	3,530	420.11	39,090	194.66	14,869	188.05	385,641	407.61
3d quarter	1,069,980	406.49	15,755	281.46	9,460	184.15	126,750	134.29	62,517	183.76	1,576,874	324.94
4th quarter												
Total and average												
Western Washington:												
Gifford Pinchot--												
1st quarter	25,420	369.08	0	--	0	--	3,060	171.62	10,770	228.91	48,780	263.72
2d quarter	25,160	285.09	0	--	0	--	2,350	214.47	0	--	31,330	248.81
3d quarter	243,121	317.36	0	--	0	--	73,645	189.40	53,760	208.48	421,120	249.05
4th quarter												
Total and average												
Mount Baker-Snoqualmie--												
1st quarter	500	314.20	0	--	0	--	2,900	379.00	0	--	3,900	345.51
2d quarter	5,347	382.71	0	--	0	--	3,810	192.27	4,030	271.08	19,910	217.16
3d quarter	48,625	337.91	0	--	0	--	51,885	164.27	11,720	133.73	140,085	221.75
4th quarter												
Total and average												
Olympic--												
1st quarter	1,448	278.04	0	--	0	--	5,675	262.16	5,345	305.86	14,310	255.00
2d quarter	13,980	369.62	0	--	0	--	11,360	305.25	170	56.25	28,390	309.03
3d quarter	34,345	336.09	0	--	0	--	53,075	181.30	15,015	148.61	115,665	210.08
4th quarter												
Total and average												

Table 76--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1990[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	27,368	363.26	0	--	0	--	11,635	267.47	16,115	254.43	66,990	266.62
2d quarter	44,487	323.38	0	--	0	--	17,520	268.51	4,200	262.38	79,630	262.36
3d quarter	326,091	322.39	0	--	0	--	178,605	179.69	80,495	186.43	676,870	236.74
4th quarter												
Total and average												
All western Oregon and western Washington:												
1st quarter	165,095	473.83	0	--	0	--	21,262	196.54	20,485	256.89	248,104	368.19
2d quarter	311,015	476.71	2,920	74.83	3,530	420.11	56,610	217.52	19,069	204.42	465,271	382.75
3d quarter	1,396,071	386.85	15,755	281.46	9,460	184.15	305,355	160.85	143,012	185.27	2,253,744	298.45
4th quarter												
Total and average												
Eastern Oregon:												
Deschutes--												
1st quarter	0	--	0	--	5,900	236.21	0	--	180	60.30	18,360	97.25
2d quarter	0	--	0	--	4,559	300.26	0	--	1,640	32.14	9,220	165.76
3d quarter	0	--	2,120	316.01	50,178	311.45	0	--	2,175	24.87	92,592	205.10
4th quarter												
Total and average												
Fremont--												
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	35,700	230.93	0	--	4,600	7.33	45,750	187.17
3d quarter	0	--	0	--	59,565	254.31	0	--	13,005	99.88	83,030	201.88
4th quarter												
Total and average												
Malheur--												
1st quarter	0	--	8,871	58.69	32,001	334.44	0	--	8,614	31.98	53,526	215.63
2d quarter	0	--	10,745	82.60	34,171	395.06	0	--	12,383	158.31	63,264	259.13
3d quarter	0	--	10,150	44.99	51,578	339.47	0	--	18,938	65.82	87,153	220.34
4th quarter												
Total and average												
Ochoco--												
1st quarter	0	--	4,100	35.53	17,300	464.58	0	--	8,700	210.19	30,100	312.68
2d quarter	0	--	400	50.76	3,900	373.09	0	--	0	--	4,300	343.11
3d quarter	0	--	8,100	39.35	48,550	380.57	0	--	24,540	95.45	81,190	263.06
4th quarter												
Total and average												
Umatilla--												
1st quarter	0	--	0	--	0	--	0	--	8,790	138.68	14,740	88.05
2d quarter	0	--	13,200	244.69	6,300	262.60	0	--	14,200	53.64	39,400	143.91
3d quarter	0	--	20,920	98.40	19,000	249.99	0	--	21,935	84.82	74,485	121.17
4th quarter												
Total and average												
Wallowa-Whitman--												
1st quarter	0	--	11,110	66.03	400	69.26	0	--	2,200	62.56	19,200	78.33
2d quarter	0	--	5,604	99.43	238	112.85	0	--	2,631	131.32	8,573	108.45
3d quarter	0	--	21,770	54.87	18,220	181.37	0	--	27,910	45.97	88,645	74.33
4th quarter												
Total and average												
Winema--												
1st quarter	0	--	0	--	6,100	226.00	0	--	0	--	25,300	67.77
2d quarter	0	--	2,300	430.00	2,850	329.78	0	--	3,160	254.34	38,840	112.78
3d quarter	0	--	4,300	60.96	28,410	287.27	0	--	39,400	172.43	85,395	184.78
4th quarter												
Total and average												
All eastern Oregon:												
1st quarter	0	--	24,071	58.13	61,701	349.10	0	--	28,484	121.88	161,226	169.05
2d quarter	0	--	32,249	176.25	87,718	309.96	0	--	38,614	102.50	209,347	186.01
3d quarter	0	--	67,360	73.64	275,501	301.19	0	--	147,903	100.60	592,490	181.79
4th quarter												
Total and average												

Table 76--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1990[a] [b] (continued)

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

National Forest	Douglas-fir: West side Volume	Douglas-fir: West side Value	Douglas-fir: East side Volume	Douglas-fir: East side Value	Ponderosa and Jeffrey pines Volume	Ponderosa and Jeffrey pines Value	Western hemlock Volume	Western hemlock Value	True firs[c] Volume	True firs[c] Value	All species Volume	All species Value
Eastern Washington:												
Colville--												
1st quarter	0	--	18,530	89.19	2,550	87.56	1,300	126.00	6,205	30.36	53,360	88.84
2d quarter	0	--	8,895	151.28	0	--	0	--	7,085	123.66	24,770	109.24
3d quarter	0	--	11,140	103.47	1,200	62.48	0	--	4,280	41.28	37,795	87.54
4th quarter												
Total and average												
Okanogan--												
1st quarter	0	--	5,860	208.80	420	187.25	0	--	0	--	7,751	172.22
2d quarter	0	--	5,078	115.63	2,092	205.45	0	--	0	--	17,910	144.97
3d quarter	0	--	16,998	77.58	2,497	106.63	0	--	0	--	43,376	82.50
4th quarter												
Total and average												
Wenatchee--												
1st quarter	0	--	5,575	329.95	1,845	257.42	0	--	3,555	64.99	12,014	217.30
2d quarter	0	--	14,724	245.05	2,400	209.13	4,900	24.15	6,400	86.02	32,921	150.74
3d quarter	0	--	59,901	92.90	15,320	144.60	4,850	100.50	27,185	92.98	131,916	80.09
4th quarter												
Total and average												
All eastern Washington:												
1st quarter	0	--	29,965	157.37	4,815	161.34	1,300	126.00	9,760	42.97	73,125	118.79
2d quarter	0	--	28,697	193.08	4,492	207.42	4,900	24.15	13,485	105.79	75,601	135.78
3d quarter	0	--	88,039	91.28	19,017	134.43	4,850	100.50	31,465	85.95	213,087	81.90
4th quarter												
Total and average												
All eastern Oregon and eastern Washington:												
1st quarter	0	--	54,036	113.16	66,516	335.51	1,300	126.00	38,244	101.74	234,351	153.37
2d quarter	0	--	60,946	184.18	92,210	304.96	4,900	24.15	52,099	103.35	284,948	172.68
3d quarter	0	--	155,399	83.63	294,518	290.42	4,850	100.50	179,368	98.03	805,577	155.36
4th quarter												
Total and average												
Pacific Northwest Region:												
1st quarter	165,095	473.83	54,036	113.16	66,516	335.51	22,562	192.48	58,729	155.86	482,455	263.84
2d quarter	311,015	476.71	63,866	179.18	95,740	309.21	61,510	202.11	71,168	130.43	750,219	302.96
3d quarter	1,396,071	386.85	171,154	101.84	303,978	287.11	310,205	159.90	322,380	136.73	3,059,321	260.77
4th quarter												
Total and average												
All of Oregon:												
1st quarter	137,727	495.81	24,071	58.13	61,701	349.10	9,627	110.82	32,854	141.04	342,340	294.28
2d quarter	266,528	502.30	35,169	167.83	91,248	314.22	39,090	194.66	53,483	126.28	594,988	329.64
3d quarter	1,069,980	406.49	83,115	113.03	284,961	297.30	126,750	134.29	210,420	125.31	2,169,364	285.84
4th quarter												
Total and average												
All of Washington:												
1st quarter	27,368	363.26	29,965	157.37	4,815	161.34	12,935	253.25	25,875	174.67	140,115	189.47
2d quarter	44,487	323.38	28,697	193.08	4,492	207.42	22,420	215.10	17,685	142.98	155,231	200.71
3d quarter	326,091	322.39	88,039	91.28	19,017	134.43	183,455	177.60	111,960	158.19	889,957	199.67
4th quarter												
Total and average												

[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 77--Volume of timber sold on publicly owned or managed lands in Alaska, 1985-90

(In thousand board feet, Scribner scale)

Agency	1985	1986	1987	1988	1989		1990				
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
USDA Forest Service a	51,110	255,598	137,587	20,188	168,050	112,327	3,642	133,402	6,278		
U.S. Bur. Land Manage. b	66	322	0	0	21	0	0	0	0		
U.S. Bur. Indian Affairs	871	0	15,300	0	65	65	11,700	0	0		
State of Alaska	20,178	13,111	27,219	25,492	18,764	8,399	2,241	R21,568	855		
Total	72,225	269,031	180,106	45,680	186,900	120,791	17,583	R154,588	7,133		

R = revised.

[a] Includes all convertible products.

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

Source: Respective agencies listed.

Table 78--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1985-90

(In thousand board feet, Scribner scale)

Agency	1985	1986	1987	1988	1989 Average	1989 3d qtr.	1990 1st qtr.	1990 2d qtr.	1990 3d qtr.	1990 4th qtr.	1990 Average
USDA Forest Service a	6.97	9.12	26.79	73.61	121.59	112.74	236.53	35.42	28.32		
U.S. Bur. Land Manage. b	9.47	39.79	--	--	64.48	--	--	--	--		
U.S. Bur. Indian Affairs	46.93	--	64.59	--	16.20	16.20	341.88	--	--		
State of Alaska	15.53	13.88	10.76	28.87	30.35	33.19	23.83	R33.73	9.96		
Average	9.85	9.39	27.58	48.64	112.39	107.16	279.53	R35.18	26.12		

R = revised.

[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 79--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1979-90[a]

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedars	Other softwoods	All species
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	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	201.35	84.86	290.31	46.55	156.68
1990:					
1st quarter	279.38	60.77	501.58	--	253.98
2d quarter	144.54	138.89	--	--	144.52
3d quarter	337.57	79.44	331.29	--	193.53
4th quarter					
1990 average					

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

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

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

Table 80--Volume and average value of all species of all timber products sold from the USDA Forest Service Regions of the Western United States, 1979-90[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
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	8.68	444.7	86.38	342.0	16.05	1,886.6	148.14	1,678.6	129.01	3,616.1	246.29	151.9	43.37
1982	1,004.8	33.22	338.7	5.72	358.0	23.32	342.6	11.52	1,674.1	52.23	1,471.3	48.59	3,485.7	82.95	73.9	31.42
1983	1,055.3	45.93	330.0	13.64	355.2	35.74	395.4	20.89	1,782.4	70.75	1,625.8	68.28	3,333.5	110.12	82.4	14.68
1984	865.9	33.16	455.8	12.27	409.4	35.03	381.2	16.69	1,473.1	61.21	1,629.4	64.18	3,278.2	86.00	60.2	17.65
1985	948.4	26.07	443.7	8.64	293.0	21.64	428.7	15.12	1,602.7	56.37	1,442.0	70.54	2,826.3	77.08	51.1	6.98
1986	926.8	28.23	334.0	19.68	483.9	26.36	447.7	23.74	1,456.9	72.30	2,020.7	87.64	3,761.9	108.49	255.6	9.12
1987	942.0	41.20	427.5	20.79	420.3	52.67	367.7	36.19	1,617.2	110.47	1,637.0	119.09	3,284.7	133.99	137.6	26.79
1988	918.9	47.23	409.3	33.43	443.1	49.93	386.8	57.68	2,012.0	118.35	1,734.9	136.85	3,172.4	187.27	20.2	73.57
1989:																
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	61.6	79.41
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
1990:																
1st qtr.	106.3	117.74	83.1	55.25	117.2	81.20	68.1	84.73	192.2	175.70	206.7	137.90	852.4	405.32	3.6	236.53
2d qtr.	225.6	132.78	129.6	54.60	49.1	84.85	113.8	71.03	351.0	211.21	320.8	170.21	420.8	405.49	.6	89.96
3d qtr.	292.9	104.88	99.3	36.91	79.7	37.66	164.4	57.02	729.8	101.33	548.1	122.18	1,245.6	309.91	6.3	28.32
4th qtr.																
Total or average																

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

[b] Does not include long-term timber contracts.

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

Table 81--Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1979-90[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
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	249.1	14.91
1985	991.9	36.70	372.2	13.47	426.7	45.80	438.2	17.47	1,815.5	72.82	1,776.6	86.39	2,983.9	87.28	265.6	-10.47
1986	1,016.1	37.73	452.6	12.91	502.6	46.32	476.9	17.43	1,952.3	82.15	1,948.9	92.84	3,306.1	99.15	272.2	3.29
1987	1,132.1	42.05	433.4	14.92	486.6	56.42	446.2	25.51	1,960.3	102.57	1,970.2	106.03	3,470.6	118.58	352.2	-8.87
1988	920.7	46.49	419.6	17.79	522.7	61.98	449.3	32.28	2,160.6	104.53	1,727.4	121.18	3,778.8	166.32	408.9	4.86
1989:																
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
1990:																
1st qtr.	207.8	82.73	85.9	36.21	51.3	39.67	60.5	65.69	131.5	105.43	349.5	162.60	252.6	256.75	87.9	55.38
2d qtr.	119.8	72.49	40.6	42.02	87.4	54.42	62.0	62.72	453.4	145.92	262.4	126.17	582.5	253.77	133.0	35.42
3d qtr.	358.9	61.31	123.0	25.71	102.5	35.38	144.1	50.65	599.6	126.45	453.2	96.28	683.1	223.76	135.7	26.04
4th qtr.																
Total or average																

Note: Negative stumpage value caused by emergency rate redeterminations.

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

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

Table 82--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, 1985-89[a]

(Volume in thousand cubic meters; value in Canadian dollars per cubic meter[b] [c])

	Coast[d]		Interior[e]			Coast[d]		Interior[e]	
Species and year	Volume	Average value	Volume	Average value	Species and year	Volume	Average value	Volume	Average value
Balsam:					Lodgepole pine:				
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
1989	2,950	7.56	5,071	6.43	1989	11	2.97	15,343	5.11
Cedar:					Spruce:				
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
1989	3,792	9.57	1,180	4.34	1989	690	10.66	11,757	7.74
Cypress:					White pine:				
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
1989	547	11.86	5	1.91	1989	24	9.66	163	7.62
Fir:					Other species:				
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
1989	1,720	6.14	2,843	7.05	1989	45	1.20	251	1.49
Hemlock:					All species:				
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
1989	6,807	8.31	2,952	2.25	1989	16,586	8.43	39,927	5.95
Larch:									
1985	0	--	296	1.32					
1986	0	--	318	1.45					
1987	0	--	261	1.62					
1988	0	--	325	3.86					
1989	0	--	382	5.90					

[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, between 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 83--Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1980-90[a]

(In million board feet, Scribner log rule)

Year	California	Montana	Idaho[b]		Oregon[c]	Washington[c]
			Northern	Southern		
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	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	5,289.5	1,783.3
1990	2,214.5	630.6	1,126.9	513.7	4,114.5	1,339.9

[a] As of June 30 unless otherwise noted.

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

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

[d] As of September 30.

[e] As of December 31.

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

Table 84--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 85--Sale quantity and uncut volume under contract on Bureau of Land Management lands in Oregon, 1980-90

(In million board feet, Scribner log scale)

Year	Sale quantity	Uncut volume under contract	Ratio
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
1990	1,193	1,013	.8

Source: Bureau of Land Management.

Table 86--Allowable annual cut and uncut volume under contract on Oregon State lands, 1979-89[a]

(In million board feet, Scribner log rule)

Year	Allowable cut	Uncut volume under contract	Ratio
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
1989	193	286	1.5

[a] As of December 31.

Source: State of Oregon, Department of Forestry.

Table 87--Sustainable harvest and uncut volume under contract on Washington State lands, 1980-90[a]

(In million board feet, Scribner log rule)

Year	Sustainable harvest	Uncut volume under contract	Ratio
1980	757	1,893	2.5
1981	757	1,906	2.5
1982	757	2,101	2.8
1983	777	1,824	2.3
1984	777	1,395	1.8
1985	777	1,165	1.5
1986	778	1,013	1.3
1987	778	853	1.1
1988	778	796	1.0
1989	778	851	1.1
1990	857	831	1.0

[a] As of June 30.

Source: State of Washington, Department of Natural Resources.

Table 88--Small business set-aside sales and total sales on National Forests, Pacific Northwest Region, 1986-90

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
1986	3	41	8	33	4	38	9	78	4	43
1987	7	43	7	36	10	35	13	82	14	52
1988	2	31	7	47	5	30	14	94	12	51
1989	6	35	0	22	4	33	9	61	5	50
1990:										
1st qtr.	8	12	1	8	0	0	1	9	0	18
2d qtr.	1	7	3	13	1	7	2	8	2	12
3d qtr.	5	11	4	25	5	22	12	74	0	20
4th qtr.										
1990 total										

Year and quarter	Mount Baker-Snoqualmie		Mount Hood		Ochoco		Okanogan		Olympic	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
1986	22	71	6	65	10	29	2	17	9	75
1987	23	63	5	55	12	19	4	13	5	68
1988	24	72	15	77	12	26	0	23	8	57
1989	25	50	14	54	8	16	1	17	4	32
1990:										
1st qtr.	1	1	1	11	0	5	0	2	3	7
2d qtr.	5	21	14	32	1	1	0	3	0	12
3d qtr.	17	58	5	52	10	16	0	12	1	30
4th qtr.										
1990 total										

Year and quarter	Rogue River		Siskiyou		Siuslaw		Umatilla		Umpqua	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
1986	19	45	6	50	31	81	1	18	16	160
1987	28	61	5	33	25	75	1	22	39	153
1988	27	51	4	44	9	81	3	24	23	141
1989	23	35	3	23	9	56	1	30	25	115
1990:										
1st qtr.	3	3	1	3	4	22	0	4	6	16
2d qtr.	4	14	2	8	1	16	0	5	8	34
3d qtr.	19	33	4	36	2	40	1	18	11	66
4th qtr.										
1990 total										

Year and quarter	Wallowa-Whitman		Wenatchee		Willamette		Winema		All Forests	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
1986	9	59	5	36	50	159	7	34	221	1,132
1987	10	34	5	33	56	139	7	39	276	1,055
1988	9	53	7	44	44	142	7	34	232	1,122
1989	6	41	10	48	25	127	8	30	186	875
1990:										
1st qtr.	0	4	0	6	9	14	1	2	39	146
2d qtr.	0	5	0	12	28	48	1	6	73	264
3d qtr.	1	23	0	40	47	141	10	18	154	735
4th qtr.										
1990 total										

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

Table 89--Volume and average value of timber sold on set-aside sales on National Forests, Pacific Northwest Region, 1986-90

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

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1986	1,022	17.78	48,504	105.74	27,800	121.92	7,180	89.42	459	160.41
1987	5,378	57.34	26,341	97.46	70,740	156.37	6,635	146.88	2,725	255.82
1988	1,620	107.41	1,673	100.32	30,530	134.57	7,280	124.34	4,195	165.04
1989	1,648	150.00	0	--	25,150	253.31	2,505	189.63	1,070	150.33
1990:										
1st qtr.	47,300	85.72	290	257.66	0	--	380	303.52	0	--
2d qtr.	310	107.24	1,470	326.26	14,300	174.55	530	387.67	780	347.25
3d qtr.	22,605	84.56	1,845	276.83	22,810	244.21	4,640	251.22	0	--
4th qtr.										
1990 total										

Year and quarter	Mount Baker-Snoqualmie		Mount Hood		Ochoco		Okanogan		Olympic	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1986	63,950	47.89	3,175	64.41	74,950	169.67	18,100	21.69	9,173	67.06
1987	35,050	101.96	1,100	144.68	74,290	232.53	7,750	27.38	5,300	115.16
1988	65,895	198.90	6,980	173.58	63,102	238.34	0	--	4,133	140.96
1989	64,005	281.85	4,536	153.31	58,900	266.91	350	38.73	1,685	202.59
1990:										
1st qtr.	3,900	345.41	70	291.06	0	--	0	--	640	249.81
2d qtr.	1,090	128.49	1,115	376.61	4,300	343.11	0	--	0	--
3d qtr.	52,810	198.64	1,716	265.29	47,090	212.14	0	--	135	186.33
4th qtr.										
1990 total										

Year and quarter	Rogue River		Siskiyou		Siuslaw		Umatilla		Umpqua	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1986	94,400	108.69	3,270	132.97	126,810	108.16	10,700	14.66	3,010	106.99
1987	76,620	139.12	4,920	366.86	79,052	103.35	125	58.65	5,775	136.35
1988	101,295	191.14	883	114.66	2,283	192.14	3,400	14.60	6,130	160.86
1989	67,905	260.39	710	443.82	1,972	310.35	670	10.45	3,181	294.24
1990:										
1st qtr.	4,450	416.27	870	269.75	990	312.12	0	--	739	455.79
2d qtr.	1,040	379.24	1,055	204.26	21	226.14	0	--	1,450	350.64
3d qtr.	46,480	279.69	283	340.64	390	190.92	1	20.81	3,116	272.20
4th qtr.										
1990 total										

Year and quarter	Wallowa-Whitman		Wenatchee		Willamette		Winema		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1986	5,390	68.57	21,648	37.97	105,894	115.49	56,620	136.37	682,055	105.97
1987	41,050	37.05	16,750	62.69	191,287	134.64	50,390	208.58	701,233	139.33
1988	4,349	32.07	11,820	127.03	113,845	214.35	58,750	193.62	488,163	193.26
1989	6,554	180.25	24,251	128.95	10,201	284.33	40,010	169.52	315,303	239.80
1990:										
1st qtr.	0	--	0	--	1,188	202.89	2,000	146.26	62,817	145.40
2d qtr.	0	--	0	--	4,670	369.65	3,130	273.78	35,261	261.67
3d qtr.	1	118.00	0	--	16,155	249.10	48,785	177.43	270,940	210.40
4th qtr.										
1990 total										

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

☆ U.S. GOVERNMENT PRINTING OFFICE: 1991-591-001/40027

Warren, Debra D. 1990. Production, prices, employment, and trade in Northwest forest industries, third quarter 1990. Resour. Bull. PNW-RB-182. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 99 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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