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Production, Prices, Employment, and Trade in Northwest Forest Industries, Third Quarter 1991

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ABSTRACT

Warren, Debra D. 1992. Production, prices, employment, and trade in Northwest forest industries, third quarter 1991. Resour. Bull. PNW-RB-190. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 112 p.

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

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

PREFACE

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

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

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

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

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

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Table 1--Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1981-91

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
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	21,334	8,978	1,942	10,414	27,770
1991:					
January	1,605	689	155	761	2,117
February	1,552	673	139	740	1,716
March	1,665	741	139	785	1,947
Total, 1st quarter	4,822	2,103	433	2,286	5,780
April	1,814	803	162	849	1,949
May	1,711	737	148	826	2,105
June	1,695	700	153	842	2,094
Total, 2d quarter	5,220	2,240	463	2,517	6,148
July	1,663	673	142	848	2,171
August	1,756	707	135	914	2,175
September	1,682	678	128	876	2,079
Total, 3d quarter	5,101	2,058	405	2,638	6,425
October					
November					
December					
Total, 4th quarter					
1991 total					
	----- 3d quarter 1991 change, in percent -----				
From:					
2d quarter 1991	-2.3	-8.1	-12.5	4.8	4.5
3d quarter 1990	.2	-3.0	-16.8	6.2	-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, 1980-90

(In million board feet)

Year	Washington	Oregon	California ^a	Montana	Idaho
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
1990	3,919	7,511	4,981	1,459	2,034

^a Includes 1 mill in Nevada.

Source: Western Wood Products Association, Portland, Oregon.

Table 3--Softwood lumber production in the inland region, by species, 1980-90^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
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
1990	10,452	3,521	77	307	2,455	2,351	418	756	567

^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, 1980-90^a

(In million board feet)

Year	All species	Douglas-fir	Hem-fir ^b	Western redcedar	Incense-cedar	Pine	Other softwoods	Hardwoods
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
1990	8,751	5,794	1,655	518	58	351	44	331

^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, 1980-90^a

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

Year	Total	Oregon	Washington	California	Montana, Idaho, and Colorado	Southern States ^b	Northern States ^c
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	26,940.3	6,774.9	1,462.2	94.2	1,550.7	13,740.0	2,868.3
1990	26,337.2	5,962.1	1,255.4	62.0	1,539.9	14,501.0	3,016.8

^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, 1980-90

Year	Softwood lumber production			Softwood plywood production
	Total	Coast	Interior	
	----- Million board feet -----			Million ft ² , 3/8-inch basis
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
1990	14,186	3,787	10,399	1,853

Source: Dominion Bureau of Statistics, Ottawa, Canada.

Table 7--Wholesale prices of selected lumber products, 1980-91

(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
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	241.74	286.34	539.34	224.60	186.25
1991:					
January	223.33	321.67	571.67	209.67	163.00
February	228.25	307.50	582.50	212.75	158.00
March	231.20	308.00	551.00	218.40	172.40
Average, 1st quarter	227.59	312.39	568.39	213.61	164.47
April	227.50	340.00	538.75	222.25	182.00
May	245.75	337.50	577.00	243.75	198.00
June	291.25	381.25	650.00	285.00	237.00
Average, 2d quarter	254.83	352.92	588.58	250.33	205.67
July	273.75	362.50	725.00	261.25	210.50
August	258.20	292.00	750.00	231.00	186.20
September	262.75	310.00	750.00	230.00	184.00
Average, 3d quarter	264.90	321.50	741.67	240.75	193.57
October					
November					
December					
Average, 4th quarter					
1991 average					
----- 3d quarter 1991 change, in percent -----					
From:					
2d quarter 1991	4.0	-8.9	26.0	-3.8	-5.9
3d quarter 1990	10.7	24.1	49.1	10.9	0.0

Source: Random Lengths Publications, Inc.

Table 8--Wholesale prices of selected softwood plywood products, 1980-91

(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
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	171.37	154.75	258.21
1991:			
January	143.67	121.00	243.00
February	140.00	120.25	240.00
March	144.00	130.20	244.20
Average, 1st quarter	142.56	123.82	242.40
April	152.00	135.75	248.25
May	183.50	155.00	262.25
June	227.25	185.25	271.50
Average, 2d quarter	187.58	158.67	260.67
July	203.75	170.50	258.00
August	174.60	156.60	228.60
September	181.25	170.50	226.25
Average, 3d quarter	186.53	165.87	237.62
October			
November			
December			
Average, 4th quarter			
1991 average			
----- 3d quarter 1991 change, in percent -----			
From:			
2d quarter 1991	-6	4.5	-8.8
3d quarter 1990	12.2	15.5	-5.6

^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, 1980-91^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	
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	1.0	1,236	1.5	521	16.1	305	22.5	310	47.9	232	6.5	156	4.5	102	3,038,613
1991:															
1st quarter	.6	1,670	1.3	551	16.2	301	20.0	269	50.1	213	7.3	143	4.5	97	601,476
2d quarter	.8	962	1.4	490	16.9	320	22.7	343	47.0	243	6.9	171	4.3	110	764,003
3d quarter	.4	1,106	1.0	562	12.9	326	25.4	319	48.7	232	7.1	164	4.5	103	699,727
4th quarter															
1991 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, 1980-91^a

(In thousand board feet)

Year	4/4 selects and 1 shop					5/4 and thicker moulding and shops					4/4 commons and 8/4 std. & btr.				Low value		Total volume, all grades
	C and btr. 6-12 in.	D 12 in.	C and btr. 4 in. D 6-10 in.	D 4 in.	1 shop	Mldg. and btr.	1 shop	2 shop	3 shop	Shopout	2 com. 12 in.	2 com. 4-10 in.	3 com. 6-12 in. 8/4 dim.	3 com. 4 in. 4 com. 4-12 in.	No. 3 and util.	5 com. and econ.	
1980	1.0	.4	.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	.3	.8	1.1	3.3	5.9	3.1	14.8	13.4	4.7	3.9	8.7	25.7	10.0	1.5	1.8	1,474,420
1982	1.1	.3	.7	.9	3.1	5.8	3.2	15.7	13.5	5.1	4.2	8.0	26.9	8.8	1.3	1.6	1,488,103
1983	1.0	.3	.7	.9	2.8	5.8	3.3	17.2	15.6	5.3	3.9	7.8	25.4	7.1	1.2	1.5	1,876,743
1984	1.0	.3	.6	.9	2.7	5.3	3.5	17.6	15.4	4.2	4.1	7.2	26.8	7.1	1.6	1.7	1,970,046
1985	.9	.3	.6	.9	2.7	5.1	3.4	18.2	16.2	4.1	3.8	7.2	26.7	7.0	1.4	1.4	2,018,896
1986	1.0	.3	.6	.8	2.8	4.9	3.3	17.9	16.6	4.5	4.3	6.7	27.6	6.1	1.4	1.3	2,164,591
1987	.9	.2	.4	.7	2.4	5.7	3.1	17.9	17.5	4.7	4.0	6.0	28.1	5.3	1.6	1.4	2,331,497
1988	.8	.2	.4	.7	2.7	5.8	2.7	17.2	18.0	5.4	3.9	5.5	28.4	5.2	1.7	1.5	2,252,696
1989	.6	.2	.3	.7	2.2	5.6	2.9	17.8	19.9	6.7	3.8	5.8	25.9	5.0	1.2	1.4	2,204,308
1990	.6	.1	.3	.6	2.0	5.3	2.7	17.8	21.3	7.0	3.7	5.4	25.0	5.2	1.1	1.7	2,045,830
1991:																	
1st quarter	.8	.1	.4	.7	2.0	5.8	2.8	17.8	20.9	7.1	4.4	5.9	24.2	5.3	1.2	.6	426,905
2d quarter	.8	.1	.4	.7	2.3	5.7	2.6	16.8	20.9	7.8	4.0	6.6	22.4	5.5	1.0	2.4	503,774
3d quarter	.6	.1	.3	.6	2.1	5.6	2.8	17.8	24.1	7.0	3.2	5.6	22.5	4.2	1.7	1.8	446,232
4th quarter																	
1991 total																	

^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, 1980-91

(In dollars per thousand board feet)

Year	4/4 selects and 1 shop					5/4 and thicker moulding and shops					4/4 commons and 8/4 std. & btr.				Low value	
	C and btr. 6-12 in.	D 12 in.	C and 4 in. D 6-10 in.	D 4 in.	1 shop	Mldg. and btr.	1 shop	2 shop	3 shop	Shopout	2 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.
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	1,478	1,453	996	683	435	1,051	677	542	414	247	534	356	248	187	145	99
1991:																
1st quarter	1,407	1,318	960	627	353	933	706	565	438	235	520	375	255	170	130	93
2d quarter	1,291	1,253	896	608	352	1,102	693	562	428	245	539	363	273	170	150	94
3d quarter	1,295	1,224	877	685	478	1,148	856	720	570	276	507	363	276	207	153	104
4th quarter																
1991 average																

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, 1980-91^a

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

Year	Moulding		Shop		Structural items		Heavy framing		Light framing		Utility		Economy		Total volume, all grades
	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	Percent	Price	
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	1.4	910	5.4	399	1.8	283	29.7	260	47.6	221	8.8	143	5.1	93	1,563,427
1991:															
1st quarter	1.2	820	5.3	382	2.1	266	29.1	215	45.7	199	10.2	124	6.4	85	344,177
2d quarter	1.3	765	4.6	378	2.2	284	29.7	293	47.2	236	9.6	145	5.4	99	435,387
3d quarter	1.4	818	4.2	503	1.8	304	32.9	285	45.0	239	9.5	148	5.2	102	384,193
4th quarter															

1991 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 13--Percentage of total volume and f.o.b. mill prices for hem-fir lumber, coast mills, 1980-91^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	
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	.2	820	1.5	500	5.5	270	16.4	283	62.8	224	7.5	150	6.1	97	784,600
1991:															
1st quarter	.3	858	1.7	472	4.8	275	16.6	247	59.9	213	10.0	138	6.7	86	138,022
2d quarter	.2	756	1.8	457	4.8	293	14.6	292	63.4	242	8.7	157	6.5	104	179,193
3d quarter	.2	699	1.5	473	4.7	295	15.1	296	65.7	235	7.8	154	5.0	97	182,868
4th quarter															
1991 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, 1986-91

(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	254.61	888.31	690.73	791.70
1989				
1990:				
1st quarter	255.00	955.00	475.30	857.03
2d quarter	255.00	955.00	329.79	885.01
3d quarter	255.00	943.00	567.99	811.75
4th quarter	255.00	925.83	368.05	843.87
1990 average	255.00	944.71	413.42	851.06
1991:				
1st quarter	203.46	915.00	339.44	843.71
2d quarter	235.00	927.31	437.56	857.83
3d quarter	232.00	948.00	579.82	864.58
4th quarter				
1991 average				

NA = not available.

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

Table 15--Washington and Oregon timber harvest by ownership, 1980-90

(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:							
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
1990P	3,993	657	817	4	182	40	5,694
Oregon:							
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	3,721	198	3,307	1,026	124	44	8,420
1990	3,229	137	2,014	704	98	37	6,219

P = preliminary.

^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, 1980-90

(In million board feet, Scribner scale)

State and year	Private	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest	Total
Montana:						
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
1990	611.9	31.5	45.6	5.1	444.8	1,138.9
Idaho:						
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
1990	738.4	227.1	19.9	10.5	756.8	1,752.7

Source: Respective agencies.

**Table 17--British Columbia timber harvest,
1980-90**

(In thousand cubic meters)

Year	Coast ^a	Interior ^b	Total
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	29 904	57 474	87 414
1990	25 209	53 108	78 316

^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, 1980-90

(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	
1980	47,547	137,600	17,000	484	50	534	452,121	1,565	453,686	656,367
1981	53,687	152,900	702	330	32	362	385,690	1,814	387,504	595,155
1982	35,198	220,500	2,895	340	79	419	344,857	679	345,536	604,548
1983	35,511	243,400	5,900	346	30	376	251,177	751	251,927	537,114
1984	28,044	222,400	0	0	0	0	260,977	545	261,522	511,966
1985	12,864	275,300	871	205	66	271	265,300	354	265,654	554,960
1986	18,995	331,200	0	0	252	252	271,579	563	272,142	622,589
1987	25,800	452,100	0	185	0	185	339,200	13,031	352,231	830,316
1988	25,177	517,000	0	112	0	112	407,062	1,185	408,947	951,236
1989	17,728	613,000	3,600	270	25	295	392,344	69,516	461,860	1,096,483
1990	11,163	547,500	300	407	0	407	473,000	1,000	474,000	1,033,370

Source: Respective agencies.

Table 19--California timber harvest by ownership, 1980-90

(In million board feet, Scribner scale)

Year	Private ^a	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest ^a	Total
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
1990	2,673	24	14	10	1,530	4,251

^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, 1980-91

(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
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	131.6	104.1	27.5	58.8	40.4	18.4	72.8	63.7	9.1
1991:									
January	121.3	94.4	26.9	55.6	37.9	17.7	65.7	56.5	9.2
February	121.0	94.0	27.0	55.5	37.7	17.8	65.5	56.3	9.2
March	120.1	92.9	27.2	55.5	37.7	17.9	64.5	55.2	9.3
Average, 1st quarter	120.8	93.8	27.0	55.5	37.8	17.8	65.2	56.0	9.2
April	121.2	94.0	27.2	56.2	38.3	17.9	65.0	55.7	9.3
May	122.3	95.4	26.9	56.2	38.5	17.7	66.1	56.9	9.2
June	125.8	98.1	27.7	57.1	38.9	18.2	68.7	59.2	9.5
Average, 2d quarter	123.1	95.8	27.3	56.5	38.6	17.9	66.6	57.3	9.3
July	126.7	98.8	27.9	57.2	38.9	18.3	69.5	59.9	9.6
August	126.1	98.4	27.7	57.0	38.8	18.2	69.1	59.6	9.5
September	125.0	97.5	27.5	56.6	38.5	18.1	68.4	59.0	9.4
Average, 3d quarter	125.9	98.2	27.7	56.9	38.7	18.2	69.0	59.5	9.5
October									
November									
December									
Average, 4th quarter									
1991 average									
----- 3d quarter 1991 change in employment -----									
From:									
2d qtr. 1991	2.8	2.4	.4	.4	.1	.3	2.4	2.2	.2
3d qtr. 1990	-8.7	-8.3	-.4	-3.1	-2.5	-.6	-5.6	-5.8	.2

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

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

Figure 1--Employment in forest products industry, Washington and Oregon, 1980-90

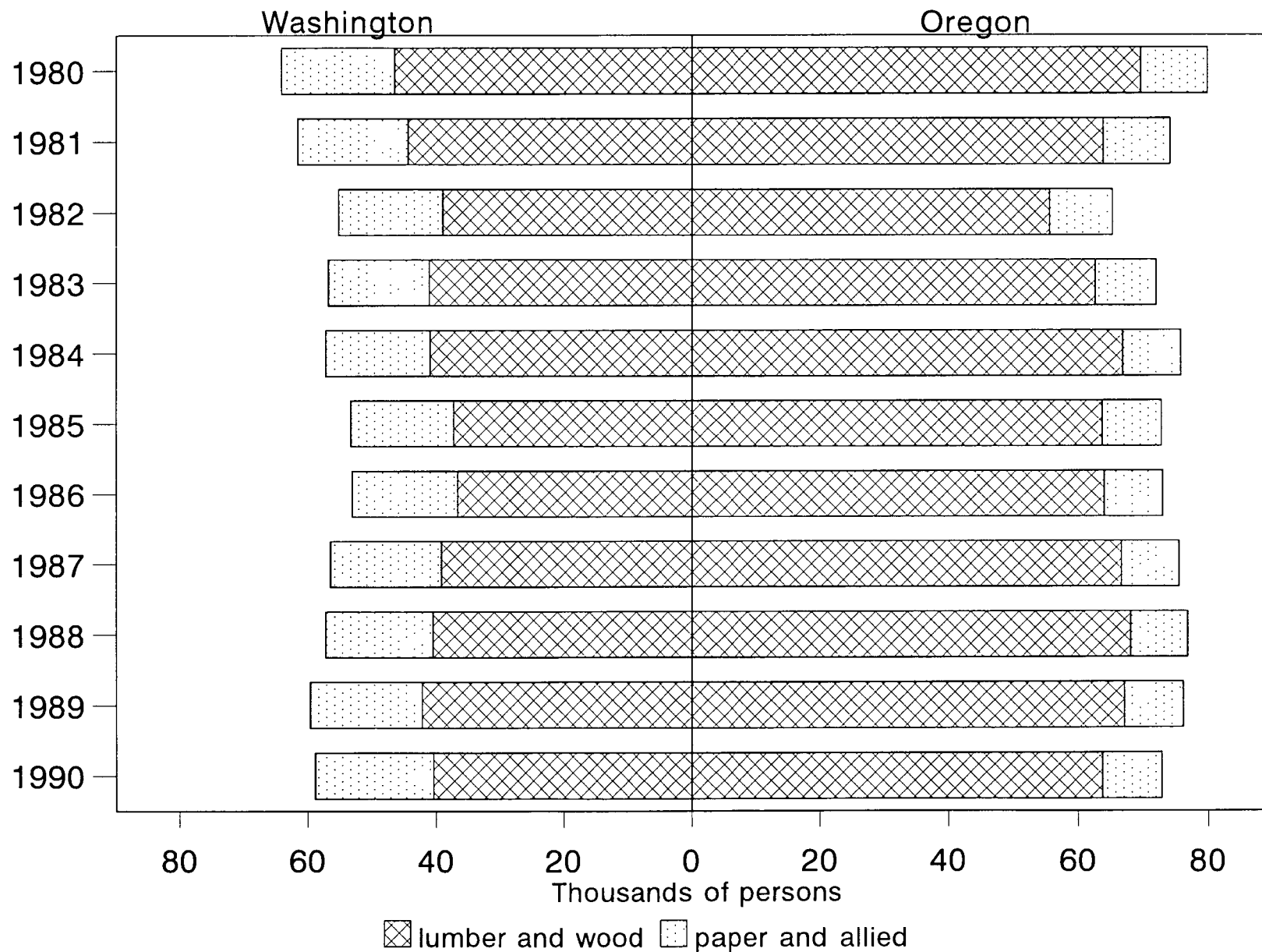


Table 21--Employment in forest products industries in California and Alaska, 1980-91

(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
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	109.3	67.5	41.8	3.9	3.0	.9
1991:						
January	96.0	55.0	41.0	2.5	1.6	.9
February	94.9	54.2	40.7	2.7	1.8	.9
March	94.3	54.0	40.3	3.2	2.3	.9
Average, 1st quarter	95.1	54.4	40.7	2.8	1.9	.9
April	NA	NA	NA	3.6	2.7	.9
May	NA	NA	NA	3.7	2.8	.9
June	NA	NA	NA	3.6	2.7	.9
Average, 2d quarter	NA	NA	NA	3.6	2.7	.9
July	NA	NA	NA	3.7	2.8	.9
August	NA	NA	NA	3.6	2.7	.9
September	NA	NA	NA	3.7	2.8	.9
Average, 3d quarter	NA	NA	NA	3.7	2.8	.9
October						
November						
December						
Average, 4th quarter						
1991 average						
----- 3d quarter 1991 change in employment -----						
From:						
2d quarter 1991	NA	NA	NA	.1	.1	0.0
3d quarter 1990	NA	NA	NA	-.8	-.7	0.0

NA = not available.

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

Table 22--Employment in forest products industries in Montana and Idaho, 1980-91

(In thousands of persons)

Year	Montana		Total	Idaho	
	Lumber and wood products	Paper and allied products		Lumber and wood products	Paper and allied products
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	8.4	a	17.2	15.1	R2.2
1991:					
January	8.0	a	16.5	14.2	2.3
February	7.7	a	15.4	13.1	2.3
March	6.3	a	14.7	12.4	2.3
Average, 1st quarter	7.3	a	15.5	13.2	2.3
April	6.7	a	14.1	11.9	2.2
May	8.0	a	15.1	12.9	2.2
June	8.8	a	16.6	14.3	2.3
Average, 2d quarter	7.8	a	15.2	13.0	2.2
July	9.2	a	17.1	14.8	2.3
August	9.1	a	17.2	14.9	2.3
September	8.8	a	17.0	14.7	2.3
Average, 3d quarter	9.0	a	17.1	14.8	2.3
October					
November					
December					
Average, 4th quarter					
1991 average					
----- 3d quarter 1991 change in employment -----					
From:					
2d quarter 1991	1.2	a	1.9	1.8	.1
3d quarter 1990	.1	a	-1.2	-1.3	0.0

R = revised.

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, 1980-91

(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													
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	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.	708.7	437.0	215.4	53.8	437.0	236.7	162.2	38.0	271.7	201.4	53.1	2.6	14.6
1990 total	3,008.4	1,863.1	941.9	192.5	1,932.1	1,076.8	717.6	137.7	1,076.2	786.3	224.3	10.9	54.8
1991:													
1st qtr.	702.9	440.1	224.0	37.3	424.5	233.0	167.2	24.3	278.4	207.1	56.8	1.5	13.0
2d qtr.	657.3	397.3	220.5	39.5	380.1	193.1	164.0	23.0	277.2	204.2	56.5	2.8	13.7
3d qtr.	587.2	353.5	195.1	38.6	389.2	209.7	154.7	24.8	198.0	143.8	40.4	2.5	11.3
4th qtr.													
1991 total													
TO JAPAN													
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	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	72.5	18.1	243.9	174.4	58.0	11.5	151.8	128.1	14.2	2.9	6.6
4th qtr.	469.5	339.8	99.1	28.2	265.4	177.8	72.5	15.1	204.1	162.0	26.6	2.5	13.1
1990 total	2,114.4	1,526.1	451.2	127.2	1,271.1	846.1	349.3	75.7	843.3	680.0	101.9	9.9	51.5
1991:													
1st qtr.	496.9	375.3	94.1	26.3	276.2	188.9	73.1	14.2	220.7	186.4	21.0	1.2	12.1
2d qtr.	410.9	301.6	85.0	24.3	216.9	139.9	65.3	11.7	194.0	161.7	19.7	2.5	10.1
3d qtr.	403.7	290.4	89.8	23.5	252.7	166.7	74.3	11.7	151.0	123.7	15.5	1.9	9.9
4th qtr.													
1991 total													
TO CANADA													
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	.0	30.5	2.3	.0	.0	.0	.0	.0
1986	58.8	2.3	45.6	10.9	53.6	2.3	45.6	5.7	5.2	.0	4.5	.0	.7
1987	43.5	5.4	35.6	2.5	41.4	5.4	35.6	.4	2.1	.0	2.1	.0	.0
1988	20.9	.8	19.4	.7	20.9	.8	19.4	.7	.0	.0	.0	.0	.0
1989	30.3	12.9	16.7	.7	30.3	12.9	16.7	.7	.0	.0	.0	.0	.0
1990:													
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.	7.0	.4	6.5	.1	7.0	.4	6.5	.1	.0	.0	.0	.0	.0
1990 total	28.3	3.4	19.6	5.3	28.3	3.4	19.6	5.3	.0	.0	.0	.0	.0
1991:													
1st qtr.	15.5	1.7	13.6	.2	15.5	1.7	13.6	.2	.0	.0	.0	.0	.0
2d qtr.	10.4	.8	8.3	1.3	10.4	.8	8.3	1.3	.0	.0	.0	.0	.0
3d qtr.	2.2	1.0	.2	1.0	2.2	1.0	.2	1.0	.0	.0	.0	.0	.0
4th qtr.													
1991 total													

Table 23--Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91 (continued)

(In million board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO SOUTH KOREA													
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	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.	121.7	10.9	93.8	17.0	97.6	6.0	75.3	16.4	24.1	4.9	18.6	.0	.6
1990 total	486.6	15.1	434.4	37.1	372.1	10.0	326.6	35.5	114.5	5.1	107.9	.0	1.6
1991:													
1st qtr.	119.6	7.2	107.5	4.9	84.2	2.4	77.4	4.4	35.4	4.8	30.1	.0	.5
2d qtr.	135.6	2.6	124.3	8.7	98.5	1.3	89.8	7.4	37.1	1.3	34.5	.0	1.3
3d qtr.	114.3	1.5	104.1	8.7	88.0	.9	79.4	7.7	26.3	.6	24.7	.0	1.0
4th qtr.													
1991 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	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.	97.0	82.1	13.6	1.3	57.6	50.8	6.1	.8	39.3	31.3	7.5	.0	.5
1990 total	339.7	303.7	28.4	7.7	231.3	209.8	14.5	7.0	108.4	93.9	13.9	.0	.6
1991:													
1st qtr.	63.4	51.5	7.4	4.5	43.2	36.9	1.8	4.5	20.2	14.6	5.6	.0	.0
2d qtr.	91.2	86.7	2.2	2.3	45.9	45.9	.0	.0	45.3	40.8	2.2	.0	2.3
3d qtr.	55.8	52.7	.0	3.1	38.2	35.1	.0	3.1	17.6	17.6	.0	.0	.0
4th qtr.													
1991 total													

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

Figure 2--Log exports from Seattle and Columbia-Snake Customs Districts, 1980-90

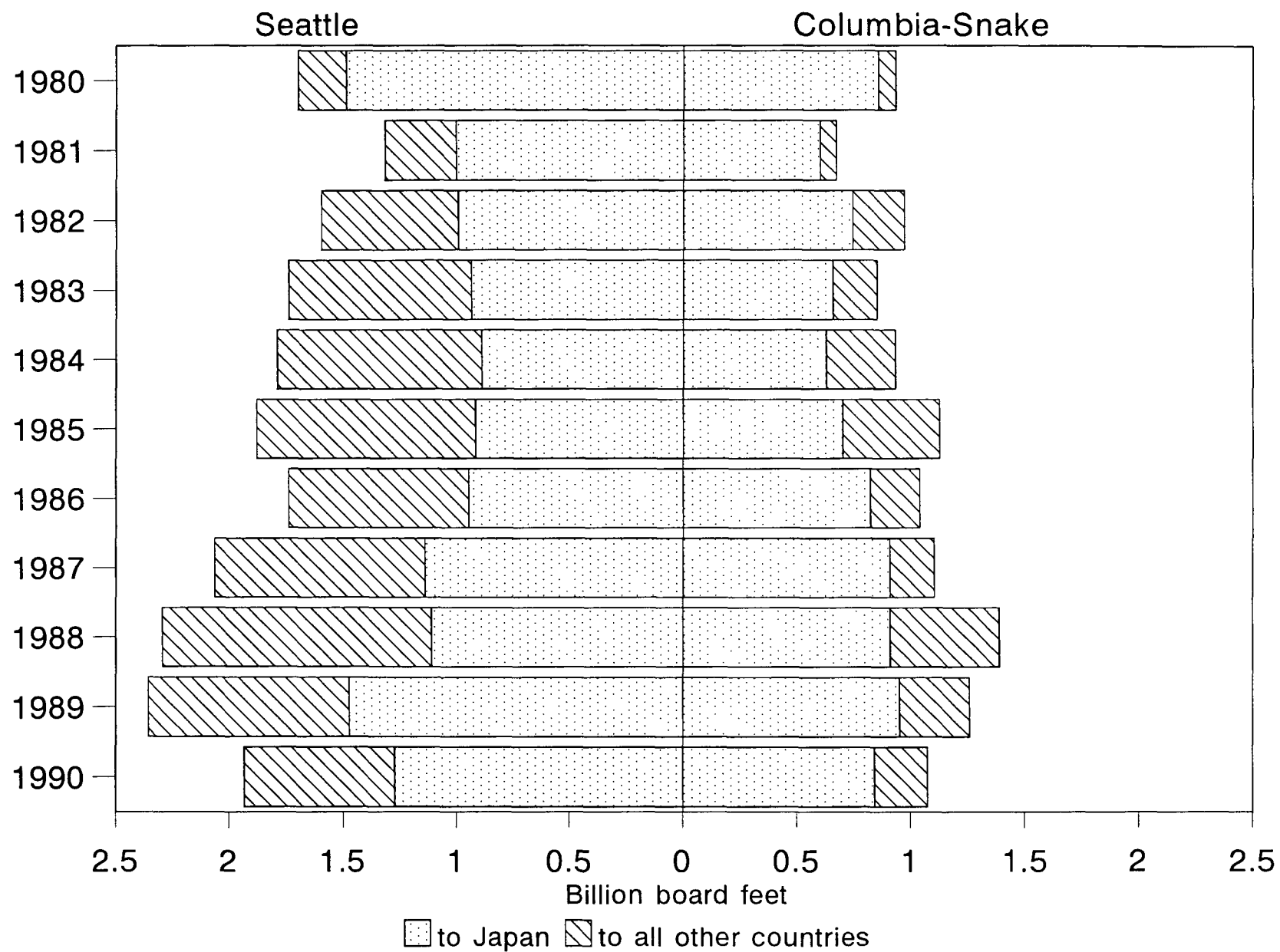


Table 24--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91

(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													
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	1,078,600	492,553	119,482	1,032,743	548,636	394,483	89,625	693,125	529,965	98,070	35,233	29,857
1989	1,724,771	1,076,505	493,309	123,111	1,046,195	567,083	384,730	94,381	678,577	509,422	108,579	31,846	28,730
1990:													
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.	396,618	261,796	102,381	24,181	223,006	130,247	77,497	15,262	173,612	131,549	24,884	8,260	8,919
1990 total	1,681,850	1,093,869	454,374	104,487	1,014,303	592,289	349,177	72,837	667,547	501,580	105,197	29,120	31,650
1991:													
1st qtr.	398,157	269,965	103,061	21,370	228,425	134,000	80,362	14,063	169,732	135,965	22,699	3,761	7,307
2d qtr.	368,763	238,873	101,964	27,926	207,721	116,635	76,841	14,245	161,042	122,238	25,123	7,450	6,231
3d qtr.	337,145	213,008	95,869	28,268	214,804	123,052	77,328	14,424	122,341	89,956	18,541	7,077	6,767
4th qtr.													
1991 total													
TO JAPAN													
1980	1,190,875	593,484	448,586	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	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.	286,338	206,992	55,131	16,120	152,977	102,682	41,765	8,530	133,361	104,310	13,366	8,095	7,590
1990 total	1,264,949	923,577	241,989	71,993	718,343	484,358	191,418	42,567	546,607	439,219	50,571	27,391	29,426
1991:													
1st qtr.	308,653	237,604	52,702	15,104	163,697	113,097	42,183	8,417	144,956	124,507	10,519	3,243	6,687
2d qtr.	256,926	192,229	45,752	18,945	133,530	90,948	35,755	6,827	123,396	101,281	9,997	6,829	5,289
3d qtr.	255,268	184,988	50,925	19,355	154,575	104,899	42,394	7,282	100,693	80,089	8,531	5,986	6,087
4th qtr.													
1991 total													
TO CANADA													
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	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.	1,879	52	1,810	17	1,879	52	1,810	17	--	--	--	--	--
1990 total	8,865	946	6,447	1,472	8,865	946	6,447	1,472	--	--	--	--	--
1991:													
1st qtr.	5,007	651	4,292	64	5,007	651	4,292	64	--	--	--	--	--
2d qtr.	3,016	163	2,460	393	3,016	163	2,460	393	--	--	--	--	--
3d qtr.	783	349	111	323	783	349	111	323	--	--	--	--	--
4th qtr.													
1991 total													

Table 24--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91 (continued)

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO SOUTH KOREA													
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	1,116
1987	126,745	4,952	104,660	16,935	112,289	3,871	93,149	15,269	14,456	1,080	11,531	178	1,667
1988	191,804	6,210	162,541	23,053	163,755	4,622	137,250	21,884	28,047	1,588	25,291	--	1,169
1989	216,548	6,655	182,826	27,068	172,501	6,094	140,425	25,982	44,047	560	42,401	--	1,086
1990:													
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.	49,158	5,775	39,117	4,266	37,205	2,475	30,720	4,010	11,953	3,300	8,397	--	256
1990 total	219,402	8,264	191,506	19,624	166,129	4,880	142,339	18,910	53,273	3,384	49,167	8	714
1991:													
1st qtr.	50,479	3,991	43,366	3,122	36,952	1,268	32,792	2,892	13,527	2,723	10,574	--	230
2d qtr.	59,503	1,214	53,170	5,119	43,507	561	38,342	4,604	15,996	653	14,828	--	515
3d qtr.	50,527	805	44,516	5,206	39,889	521	34,563	4,805	10,638	284	9,953	--	401
4th qtr.													
1991 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	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	4,658	1,227	40,328	36,091	3,010	1,227	23,709	21,861	1,848	--	--
4th qtr.	49,974	43,980	5,406	588	27,033	24,193	2,484	356	22,941	19,787	2,922	--	232
1990 total	164,786	150,037	11,234	3,411	106,540	97,341	6,064	3,135	58,246	52,695	5,170	105	276
1991:													
1st qtr.	29,211	25,075	2,212	1,924	19,933	17,337	672	1,924	9,278	7,738	1,540	--	--
2d qtr.	40,927	40,331	298	298	20,490	20,490	--	--	20,437	19,841	298	--	298
3d qtr.	23,314	22,243	--	1,071	15,052	13,981	--	1,071	8,262	8,262	--	--	--
4th qtr.													
1991 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, 1980-91

(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													
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	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.	559.61	599.12	475.41	449.27	510.32	550.21	477.69	401.20	638.89	653.03	468.44	3,190.42	611.48
1990 avg.	559.05	587.13	482.42	542.67	524.97	550.04	486.61	528.77	620.26	637.93	469.02	2,672.54	577.63
1991:													
1st qtr.	566.45	613.42	460.09	572.92	538.10	575.11	480.63	578.72	609.67	656.52	399.63	2,507.33	562.08
2d qtr.	561.03	601.24	462.42	706.99	546.49	604.01	468.54	619.35	580.96	598.62	444.65	2,660.71	454.82
3d qtr.	574.16	602.57	491.38	732.33	551.91	586.80	499.86	581.61	617.88	625.56	458.94	2,830.80	598.85
4th qtr.													
1991 avg.													
TO JAPAN													
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	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.	609.85	609.20	556.38	572.20	576.36	577.47	576.20	564.08	653.41	644.04	502.41	3,260.17	581.61
1990 avg.	598.25	605.18	536.33	566.17	565.14	572.47	547.95	562.56	648.15	645.88	496.46	2,755.63	571.49
1991:													
1st qtr.	621.16	633.10	560.06	574.30	592.68	598.71	577.06	592.75	656.80	667.96	500.90	2,702.50	552.64
2d qtr.	625.28	637.36	538.26	779.63	615.63	650.09	547.55	583.50	636.06	626.35	507.46	2,731.60	523.66
3d qtr.	632.32	637.01	567.09	823.62	611.69	629.27	570.58	622.39	666.84	647.45	550.39	3,150.53	614.85
4th qtr.													
1991 avg.													
TO CANADA													
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	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.	267.51	121.61	276.67	314.81	267.51	121.61	276.67	314.81	--	--	--	--	--
1990	313.25	282.14	328.29	276.95	313.25	282.14	329.39	276.95	--	--	--	--	--
1991:													
1st qtr.	323.03	382.94	315.59	320.00	323.03	382.94	315.59	320.00	--	--	--	--	--
2d qtr.	290.00	203.75	296.39	302.31	290.00	203.75	296.39	302.31	--	--	--	--	--
3d qtr.	355.91	349.00	555.00	323.00	355.91	349.00	555.00	323.00	--	--	--	--	--
4th qtr.													
1991 avg.													

Table 25--Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91 (continued)

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District				
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Port-Orford-cedar	Other softwoods
TO SOUTH KOREA													
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	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.	403.89	531.47	416.93	250.62	381.07	412.64	408.22	244.80	496.45	677.90	452.23	--	399.38
1990 avg.	450.90	548.85	440.82	528.95	446.47	487.66	435.87	532.29	465.29	670.10	455.80	--	453.62
1991:													
1st qtr.	422.07	554.31	403.40	637.14	438.86	528.33	423.67	657.27	382.12	567.29	351.30	--	460.00
2d qtr.	438.81	466.92	427.76	588.39	441.70	431.54	426.97	622.16	431.16	502.31	429.80	--	396.15
3d qtr.	442.06	536.67	427.63	598.39	453.28	578.89	435.30	624.03	404.49	473.33	402.96	--	401.00
4th qtr.													
1991 avg.													
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	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.	515.45	535.89	397.06	463.72	468.93	476.55	405.48	471.52	583.68	632.13	390.17	--	464.00
1990 avg.	485.09	494.11	395.97	444.37	460.62	463.97	418.96	446.26	537.31	561.45	372.02	2,441.86	460.00
1991:													
1st qtr.	460.74	486.89	298.92	427.56	461.41	469.84	373.33	427.56	459.31	530.00	275.00	--	--
2d qtr.	448.76	465.18	135.45	129.57	446.41	446.41	--	--	451.15	486.30	135.45	--	129.57
3d qtr.	417.81	422.07	--	345.48	394.03	398.32	--	345.48	469.43	469.43	--	--	--
4th qtr.													
1991 avg.													

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

Table 26--Volume and average value of softwood log exports from the San Francisco Customs District by species and destination, 1980-91

(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								
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	108,287	520.00	25,287	549.22	41	3,073.17	82,959	509.83
1991:								
1st quarter	20,325	452.60	6,779	463.49	17	1,470.59	13,529	445.86
2d quarter	22,596	447.96	9,066	534.08	4	1,500.00	13,526	389.92
3d quarter	10,727	459.03	4,781	480.86	0	--	5,946	441.47
4th quarter								
1991 total and average value								
TO JAPAN								
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	70,186	537.54	16,465	590.46	0	--	53,721	521.32
1991:								
1st quarter	6,507	483.17	2,040	500.49	0	--	4,467	475.26
2d quarter	8,300	564.34	4,915	637.23	0	--	3,385	458.49
3d quarter	9,972	457.78	4,774	479.68	0	--	5,198	437.67
4th quarter								
1991 total and average value								
TO PEOPLE'S REPUBLIC OF CHINA								
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	18,755	449.00	5,912	459.24	0	--	12,843	444.29
1991:								
1st quarter	12,585	431.31	4,724	444.54	0	--	7,861	423.36
2d quarter	8,190	367.52	4,150	412.05	0	--	4,040	321.78
3d quarter	0	--	0	--	0	--	0	--
4th quarter								
1991 total and average value								

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

Figure 3--Log exports from San Francisco and Anchorage Customs Districts, 1980-90

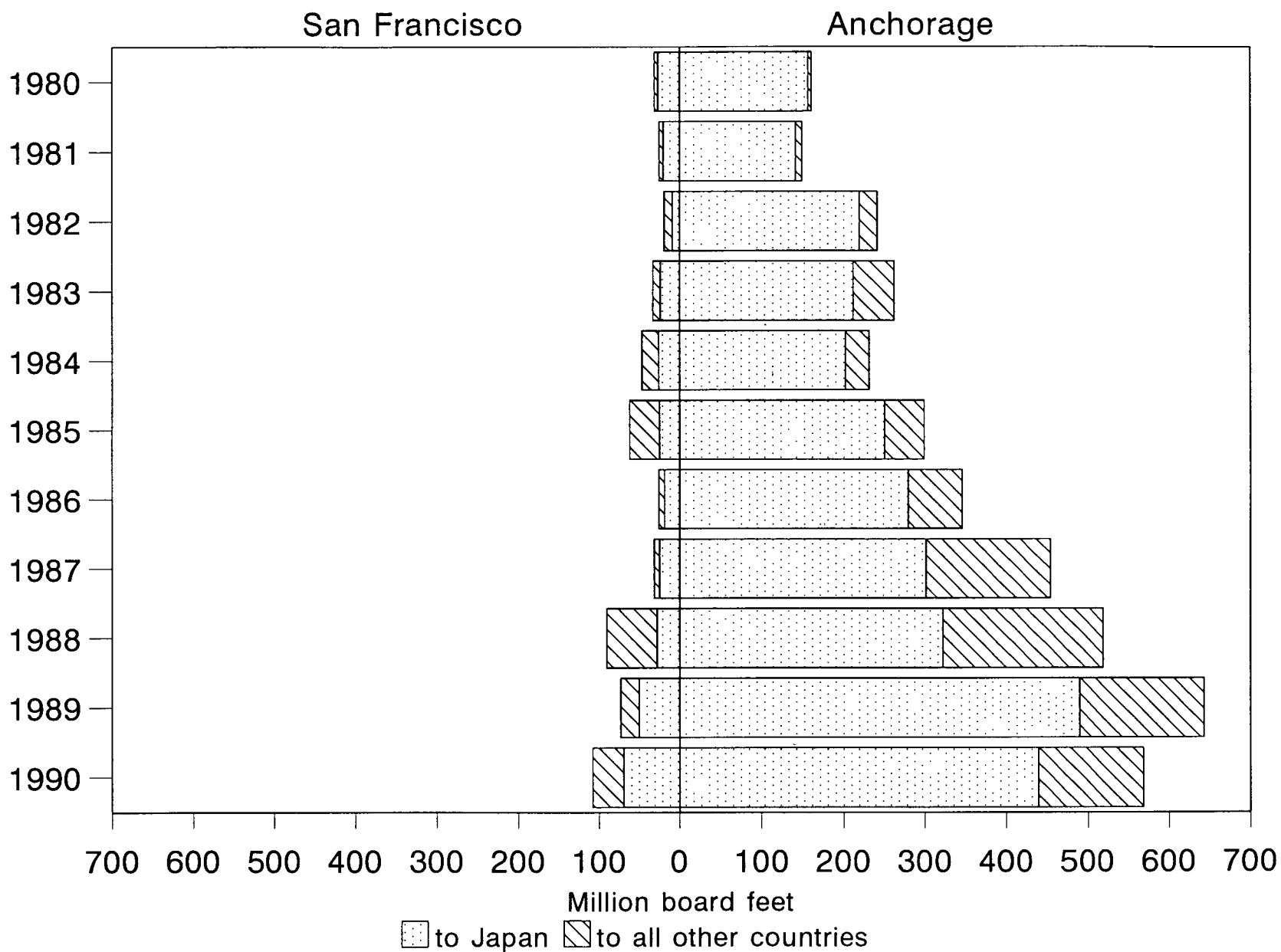


Table 27--Volume and average value of softwood log exports from Anchorage Customs District by species and destination, 1980-91

(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	568,597	592.33	251,500	457.05	62,609	439.35	213,334	781.02
1991:								
1st quarter	46,911	529.26	15,563	368.95	7,648	400.10	20,989	675.12
2d quarter	182,413	554.29	82,857	417.41	20,570	374.43	70,741	740.74
3d quarter	155,468	572.30	68,385	426.34	15,907	417.55	62,691	754.88
4th quarter								
1991 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	439,291	632.94	171,198	481.74	28,479	440.68	199,692	782.91
1991:								
1st quarter	26,516	636.48	7,375	460.07	685	661.31	16,381	700.08
2d quarter	121,968	652.47	49,461	491.26	6,668	399.67	58,663	797.90
3d quarter	104,059	646.83	40,347	506.28	5,156	560.12	50,857	761.55
4th quarter								
1991 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	4,163	561.85	3,299	500.45	0	--	864	797.45
1991:								
1st quarter	2,068	422.63	0	--	0	--	2,068	422.63
2d quarter	6,867	489.59	0	--	0	--	6,867	489.59
3d quarter	7,360	685.33	0	--	0	--	7,360	685.33
4th quarter								
1991 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 28--Volume and average value of log exports by port, species, and destination, Seattle Customs District, 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	227,391	560.15	158,080	584.76	59,865	510.88	6,285	410.14	0	--
Redcedar	30,878	536.86	6,496	747.02	0	--	23,383	479.00	0	--
Hemlock	224,004	495.55	99,218	541.00	8,332	444.79	112,633	463.33	0	--
Spruce	19,076	458.31	9,677	514.86	4,259	430.70	0	--	0	--
Other softwoods	2,500	661.06	1,328	590.78	0	--	1,172	740.73	0	--
All softwoods	503,849	526.65	274,799	570.37	72,457	498.56	143,472	465.82	0	--
All hardwoods	1,836	652.66	1,386	711.76	0	--	435	471.32	0	--
Red alder	618	438.61	379	545.61	0	--	239	268.83	0	--
Anacortes:										
Douglas-fir	50,089	536.67	40,959	549.31	8,442	483.21	0	--	289	381.32
Redcedar	4,790	316.01	316	699.63	0	--	0	--	4,474	288.91
Hemlock	21,811	424.03	11,139	518.22	0	--	0	--	10,672	325.73
Spruce	16	564.65	16	564.65	0	--	0	--	0	--
Other softwoods	652	800.19	652	800.19	0	--	0	--	0	--
All softwoods	77,359	493.48	53,082	546.77	8,842	483.21	0	--	15,436	316.10
Hardwoods	158	945.92	96	789.87	0	--	0	--	63	1,184.68
Everett:										
Douglas-fir	235,575	526.28	178,550	569.26	55,434	385.62	431	1,097.11	0	--
Redcedar	6,195	519.75	1,748	585.32	8	507.36	2,652	549.14	0	--
Hemlock	138,462	461.58	71,032	535.86	3,449	391.47	63,434	382.82	0	--
Spruce	3,960	654.04	1,743	860.51	1,822	504.37	0	--	0	--
Other softwoods	8,996	580.94	8,059	604.45	781	358.41	70	604.00	0	--
All softwoods	393,187	505.93	261,131	563.31	61,493	389.14	66,586	394.30	0	--
All hardwoods	11,004	586.37	5,683	862.13	0	--	3,745	339.19	0	--
Red alder	2,200	205.14	97	398.00	0	--	1,057	225.50	0	--
Port Angeles:										
Douglas-fir	83,136	521.48	77,996	526.16	3,991	437.97	1,149	493.58	0	--
Redcedar	4,642	642.10	1,398	594.76	0	--	3,244	662.50	0	--
Hemlock	173,455	469.96	62,419	542.62	2,693	374.28	107,582	430.86	761	376.01
Spruce	20,422	475.93	20,336	475.87	0	--	86	490.05	0	--
Other softwoods	2,114	569.77	2,114	569.77	0	--	0	--	0	--
All softwoods	283,768	489.04	164,262	527.34	6,684	412.31	112,061	438.25	761	376.01
All hardwoods	3,220	480.96	2,530	521.17	0	--	675	315.91	15	1,127.04
Red alder	1,572	298.36	924	303.66	0	--	648	290.80	0	--
Seattle:										
Douglas-fir	8,631	817.24	5,305	894.04	563	475.73	74	1,017.88	0	--
Port-Orford-cedar	56	1,643.98	0	--	0	--	0	--	0	--
Redcedar	1,743	708.40	115	1,253.01	0	--	66	627.90	0	--
Hemlock	15,199	783.20	8,374	1,095.29	0	--	1,702	487.96	2,398	333.22
Spruce	270	1,157.00	206	1,281.87	15	399.71	0	--	0	--
Other softwoods	7,023	642.88	1,075	661.27	0	--	2,203	843.48	0	--
All softwoods	32,923	762.77	15,074	997.27	578	473.76	4,044	693.54	2,398	333.22
All hardwoods	29,724	781.43	19,374	536.04	0	--	5,012	1,898.90	1,523	123.43
Red alder	1,022	943.40	612	931.69	0	--	82	1,053.41	0	--

Table 28--Volume and average value of log exports by port, species, and destination, Seattle Customs District, 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	460,976	560.10	377,461	576.88	81,104	482.01	2,069	574.260	--	--
Port-Orford-cedar	10	1,373.55	0	--	0	--	0	--	0	--
Redcedar	4,217	590.92	1,864	715.28	0	--	2,295	492.03	0	--
Hemlock	137,046	503.69	95,360	526.30	0	--	41,215	453.37	0	--
Spruce	2,774	676.05	2,774	676.05	0	--	0	--	0	--
Other softwoods	15,957	483.49	15,600	486.61	0	--	356	346.96	0	--
All softwoods	620,979	546.43	493,059	565.32	81,104	482.01	45,935	459.92	0	--
All hardwoods	3,566	623.99	1,166	771.06	8	1,343.33	1,665	421.02	0	--
Red alder	935	486.23	189	614.02	0	--	664	406.73	0	--
Other ports: ^a										
Douglas-fir	11,010	495.23	4,166	484.97	0	--	0	--	3,064	272.78
Port-Orford-cedar	38	2,390.87	38	2,390.87	0	--	0	--	0	--
Hemlock	7,593	337.44	1,196	378.04	0	--	0	--	5,800	325.10
Spruce	79	671.45	10	411.82	0	--	0	--	0	--
Other softwoods	959	438.57	0	--	0	--	0	--	944	429.55
All	19,679	435.95	5,410	474.58	0	--	0	--	9,808	318.80
All hardwoods	1,636	332.01	78	1,036.71	0	--	0	--	1,523	240.15
Total:										
Douglas-fir	1,076,808	550.04	842,516	572.25	209,799	463.97	10,007	487.69	3,353	282.14
Port-Orford-cedar	104	1,888.70	38	2,390.87	0	--	0	--	0	--
Redcedar	52,465	534.04	11,936	704.17	8	507.36	31,640	504.94	4,474	288.91
Hemlock	717,570	486.61	348,736	548.25	14,474	418.97	326,565	435.87	19,632	328.41
Spruce	46,596	500.08	34,762	526.79	6,096	452.64	86	490.05	0	--
Other softwoods	38,200	556.42	28,828	544.06	781	358.41	3,801	760.87	944	429.55
All softwoods	1,931,744	525.04	1,266,816	565.05	231,158	460.50	372,098	446.47	28,403	320.08
All hardwoods	51,144	691.08	30,311	615.09	8	1,343.33	11,532	1,032.54	3,123	206.40
Red alder	6,347	411.25	2,202	550.76	0	--	2,689	315.18	0	--

^a Bellingham, Blaine, Lynden, Oroville, Sea-Tac Airport, 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 1991

(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	49,269	544.01	32,009	607.53	12,636	412.36	572	542.92	0	--
Redcedar	3,857	791.62	1,050	958.35	0	--	2,076	826.41	0	--
Hemlock	64,149	480.08	24,845	572.17	0	--	38,734	423.86	0	--
Spruce	5,648	450.00	2,415	588.79	3,105	345.03	128	376.79	0	--
Other softwoods	866	618.62	866	618.62	0	--	0	--	0	--
All softwoods	123,790	514.83	61,186	598.61	15,741	399.08	41,510	445.49	0	--
All hardwoods	137	364.15	0	--	0	--	137	364.15	0	--
Anacortes:										
Douglas-fir	8,175	617.25	7,989	624.16	0	--	0	--	186	319.86
Hemlock	6,702	470.27	1,096	555.55	0	--	5,407	449.74	198	558.55
All softwoods	14,876	551.04	9,085	615.89	0	--	5,407	449.74	384	443.18
Everett:										
Douglas-fir	49,901	529.05	38,947	586.01	10,954	326.48	0	--	0	--
Redcedar	199	578.83	0	--	0	--	199	578.83	0	--
Hemlock	17,628	529.37	12,543	570.52	0	--	5,085	427.85	0	--
Spruce	924	590.42	924	590.42	0	--	0	--	0	--
Other softwoods	1,309	745.50	1,309	745.50	0	--	0	--	0	--
All softwoods	69,961	534.13	53,724	586.36	10,954	326.48	5,283	433.53	0	--
All hardwoods	645	518.60	645	518.60	0	--	0	--	0	--
Port Angeles:										
Douglas-fir	14,806	653.41	14,432	656.37	0	--	374	539.05	0	--
Redcedar	3,788	584.48	163	1,217.43	0	--	3,626	556.08	0	--
Hemlock	42,126	511.05	15,647	612.46	0	--	26,479	451.13	0	--
Spruce	1,734	630.97	478	968.40	0	--	1,255	502.40	0	--
Other softwoods	167	738.37	167	738.37	0	--	0	--	0	--
All softwoods	62,620	553.08	30,887	642.36	0	--	31,734	466.18	0	--
All hardwoods	18	1,132.50	18	1,132.50	0	--	0	--	0	--
Seattle:										
Douglas-fir	1,896	700.77	1,680	629.46	0	--	0	--	0	--
Port-Orford-cedar	166	1,743.75	0	--	0	--	0	--	0	--
Redcedar	136	507.32	0	--	0	--	23	506.89	0	--
Hemlock	1,366	562.88	1,221	584.76	0	--	0	--	0	--
Other softwoods	659	881.90	64	1,883.86	0	--	304	910.77	0	--
All softwoods	4,223	719.08	2,966	638.13	0	--	327	881.88	0	--
All hardwoods	2,660	1,119.62	138	2,147.44	0	--	1,170	1,798.90	0	--
Red alder	127	395.24	0	--	0	--	0	--	0	--

Table 29--Volume and average value of log exports by port, species, and destination, Seattle Customs District, third quarter 1991 (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	83,784	632.36	70,604	659.78	11,477	452.59	0	--	0	--
Redcedar	45	2,418.49	38	2,308.99	0	--	0	--	0	--
Hemlock	22,280	519.59	18,457	538.65	0	--	3,712	429.05	0	--
Spruce	90	810.99	44	605.89	0	--	0	--	0	--
Other softwoods	4,119	427.95	4,110	428.04	0	--	0	--	0	--
All softwoods	110,318	602.83	93,253	626.23	11,477	452.59	3,712	429.05	0	--
All hardwoods	1,040	633.62	507	954.22	4	2,264.15	8	1,021.38	0	--
Red alder	409	633.90	264	913.02	0	--	0	--	0	--
Other ports: ^a										
Douglas-fir	1,913	428.27	1,113	475.66	0	--	0	--	800	362.32
Redcedar	53	410.10	0	--	0	--	0	--	53	410.10
Hemlock	463	376.08	463	376.08	0	--	0	--	0	--
Other softwoods	972	348.58	0	--	0	--	0	--	972	348.58
All softwoods	3,402	398.10	1,577	446.39	0	--	0	--	1,825	356.39
All hardwoods	9	683.92	0	--	0	--	0	--	9	683.92
Total:										
Douglas-fir	209,744	586.68	166,775	628.99	35,066	398.70	945	541.39	986	354.32
Port-Orford-cedar	166	1,743.75	0	--	0	--	0	--	0	--
Redcedar	8,079	691.07	1,251	1,032.59	0	--	5,924	651.40	53	410.10
Hemlock	154,713	499.81	74,273	570.79	0	--	79,417	435.21	198	558.55
Spruce	8,396	506.70	3,862	636.40	3,105	345.03	1,383	490.81	0	--
Other softwoods	8,093	533.56	6,517	539.40	0	--	304	910.77	972	348.58
All softwoods	389,191	551.98	252,677	611.68	38,171	394.34	87,973	453.42	2,209	371.48
All hardwoods	4,509	897.72	1,308	867.86	4	2,264.15	1,314	1,644.57	9	683.92
Red alder	536	577.41	264	913.02	0	--	0	--	0	--

^a Bellingham, Blaine, Laurier, Lynden, Oroville, and Sumas.

Source: U.S. Department of Commerce.

Table 30--Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, 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	23,877	580.78	23,829	578.51	0	--	0	--	48	1,698.63
Port-Orford-cedar	6	2,734.18	0	--	0	--	0	--	6	2,734.18
Redcedar	220	506.92	0	--	0	--	220	506.92	0	--
Hemlock	18,484	462.42	12,609	467.71	0	--	5,875	451.07	0	--
Spruce	5,306	551.85	5,306	551.85	0	--	0	--	0	--
Other softwoods	2,761	564.58	2,761	564.58	0	--	0	--	0	--
All softwoods	50,653	533.62	44,504	543.08	0	--	6,095	453.09	55	1,816.02
Hardwoods	4	887.40	0	--	0	--	0	--	0	--
Coos Bay:										
Douglas-fir	193,021	700.12	172,690	718.04	15,898	427.74	0	--	0	--
Port-Orford-cedar	9,646	2,781.59	9,646	2,781.59	0	--	0	--	0	--
Redcedar	40	506.15	40	506.15	0	--	0	--	0	--
Hemlock	35,546	444.32	10,345	535.36	13,372	356.70	11,829	463.74	0	--
Spruce	6,323	455.92	6,323	455.92	0	--	0	--	0	--
Other softwoods	1,010	1,125.45	887	1,100.20	0	--	0	--	0	--
All softwoods	245,585	740.27	199,930	801.50	29,270	395.29	11,829	463.74	0	--
Hardwoods	21	1,946.78	0	--	0	--	0	--	0	--
Longview (Washington):										
Douglas-fir	273,309	603.51	216,479	600.08	51,600	609.14	4,868	677.96	362	852.71
Redcedar	60	1,043.07	60	1,043.07	0	--	0	--	0	--
Hemlock	46,389	500.23	42,197	504.10	525	761.66	3,309	415.24	357	446.89
Spruce	1,533	517.45	1,533	517.45	0	--	0	--	0	--
Other softwoods	11,783	606.05	11,756	606.47	0	--	0	--	27	427.03
All softwoods	333,073	588.90	272,024	585.10	52,125	610.68	8,177	571.64	747	642.83
Hardwoods	882	900.00	627	1,017.77	0	--	0	--	255	609.93
Newport:										
Douglas-fir	2,083	969.55	0	--	2,083	969.55	0	--	0	--
Hemlock	28,945	349.59	0	--	0	--	28,945	349.59	0	--
Spruce	1,491	448.04	1,291	453.00	0	--	200	415.92	0	--
All softwoods	32,519	393.82	1,291	453.00	2,083	969.55	29,144	350.04	0	--
Portland:										
Douglas-fir	293,970	631.39	267,038	642.35	24,273	512.67	182	459.31	2,310	637.22
Port-Orford-cedar	1,244	1,827.29	294	1,907.75	43	2,451.80	5	1,727.87	903	1,771.95
Redcedar	213	1,088.22	81	722.48	0	--	0	--	0	--
Hemlock	94,927	500.73	36,714	486.59	0	--	57,912	510.05	255	442.70
Spruce	5,982	492.09	4,223	509.59	513	453.00	1,141	449.14	44	509.63
Other softwoods	17,505	624.71	17,200	597.21	96	466.73	9	850.51	143	600.34
All softwoods	413,841	602.96	325,549	621.84	24,924	514.60	59,249	508.87	3,654	900.99
All hardwoods	2,714	1,123.34	1,438	1,661.57	0	--	204	504.14	39	1,530.40
Red alder	20	1,125.37	0	--	0	--	0	--	20	1,125.37
Total:										
Douglas-fir	786,260	637.93	680,035	645.88	93,855	561.46	5,050	670.06	2,720	684.76
Port-Orford-cedar	10,896	2,672.57	9,940	2,755.72	43	2,451.80	5	1,727.87	909	1,778.49
Redcedar	532	800.03	180	781.57	0	--	220	506.92	0	--
Hemlock	224,290	469.02	101,864	496.46	13,897	372.00	107,870	455.80	612	445.15
Spruce	20,634	495.07	18,676	500.16	513	453.00	1,341	444.20	44	509.63
Other softwoods	33,059	628.33	32,604	611.47	96	466.73	9	850.51	170	572.43
All softwoods	1,075,671	620.37	843,298	648.17	108,403	537.33	114,494	465.29	4,455	868.93
All hardwoods	3,621	1,073.57	2,065	1,466	0	--	204	793.53	294	732.43
Red alder	20	1,125.37	0	--	0	--	0	--	20	1,125.37

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 1991

(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:										
Hemlock	4,191	434.29	0	--	0	--	4,191	434.29	0	--
Coos Bay:										
Douglas-fir	21,906	637.37	21,831	636.89	0	--	0	--	0	--
Port-Orford-cedar	1,840	3,218.39	1,840	3,218.39	0	--	0	--	0	--
Hemlock	6,590	466.39	1,184	468.93	0	--	5,406	465.84	0	--
Spruce	19	376.10	19	376.10	0	--	0	--	0	--
Other softwoods	356	1,076.74	318	1,039.99	0	--	0	--	0	--
All softwoods	30,711	760.27	25,192	822.45	0	--	5,406	465.84	0	--
Longview (Washington):										
Douglas-fir	28,704	555.75	18,636	593.70	9,087	472.90	0	--	942	576.60
Hemlock	3,210	501.10	3,184	501.19	0	--	0	--	26	490.46
Spruce	189	517.11	189	517.11	0	--	0	--	0	--
Other softwoods	1,009	738.47	954	739.22	0	--	0	--	56	725.70
All softwoods	33,110	555.80	22,962	586.29	9,087	472.90	0	--	1,024	582.52
Portland:										
Douglas-fir	93,210	644.17	83,267	662.00	8,534	464.63	596	475.75	802	811.75
Port-Orford-cedar	665	1,736.40	36	1,743.36	0	--	0	--	628	1,735.99
Redcedar	123	813.28	72	794.49	0	--	0	--	0	--
Hemlock	26,367	456.60	11,127	573.37	0	--	15,091	372.04	149	302.00
Spruce	1,003	426.09	17	2,060.24	0	--	987	398.67	0	--
Other softwoods	8,578	580.94	8,275	583.83	0	--	17	464.62	279	472.28
All softwoods	129,946	606.00	102,794	646.82	8,534	464.63	16,691	377.41	1,858	1,032.38
All hardwoods	964	755.88	310	946.36	0	--	102	1,905.46	77	692.22
Total:										
Douglas-fir	143,818	625.49	123,735	647.28	17,621	468.90	596	475.75	1,744	684.74
Port-Orford-cedar	2,505	2,825.13	1,877	3,189.76	0	--	0	--	628	1,735.99
Redcedar	123	813.28	72	794.49	0	--	0	--	0	--
Hemlock	40,358	459.42	15,495	550.56	0	--	24,688	403.14	175	330.24
Spruce	1,211	439.50	224	619.09	0	--	987	398.67	0	--
Other softwoods	9,944	614.70	9,547	614.54	0	--	17	464.62	335	514.55
All softwoods	197,958	617.90	150,949	666.92	17,621	468.90	26,288	404.66	2,882	872.55
All hardwoods	964	755.88	310	946.36	0	--	102	1,905.46	77	692.22

Source: U.S. Department of Commerce.

**Table 32--Volume and average value of log exports by port, species, and destination,
San Francisco Customs District, 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	9,417	647.61	3,090	1,004.76	5,912	459.26	415	671.35	0	--
Hemlock	248	369.18	248	369.18	0	--	0	--	0	--
Spruce	2,043	526.11	590	404.85	0	--	1,453	575.36	0	--
Other softwoods	5,026	549.84	5,026	549.84	0	--	0	--	0	--
All softwoods	16,733	599.29	8,954	692.28	5,912	459.26	1,868	596.69	0	--
Oakland:										
Douglas-fir	1,200	506.63	959	476.66	0	--	210	481.16	0	--
Port-Orford-cedar	41	3,092.69	0	--	0	--	41	3,092.69	0	--
Redcedar	21	507.36	21	507.36	0	--	0	--	0	--
Hemlock	29	375.78	0	--	0	--	0	--	0	--
Other softwoods	9,650	673.84	1,848	677.70	0	--	1,799	511.55	210	489.61
All softwoods	10,948	662.87	2,828	608.23	0	--	2,049	559.62	210	489.61
Hardwoods	6,991	1,572.06	2,642	1,612.70	0	--	207	1,271.14	47	2,331.36
Sacramento:										
Douglas-fir	14,662	489.81	12,416	496.14	0	--	2,246	454.84	0	--
Redcedar	1,483	507.37	1,483	507.37	0	--	0	--	0	--
Other softwoods	41,032	508.52	25,439	543.05	8,174	447.97	7,418	456.83	0	--
All softwoods	57,176	503.69	39,338	526.90	8,174	447.97	9,665	456.37	0	--
San Francisco:										
Hemlock	72	375.54	72	375.54	0	--	0	--	0	--
Other softwoods	4,150	507.60	4,150	507.60	0	--	0	--	0	--
All softwoods	4,222	505.36	4,222	505.36	0	--	0	--	0	--
Hardwoods	292	1,289.80	224	1,025.66	0	--	0	--	57	2,311.36
Other ports: ^a										
Other softwoods	19,317	459.08	14,641	465.82	4,669	437.92	8	467.39	0	--
Total:										
Douglas-fir	25,287	549.21	16,465	590.46	5,912	459.26	2,871	488.06	0	--
Port-Orford-cedar	41	3,092.69	0	--	0	--	41	3,092.69	0	--
Redcedar	1,504	507.37	1,504	507.37	0	--	0	--	0	--
Hemlock	348	371.03	319	370.61	0	--	0	--	0	--
Spruce	2,043	526.11	590	404.85	0	--	1,453	575.36	0	--
Other softwoods	79,176	519.18	51,104	523.58	12,843	444.31	9,224	467.51	210	489.61
All softwoods	108,397	526.64	69,982	537.27	18,755	449.02	13,588	491.23	210	489.61
Hardwoods	7,283	1,560.73	2,866	1,566.76	0	--	207	1,271.14	104	2,320.45

^a Richmond, San Francisco International Airport, and Stockton.

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 1991**

(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
Oakland:										
Douglas-fir	7	1,331.55	0	--	0	--	0	--	0	--
Other softwoods	748	466.57	0	--	0	--	0	--	0	--
All softwoods	755	474.91	0	--	0	--	0	--	0	--
Sacramento:										
Douglas-fir	4,774	479.66	4,774	479.66	0	--	0	--	0	--
Other softwoods	5,160	438.20	5,160	438.20	0	--	0	--	0	--
All softwoods	9,934	458.12	9,934	458.12	0	--	0	--	0	--
San Francisco:										
Other softwoods	37	379.96	37	379.96	0	--	0	--	0	--
Total:										
Douglas-fir	4,781	480.96	4,774	479.66	0	--	0	--	0	--
Other softwoods	5,946	441.40	5,198	437.78	0	--	0	--	0	--
All softwoods	10,727	459.03	9,972	457.83	0	--	0	--	0	--

Source: U.S. Department of Commerce.

**Table 34--Volume and average value of log exports by port, species, and destination,
Anchorage Customs District, 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	20,437	511.35	17,518	476.58	1,326	413.04	1,593	975.58	0	--
Spruce	74,456	736.01	68,840	733.57	0	--	5,101	756.04	0	--
Other softwoods	1,032	537.03	1,032	537.03	0	--	0	--	0	--
All softwoods	95,925	686.00	87,389	679.73	1,326	413.04	6,693	808.28	0	--
Dalton Cache:										
Redcedar	5,422	494.72	2,842	471.31	0	--	0	--	0	--
Hemlock	2,253	297.38	35	378.13	0	--	2,132	279.02	0	--
Spruce	4,201	380.84	3,367	419.98	0	--	0	--	0	--
Other softwoods	952	1,240.25	952	1,240.25	0	--	0	--	0	--
All softwoods	12,829	478.11	7,196	548.60	0	--	2,132	279.02	0	--
Juneau:										
Hemlock	22,011	439.51	13,719	495.19	0	--	6,618	339.77	0	--
Spruce	18,116	551.65	16,600	546.30	0	--	445	398.62	0	--
All softwoods	40,126	490.14	30,318	523.17	0	--	7,063	343.47	0	--
Ketchikan:										
Redcedar	54,463	434.99	24,923	439.64	0	--	24,529	420.02	2,418	499.14
Hemlock	205,440	455.38	139,927	481.09	1,973	558.98	59,018	390.14	0	--
Spruce	116,561	859.85	110,886	859.99	864	797.65	1,803	794.46	149	399.00
Other softwoods	36,680	663.16	35,448	656.74	0	--	0	--	75	379.64
All softwoods	413,143	585.25	311,184	632.79	2,837	631.63	85,350	407.27	2,642	490.10
Hardwoods	7	1,400.37	0	--	0	--	0	--	7	1,400.37
Wrangell:										
Redcedar	2,725	416.38	713	355.74	0	--	2,011	437.88	0	--
Hemlock	1,360	442.98	0	--	0	--	1,360	442.98	0	--
Other softwoods	2,490	668.33	2,490	668.33	0	--	0	--	0	--
All softwoods	6,575	517.30	3,203	598.72	0	--	3,372	439.94	0	--
Total:										
Redcedar	62,609	439.35	28,479	440.70	0	--	26,541	421.37	2,418	499.14
Hemlock	251,500	457.05	171,199	481.74	3,299	500.33	70,721	396.28	0	--
Spruce	213,334	781.02	199,692	782.91	864	797.65	7,348	743.84	149	399.00
Other softwoods	41,154	673.66	39,922	668.29	0	--	0	--	75	379.64
All softwoods	568,597	592.33	439,291	632.94	4,163	562.01	104,610	427.06	2,642	490.10
Hardwoods	7	1,400.37	0	--	0	--	0	--	7	1,400.37

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 1991**

(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	20,072	517.37	11,996	610.58	0	--	7,381	385.29	0	--
Spruce	33,595	691.26	24,497	681.49	7,360	685.28	1,355	774.74	0	--
All softwoods	53,667	626.22	36,493	658.18	7,360	685.28	8,736	445.67	0	--
Dalton Cache:										
Redcedar	3,741	174.83	0	--	0	--	0	--	0	--
Hemlock	179	472.63	179	472.63	0	--	0	--	0	--
Spruce	1,734	553.11	1,734	553.11	0	--	0	--	0	--
All softwoods	5,653	300.26	1,913	545.58	0	--	0	--	0	--
Juneau:										
Hemlock	5,201	315.29	2,866	402.23	0	--	0	--	2,336	208.62
Spruce	2,574	719.52	2,574	719.52	0	--	0	--	0	--
All softwoods	7,775	449.13	5,440	552.39	0	--	0	--	2,336	208.62
Ketchikan:										
Redcedar	11,769	496.05	5,156	560.04	0	--	4,894	408.41	1,719	553.60
Hemlock	41,304	389.75	25,309	468.81	0	--	13,368	271.90	2,627	227.87
Spruce	24,602	858.51	22,052	871.78	0	--	905	395.90	0	--
Other softwoods	8,485	689.70	7,697	683.78	0	--	0	--	0	--
All softwoods	86,160	567.66	60,214	651.68	0	--	19,167	312.61	4,346	356.70
Wrangell:										
Redcedar	397	377.50	0	--	0	--	0	--	0	--
Hemlock	1,628	582.11	0	--	0	--	1,628	582.11	0	--
Spruce	187	906.36	0	--	0	--	187	906.36	0	--
All softwoods	2,212	572.70	0	--	0	--	1,815	615.43	0	--
Total:										
Redcedar	15,907	417.55	5,156	560.04	0	--	4,894	408.41	1,719	553.60
Hemlock	68,385	426.34	40,349	506.25	0	--	22,378	331.87	4,963	218.81
Spruce	62,691	754.87	50,857	761.55	7,360	685.28	2,446	644.58	0	--
Other softwoods	8,485	689.70	7,697	683.78	0	--	0	--	0	--
All softwoods	155,468	572.29	104,059	645.82	7,360	685.28	29,718	370.22	6,682	304.94

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, 1980-91

(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								
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	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	6,017	1,261.92	1,178	1,229.20	0	--	1,674	1,663.08
1990 total	32,940	1,007.53	3,613	1,071.69	7	1,285.71	7,280	1,560.85
1991:								
1st quarter	13,279	1,039.01	1,751	1,058.25	0	--	2,534	1,658.64
2d quarter	13,407	955.02	2,180	1,073.85	0	--	1,186	1,428.33
3d quarter	4,193	942.52	964	756.22	0	--	518	1,527.36
4th quarter								
1991 total								
TO JAPAN								
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	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	3,032	1,424.47	910	1,354.95	0	--	993	1,575.03
1990 total	15,417	1,107.35	2,064	1,466.57	7	1,285.71	2,867	1,566.45
1991:								
1st quarter	5,929	1,466.01	1,064	1,224.62	0	--	852	1,826.29
2d quarter	5,017	1,291.61	1,182	1,580.37	0	--	440	1,859.09
3d quarter	992	1,047.38	310	945.16	0	--	245	1,697.96
4th quarter								
1991 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	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	8	1,375.00	0	--	0	--	0	--
1990 total	8	1,375.00	0	--	0	--	0	--
1991:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	4	2,000.00	0	--	0	--	0	--
4th quarter								
1991 total								

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

Table 37--Volume and average value of alder log exports from the Seattle Customs District, 1990-91

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

Year and quarter	Destination							
	All countries		Japan		South Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1990:								
1st quarter	2,085	475.30	1,361	491.55	680	423.53	44	772.73
2d quarter	2,402	329.73	531	598.87	1,584	229.80	266	345.86
3d quarter	706	567.99	129	713.18	263	532.32	314	538.22
4th quarter	1,155	367.97	181	740.33	163	337.42	758	230.87
1990 total	6,347	411.22	2,202	550.86	2,689	315.36	1,382	340.09
1991:								
1st quarter	2,601	339.48	573	726.00	1,966	211.09	62	822.58
2d quarter	2,210	437.56	817	532.44	1,186	313.66	158	518.99
3d quarter	545	579.82	264	912.88	0	--	248	189.52
4th quarter								
1991 total								

Source: U.S. Department of Commerce.

Table 38--Volume and average value of log exports from southern California ports by species, 1980-91

(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
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	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	1,328	1,442.02	25	440.00	416	685.10	887	1,825.25
1990 total	13,434	1,230.83	36	444.44	4,322	576.35	9,076	1,545.61
1991:								
1st quarter	1,304	1,273.01	0	--	673	604.69	631	1,984.65
2d quarter	2,213	1,149.12	10	503.52	757	697.49	1,446	1,390.04
3d quarter	2,065	1,064.89	17	647.06	398	841.71	1,650	1,129.70
4th quarter								
1991 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 39--Volume and average value of softwood log exports to Canada from the Great Falls Customs District, 1980-91^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
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	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	24	416.67	24	416.67	0	--
1990 total and average value	219	342.47	115	460.87	104	211.54
1991:						
1st quarter	19	411.82	0	--	19	411.82
2d quarter	23	304.35	0	--	23	304.35
3d quarter	464	237.07	407	235.87	57	245.61
4th quarter						
1991 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 40--Volume of log exports from British Columbia ports by species and destination, 1980-90^a

(In thousand board feet, British Columbia log scale)

Year	Total All species	Douglas- fir	Hemlock	Cedar	Spruce	Other Softwoods	Hardwoods
TO ALL COUNTRIES							
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	177,528	4,592	104,437	4,194	39,934	17,307	7,064
TO JAPAN							
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	157,616	2,053	99,205	3,775	38,896	13,046	640
TO UNITED STATES							
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	8,389	2,517	1,258	177	706	3,687	44
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	0	0	0	0	0	0	0

^a Does not include shipments of pulpwood logs.

^b Does not include all hardwoods.

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

Table 41--Average value of log exports from British Columbia ports by species and destination, 1985-90^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, B.C., "Canadian Exports Cleared Through B.C. Custom Ports."

Table 42--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1980-91

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

Year and quarter	Volume	Average value
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	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	611	471.36
1990 total and average value	8,142	323.38
1991:		
1st quarter	15,471	323.63
2d quarter	215	854.02
3d quarter	1,397	550.47
4th quarter		
1991 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 43--Volume and average value of pulpwood imports from Canada into the Seattle Customs District, 1980-91

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Average value	Volume	Average value
	Short tons ^a	Dollars	Cords ^b	Dollars
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	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	168,278	29.81	0	--
1990 total and average value	682,264	30.18	0	--
1991:				
1st quarter	138,329	29.00	0	--
2d quarter	188,140	33.54	0	--
3d quarter	163,486	35.92	0	--
4th quarter				
1991 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.

Table 44--Volume of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1980-91

(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								
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	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	29.4	101.5	.1	33.9	62.0	8.2	0.0	92.0
1990 total	136.9	409.9	.3	131.8	274.7	43.8	.4	356.4
1991:								
1st quarter	28.3	91.6	0.0	45.0	70.5	8.4	2.9	95.4
2d quarter	29.3	125.1	1.2	39.1	73.2	2.3	3.2	98.7
3d quarter	26.7	61.3	.6	27.2	39.7	1.3	1.8	60.8
4th quarter								
1991 total								
TO JAPAN								
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	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	13.1	22.6	.1	12.2	27.5	3.6	0.0	44.2
1990 total	49.0	77.5	.1	58.4	92.5	18.6	.4	154.2
1991:								
1st quarter	11.5	21.8	0.0	16.4	27.6	2.0	2.9	35.5
2d quarter	10.3	30.2	.5	16.6	26.5	2.1	2.7	43.1
3d quarter	11.2	14.7	0.0	4.0	12.8	1.3	1.8	13.1
4th quarter								
1991 total								

Table 44--Volume of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1980-91 (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								
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	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	1.9	24.8	0.0	4.5	0.0	2.8	0.0	13.8
1990 total	9.0	110.0	0.0	15.8	0.0	13.2	0.0	72.9
1991:								
1st quarter	.1	27.9	0.0	6.7	0.0	1.9	0.0	21.4
2d quarter	1.6	34.3	0.0	4.0	0.0	.2	0.0	17.8
3d quarter	1.3	19.3	0.0	3.4	0.0	0.0	0.0	10.8
4th quarter								
1991 total								
TO WESTERN EUROPE								
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	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	.1	7.4	2.0	.2	.1	18.4
3d quarter	10.9	14.0	.1	9.0	3.7	0.0	0.0	12.8
4th quarter	9.1	11.2	0.0	12.6	1.6	0.0	0.0	26.1
1990 total	52.9	54.8	.2	44.0	10.2	1.3	.1	90.8
1991:								
1st quarter	11.9	13.9	0.0	20.2	1.2	0.0	0.0	18.1
2d quarter	12.8	16.7	.1	13.8	2.9	0.0	.5	27.2
3d quarter	9.3	7.5	0.0	16.5	4.1	0.0	0.0	25.5
4th quarter								
1991 total								

Source: U.S. Department of Commerce.

Table 45--Average value of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1980-91

(Value in dollars per 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								
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	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	663.57	483.58	777.81	575.81	594.18	411.59	--	538.08
1990 average	691.59	503.66	797.78	573.57	624.88	458.11	785.00	581.64
1991:								
1st quarter	719.58	457.16	--	545.78	557.70	412.98	795.52	491.72
2d quarter	726.36	447.56	650.43	495.83	570.98	463.08	762.32	480.49
3d quarter	722.77	431.65	346.67	406.95	566.93	413.08	735.00	412.91
4th quarter								
1991 average								
TO JAPAN								
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	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	741.60	564.12	960.00	567.38	637.71	507.22	--	550.50
1990 average	763.51	591.60	960.00	537.55	671.57	490.81	801.62	598.37
1991:								
1st quarter	768.43	524.40	--	501.16	649.06	494.50	795.52	519.58
2d quarter	783.08	505.62	859.49	476.04	617.44	461.13	772.39	491.64
3d quarter	764.11	513.27	--	440.50	611.48	413.08	735.00	403.82
4th quarter								
1991 average								

Table 45--Average value of pulp exports by selected grades from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1980-91 (continued)

(Value in dollars per 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								
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	586.99	471.83	--	555.22	--	558.07	380.95	622.67
1989	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	638.42	420.16	--	474.89	--	391.79	--	467.61
1990 average	718.22	426.73	--	474.81	--	444.77	--	534.47
1991:								
1st quarter	560.00	367.92	--	398.51	--	394.21	--	459.49
2d quarter	668.31	371.06	--	384.09	--	483.63	--	448.81
3d quarter	626.15	326.22	--	347.94	--	--	--	376.48
4th quarter								
1991 average								
TO WESTERN EUROPE								
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	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	583.41	596.07	--	595.79	658.13	--	--	568.28
1990 average	626.75	614.01	808.00	639.75	671.18	246.92	453.72	627.00
1991:								
1st quarter	683.45	485.90	--	597.97	623.33	--	--	528.95
2d quarter	676.42	483.39	769.76	524.60	568.44	--	705.91	510.03
3d quarter	728.07	469.73	--	405.09	549.76	--	--	432.08
4th quarter								
1991 average								

Source: U.S. Department of Commerce.

Table 46--Volume and average value of chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1980-91

(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
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	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	170,224	95.72	497,876	90.31	100,166	95.05	8,265	86.15
1990 total and average value	744,397	95.51	2,081,199	95.84	412,625	98.42	28,283	75.38
1991:								
1st quarter	225,541	98.41	498,680	101.39	106,740	98.73	61,692	60.46
2d quarter	120,991	103.30	550,492	103.02	116,751	102.25	13,214	111.02
3d quarter	154,151	106.01	585,496	107.71	100,506	103.71	13,561	100.95
4th quarter								
1991 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 47--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91^a

(In thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO ALL COUNTRIES												
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	1,944,049	946,438	536,438	461,071	1,002,337	348,094	366,319	287,923	941,712	598,447	170,119	173,148
1990:												
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.	367,258	163,978	100,600	102,680	206,861	62,848	72,868	71,145	160,397	101,130	27,732	31,535
1990 total	1,579,283	742,779	402,129	434,375	886,188	300,135	292,547	293,507	693,095	442,644	109,582	140,868
1991:												
1st qtr.	406,958	201,356	109,054	96,548	201,615	69,139	67,823	64,653	205,343	132,217	41,231	31,895
2d qtr.	384,789	197,740	100,256	86,793	215,645	78,336	68,231	69,078	169,144	119,404	32,025	17,715
3d qtr.	311,620	158,071	87,209	66,340	175,784	61,783	66,992	47,009	135,836	96,288	20,217	19,331
4th qtr.												
1991 total												
TO JAPAN												
1980	362,458	53,084	249,729	59,645	269,406	26,428	199,237	43,741	93,052	26,656	50,492	15,904
1981	312,232	55,479	206,837	49,916	189,547	25,966	128,307	35,274	122,685	29,513	78,530	14,642
1982	414,221	94,161	260,844	59,216	283,500	41,819	201,775	39,906	130,721	52,342	59,069	19,310
1983	448,042	113,869	254,524	79,649	315,750	57,802	191,152	66,796	132,292	56,067	63,372	12,853
1984	414,272	99,847	229,242	85,183	246,218	45,966	141,411	58,841	168,054	53,881	87,831	26,342
1985	472,120	97,528	281,675	92,917	266,871	30,930	172,205	63,736	205,249	66,598	109,470	29,181
1986	672,409	129,385	424,528	118,496	497,508	78,111	329,745	89,652	174,901	51,274	94,783	28,844
1987	850,983	182,183	515,910	152,890	679,225	136,993	427,089	115,143	171,758	45,190	88,821	37,747
1988	1,030,664	284,807	526,639	219,218	695,784	167,362	372,557	155,865	334,880	117,445	154,082	63,353
1989	1,090,252	375,955	492,278	222,019	691,984	206,625	331,889	153,470	398,268	169,330	160,389	68,550
1990:												
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.	206,597	63,314	94,566	48,717	142,478	35,998	67,520	38,960	64,119	27,316	27,046	9,757
1990 total	867,738	284,288	369,605	213,844	587,367	157,198	264,835	165,334	280,371	127,090	104,770	48,510
1991:												
1st qtr.	244,778	91,281	102,617	50,880	139,809	42,203	62,136	35,470	104,969	49,078	40,481	15,410
2d qtr.	223,572	79,036	92,764	51,772	142,964	41,019	62,773	39,172	80,608	38,017	29,991	12,600
3d qtr.	181,602	61,635	79,005	40,962	122,017	35,021	60,063	26,933	59,585	26,614	18,942	14,029
4th qtr.												
1991 total												

Table 47--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91^a (continued)

(In thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO CANADA												
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	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.	38,635	19,925	2,505	16,205	38,635	19,925	2,505	16,205	0	0	0	0
1990 total	207,397	110,752	16,086	80,559	207,397	110,752	16,086	80,559	0	0	0	0
1991:												
1st qtr.	34,323	18,074	2,820	13,429	34,323	18,074	2,820	13,429	0	0	0	0
2d qtr.	44,036	28,674	2,035	13,327	44,036	28,674	2,035	13,327	0	0	0	0
3d qtr.	35,002	21,773	2,083	11,146	35,002	21,773	2,083	11,146	0	0	0	0
4th qtr.												
1991 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	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.	154	0	154	0	154	0	154	0	0	0	0	0
1990 total	4,580	0	162	4,418	363	0	162	201	4,217	0	0	4,217
1991:												
1st qtr.	7	0	0	7	7	0	0	7	0	0	0	0
2d qtr.	162	0	0	162	162	0	0	162	0	0	0	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.												
1991 total												

^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.

Figure 4--Lumber exports from Seattle and Columbia-Snake Customs Districts, 1980-90

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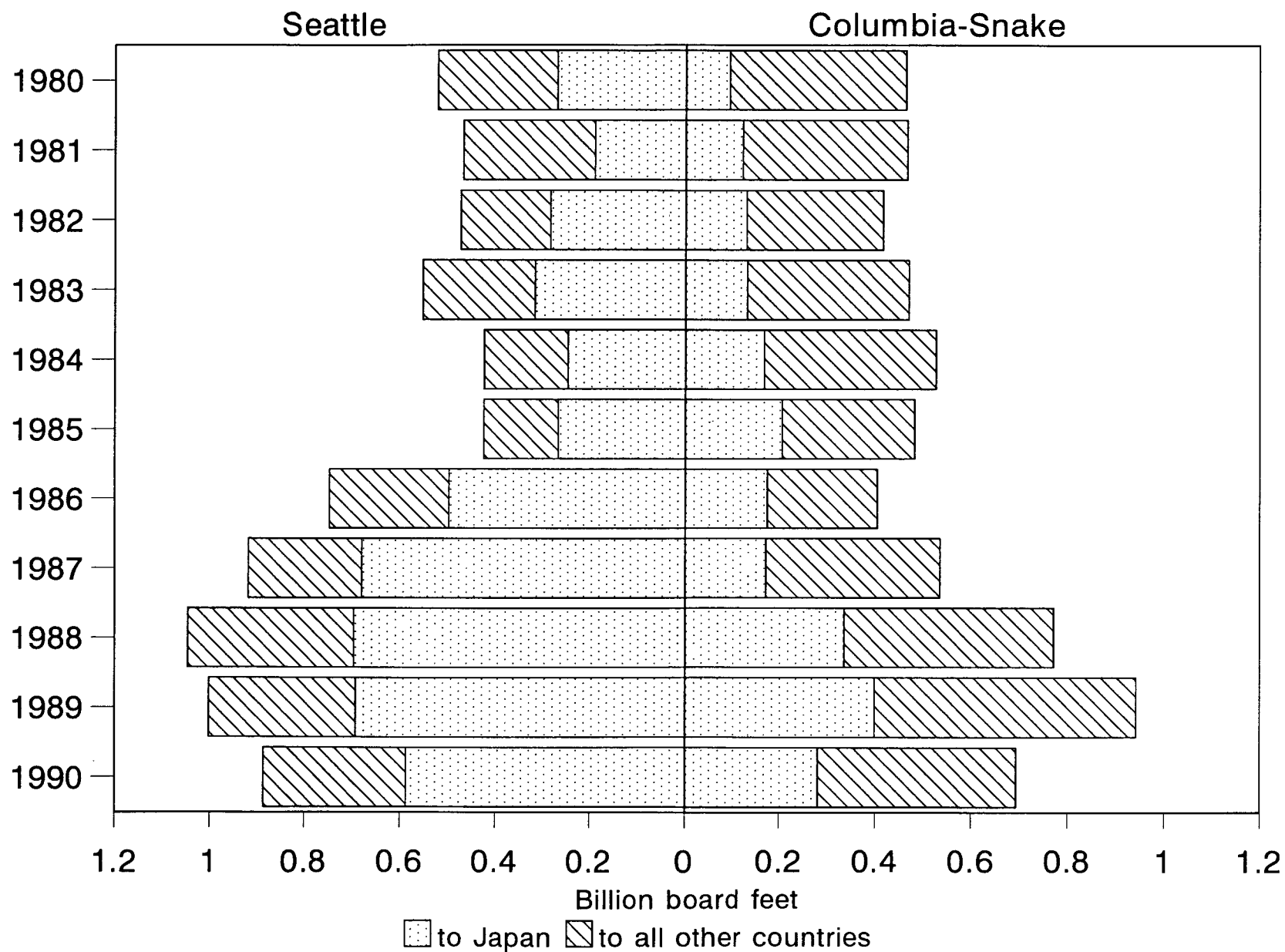


Table 48--Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91^a

(In thousands of dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO ALL COUNTRIES												
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	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.	176,893	89,533	42,866	44,494	87,613	27,125	31,096	29,392	89,280	62,408	11,770	15,102
1990 total	768,650	409,866	170,927	187,857	376,309	130,918	121,773	123,618	392,341	278,948	49,154	64,239
1991:												
1st qtr.	197,349	110,297	46,229	40,823	88,757	31,439	28,678	28,640	108,592	78,858	17,551	12,183
2d qtr.	195,748	112,868	43,625	39,255	95,034	36,687	29,285	29,062	100,714	76,181	14,340	10,193
3d qtr.	161,520	91,471	37,337	32,712	79,630	29,667	28,183	21,780	81,890	61,804	9,154	10,932
4th qtr.												
1991 total												
TO JAPAN												
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	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.	90,727	27,905	40,364	22,458	61,134	15,629	28,824	16,681	29,593	12,276	11,540	5,777
1990 total	382,963	126,576	156,635	99,751	250,943	69,069	109,698	72,176	132,020	57,507	46,937	27,575
1991:												
1st qtr.	110,430	41,226	43,451	25,753	61,365	18,630	26,207	16,528	49,065	22,596	17,244	9,225
2d qtr.	101,244	35,905	40,581	24,758	61,985	17,679	26,966	17,340	39,259	18,226	13,615	7,418
3d qtr.	82,839	27,762	34,177	20,900	54,740	16,382	25,608	12,750	28,099	11,380	8,569	8,150
4th qtr.												
1991 total												

Table 48--Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91^a (continued)

(In thousands of dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO CANADA												
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	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.	13,784	7,203	1,102	5,479	13,784	7,203	1,102	5,479	--	--	--	--
1990 total	78,744	41,888	6,909	29,947	78,744	41,888	6,909	29,947	--	--	--	--
1991:												
1st qtr.	14,625	8,234	1,149	5,242	14,625	8,234	1,149	5,242	--	--	--	--
2d qtr.	19,590	13,693	980	4,917	19,590	13,693	980	4,917	--	--	--	--
3d qtr.	15,703	10,530	759	4,414	15,703	10,530	759	4,414	--	--	--	--
4th qtr.												
1991 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	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.	57	--	57	--	57	--	57	--	--	--	--	--
1990 total	1,936	--	60	1,876	120	--	60	60	1,816	--	--	1,816
1991:												
1st qtr.	14	--	--	14	14	--	--	14	--	--	--	--
2d qtr.	69	--	--	69	69	--	--	69	--	--	--	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.												
1991 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 49--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91^a

(In dollars per thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO ALL COUNTRIES												
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	429.87	448.10	411.67	409.95	364.37	302.90	403.99	408.18	506.07	555.17	428.19	412.88
1990:												
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.	465.83	570.27	414.21	423.48	414.49	435.77	398.58	408.47	588.96	681.03	461.32	452.61
4th qtr.	481.66	546.01	426.10	433.33	423.54	431.60	426.74	413.13	556.62	617.11	424.42	478.90
1990 average	486.71	551.80	425.06	432.48	424.64	436.20	416.25	421.18	566.07	630.19	448.56	456.02
1991:												
1st qtr.	484.89	547.77	423.91	422.83	440.23	454.72	422.84	442.98	528.83	596.43	425.67	381.97
2d qtr.	508.72	570.79	435.14	452.28	440.70	468.33	429.20	420.71	595.43	638.01	447.78	575.39
3d qtr.	518.32	578.67	428.13	493.10	453.00	480.18	420.69	463.32	602.86	641.87	452.79	565.52
4th qtr.												
1991 average												
TO JAPAN												
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	381.14	322.46	413.36	433.71	349.60	249.85	407.32	419.66	443.32	451.02	425.86	465.15
1990:												
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.	439.15	440.70	426.83	460.99	429.08	434.16	426.90	428.16	461.53	449.41	426.68	592.09
1990 average	441.33	445.24	423.79	466.47	427.23	439.38	414.21	436.55	470.88	452.49	448.00	568.44
1991:												
1st qtr.	451.14	451.64	423.43	506.15	438.92	441.44	421.77	465.97	467.42	460.41	425.98	598.64
2d qtr.	452.85	454.29	437.46	478.21	433.57	431.00	429.58	442.66	487.04	479.42	453.97	588.73
3d qtr.	456.16	450.43	432.59	510.23	448.63	467.78	426.35	473.40	471.58	427.59	452.38	580.94
4th qtr.												
1991 average												

Table 49--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1980-91^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												
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	335.26	277.22	285.03	286.43	335.28	277.22	--	--	--	--
1985	266.13	297.82	342.38	230.43	266.09	297.74	342.38	230.43	590.00	590.00	--	--
1986	268.74	324.25	334.44	220.66	268.74	324.25	334.44	220.66	--	--	--	--
1987	278.27	336.66	355.65	231.25	278.27	336.66	355.65	231.25	--	--	--	--
1988	324.13	354.08	350.05	289.72	324.13	354.08	350.05	289.72	--	--	--	--
1989	364.72	389.50	360.04	337.73	364.72	389.50	360.04	337.73	--	--	--	--
1990:												
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.	356.77	361.51	439.92	338.11	356.77	361.51	439.92	338.11	--	--	--	--
1990 average	379.68	378.21	429.50	371.74	379.68	378.21	429.50	371.74	--	--	--	--
1991:												
1st qtr.	426.10	455.57	407.45	390.35	426.10	455.57	407.45	390.35	--	--	--	--
2d qtr.	444.86	477.54	481.57	368.95	444.86	477.54	481.57	368.95	--	--	--	--
3d qtr.	448.63	483.63	364.38	396.02	448.63	483.63	364.38	396.02	--	--	--	--
4th qtr.												
1991 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	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.	370.13	--	370.13	--	370.13	--	370.13	--	--	--	--	--
1990 average	422.71	--	370.37	424.63	330.58	--	370.37	298.51	430.64	--	--	430.64
1991:												
1st qtr.	2,000.00	--	--	2,000.00	2,000.00	--	--	2,000.00	--	--	--	--
2d qtr.	425.93	--	--	425.93	425.93	--	--	425.93	--	--	--	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.												
1991 average												

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

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

Table 50--Volume and average value of softwood lumber exports from southern California ports by species and destination, 1980-91^a

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

Year and quarter	Total		Douglas-fir		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES						
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	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	99,439	272.76	7,495	304.34	91,944	270.19
1990 total and average value	335,646	320.29	17,056	327.16	318,590	319.92
1991:						
1st quarter	100,298	262.22	4,476	348.75	95,822	258.18
2d quarter	147,153	233.66	6,831	321.62	140,322	229.38
3d quarter	152,998	242.85	7,119	306.08	145,879	239.76
4th quarter						
1991 total and average value						
TO JAPAN						
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	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	3,024	427.25	196	428.57	2,828	427.16
1990 total and average value	11,765	423.88	725	384.83	11,040	426.45
1991:						
1st quarter	2,733	402.85	35	342.86	2,698	403.63
2d quarter	1,890	459.26	50	600.00	1,840	455.43
3d quarter	1,865	437.00	0	--	1,865	437.00
4th quarter						
1991 total and average value						

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

Source: U.S. Department of Commerce.

Table 51--Volume and average value of softwood lumber exports from northern California ports by species and destination, 1980-91^a

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

Year and quarter	Total		Douglas-fir		Western hemlock		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
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	74,568	550.02	7,268	595.21	11,977	672.96	55,323	517.47
1991:								
1st quarter	28,867	416.50	1,494	537.48	4,705	552.39	22,668	380.32
2d quarter	25,433	475.41	2,768	601.52	6,014	532.59	16,651	433.79
3d quarter	32,567	419.04	3,943	493.28	5,769	541.00	22,855	375.45
4th quarter								
1991 total and average value								
TO JAPAN								
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	51,810	509.82	926	605.83	11,769	674.48	39,115	458.01
1991:								
1st quarter	15,520	486.34	96	750.00	4,705	552.39	10,719	454.99
2d quarter	13,707	538.92	875	568.00	6,007	532.71	6,825	540.66
3d quarter	13,663	492.64	2,806	346.40	5,769	541.00	5,088	518.48
4th quarter								
1991 total and average value								
TO PEOPLE'S REPUBLIC OF CHINA								
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	0	--	0	--	0	--	0	--
1991:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter								
1991 total and average value								

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

Source: U.S. Department of Commerce.

Figure 5--Lumber exports from San Francisco and Anchorage Customs Districts, 1980-90

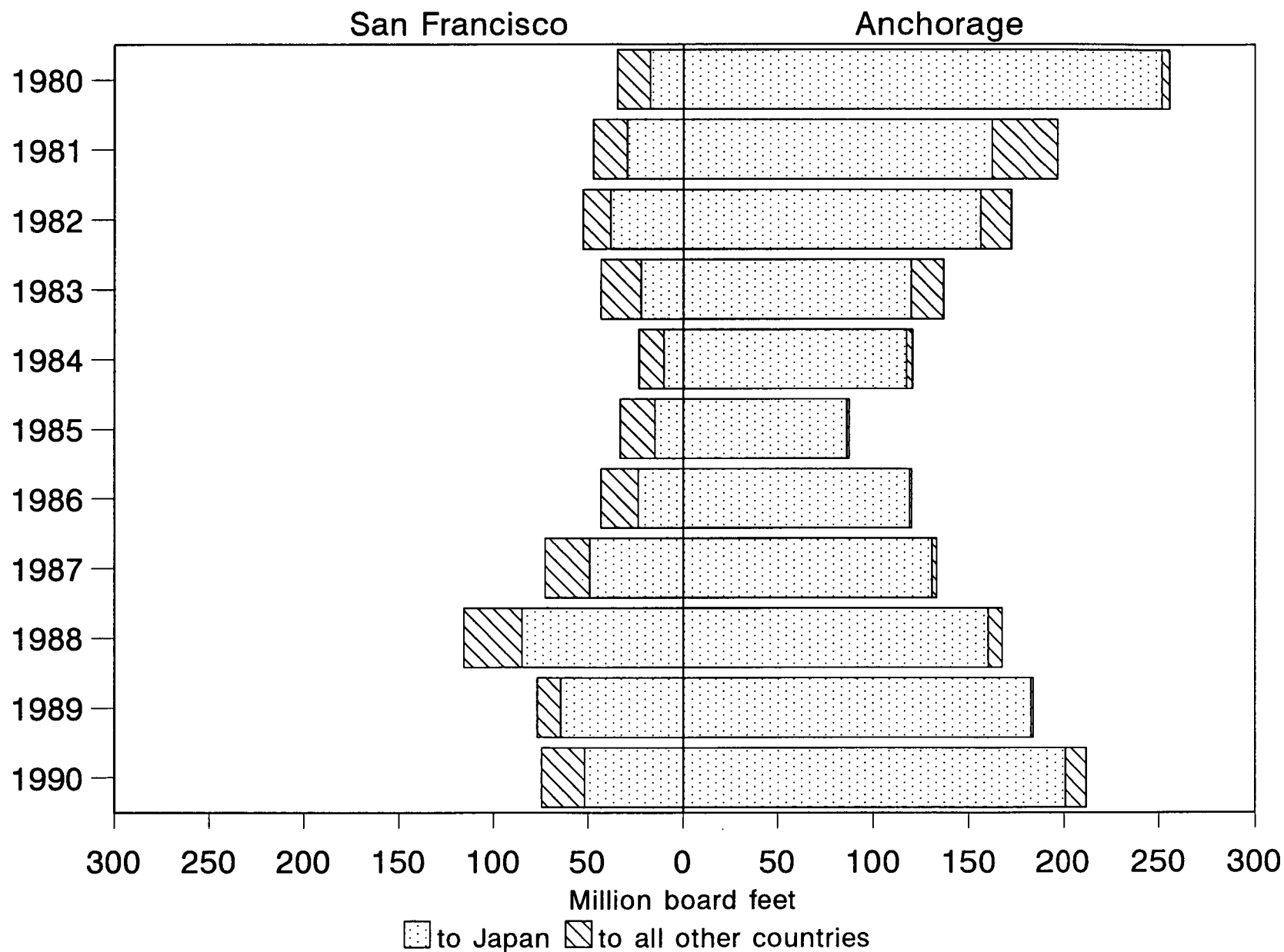


Table 52--Volume and average value of softwood lumber exports from Anchorage Customs District by species and destination, 1980-91

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

Year and quarter	Total		Western hemlock		Sitka spruce		Cedar		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES										
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	212,010	397.56	119,231	364.44	87,776	453.14	5,002	211.72	0	--
1991:										
1st quarter	48,136	406.27	28,737	329.89	19,193	523.26	206	160.19	0	--
2d quarter	47,050	419.89	29,414	373.69	16,918	502.48	0	--	718	366.63
3d quarter	37,699	371.50	16,663	391.53	18,475	354.59	669	375.19	1,892	358.88
4th quarter										
1991 total and average value										
TO JAPAN										
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	200,689	400.65	114,227	369.54	85,322	442.51	1,140	384.21	0	--
1991:										
1st quarter	45,387	406.97	27,293	331.26	18,904	498.84	0	--	0	--
2d quarter	42,189	429.81	26,993	389.74	14,478	507.67	0	--	718	366.63
3d quarter	37,479	371.33	16,443	391.41	18,475	354.59	669	375.19	1,892	358.88
4th quarter										
1991 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	0	--	0	--	0	--	0	--	0	--
1991:										
1st quarter	0	--	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--	0	--
4th quarter										
1991 total and average value										

Source: U.S. Department of Commerce.

Table 53--Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, 1990

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Aberdeen-Hoquiam:										
Douglas-fir	844	640.66	844	640.66	0	--	0	--	0	--
Other firs	1,851	323.92	1,851	323.92	0	--	0	--	0	--
Cedars	145	1,042.62	145	1,042.62	0	--	0	--	0	--
Hemlock	4,616	417.02	4,316	425.32	0	--	300	297.36	0	--
Spruce	212	212.40	212	212.40	0	--	0	--	0	--
Other softwoods	68	545.88	49	598.02	0	--	0	--	19	415.51
All softwoods	7,736	426.41	7,417	431.65	0	--	300	297.36	19	415.51
Red alder	53	728.38	53	728.38	0	--	0	--	0	--
All hardwoods	1,355	856.97	1,355	856.97	0	--	0	--	0	--
Anacortes:										
All hardwoods	13	1,221.93	0	--	0	--	0	--	13	1,221.93
Everett:										
Douglas-fir	40	550.38	17	613.24	0	--	0	--	24	506.60
Cedars	17	1,445.50	17	1,445.50	0	--	0	--	0	--
Hemlock	502	370.07	502	370.07	0	--	0	--	0	--
All softwoods	559	415.64	536	411.61	0	--	0	--	24	506.60
Port Angeles:										
Douglas-fir	3,379	287.64	0	--	0	--	0	--	3,379	287.64
Other firs	484	312.20	0	--	0	--	0	--	484	312.20
Other softwoods	17	632.42	0	--	0	--	0	--	17	632.42
All softwoods	3,880	292.21	0	--	0	--	0	--	3,880	292.21
All hardwoods	34	611.83	8	812.89	0	--	0	--	26	553.46
Seattle:										
Douglas-fir	87,579	450.28	82,063	429.59	0	--	646	450.01	14	378.89
Other firs	71,617	353.57	69,108	351.29	201	299.24	175	274.74	0	--
Cedars	6,580	521.66	1,762	633.26	0	--	84	1,010.22	0	--
Hemlock	107,630	469.10	102,110	466.95	162	370.68	230	593.58	0	--
Spruce	12,037	584.48	6,219	354.43	0	--	4,583	958.06	72	340.24
Pines	23,891	559.85	21,180	563.79	0	--	0	--	0	--
Redwood	878	1,252.52	744	1,205.58	0	--	0	--	0	--
Other softwoods	21,458	424.53	14,101	436.64	0	--	202	542.90	11	1,128.17
All softwoods	331,671	450.14	297,287	435.69	363	331.08	5,919	854.87	97	438.71
Red alder	28,008	903.72	11,942	927.21	56	918.04	1,084	577.40	0	--
All hardwoods	54,121	1,019.74	33,058	1,089.82	56	918.04	3,192	927.83	0	--
Tacoma:^a										
Douglas-fir	76,600	445.56	71,867	445.56	0	--	8	351.39	0	--
Other firs	30,154	496.55	29,418	503.41	0	--	0	--	0	--
Cedars	3,222	699.78	2,566	705.67	0	--	25	195.76	0	--
Hemlock	151,605	379.37	150,383	379.50	0	--	130	303.84	0	--
Spruce	3,500	332.81	3,444	333.50	0	--	0	--	0	--
Pines	776	607.26	699	643.58	0	--	0	--	0	--
Redwood	2,743	534.07	2,490	509.80	0	--	0	--	0	--
Other softwoods	6,555	543.17	5,408	589.33	0	--	292	339.21	0	--
All softwoods	275,155	419.88	266,274	419.74	0	--	456	321.32	0	--
Red alder	6,858	645.35	4,560	711.64	0	--	38	525.10	0	--
All hardwoods	9,195	744.31	6,375	830.51	153	488.95	87	634.22	0	--

Table 53--Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, 1990 (continued)

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Other ports: ^b										
Douglas-fir	131,69	423.85	2,408	516.59	0	--	0	--	107,323	381.05
Other firs	25,147	320.00	2,561	276.36	0	--	114	435.61	13,063	322.67
Cedars	16,319	450.19	363	674.18	0	--	0	--	13,608	438.98
Hemlock	28,194	413.56	7,525	388.96	0	--	0	--	16,086	429.47
Spruce	5,307	292.08	1,356	209.76	0	--	0	--	3,758	326.47
Pines	17,006	391.34	347	339.12	0	--	0	--	16,082	394.01
Redwood	175	1,187.46	18	2,297.87	0	--	0	--	119	982.78
Other softwoods	40,764	367.25	2,089	430.49	0	--	0	--	30,085	368.89
All softwoods	264,606	401.56	16,666	387.99	0	--	114	435.61	200,125	383.62
Red alder	528	841.50	33	942.19	0	--	0	--	239	763.20
All hardwoods	12,304	1,170.25	100	1,001.62	0	--	0	--	11,493	1,185.43
Total:										
Douglas-fir	300,135	436.20	157,198	439.38	0	--	654	448.80	110,739	378.22
Other firs	129,254	379.81	102,939	392.41	201	299.24	289	338.28	13,547	322.29
Cedars	26,283	502.60	4,853	689.70	0	--	109	820.81	13,608	438.98
Hemlock	292,547	416.25	264,835	414.21	162	370.68	660	401.94	16,086	429.47
Spruce	21,056	465.21	11,230	327.87	0	--	4,583	958.06	3,830	326.73
Pines	41,673	491.97	22,225	562.80	0	--	0	--	16,082	394.01
Redwood	3,797	730.41	3,252	678.94	0	--	0	--	119	982.78
Other softwoods	68,863	402.09	21,647	474.55	0	--	494	422.43	30,133	369.36
All softwoods	883,607	425.25	588,179	427.05	363	331.08	6,788	787.42	204,145	381.92
Red alder	35,447	852.54	16,588	867.34	56	918.04	1,122	575.62	239	763.20
All hardwoods	77,022	1,007.89	40,894	1,041.42	209	602.97	3,278	920.05	11,532	1,184.03

^a Includes a small amount exported from the Port of Olympia.

^b Bellingham, Blaine, Boundary, Danville, Ferry, Frontier, Laurier, Lynden, Metaline Falls, Oroville, Sea-Tac Airport, and Sumas.

Source: U.S. Department of Commerce.

Table 54--Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, third quarter 1991

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Aberdeen-Hoquiam:										
Douglas-fir	1,797	407.77	1,797	407.77	0	--	0	--	0	--
Other firs	147	402.40	147	402.40	0	--	0	--	0	--
Cedars	209	914.99	28	1,666.30	0	--	181	799.14	0	--
Hemlock	5,007	360.25	3,357	409.46	0	--	1,650	260.08	0	--
Spruce	55	304.49	55	304.49	0	--	0	--	0	--
Pines	58	464.14	58	464.14	0	--	0	--	0	--
Other softwoods	272	867.79	272	867.79	0	--	0	--	0	--
All softwoods	7,546	406.50	5,715	436.30	0	--	1,831	313.48	0	--
Red alder	1,912	799.36	1,912	799.36	0	--	0	--	0	--
All hardwoods	2,466	880.15	2,466	880.15	0	--	0	--	0	--
Everett:										
All hardwoods	1,464	215.07	1,464	215.07	0	--	0	--	0	--
Port Angeles:										
Douglas-fir	119	597.88	0	--	0	--	0	--	119	597.88
Other firs	220	578.24	0	--	0	--	0	--	220	578.24
All softwoods	339	585.11	0	--	0	--	0	--	339	585.11
All hardwoods	19	605.88	0	--	0	--	0	--	19	605.88
Seattle:										
Douglas-fir	13,386	433.29	11,957	420.12	0	--	186	599.45	23	564.48
Other firs	3,817	417.68	3,470	426.20	0	--	0	--	0	--
Cedars	990	588.91	264	695.18	0	--	0	--	0	--
Hemlock	19,458	430.61	17,881	424.14	0	--	13	701.22	0	--
Spruce	1,163	705.48	408	716.06	0	--	495	961.37	0	--
Pines	4,791	582.30	4,325	563.43	0	--	0	--	0	--
Redwood	135	1,710.15	42	2,702.46	0	--	0	--	0	--
Other softwoods	5,890	426.38	2,539	270.88	0	--	172	299.36	0	--
All softwoods	49,630	457.55	40,886	435.34	0	--	867	748.12	23	564.48
Red alder	4,875	930.47	2,082	954.15	0	--	177	479.58	0	--
All hardwoods	12,546	1,011.24	7,846	1,076.66	0	--	1,346	836.52	0	--
Tacoma: ^a										
Douglas-fir	21,974	497.86	20,682	500.07	0	--	138	319.51	0	--
Other firs	9,354	383.42	9,051	389.39	0	--	0	--	0	--
Cedars	592	851.86	410	1,018.78	0	--	25	475.96	0	--
Hemlock	39,000	420.95	37,985	425.89	0	--	334	254.32	0	--
Spruce	1,144	312.17	1,128	313.60	0	--	0	--	0	--
Pines	3,125	632.70	3,125	632.70	0	--	0	--	0	--
Redwood	120	984.80	80	1,148.68	0	--	0	--	0	--
Other softwoods	1,634	545.57	1,481	567.88	0	--	0	--	0	--
All softwoods	76,942	452.17	73,940	456.11	0	--	497	283.56	0	--
Red alder	2,904	727.33	1,480	907.77	56	441.41	75	428.77	0	--
All hardwoods	4,269	821.76	2,339	996.21	295	479.03	75	428.77	0	--

Table 54--Volume and average value of lumber exports by port, species, and destination, Seattle Customs District, third quarter 1991 (continued)

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Other ports: ^b										
Douglas-fir	24,506	494.70	584	484.28	0	--	0	--	21,631	482.91
Other firs	2,252	345.04	210	330.45	0	--	0	--	1,977	333.82
Cedars	2,891	429.42	41	590.92	0	--	0	--	2,613	413.10
Hemlock	3,527	448.95	841	561.04	0	--	0	--	2,083	364.16
Spruce	266	433.04	10	814.20	0	--	0	--	148	567.09
Pines	5,076	434.27	0	--	0	--	0	--	4,478	438.46
Redwood	33	1,479.57	0	--	0	--	0	--	33	1,479.57
Other softwoods	7,408	384.60	32	1,423.39	0	--	0	--	3,984	474.48
All softwoods	45,959	455.68	1,718	524.94	0	--	0	--	36,947	458.24
Red alder	306	704.29	0	--	0	--	0	--	136	577.31
All hardwoods	3,514	966.44	14	743.76	0	--	0	--	3,163	971.79
Total:										
Douglas-fir	61,783	480.19	35,021	467.78	0	--	324	480.52	21,773	483.63
Other firs	15,791	389.12	12,878	398.50	0	--	0	--	2,197	358.33
Cedars	4,682	538.23	743	904.48	0	--	206	759.98	2,613	413.10
Hemlock	66,992	420.69	60,063	426.34	0	--	1,997	262.02	2,083	364.16
Spruce	2,627	498.32	1,601	419.16	0	--	495	961.37	148	567.09
Pines	13,049	536.26	7,508	591.49	0	--	0	--	4,478	438.46
Redwood	288	1,381.34	122	1,679.24	0	--	0	--	33	1,479.57
Other softwoods	15,205	426.74	4,324	418.65	0	--	172	299.36	3,984	474.48
All softwoods	180,416	452.88	122,259	449.21	0	--	3,194	426.74	37,309	459.45
Red alder	9,998	839.46	5,474	887.54	55	441.41	252	464.53	136	577.31
All hardwoods	24,277	909.79	14,130	939.42	295	479.03	1,421	815.12	3,181	969.65

^a Includes a small amount exported from the Port of Olympia.

^b Bellingham, Blaine, Boundary, Danville, Frontier, Laurier, Lynden, Metaline Falls, Oroville, and Sumas.

Source: U.S. Department of Commerce.

Table 55--Volume and average value of lumber exports by port, species, and destination, Columbia-Snake Customs District, 1990

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Astoria:										
Douglas-fir	4,760	430.15	4,178	395.65	0	--	0	--	28	240.47
Other firs	365	735.18	365	735.18	0	--	0	--	0	--
Cedars	416	630.88	36	1,988.62	0	--	0	--	0	--
Hemlock	4,039	449.16	4,026	449.47	0	--	0	--	13	354.61
Pines	81	465.60	81	465.60	0	--	0	--	0	--
Redwood	10	1,917.50	10	1,917.50	0	--	0	--	0	--
Other softwoods	872	379.61	872	379.61	0	--	0	--	0	--
All softwoods	10,543	453.44	9,567	438.00	0	--	0	--	41	276.95
All hardwoods	510	1,037.75	431	1,088.63	0	--	0	--	67	591.99
Coos Bay:										
Douglas-fir	215,638	784.65	13,999	439.78	0	--	0	--	0	--
Other firs	4,142	445.94	118	456.51	0	--	0	--	0	--
Cedars	411	610.55	29	763.07	0	--	0	--	0	--
Hemlock	3,422	402.43	1,789	366.74	0	--	0	--	0	--
Spruce	3,972	200.65	0	--	0	--	0	--	0	--
Pines	45,447	396.55	0	--	0	--	0	--	0	--
Redwood	1,971	1,026.92	361	1,491.21	0	--	0	--	0	--
Other softwoods	10,523	322.72	521	299.19	0	--	0	--	0	--
All softwoods	285,525	689.66	16,816	450.89	0	--	0	--	0	--
Red alder	8	936.66	0	--	0	--	0	--	0	--
All hardwoods	345	1,033.95	0	--	0	--	0	--	0	--
Longview (Washington):										
Douglas-fir	21,900	565.75	6,111	421.71	0	--	0	--	0	--
Other firs	8,413	302.28	35	258.04	0	--	0	--	0	--
Hemlock	6,201	315.82	5,790	328.82	0	--	0	--	0	--
Spruce	5,291	311.71	0	--	0	--	0	--	0	--
Redwood	27	1,024.20	0	--	0	--	0	--	0	--
Other softwoods	907	220.13	36	631.16	0	--	0	--	0	--
All softwoods	42,739	439.13	11,973	376.94	0	--	0	--	0	--
Red alder	37	1,167.29	0	--	0	--	0	--	0	--
All hardwoods	38	1,207.72	0	--	0	--	0	--	0	--
Portland:										
Douglas-fir	200,346	475.73	102,803	458.37	0	--	0	--	0	--
Other firs	29,557	542.09	28,518	551.98	0	--	0	--	0	--
Cedars	6,143	576.34	533	670.48	0	--	44	1,690.05	0	--
Hemlock	95,920	458.76	93,165	456.91	0	--	228	543.79	1,283	372.63
Spruce	1,086	288.07	852	308.80	0	--	0	--	152	212.40
Pines	6,273	487.36	2,199	498.86	0	--	0	--	0	--
Redwood	1,964	1,147.68	1,667	1,145.53	0	--	9	643.64	0	--
Other softwoods	14,726	501.43	12,773	535.03	0	--	0	--	108	443.59
All softwoods	356,016	482.81	24,510	477.88	0	--	1,946	295.66	3,351	390.95
Red alder	3,821	834.32	1,742	800.96	0	--	166	530.90	677	516.88
All hardwoods	8,309	917.87	4,150	987.76	0	--	202	549.70	1,628	507.27
Total:										
Douglas-fir	442,644	630.19	127,090	452.49	0	--	1,664	222.80	1,509	463.41
Other firs	42,477	486.88	29,036	553.54	0	--	0	--	210	217.15
Cedars	6,969	581.61	598	754.35	0	--	44	1,690.05	0	--
Hemlock	109,582	448.56	104,770	448.00	0	--	228	543.79	1,297	372.45
Spruce	10,349	266.60	852	308.80	0	--	0	--	152	212.40
Pines	51,801	407.65	2,280	497.69	0	--	0	--	117	116.79
Redwood	3,972	1,088.90	2,037	1,210.57	0	--	9	643.64	0	--
Other softwoods	27,028	418.48	14,203	517.09	0	--	0	--	108	443.59
All softwoods	694,822	564.68	280,866	470.60	0	--	1,946	295.66	3,392	389.57
Red alder	3,866	837.74	1,742	800.96	0	--	166	530.90	677	516.88
All hardwoods	9,202	930.07	4,581	997.26	0	--	202	549.70	1,694	510.62

Source: U.S. Department of Commerce.

Table 56--Volume and average value of lumber exports by port, species, and destination, Columbia-Snake Customs District, third quarter 1991

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Coos Bay:										
Douglas-fir	49,901	725.04	4,668	410.42	0	--	0	--	0	--
Other firs	197	583.43	0	--	0	--	0	--	0	--
Hemlock	587	421.20	324	307.58	0	--	0	--	0	--
Spruce	700	205.59	0	--	0	--	0	--	0	--
Pines	831	482.82	0	--	0	--	0	--	0	--
Redwood	508	1,027.65	115	1,436.66	0	--	0	--	0	--
Other softwoods	4,460	339.36	112	329.51	0	--	0	--	0	--
All softwoods	57,184	684.16	5,220	424.95	0	--	0	--	0	--
All hardwoods	23	1,591.71	0	--	0	--	0	--	0	--
Longview (Washington):^a										
Douglas-fir	10,547	632.93	7,193	329.46	0	--	0	--	0	--
Other firs	117	120.42	0	--	0	--	0	--	0	--
Hemlock	4,450	352.22	4,450	352.22	0	--	0	--	0	--
Spruce	16	327.36	16	327.36	0	--	0	--	0	--
Pines	131	593.82	0	--	0	--	0	--	0	--
Redwood	239	1,452.64	53	1,799.26	0	--	0	--	0	--
Other softwoods	1,423	626.67	1,273	660.74	0	--	0	--	0	--
All softwoods	16,924	566.06	12,985	375.72	0	--	0	--	0	--
All hardwoods	71	1,233.50	0	--	0	--	0	--	0	--
Portland:										
Douglas-fir	35,840	528.68	14,752	480.90	0	--	100	400.25	466	572.50
Other firs	5,518	572.60	5,194	580.29	0	--	0	--	88	184.90
Cedars	1,453	606.87	116	757.57	0	--	0	--	16	556.40
Hemlock	15,180	483.49	14,167	487.20	0	--	150	219.64	823	473.05
Spruce	327	273.01	327	273.01	0	--	0	--	0	--
Pines	2,036	443.36	1,894	440.40	0	--	0	--	114	482.72
Redwood	201	1,657.77	176	1,772.77	0	--	0	--	17	654.76
Other softwoods	5,943	551.30	5,407	566.85	0	--	0	--	189	274.13
All softwoods	66,497	525.28	42,033	509.10	0	--	250	292.19	1,713	466.71
Red alder	2,089	984.68	520	1,013.98	0	--	18	622.60	272	500.22
All hardwoods	4,575	1,132.08	2,178	1,212.48	0	--	111	1,229.79	469	540.53
Total:										
Douglas-fir	96,288	641.87	26,614	427.60	0	--	100	400.25	466	572.50
Other firs	5,832	563.93	5,194	580.29	0	--	0	--	88	184.90
Cedars	1,453	606.87	116	757.57	0	--	0	--	16	556.40
Hemlock	20,217	452.79	18,942	452.41	0	--	150	219.64	823	473.05
Spruce	1,043	228.58	343	275.56	0	--	0	--	0	--
Pines	2,999	460.89	1,894	440.40	0	--	0	--	114	482.72
Redwood	948	1,268.51	344	1,664.39	0	--	0	--	17	654.76
Other softwoods	11,826	480.45	6,792	580.52	0	--	0	--	189	274.13
All softwoods	140,606	594.81	60,239	473.06	0	--	250	292.19	1,713	466.71
Red alder	2,089	984.68	520	1,013.98	0	--	18	622.60	272	500.22
All hardwoods	4,669	1,135.92	2,178	1,212.48	0	--	111	1,229.79	469	540.53

^a Includes a small amount exported from the Port of Vancouver.

Source: U.S. Department of Commerce.

**Table 57--Volume and average value of lumber exports by port, species, and destination,
San Francisco Customs District, 1990**

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Eureka:										
Douglas-fir	12	868.14	0	--	0	--	0	--	0	--
Redwood	7,403	705.53	0	--	0	--	0	--	0	--
All softwoods	7,415	705.79	0	--	0	--	0	--	0	--
Oakland:										
Douglas-fir	6,414	592.11	794	547.46	0	--	36	370.88	0	--
Other firs	22,472	421.80	21,369	417.37	0	--	0	--	0	--
Cedars	11,621	517.25	11,448	517.06	0	--	91	620.42	0	--
Hemlock	10,943	681.84	10,817	681.60	0	--	0	--	0	--
Spruce	2,189	212.44	2,189	212.44	0	--	0	--	0	--
Pines	2,389	496.87	72	1,279.82	0	--	0	--	0	--
Redwood	1,048	1,054.31	767	1,066.08	0	--	0	--	0	--
Other softwoods	4,234	377.61	1,029	538.82	0	--	0	--	0	--
All softwoods	61,309	507.33	48,484	506.85	0	--	128	549.12	0	--
Red alder	314	1,071.95	85	1,184.63	0	--	0	--	0	--
All hardwoods	11,141	1,187.34	8,696	1,279.12	0	--	202	996.12	0	--
San Francisco:										
Douglas-fir	748	646.97	132	956.56	0	--	0	--	0	--
Other firs	1,447	403.64	1,360	397.41	0	--	0	--	0	--
Cedars	181	595.62	96	963.17	0	--	0	--	0	--
Hemlock	969	592.93	952	593.62	0	--	0	--	0	--
Spruce	55	213.22	55	213.22	0	--	0	--	0	--
Pines	69	552.90	17	1,188.32	0	--	0	--	0	--
Redwood	1,911	1,407.71	564	727.27	0	--	0	--	0	--
Other softwoods	367	434.36	196	512.00	0	--	0	--	135	340.14
All softwoods	5,747	809.11	3,372	553.61	0	--	0	--	135	340.14
All hardwoods	222	1,053.50	80	1,254.82	0	--	0	--	62	685.55
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	7,268	595.21	926	605.67	0	--	36	370.88	0	--
Other firs	23,918	420.70	22,729	416.18	0	--	0	--	0	--
Cedars	11,802	518.45	11,544	520.77	0	--	91	620.42	0	--
Hemlock	11,977	672.96	11,769	674.48	0	--	0	--	0	--
Spruce	2,244	212.46	2,244	212.46	0	--	0	--	0	--
Pines	2,458	498.43	89	1,262.31	0	--	0	--	0	--
Redwood	10,362	870.30	1,331	922.40	0	--	0	--	0	--
Other softwoods	4,601	382.14	1,225	534.53	0	--	0	--	135	340.14
All softwoods	74,630	549.99	51,856	509.89	0	--	128	549.12	135	340.14
Red alder	314	1,071.95	85	1,184.63	0	--	0	--	0	--
All hardwoods	11,363	1,184.73	8,776	1,278.90	0	--	202	996.12	62	685.55

Source: U.S. Department of Commerce.

**Table 58--Volume and average value of lumber exports by port, species, and destination,
San Francisco Customs District, third quarter 1991**

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Taiwan	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Eureka:										
Redwood	7,480	365.12	0	--	0	--	0	--	0	--
Oakland:										
Douglas-fir	2,147	671.07	1,192	491.92	0	--	0	--	0	--
Other firs	1,939	534.66	1,828	528.98	0	--	0	--	0	--
Cedars	1,844	632.37	1,821	628.54	0	--	0	--	0	--
Hemlock	5,769	540.95	5,769	540.95	0	--	0	--	0	--
Spruce	697	289.68	499	320.39	0	--	0	--	61	213.06
Pines	362	338.47	24	965.03	0	--	0	--	0	--
Redwood	790	408.67	678	322.97	0	--	80	977.32	25	813.79
Other softwoods	5,993	240.19	154	356.48	0	--	417	299.74	0	--
All softwoods	19,542	452.95	11,964	524.48	0	--	497	408.34	86	385.54
Red alder	34	1,060.28	25	915.40	0	--	0	--	0	--
All hardwoods	2,825	1,025.55	2,163	1,067.84	0	--	188	1,264.28	315	656.10
Sacramento:										
Douglas-fir	1,580	229.19	1,580	229.19	0	--	0	--	0	--
San Francisco:										
Douglas-fir	203	666.41	34	693.25	0	--	0	--	0	--
Pines	42	645.41	23	804.89	0	--	0	--	0	--
Redwood	3,741	414.30	77	765.38	0	--	0	--	0	--
All softwoods	3,986	429.57	134	754.00	0	--	0	--	0	--
All hardwoods	11	1,266.36	0	--	0	--	11	1,266.36	0	--
Other: ^a										
Douglas-fir	14	557.82	0	--	0	--	0	--	0	--
All hardwoods	713	76.74	713	76.74	0	--	0	--	0	--
Total:										
Douglas-fir	3,943	493.39	2,806	346.42	0	--	0	--	0	--
Other firs	1,939	534.66	1,828	528.98	0	--	0	--	0	--
Cedars	1,844	632.37	1,821	628.54	0	--	0	--	0	--
Hemlock	5,769	540.95	5,769	540.95	0	--	0	--	0	--
Spruce	697	289.68	499	320.39	0	--	0	--	61	213.06
Pines	405	370.61	47	885.68	0	--	0	--	0	--
Redwood	12,011	383.31	755	367.91	0	--	80	977.32	25	813.79
Other softwoods	5,993	240.19	154	356.48	0	--	417	299.74	0	--
All softwoods	32,600	419.14	13,678	492.62	0	--	497	408.34	86	385.54
Red alder	34	1,060.28	25	915.40	0	--	0	--	0	--
All hardwoods	3,550	835.73	2,876	822.11	0	--	200	1,264.40	315	656.10

^a Richmond and San Francisco International Airport.

Source: U.S. Department of Commerce.

**Table 59--Volume and average value of lumber exports by port, species, and destination,
Anchorage Customs District, 1990**

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Dalton Cache:										
Hemlock	16,448	395.26	13,657	437.55	0	--	0	--	0	--
Spruce	15,561	547.07	13,287	493.28	0	--	2,143	899.87	0	--
All softwoods	32,008	469.06	26,944	465.03	0	--	2,143	899.87	0	--
Ketchikan:										
Cedars	5,002	211.66	1,140	383.96	0	--	3,862	160.81	0	--
Hemlock	73,355	395.06	71,142	397.30	0	--	0	--	16	314.52
Spruce	45,859	528.05	45,768	528.83	0	--	0	--	0	--
All softwoods	124,217	436.77	117,959	448.11	0	--	3,862	160.81	16	314.52
Wrangell:										
Hemlock	29,428	270.86	29,428	270.86	0	--	0	--	0	--
Spruce	26,356	267.34	26,356	267.34	0	--	0	--	0	--
All softwoods	55,785	269.20	55,785	269.20	0	--	0	--	0	--
Total:										
Cedars	5,002	211.66	1,140	383.96	0	--	3,862	160.81	0	--
Hemlock	119,231	364.43	114,227	369.54	0	--	0	--	16	314.52
Spruce	87,776	453.14	85,322	442.52	0	--	2,143	899.87	0	--
All softwoods	212,010	397.55	200,689	400.65	0	--	6,006	424.56	16	314.52

Source: U.S. Department of Commerce.

**Table 60--Volume and average value of lumber exports by port, species, and destination,
Anchorage Customs District, third quarter 1991**

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Anchorage:										
Spruce	1,233	365.23	1,233	365.23	0	--	0	--	0	--
Other softwoods	1,892	359.39	1,892	359.39	0	--	0	--	0	--
All softwoods	3,125	361.69	3,125	361.69	0	--	0	--	0	--
Ketchikan:										
Cedars	547	401.21	547	401.21	0	--	0	--	0	--
Hemlock	12,922	420.35	12,922	420.35	0	--	0	--	0	--
Spruce	7,173	629.87	7,173	629.87	0	--	0	--	0	--
All softwoods	20,642	492.65	20,642	492.65	0	--	0	--	0	--
Wrangell:										
Cedars	122	259.82	122	259.82	0	--	0	--	0	--
Hemlock	3,741	291.91	3,521	285.15	0	--	0	--	0	--
Spruce	10,068	157.11	10,068	157.11	0	--	0	--	0	--
All softwoods	13,931	194.21	13,711	190.91	0	--	0	--	0	--
Total:										
Cedars	669	375.33	669	375.33	0	--	0	--	0	--
Hemlock	16,663	391.51	16,443	391.40	0	--	0	--	0	--
Spruce	18,475	354.57	18,475	354.57	0	--	0	--	0	--
Other softwoods	1,892	359.39	1,892	359.39	0	--	0	--	0	--
All softwoods	37,699	371.51	37,479	371.34	0	--	0	--	0	--

Source: U.S. Department of Commerce.

Table 61—Volume and average value of softwood lumber exports to Canada from the Great Falls Customs District, 1980-91^a

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

Year and quarter	Total		Douglas-fir		Western hemlock		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
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	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	7,660	361.36	2,081	395.00	246	394.31	5,333	346.71
1990 total	44,262	407.23	18,405	399.51	839	671.04	25,018	404.07
1991:								
1st quarter	4,616	467.29	1,132	598.06	125	536.00	3,359	420.66
2d quarter	5,315	510.44	2,114	593.19	44	1,022.73	3,157	447.89
3d quarter	5,604	546.93	2,480	633.07	24	875.00	3,100	475.48
4th quarter								
1991 total								

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

Source: U.S. Department of Commerce.

Table 62--Volume and average value of hardwood lumber exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1980-91

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

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
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	80,745	965.60	13,439	771.56	0	--	11,363	1,184.72
1991:								
1st quarter	22,032	1,001.54	3,125	960.64	0	--	2,863	1,221.10
2d quarter	23,406	975.48	3,419	976.02	0	--	4,452	1,043.35
3d quarter	24,008	904.45	4,669	1,135.79	0	--	3,444	845.53
4th quarter								
1991 total								
TO JAPAN								
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	40,970	1,040.32	4,581	997.38	0	--	8,776	1,278.83
1991:								
1st quarter	11,310	1,112.02	1,753	954.93	0	--	2,528	1,240.11
2d quarter	13,647	1,034.59	1,765	1,104.25	0	--	3,260	1,102.15
3d quarter	14,130	939.42	2,178	1,212.58	0	--	2,876	822.32
4th quarter								
1991 total								
TO PEOPLE'S REPUBLIC OF CHINA								
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	210	600.00	4,217	430.64	0	--	0	--
1991:								
1st quarter	142	492.96	0	--	0	--	0	--
2d quarter	141	581.56	0	--	0	--	0	--
3d quarter	295	477.97	0	--	0	--	0	--
4th quarter								
1991 total								

Source: U.S. Department of Commerce.

Table 63--Volume of lumber exports from British Columbia ports by species and destination, 1980-90

(In thousand board feet)

Year	Total, All species	Douglas- fir	Hemlock	Cedars	Spruces	Other Softwoods	Hardwoods
TO ALL COUNTRIES							
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	12,219,744	NA	NA	NA	NA	NA	2,398
1990	10,726,160	654,941	2,681,382	1,012,124	108,901	6,268,812	0
TO JAPAN							
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
1990	1,669,234	131,840	829,101	153,034	98,641	456,618	0
TO UNITED STATES ^b							
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
1990	7,425,801	337,804	1,021,148	764,591	0	5,302,258	0
TO PEOPLE'S REPUBLIC OF CHINA							
1982	43,206	0	28,877	0	624	4,514	9,191
1983	135,043	6,274	111,000	0	0	15,907	1,862
1984	116,884	3,063	99,706	0	140	4,449	9,526
1985	104,281	672	103,609	0	0	0	0
1986	40,297	0	39,919	0	0	378	0
1987	31,896	39	31,774	60	0	0	23
1988	84,425	NA	NA	NA	NA	NA	0
1989	21,859	NA	NA	NA	NA	NA	0
1990	3,143	0	1,310	199	0	1,634	0

NA = not available.

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

^b Figures do not include shipments of railroad cross ties.

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

Table 64--Average value of lumber exports from British Columbia ports by species and destination, 1985-90

(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
1990	368.28	NA	NA	NA	NA	NA	--
TO JAPAN							
1985	400.55	514.86	329.30	616.65	561.79	349.53	983.67
1986	515.75	618.18	423.36	819.01	657.94	393.42	395.85
1987	617.78	746.66	542.06	1,138.30	832.39	428.13	891.27
1988	592.36	NA	NA	NA	NA	NA	1,081.80
1989	629.30	NA	NA	NA	NA	NA	1,407.59
1990	NA	NA	NA	NA	NA	NA	--
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
1990	285.87	NA	NA	NA	NA	NA	--
TO PEOPLE'S REPUBLIC OF CHINA							
1985	284.59	269.55	284.69	--	--	--	--
1986	298.30	--	300.70	--	--	44.64	--
1987	309.90	1,460.00	306.96	1,076.53	--	--	418.57
1988	305.35	NA	NA	NA	NA	NA	--
1989	313.46	NA	NA	NA	NA	NA	--
1990	NA	NA	NA	NA	NA	NA	--

NA = not available.

^a Figures do not include shipments of railroad crossties.

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

Table 65--Volume and average value of plywood exports from Seattle and Columbia-Snake Customs Districts by destination, 1980-91

(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												
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	259,182	215.13	21,993	285.45	67,461	234.59	18,355	298.23	191,721	208.28	3,638	221.00
1991:												
1st quarter	62,881	194.34	9,993	261.78	20,340	230.58	8,420	267.22	42,541	177.01	1,573	232.68
2d quarter	40,661	223.24	8,458	277.25	23,647	226.41	7,779	277.16	17,014	218.82	679	278.35
3d quarter	45,665	239.07	8,306	268.24	17,079	236.61	7,417	268.71	28,586	240.54	889	264.34
4th quarter												
1991 total												
TO JAPAN												
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	1,000.0
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	16,144	224.54	616	235.39	14,312	221.00	200	285.00	1,832	252.18	416	211.54
1991:												
1st quarter	9,773	220.30	363	184.57	9,193	216.03	363	184.57	580	287.93	0	--
2d quarter	7,053	227.28	144	215.28	6,954	227.35	50	200.00	99	222.22	94	223.40
3d quarter	965	321.24	42	404.76	876	315.07	0	--	89	382.02	42	404.76
4th quarter												
1991 total												
TO WESTERN EUROPE												
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	191,734	213.80	3,035	200.99	24,129	267.19	111	279.28	167,605	206.11	2,924	198.02
1991:												
1st quarter	38,858	190.44	2,249	236.55	6,183	263.63	931	256.71	32,675	176.59	1,318	222.31
2d quarter	17,570	226.18	1,060	251.89	2,020	293.56	475	208.42	15,550	217.43	585	287.18
3d quarter	29,630	243.60	1,172	266.21	5,129	251.71	426	227.70	24,501	241.91	746	288.20
4th quarter												
1991 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 66--Volume and average value of plywood exports from California, 1980-91^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
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	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	13,456	205.86	711	317.86	112	285.71	7,251	220.66	5,382	165.18
4th quarter	15,780	190.68	470	395.74	210	190.48	9,299	192.39	5,801	171.35
1990 total	65,513	179.20	3,365	295.10	1,104	221.01	28,254	194.24	32,790	152.94
1991:										
1st quarter	30,766	166.42	853	256.74	235	400.00	22,942	165.07	6,736	151.43
2d quarter	20,832	172.24	1,407	248.05	486	230.45	11,426	161.30	7,513	170.90
3d quarter	27,657	171.53	259	270.27	24	791.67	17,475	166.18	9,899	176.89
4th quarter										
1991 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 67--Volume and average value of veneer exports from Seattle and Columbia-Snake Customs Districts by destination, 1980-91

(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												
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	70,555	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	79,643	110.67	120,836	122.76	75,047	105.19	118,087	121.71	4,596	200.17	2,749	168.06
1991:												
1st quarter	27,688	107.34	43,078	131.18	19,598	126.85	42,170	132.23	8,090	60.07	908	82.60
2d quarter	19,804	124.17	47,481	130.77	18,912	117.97	47,086	130.04	892	255.73	395	217.72
3d quarter	42,640	79.62	25,327	161.05	41,151	72.64	24,719	159.92	1,489	272.67	608	207.24
4th quarter												
1991 total												
TO JAPAN												
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	33,574	145.86	64,727	124.31	30,053	141.42	63,918	123.50	3,521	183.75	809	187.89
1991:												
1st quarter	13,103	147.07	26,780	125.24	12,363	141.79	26,272	125.46	740	235.14	508	114.17
2d quarter	15,553	125.18	35,889	123.10	14,854	119.29	35,874	122.87	699	250.36	15	666.67
3d quarter	32,495	72.75	17,482	164.23	31,627	67.32	16,874	162.68	868	270.74	608	207.24
4th quarter												
1991 total												
TO WESTERN EUROPE												
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	367	242.51	2,967	118.30	239	221.76	2,967	118.30	128	281.25	0	--
1991:												
1st quarter	7,187	33.53	762	145.67	0	--	762	145.67	7,187	33.53	0	--
2d quarter	192	281.25	0	--	0	--	0	--	192	281.25	0	--
3d quarter	123	260.16	0	--	0	--	0	--	123	260.16	0	--
4th quarter												
1991 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 68--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1986-91

(In thousand board feet, Scribner scale)

Agency	1986	1987	1988	1989	1990		1991				Total
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	
Montana:											
USDA Forest Service ^a	496,622	502,115	428,062	408,764	304,366	141,646	38,023	68,081	132,320		
U.S. Bureau of Land Manage. ^b	10,259	7,696	6,086	5,843	6,675	5,393	R328	R2,502	190		
U.S. Bureau of Indian Affairs	22,172	28,480	50,383	70,112	65,976	11,919	12,506	8,137	10,735		
State of Montana	26,083	55,614	42,035	43,949	31,427	7,976	8,082	2,068	9,980		
Total	555,136	593,905	526,566	528,668	408,443	166,934	R58,939	R80,789	153,225		
Idaho:											
USDA Forest Service ^a	649,631	654,748	745,226	798,642	709,121	269,909	73,782	129,328	269,888		
U.S. Bureau of Land Manage. ^b	21,645	16,374	8,058	16,407	8,877	1,744	1,402	2,168	10,737		
U.S. Bureau of Indian Affairs	784	4,214	2,718	7,310	1,205	0	0	558	0		
State of Idaho	191,842	215,265	441,916	400,344	307,215	165,592	11,222	113,085	244,592		
Total	863,902	890,601	1,197,918	1,222,703	1,026,418	437,245	86,406	245,139	525,217		
All public lands:											
USDA Forest Service ^a	1,146,253	1,156,863	1,173,288	1,207,406	1,013,486	411,555	111,805	197,409	402,208		
U.S. Bureau of Land Manage. ^b	31,904	24,070	14,144	22,250	15,552	7,137	R1,730	R4,670	10,927		
U.S. Bureau of Indian Affairs	22,956	32,694	53,101	77,422	67,181	11,919	12,506	8,695	10,735		
State of Montana	26,083	55,614	42,035	43,949	31,427	7,976	8,082	2,068	9,980		
State of Idaho	191,842	215,265	441,916	400,344	307,215	165,592	11,222	113,085	244,592		
Total	1,419,038	1,484,506	1,724,484	1,751,371	1,434,861	604,179	R145,345	R325,927	678,442		

R = revised.

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

Source: Respective agencies listed.

Table 69—Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1986-91

(In dollars per thousand board feet)

Agency	1986	1987	1988	1989	1990		1991			
					Average	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.
Montana:										
USDA Forest Service ^a	22.16	35.71	47.40	97.37	119.43	104.99	90.97	81.58	98.31	
U.S. Bureau of Land Manage. ^b	34.67	38.62	55.75	86.44	114.50	127.45	R35.37	R44.23	46.25	
U.S. Bureau of Indian Affairs	63.63	78.91	61.33	90.59	57.44	156.33	101.03	124.29	82.16	
State of Montana	64.85	65.09	79.45	154.53	148.39	128.27	159.28	102.95	211.38	
Average	26.05	40.57	51.39	101.10	111.56	110.52	R102.37	R85.28	104.48	
Idaho:										
USDA Forest Service ^a	33.31	46.26	56.54	82.89	92.29	83.06	120.22	78.27	88.57	
U.S. Bureau of Land Manage. ^b	24.70	33.56	78.10	60.38	87.96	143.11	103.36	103.42	29.06	
U.S. Bureau of Indian Affairs	94.71	79.58	31.71	76.29	150.63	--	--	147.07	--	
State of Idaho	56.26	68.93	55.40	73.51	113.19	85.96	145.20	105.09	54.29	
Average	38.25	51.66	56.21	79.48	98.57	84.40	123.19	91.02	71.39	
All public lands:										
USDA Forest Service ^a	28.48	41.68	53.21	87.80	100.44	90.61	110.27	79.41	91.78	
U.S. Bureau of Land Manage. ^b	27.91	35.18	68.48	67.22	99.35	131.28	R90.47	R71.71	29.36	
U.S. Bureau of Indian Affairs	64.70	79.00	59.82	89.24	59.11	156.33	102.03	125.75	82.16	
State of Montana	64.85	65.09	79.45	154.53	148.39	128.87	159.28	102.95	211.38	
State of Idaho	56.26	68.93	55.40	73.51	113.19	85.96	145.20	105.09	54.29	
Average	33.48	47.23	54.74	86.01	102.27	91.61	R114.75	R89.60	78.86	

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 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 70—Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1980-91^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
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	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	162.72	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	116.56	263.95	152.62	106.46	126.22	105.38	205.93	111.73	122.07	113.84
1990 average	131.65	184.79	205.52	145.35	156.14	153.03	183.35	161.66	158.55	146.10
1991:										
1st quarter	96.20	146.98	278.76	110.62	107.68	88.54	214.82	97.73	84.70	115.28
2d quarter	120.90	146.84	132.39	114.54	101.49	97.66	169.22	136.45	98.97	118.65
3d quarter	143.82	201.01	198.08	138.13	169.53	111.41	252.29	169.73	146.32	153.49
4th quarter										
1991 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 71--Volume and average value of timber harvested on the National Forests of the Northern Region, 1991

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

Quarter	Beaverhead		Bitterroot		Clearwater		Custer		Deerlodge	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	2.5	7.17	1.1	173.16	25.4	74.46	0.3	10.01	1.6	43.01
2d qtr.	1.1	58.58	1.1	18.85	15.3	99.07	.1	9.88	1.3	33.28
3d qtr.	5.1	50.87	5.3	76.34	74.4	76.01	1.0	18.86	2.8	47.82
4th qtr.										
Total										
	Flathead		Gallatin		Helena		Kootenai		Lewis and Clark	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	8.7	130.09	1.3	28.90	1.4	30.96	29.8	104.90	.8	34.79
2d qtr.	3.1	73.64	1.3	15.54	.9	10.83	17.4	96.91	1.0	36.25
3d qtr.	26.4	68.64	7.9	24.18	8.9	51.49	67.6	108.97	6.0	49.17
4th qtr.										
Total										
	Lolo		Nezperce		Panhandle ^a		Northern Idaho		Montana	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	3.4	78.78	4.8	53.61	15.7	69.42	45.2	71.02	50.7	96.72
2d qtr.	6.5	57.00	8.5	22.48	48.7	72.60	72.4	73.71	32.7	71.67
3d qtr.	26.3	70.26	40.6	40.40	106.4	92.04	214.0	77.83	157.7	81.48
4th qtr.										
Total										
	Northeastern Washington		All Forests							
	Volume	Average value	Volume	Average value						
1st qtr.	.7	39.98	96.6	84.29						
2d qtr.	1.2	42.98	106.4	72.73						
3d qtr.	6.9	52.79	378.6	78.89						
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 72--Volume of timber sold on publicly owned or managed lands in California, 1986-91

(In thousand board feet, Scribner scale)

Agency	1986	1987	1988	1989	1990		1991			
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.
USDA Forest Service ^a	1,472,112	1,627,653	2,027,116	1,440,482	1,585,813	738,767	96,860	154,808	328,763	
U.S. Bureau of Land Manage. ^b	20,398	19,685	12,167	11,907	10,129	5,257	876	2,260	6,446	
U.S. Bureau of Indian Affairs	81,529	10,036	0	7,185	48,871	25,200	1,035	2,515	14,918	
State of California	31,316	40,300	34,129	36,158	33,187	7,372	6,125	3,099	10,260	
Total	1,605,355	1,697,674	2,073,412	1,495,732	1,678,000	776,596	104,896	162,682	360,387	

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

Source: Respective agencies listed.

Table 73--Average stumpage prices of timber sold on publicly owned or managed lands in California, 1986-91

(In dollars per thousand board feet)

Agency	1986	1987	1988	1989	1990		1991				Average
					Average	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	
USDA Forest Service ^{a b}	71.84	110.02	118.20	154.12	142.62	102.20	146.95	105.73	189.24		
U.S. Bureau of Land Manage. ^c	61.75	106.09	158.09	121.12	122.25	125.67	130.39	125.28	210.16		
U.S. Bureau of Indian Affairs	85.13	84.66	--	323.14	268.53	253.10	185.23	197.84	363.96		
State of California	103.69	123.06	145.16	223.02	269.24	265.10	221.10	144.76	375.00		
Average	73.01	110.14	118.88	156.34	148.67	108.80	151.52	108.16	202.14		

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

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

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

Source: Respective agencies listed.

Table 74--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1980-91^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
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	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	212.82	289.42	256.84	15.54	342.78	62.76	171.20
1990 average	218.91	217.62	285.13	84.12	231.48	85.02	166.25
1991:							
1st quarter	175.26	221.89	346.83	118.93	320.50	129.08	181.80
2d quarter	144.59	237.46	146.00	20.39	231.86	68.23	138.08
3d quarter	189.40	319.23	163.75	37.12	135.90	75.60	160.37
4th quarter							
1991 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 75--Volume and average value of timber harvested on the National Forests of the Pacific Southwest Region, 1991

(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.	0.0	--	0.0	--	2.7	19.28	0.0	--	17.6	52.66
2d qtr.	.1	63.72	.2	37.19	27.9	152.75	0.0	--	24.3	90.08
3d qtr.	.1	54.70	.1	33.19	74.4	163.81	1.9	21.31	34.3	98.24
4th qtr.										
Total										
	Lassen		Los Padres		Mendocino		Modoc		Plumas	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	10.5	22.76	0.0	--	.1	2.21	3.9	174.20	8.8	47.91
2d qtr.	37.2	248.69	0.0	--	3.0	285.38	17.5	126.62	58.1	164.47
3d qtr.	47.9	179.85	.2	14.91	19.3	274.97	12.7	257.73	114.9	178.94
4th qtr.										
Total										
	San Bernardino		Sequoia		Shasta		Sierra		Six Rivers	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	1.6	34.17	2.8	13.11	7.4	116.90	5.2	22.64	2.0	169.20
2d qtr.	.6	29.44	15.8	56.92	14.0	180.52	17.7	100.13	24.3	211.02
3d qtr.	.7	30.12	32.9	54.71	17.7	161.93	30.4	115.02	44.9	167.11
4th qtr.										
Total										
	Stanislaus		Tahoe		Trinity		LTBMU ^b		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	2.0	24.88	2.8	100.31	3.3	94.17	.1	21.10	70.7	61.89
2d qtr.	18.4	76.00	29.1	141.02	47.1	111.06	.5	24.05	335.8	147.24
3d qtr.	72.2	94.33	48.5	105.19	16.4	158.80	.9	24.58	570.2	146.55
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 76--Monthly stumpage volume and average value of timber sold on National Forest lands in Washington and Oregon, 1989-91

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

Year and month	East side		West side		Pacific Northwest Region	
	Volume	Average value	Volume	Average value	Volume	Average value
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	549	301.78	715	263.88
September	571	157.89	1,357	283.47	1,928	246.27
October	7	67.33	7	193.81	14	133.70
November	4	73.19	a	193.77	5	82.04
December	122	136.95	4	227.91	126	139.59
Total	1,457	156.28	2,990	316.37	4,447	263.91
1991:						
January	88	105.24	a	195.00	88	105.26
February	11	73.45	a	73.89	11	73.47
March	112	112.98	5	309.17	117	121.72
April	32	135.50	1	150.21	33	135.77
May	25	187.46	3	144.13	28	182.50
June	22	124.63	1	310.88	23	130.04
July	21	171.26	12	305.76	33	220.09
August	49	181.32	14	317.59	63	211.16
September	232	222.96	141	313.83	373	257.31
October						
November						
December						
Total						

^a Less than 1 million board feet.

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

Table 77--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1987-91

(In thousand board feet, Scribner scale)

Agency	1987	1988	1989	1990		1991				
				Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Western Washington:										
USDA Forest Service ^a	870,743	846,309	313,920	913,998	405,537	25,861	20,143	25,703		
U.S. Bur. Land Manage.	9	0	0	0	0	0	0	0		
U.S. Bur. Indian Aff.	43,459	60,138	22,502	45,750	10,369	45,885	15,255	6,470		
State of Washington ^b	733,225	690,735	739,610	697,784	174,724	83,996	152,404	97,073		
Total	1,647,436	1,597,182	1,076,032	1,657,532	590,630	155,742	187,802	129,246		
Eastern Washington:										
USDA Forest Service ^a	379,394	435,615	312,430	437,407	219,992	47,988	37,635	35,373		
U.S. Bur. Land Manage.	0	3,212	0	0	0	0	175	5,685		
U.S. Bur. Indian Aff.	238,327	147,407	134,008	132,307	43,642	19,528	45,577	9,561		
State of Washington ^b	98,955	117,565	100,590	61,200	6,065	12,115	21,575	23,480		
Total	720,320	703,799	547,028	630,914	269,699	79,631	104,962	74,099		
Western Oregon:										
USDA Forest Service ^a	2,414,761	2,317,248	828,416	2,457,087	840,070	76,917	32,562	57,846		
U.S. Bur. Land Manage.	1,108,209	914,107	703,509	1,082,971	462,728	70,828	29,561	385,258		
U.S. Bur. Indian Aff.	1,950	14,274	5,700	6,760	3,996	0	8,398	10,302		
State of Oregon	221,429	202,060	199,194	89,139	28,054	40,532	44,904	36,551		
Total	3,746,349	3,447,689	1,736,819	3,635,957	1,334,848	188,277	115,425	489,957		
Eastern Oregon:										
USDA Forest Service ^a	1,283,955	1,307,468	973,451	1,061,917	330,824	190,263	123,283	159,978		
U.S. Bur. Land Manage.	7,027	20,237	15,812	42,695	67	0	3,575	0		
U.S. Bur. Indian Aff.	82,418	94,379	92,380	70,543	18,570	0	55,360	0		
State of Oregon	6,179	2,411	2,536	3,270	0	0	3,150	0		
Total	1,379,579	1,424,495	1,084,189	1,178,425	349,461	190,263	185,368	159,978		
All public lands:										
USDA Forest Service ^a	4,948,853	4,906,640	2,428,217	4,870,409	1,796,423	341,029	213,623	278,900		
U.S. Bur. Land Manage.	1,118,889	937,556	719,321	1,125,665	462,795	70,828	33,311	390,943		
U.S. Bur. Indian Aff.	366,154	316,198	254,590	255,360	76,577	65,413	124,590	26,333		
State of Washington ^b	832,180	808,300	840,200	758,984	180,789	96,111	173,979	120,553		
State of Oregon	227,608	204,471	201,730	92,409	28,054	40,532	48,054	36,551		
Total	7,493,684	7,173,165	4,444,058	7,102,827	2,544,638	613,913	593,557	853,280		

^a Convertible products only.

^b Excludes sales under \$20,000.

Source: Respective agencies listed.

Table 78--Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1987-91

(In dollars per thousand board feet)

Agency	1987	1988	1989	1990		1991				
				Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Western Washington:										
USDA Forest Service ^a	114.82	167.15	238.55	254.48	245.95	198.60	163.08	146.83		
U.S. Bur. Land Manage.	44.00	--	--	--	--	--	--	--		
U.S. Bur. Indian Aff.	86.23	155.36	175.31	197.11	274.60	175.28	184.24	200.47		
State of Washington ^b	224.64	270.12	341.53	338.56	359.66	227.16	336.94	316.31		
Average	162.94	211.24	308.01	288.29	280.09	207.13	305.89	276.81		
Eastern Washington:										
USDA Forest Service ^a	48.69	85.23	100.23	100.87	93.56	62.91	53.19	75.64		
U.S. Bur. Land Manage.	61.48	50.44	--	--	--	--	140.00	183.79		
U.S. Bur. Indian Aff.	149.60	130.84	256.42	258.47	240.03	172.17	208.18	180.82		
State of Washington ^b	131.09	178.66	224.82	247.46	227.00	125.92	182.67	200.99		
Average	93.46	110.23	161.40	148.14	120.26	99.29	147.25	137.23		
Western Oregon:										
USDA Forest Service ^a	140.81	194.75	278.36	369.31	340.79	259.04	173.88	284.77		
U.S. Bur. Land Manage.	118.46	157.59	295.35	306.30	251.33	240.82	334.13	322.73		
U.S. Bur. Indian Aff.	199.17	200.87	307.13	405.32	380.49	--	270.69	430.75		
State of Oregon	183.98	244.76	340.55	365.75	305.63	262.12	336.45	318.46		
Average	136.78	187.85	292.47	350.52	309.16	252.85	285.21	320.20		
Eastern Oregon:										
USDA Forest Service ^a	138.45	153.51	181.05	161.81	141.36	159.13	161.73	110.02		
U.S. Bur. Land Manage.	192.94	51.08	134.65	68.14	116.40	--	234.39	--		
U.S. Bur. Indian Aff.	133.65	177.67	139.94	197.49	292.20	--	160.20	--		
State of Oregon	187.33	158.58	75.71	269.71	--	--	198.78	--		
Average	138.66	153.66	176.63	160.85	149.37	159.13	163.31	110.02		
All public lands:										
USDA Forest Service ^a	128.56	169.28	211.29	278.41	252.38	171.12	144.59	145.30		
U.S. Bur. Land Manage.	118.74	154.92	291.82	297.27	251.31	240.82	322.40	320.71		
U.S. Bur. Indian Aff.	138.75	152.64	208.12	234.52	264.69	174.35	188.14	283.43		
State of Washington ^b	213.51	256.82	327.56	331.21	355.21	214.40	317.81	293.85		
State of Oregon	184.07	243.74	337.22	362.35	305.63	262.12	327.43	318.46		
Average	138.71	178.65	251.84	286.56	260.45	192.29	229.29	258.33		

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

^b Excludes sales under \$20,000.

Source: Respective agencies listed.

Table 79--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1980-91^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												
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	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	373.34	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	395.14	140.88	291.40	363.15	202.26	62.43	108.88	136.07	167.97	239.50	130.97	404.87	126.52	278.83
1990 average	466.35	149.07	297.78	341.35	262.42	59.39	96.80	138.53	203.04	266.30	141.66	407.83	161.08	330.00
1991:														
1st quarter	380.13	90.65	268.32	316.10	342.14	78.28	75.45	--	154.48	172.91	96.89	140.44	123.53	206.51
2d quarter	435.50	82.18	327.61	193.22	78.04	86.12	102.59	225.00	137.15	146.30	61.99	165.67	146.28	204.75
3d quarter	397.34	90.00	303.10	317.13	206.57	96.82	96.10	183.70	188.85	548.75	114.75	519.71	118.13	232.47
1991 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.

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

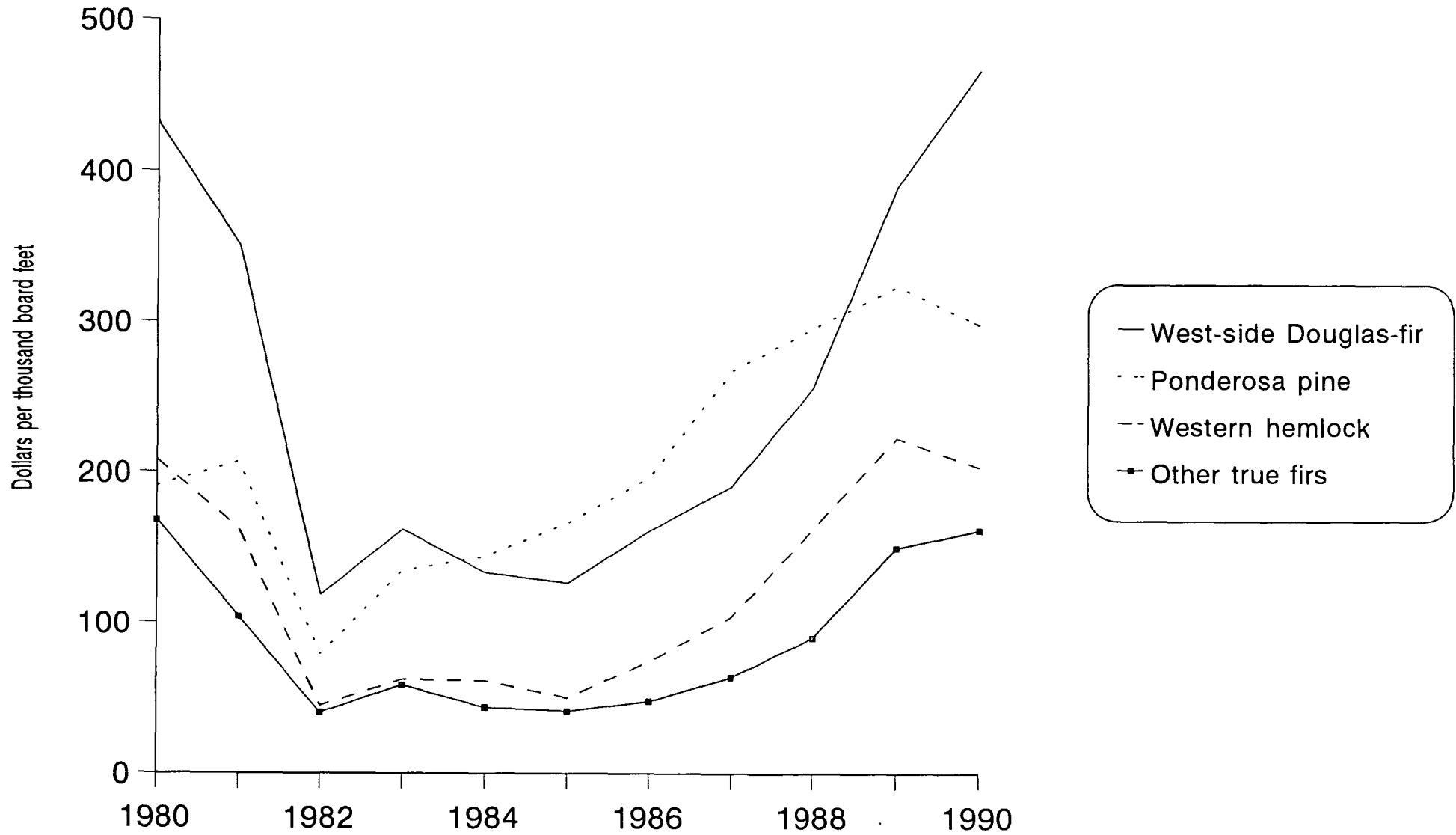


Table 80--Volume and average value of timber harvested on the National Forests of the Pacific Northwest Region, 1991

(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.	24.3	84.39	45.3	83.16	5.2	117.72	25.0	197.46	40.4	177.65
2d qtr.	13.9	84.55	38.3	121.84	15.7	195.01	100.3	223.18	45.7	191.71
3d qtr.	36.9	83.50	34.1	55.59	41.0	205.20	84.1	238.16	78.3	205.26
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.	15.8	244.13	29.3	251.63	61.5	196.00	11.8	74.85	17.1	185.00
2d qtr.	35.8	241.02	48.2	244.35	32.3	195.08	7.0	89.89	21.8	157.58
3d qtr.	33.4	190.40	69.8	233.39	54.3	254.58	14.7	99.19	22.3	202.16
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.	6.9	234.31	24.9	280.82	52.7	293.57	17.1	149.68	28.3	206.48
2d qtr.	28.1	194.78	17.2	349.35	34.1	347.11	7.4	89.53	81.5	261.76
3d qtr.	29.4	199.25	16.5	416.28	37.6	311.33	70.2	109.40	100.2	249.59
4th qtr.										
Total										
	Wailowa-Whitman		Wenatchee		Willamette		Winema		Western Oregon	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	17.5	62.98	10.5	100.51	51.6	275.03	42.6	194.58	193.7	265.80
2d qtr.	17.8	72.62	30.2	103.98	97.1	301.56	36.8	174.07	304.9	279.80
3d qtr.	50.0	60.67	63.4	93.11	149.2	250.34	28.5	113.27	402.7	255.98
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.	229.6	154.91	57.9	206.51	47.7	84.02	.8	186.49	529.7	194.75
2d qtr.	194.0	160.58	157.9	218.16	55.7	92.38	1.2	311.24	713.7	219.18
3d qtr.	348.5	154.72	139.9	221.01	122.8	86.75	.4	284.88	1,014.2	195.88
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 81--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1991^{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--	0	--	0	--	0	--	0	--	0	--	0	--
1st quarter	118	526.50	0	--	0	--	0	--	2,400	122.00	2,603	151.58
2d quarter	19,284	476.70	1,710	229.46	0	--	9,361	225.03	5,702	173.11	40,217	362.82
3d quarter												
4th quarter												
Total and average												
Rogue River--	0	--	0	--	0	--	0	--	0	--	325	73.60
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter	110	173.03	0	--	0	--	0	--	50	162.56	320	214.80
3d quarter												
4th quarter												
Total and average												
Siskiyou--	0	--	0	--	0	--	0	--	0	--	0	--
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--	0	--	170	25.10
4th quarter												
Total and average												
Siuslaw--	0	--	0	--	0	--	0	--	0	--	0	--
1st quarter	110	204.77	0	--	0	--	0	--	0	--	560	221.03
2d quarter	4,390	394.94	0	--	0	--	0	--	0	--	4,390	394.94
3d quarter												
4th quarter												
Total and average												
Umpqua--	1,540	422.24	0	--	300	192.55	0	--	0	--	2,608	316.82
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter	1,023	351.70	0	--	0	--	300	296.48	1	27.01	2,584	193.54
3d quarter												
4th quarter												
Total and average												
Willamette--	102	327.31	0	--	0	--	0	--	0	--	110	309.15
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter	49,750	567.16	0	--	0	--	15,550	43.70	250	36.35	87,640	347.21
3d quarter												
4th quarter												
Total and average												
All western Oregon:	1,642	416.34	0	--	300	192.55	0	--	0	--	3,043	290.57
1st quarter	228	371.28	0	--	0	--	0	--	2,400	122.00	3,163	163.87
2d quarter	74,557	530.09	1,710	229.46	0	--	25,211	114.04	6,003	167.30	135,321	349.75
3d quarter												
4th quarter												
Total and average												
Western Washington:												
Gifford Pinchot--	1,700	304.70	0	--	0	--	500	455.63	0	--	2,500	301.19
1st quarter	456	284.25	0	--	0	--	0	--	120	230.00	686	237.98
2d quarter	4,190	324.02	0	--	0	--	1,300	97.54	3,370	188.12	10,270	218.79
3d quarter												
4th quarter												
Total and average												
Mount Baker-Snoqualmie--	0	--	0	--	0	--	0	--	0	--	21	195.00
1st quarter	505	125.77	0	--	0	--	106	97.25	0	--	611	120.82
2d quarter	5,142	215.86	0	--	0	--	86	149.09	0	--	5,514	207.35
3d quarter												
4th quarter												
Total and average												
Olympic--	0	--	0	--	0	--	0	--	0	--	36	76.50
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter	9,135	105.30	0	--	0	--	6,301	73.93	0	--	15,680	100.75
3d quarter												
4th quarter												
Total and average												

Table 81--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1991^{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	1,700	304.70	0	--	0	--	536	430.17	0	--	2,557	297.16
2d quarter	961	200.97	0	--	0	--	106	97.25	120	230.00	1,297	182.79
3d quarter	18,467	185.71	0	--	0	--	7,687	78.76	3,370	188.12	31,464	157.96
4th quarter												
Total and average												
All western Oregon and western Washington:												
1st quarter	3,342	359.55	0	--	300	192.55	536	430.17	0	--	5,600	293.58
2d quarter	1,189	233.63	0	--	0	--	106	97.25	2,520	127.14	4,460	169.37
3d quarter	93,024	461.72	1,710	229.46	0	--	32,898	105.79	9,373	174.78	166,785	313.57
4th quarter												
Total and average												
Eastern Oregon:												
Deschutes--												
1st quarter	0	--	0	--	0	--	0	--	0	--	32,240	86.56
2d quarter	0	--	0	--	4,610	114.59	0	--	0	--	6,230	97.35
3d quarter	0	--	0	--	4,210	174.57	0	--	300	24.56	36,516	78.19
4th quarter												
Total and average												
Fremont--												
1st quarter	0	--	0	--	1,580	392.51	0	--	1,500	44.90	10,330	114.34
2d quarter	0	--	0	--	5,210	325.78	0	--	1,000	29.82	9,900	207.57
3d quarter	0	--	0	--	12,430	421.29	0	--	2,040	135.94	50,792	152.82
4th quarter												
Total and average												
Malheur--												
1st quarter	0	--	600	20.09	20,360	218.13	0	--	36,000	68.78	57,520	120.49
2d quarter	0	--	3,730	50.65	11,690	306.57	0	--	2,400	64.87	18,790	209.23
3d quarter	0	--	6,700	173.51	23,234	363.41	0	--	5,706	168.97	36,890	319.43
4th quarter												
Total and average												
Ochoco--												
1st quarter	0	--	4,050	20.44	32,350	213.37	0	--	3,750	40.30	40,150	182.48
2d quarter	0	--	0	--	60	52.00	0	--	0	--	60	52.00
3d quarter	0	--	10,875	239.74	18,435	485.18	0	--	0	--	29,310	396.79
4th quarter												
Total and average												
Umatilla--												
1st quarter	0	--	630	78.55	280	87.18	0	--	15,490	94.87	21,900	72.08
2d quarter	0	--	165	100.00	0	--	0	--	5,600	67.00	7,494	40.77
3d quarter	0	--	5,610	213.05	4,480	450.74	0	--	6,180	158.25	18,800	227.09
4th quarter												
Total and average												
Wallowa-Whitman--												
1st quarter	0	--	1,310	70.41	240	81.31	0	--	0	--	2,250	71.45
2d quarter	0	--	200	109.28	100	122.93	0	--	70	85.04	370	108.38
3d quarter	0	--	7,829	101.87	11,740	395.25	0	--	6,610	150.21	31,810	210.74
4th quarter												
Total and average												
Winema--												
1st quarter	0	--	620	132.00	360	139.50	0	--	390	117.00	1,440	123.90
2d quarter	0	--	0	--	5,505	283.08	0	--	45	125.99	7,390	258.19
3d quarter	0	--	0	--	28,888	388.67	0	--	1,730	207.76	72,268	220.65
4th quarter												
Total and average												
All eastern Oregon:												
1st quarter	0	--	7,210	44.16	55,170	218.56	0	--	57,130	73.69	165,830	121.49
2d quarter	0	--	4,095	55.50	27,175	271.69	0	--	9,115	62.79	50,234	176.17
3d quarter	0	--	31,014	185.80	103,417	398.84	0	--	22,566	158.61	276,386	220.58
4th quarter												
Total and average												

Table 81--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1991^{a b} (continued)

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

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs ^C		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Eastern Washington:												
Colville--												
1st quarter	0	--	14,010	50.29	600	59.57	0	--	1,145	110.96	38,710	54.72
2d quarter	0	--	16,760	80.04	200	726.08	470	6.67	400	62.21	27,390	94.80
3d quarter	0	--	3,507	126.10	230	437.98	390	179.43	2,400	65.88	14,460	104.29
4th quarter												
Total and average												
Okanogan--												
1st quarter	0	--	4,719	92.79	340	30.97	0	--	0	--	6,609	71.96
2d quarter	0	--	0	--	0	--	0	--	0	--	0	--
3d quarter	0	--	4,575	44.66	3,640	292.36	0	--	0	--	8,215	168.43
4th quarter												
Total and average												
Wenatchee--												
1st quarter	0	--	0	--	0	--	0	--	0	--	0	--
2d quarter	0	--	407	282.62	0	--	0	--	640	254.96	1,177	237.49
3d quarter	0	--	2,704	145.14	0	--	0	--	0	--	3,219	128.22
4th quarter												
Total and average												
All eastern Washington:												
1st quarter	0	--	18,729	61.00	940	49.23	0	--	1,145	110.96	45,319	57.24
2d quarter	0	--	17,167	84.84	200	726.08	470	6.67	1,040	180.82	28,567	100.68
3d quarter	0	--	10,786	96.33	3,870	301.01	390	179.43	2,400	65.88	25,894	127.61
4th quarter												
Total and average												
All eastern Oregon and eastern Washington:												
1st quarter	0	--	25,939	56.32	56,110	215.72	0	--	58,275	74.42	211,149	107.70
2d quarter	0	--	21,262	79.19	27,375	275.01	470	6.67	10,155	74.88	78,801	148.80
3d quarter	0	--	41,800	162.71	107,287	395.31	390	179.43	24,966	149.69	302,280	212.61
4th quarter												
Total and average												
Pacific Northwest Region:												
1st quarter	3,342	359.55	25,939	56.32	56,410	215.60	536	430.17	58,275	74.42	216,749	112.50
2d quarter	1,189	233.63	21,262	79.19	27,375	275.01	576	23.34	12,675	85.27	83,261	149.90
3d quarter	93,024	461.72	43,510	165.34	107,287	395.31	33,288	106.66	34,339	156.54	469,065	248.51
4th quarter												
Total and average												
All of Oregon:												
1st quarter	1,642	416.34	7,210	44.16	55,470	218.42	0	--	57,130	73.69	168,873	124.54
2d quarter	228	371.28	4,095	55.50	27,175	271.69	0	--	11,515	75.13	53,397	175.44
3d quarter	74,557	530.09	32,724	188.08	103,417	398.84	25,211	114.04	28,569	160.43	411,707	263.03
4th quarter												
Total and average												
All of Washington:												
1st quarter	1,700	304.70	18,729	61.00	940	49.23	536	430.17	1,145	110.96	47,876	70.05
2d quarter	961	200.97	17,167	84.84	200	726.08	576	23.34	1,160	185.91	29,864	104.25
3d quarter	18,467	185.71	10,786	96.33	3,870	301.01	8,077	83.62	5,770	137.27	57,358	144.26
4th 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 high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

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

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

Table 82--Volume of timber sold on publicly owned or managed lands in Alaska, 1986-91

(In thousand board feet, Scribner scale)

Agency	1986	1987	1988	1989	1990		1991				Total
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	
USDA Forest Service ^a	255,598	137,587	20,188	168,050	32,174	6,278	827,420	21,175	-817,400		
U.S. Bureau of Land Manage. ^b	322	0	0	21	0	0	0	225	134		
U.S. Bureau of Indian Affairs	0	15,300	0	65	11,700	0	0	R6	53		
State of Alaska	13,111	27,219	25,492	18,764	32,534	855	5,219	3,563	1,833		
Total	269,031	180,106	45,680	186,900	76,407	7,133	832,639	R24,969	-815,380		

R = revised.

^a Convertible products only.

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

Source: Respective agencies listed.

Table 83--Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1986-91

(In dollars per thousand board feet)

Agency	1986	1987	1988	1989	1990		1991				Total
					Average	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	
USDA Forest Service ^a	9.12	26.79	73.61	121.59	60.79	28.32	33.59	46.30	33.41		
U.S. Bureau of Land Manage. ^b	39.79	--	--	64.48	--	--	--	4.00	45.00		
U.S. Bureau of Indian Affairs	--	64.59	--	16.20	341.88	--	--	R134.17	45.70		
State of Alaska	13.88	10.76	28.87	30.35	27.09	9.96	21.93	22.91	20.26		
Average	9.39	27.58	48.64	112.39	89.49	26.12	33.52	R42.60	33.43		

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 high bid value. Road costs and an allowance for sale-area betterment are included in the bid.

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

Source: Respective agencies listed.

Table 84--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1980-91^a

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedars	Other softwoods	All species
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	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	353.59	87.13	209.85	--	175.53
1990 average	337.81	83.55	289.40	--	187.53
1991:					
1st quarter	163.43	21.14	297.30	--	92.32
2d quarter	213.42	23.51	112.71	25.00	91.75
3d quarter	164.32	21.24	303.92	50.74	92.81
4th quarter					
1991 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 85--Volume and average value of all species of all timber products sold from the USDA Forest Service Regions of the Western United States, 1980-91^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
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	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.	125.9	81.87	60.5	52.56	104.3	59.15	54.7	86.71	303.8	140.75	420.7	155.68	852.3	279.08	21.7	39.93
Total and average	750.6	111.23	372.5	49.70	350.4	65.24	401.1	69.75	1,576.8	142.45	1,496.3	144.07	3,380.1	337.73	32.2	60.79
1991:																
1st qtr.	82.3	88.19	46.6	51.99	39.4	77.54	35.5	154.01	96.8	146.99	238.3	139.75	102.8	243.83	827.4	33.59
2d qtr.	147.9	83.04	116.6	52.35	31.5	21.07	69.0	59.41	152.0	107.05	160.4	136.82	52.7	169.76	21.2	46.30
3d qtr.	316.4	98.95	67.3	30.11	107.0	62.13	123.4	54.69	328.6	189.32	195.1	103.94	83.5	242.33	-817.4	33.41
4th qtr.																
Total and average																

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

^b Does not include long-term timber contracts.

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

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

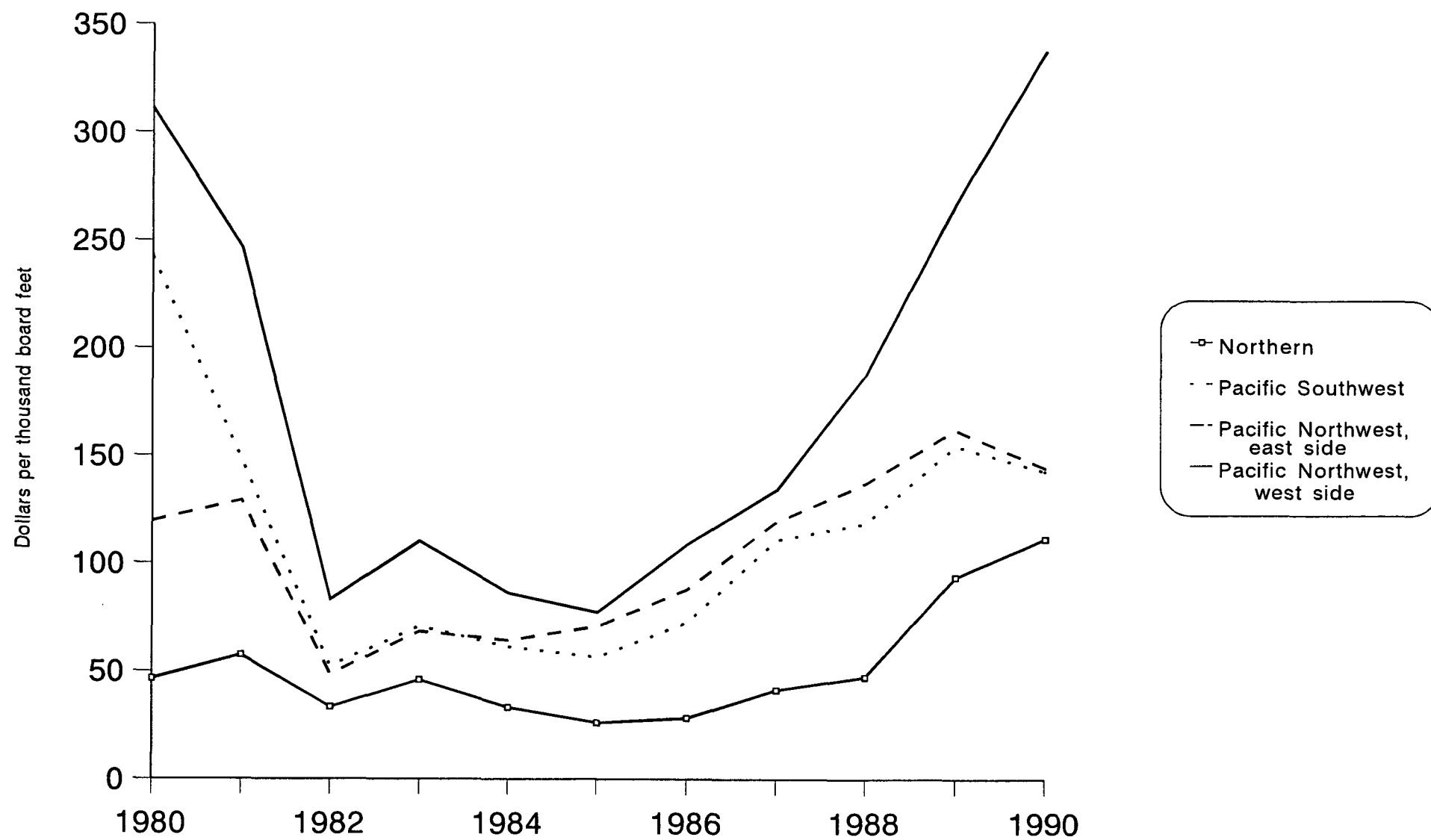


Table 86—Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1980-91^a

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

Year	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region—east side		Pacific Northwest Region—west side		Alaska Region	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
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	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.	218.0	64.77	134.3	25.79	120.5	35.10	141.6	42.68	336.6	93.44	480.8	116.15	426.5	227.26	118.3	47.67
Total and average	904.5	68.55	383.8	29.81	361.7	40.50	408.2	51.95	1,521.1	123.13	1,546.0	122.53	1,941.8	237.93	475.0	39.48
1991:																
1st qtr.	96.6	84.29	81.7	47.96	45.4	32.18	50.8	66.73	70.7	61.89	277.3	142.70	252.4	251.93	44.8	135.99
2d qtr.	106.4	72.73	41.4	48.78	72.2	66.87	35.0	59.52	335.8	147.24	249.7	145.37	464.0	258.90	88.2	11.07
3d qtr.	378.6	78.79	143.2	34.61	106.0	61.19	132.6	62.47	570.2	146.55	471.3	137.01	542.9	246.99	113.3	9.22
4th qtr.																
Total and average																

Note: Negative stumpage value caused by emergency rate redeterminations.

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

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

Table 87--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, 1986-90^a

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

Species and year	Coast ^d		Interior ^e		Species and year	Coast ^d		Interior ^e	
	Volume	Average value	Volume	Average value		Volume	Average value	Volume	Average value
Balsam:					Lodgepole pine:				
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
1990	3,049	8.70	5,707	6.30	1990	8	6.49	17,328	6.40
Cedar:					Spruce:				
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	3,791	9.57	1,180	4.34	1989	690	10.66	11,757	7.74
1990	3,911	10.42	1,210	3.64	1990	739	12.41	13,633	8.31
Cypress:					White pine:				
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
1990	570	9.97	6	2.19	1990	25	8.53	146	7.32
Fir:					Other species:				
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
1990	1,556	8.11	2,925	8.62	1990	106	1.17	318	1.98
Hemlock:					All species:				
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
1990	6,783	9.37	3,321	1.77	1990	16,747	R9.48	44,971	6.67
Larch:									
1986	0	--	318	1.45					
1987	0	--	261	1.62					
1988	0	--	325	3.86					
1989	0	--	382	5.90					
1990	0	--	377	7.26					

R = revised.

^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 88--Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1981-91^a

(In million board feet, Scribner log rule)

Year	California	Montana	Idaho ^b		Oregon ^c	Washington ^c
			Northern	Southern		
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
1991	1,784.9	638.0	1,078.0	468.3	3,942.2	1,403.4

^a As of June 30 unless otherwise noted.

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

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

^d As of September 30.

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

Table 89--Fiscal year sale program volume on National Forest lands in Oregon and Washington, 1981-91

(In million board feet, Scribner scale)

Fiscal year	Oregon ^a	Washington	Total
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
1991	2,625	653	3,278

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 90--Sale quantity and uncut volume under contract on Bureau of Land Management lands in Oregon, 1981-91

(In million board feet, Scribner scale)

Year	Sale quantity	Uncut volume under contract	Ratio
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
1991	462	925	2.0

Source: Bureau of Land Management.

Table 91--Allowable annual cut and uncut volume under contract on Oregon State lands, 1980-90^a

(In million board feet, Scribner scale)

Year	Allowable cut	Uncut volume under contract	Ratio
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
1990	180	219	1.2

^a As of December 31.

Source: State of Oregon, Department of Forestry.

Table 92--Sustainable harvest and uncut volume under contract on Washington State lands, 1981-91^a

(In million board feet, Scribner scale)

Year	Sustainable harvest	Uncut volume under contract	Ratio
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
1991	840	856	1.0

^a As of June 30.

Source: State of Washington, Department of Natural Resources.

Table 93--Small business set-aside sales and total sales on the National Forests, Pacific Northwest Region, 1986-91

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	15	34	12	56	6	30	15	93	2	55
1991:										
1st qtr.	4	8	0	4	0	6	0	2	0	8
2d qtr.	0	7	0	6	2	3	1	3	0	8
3d qtr.	2	9	1	13	2	12	3	7	3	14
4th qtr.										
1991 total										
	Mount Baker-Snoqualmie		Mount Hood		Ochoco		Okanogan		Olympic	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
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	24	82	20	100	11	32	2	20	4	49
1991:										
1st qtr.	1	1	0	0	5	11	0	3	0	1
2d qtr.	1	3	1	4	0	1	0	0	0	0
3d qtr.	1	5	3	23	0	6	0	5	0	7
4th qtr.										
1991 total										
	Rogue River		Siskiyou		Siuslaw		Umatilla		Umpqua	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
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	26	51	8	50	10	88	1	33	25	116
1991:										
1st qtr.	1	1	0	0	0	0	0	4	0	3
2d qtr.	0	0	0	0	0	3	1	2	0	0
3d qtr.	3	3	1	1	1	4	0	10	1	8
4th qtr.										
1991 total										
	Wallowa-Whitman		Wenatchee		Willamette		Winema		All forests	
	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales	Set-aside sales	Total sales
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	4	37	0	59	85	205	12	26	282	1,215
1991:										
1st qtr.	2	3	0	0	2	2	0	3	15	60
2d qtr.	0	2	1	3	0	0	0	3	7	48
3d qtr.	0	18	0	5	4	29	3	11	28	190
4th qtr.										
1991 total										

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

Table 94--Volume and average value of timber sold on set-aside sales on the National Forests, Pacific Northwest Region, 1986-91

(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
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	75,315	82.93	4,589	243.43	37,110	217.36	5,550	267.83	780	347.25
1991:										
1st qtr.	34,700	52.90	0	--	0	--	0	--	0	--
2d qtr.	0	--	0	--	9,300	195.74	155	308.57	0	--
3d qtr.	350	85.65	2,350	79.39	4,600	232.38	4,230	223.11	945	134.38
4th qtr.										
1991 total										
	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	57,990	207.09	2,901	308.70	51,390	223.10	1,690	27.64	775	238.75
1991:										
1st qtr.	21	195.00	0	--	16,950	283.26	0	--	0	--
2d qtr.	16	261.01	85	450.00	0	--	0	--	0	--
3d qtr.	440	134.97	626	226.49	0	--	0	--	0	--
4th qtr.										
1991 total										
	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	51,970	293.37	2,378	231.64	2,678	270.04	580	20.81	5,305	319.21
1991:										
1st qtr.	325	73.60	0	--	0	--	0	--	0	--
2d qtr.	0	--	0	--	0	--	194	87.31	0	--
3d qtr.	320	214.80	170	25.10	250	298.00	0	--	30	275.00
4th qtr.										
1991 total										
	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	4,300	94.88	0	--	22,713	275.73	53,915	181.87	381,929	200.27
1991:										
1st qtr.	1,600	70.00	0	--	110	309.15	0	--	53,706	126.82
2d qtr.	0	--	280	249.57	0	--	0	--	10,030	199.15
3d qtr.	0	--	0	--	13,410	403.78	20,730	280.08	48,451	287.59
4th qtr.										
1991 total										

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

Warren, Debra D. 1992. Production, prices, employment, and trade in Northwest forest industries, third quarter 1991. Resour. Bull. PNW-RB-190. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 112 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).

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

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