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Production, Prices, Employment, and Trade in Northwest Forest Industries, Third Quarter 1988

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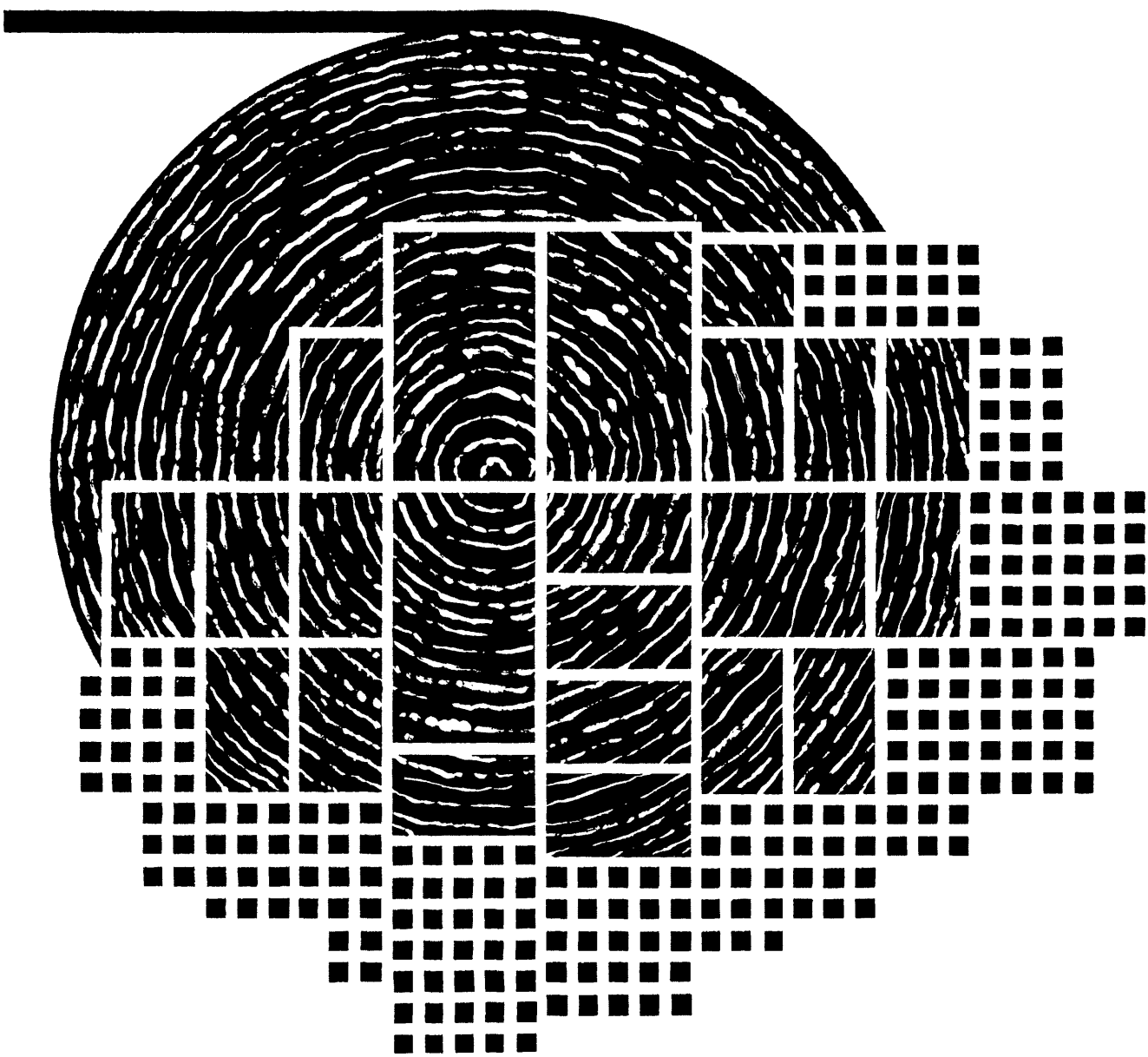

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ABSTRACT

Warren, Debra D. 1989. Production, prices, employment, and trade in Northwest forest industries, third quarter 1988. Resour. Bull. PNW-RB-162. Portland, OR: US. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 88 p.

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

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

PREFACE

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

Historical data for the years before 1977 are in the 1979 issues of "Production, Prices, Employment, and Trade in Northwest Forest Industries." Log price tables were last published in the second quarter of 1986; they will not be published again.

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

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

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Year	Softwood lumber production				US. softwood structural panel board production'
	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
1977	21,105	8,796	2,000	10,309	19,677
1978	20,780	8,845	1,902	10,033	19,936
1979	20,025	8,427	1,818	9,780	20,022
1980	16,017	6,815	1,589	7,613	16,573
1981	14,869	6,270	1,452	7,147	17,073
1982	13,724	5,743	1,300	6,681	17,150
1983	18,002	7,934	1,580	8,488	20,926
1984	18,985	8,329	1,664	8,992	22,446
1985	19,068	8,062	1,730	9,276	23,129
1986	21,915	9,412	2,021	10,482	25,911
1987	23,667	10,191	2,202	11,274	27,752
1988:					
January	1,785	716	190	879	2,239
February	1,978	809	183	986	2,356
March	2,015	826	190	999	2,599
Total, 1st quarter	5,778	2,351	563	2,864	7,194
April	1,995	806	202	987	2,330
May	2,020	818	191	1,011	2,415
June	1,766	734	193	839	2,316
Total, 2d quarter	5,781	2,358	586	2,837	7,061
July	1,551	668	169	714	2,035
August	1,718	751	180	787	2,341
September	1,970	840	190	940	2,265
Total, 3d quarter	5,239	2,259	539	2,441	6,641
October					
November					
December					
Total, 4th quarter					
1988 total					
	3d quarter 1988 change, in percent				
From:					
2d quarter 1988	-9.4	-4.2	-8.0	-14.0	-6.0
3d quarter 1987	-10.7 .	-9.1	-5.4	-13.3	-6.5

[a] Includes small amounts of hardwood.

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

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

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

Table 2--Lumber production in Northwest States, 1977-87

(In million board feet)

Year	Washington	Oregon	California[a]	Montana	Idaho
1977	4,031	7,509	5,052	1,250	1,976
1978	4,150	7,416	4,853	1,256	1,932
1979	3,841	7,312	4,639	1,257	1,893
1980	3,161	5,784	3,768	983	1,391
1981	3,243	5,115	3,224	1,032	1,319
1982	3,059	4,682	2,987	895	1,245
1983	3,821	6,579	3,574	1,316	1,657
1984	3,697	7,202	3,891	1,387	1,686
1985	3,419	7,211	4,168	1,445	1,676
1986	4,132	8,149	4,865	1,563	1,876
1907	4,645	8,846	5,408	1,640	2,016

[a] Includes 1 mill in Nevada.

Source: Western Wood Products Association, Portland, Oregon.

Table 3--Softwood lumber production in the inland region, by species, 1977-87[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
1977	10,309	4,046	293	230	2,343	1,762	434	547	654
1978	10,033	3,970	245	213	2,370	1,724	374	498	639
1979	9,780	3,728	198	201	2,333	1,794	365	419	742
1980	7,613	3,023	166	184	1,644	1,334	262	402	598
1981	7,147	2,770	164	173	1,570	1,147	269	419	635
1982	6,681	2,649	113	141	1,509	1,029	313	376	551
1983	8,488	3,378	163	192	1,851	1,272	323	532	777
1984	8,992	3,537	132	215	1,905	1,524	431	618	630
1985	9,276	3,430	114	258	2,050	1,701	433	534	756
1986	10,482	3,759	115	258	2,330	2,055	547	747	671
1987	11,407	3,816	110	321	2,683	2,353	425	932	767

[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, 1977-87[a]

(In million board feet)

Year	All species	Douglas-fir	Hem-fir[b]	Western redcedar	Incense cedar	Pine	Other softwoods	Hardwoods
1977	8,796	5,567	2,413	382	0	215	88	131
1978	8,845	5,458	2,444	434	0	277	67	165
1979	8,427	5,228	2,320	346	52	254	48	179
1980	6,815	4,261	1,791	308	55	217	21	162
1981	6,270	3,817	1,660	347	60	198	30	158
1982	5,743	3,570	1,427	335	43	193	19	156
1983	7,934	5,088	1,877	445	55	270	20	179
1984	8,329	5,538	1,753	426	79	288	16	229
1985	8,062	5,449	1,555	432	69	316	12	229
1986	9,412	6,479	1,781	475	72	322	13	270
1987	10,354	7,064	1,988	538	84	357	27	296

[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, 1977-87[a]

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

Year	Total	Oregon	Washington	California	Montana, Idaho, and Colorado	Southern States[b]	Northern States[c]
1977	19,376.2	8,109.2	2,013.0	552.0	1,255.0	7,447.0	0
1978	19,964.4	8,226.4	2,084.2	510.7	1,245.0	7,898.1	0
1979	19,653.0	7,929.0	1,727.0	463.0	1,205.0	8,329.0	0
1980	16,468.0	6,179.0	1,333.0	319.0	1,088.0	7,393.0	156.0
1981	17,022.9	5,561.6	1,381.7	351.1	1,129.7	8,306.8	292.0
1982	16,402.6	5,113.9	1,165.8	195.5	874.4	8,455.7	597.3
1983	20,767.0	6,719.0	1,369.0	260.0	1,152.0	9,967.0	1,300.0
1984	21,967.8	6,779.4	1,539.8	232.1	1,131.0	10,511.9	1,773.6
1985	22,838.2	6,750.3	1,645.2	160.8	1,293.2	11,033.8	1,955.0
1986	25,632.8	7,826.3	1,718.6	121.6	1,405.6	12,272.1	2,288.5
1987	27,001.4	8,381.2	1,712.2	102.9	1,528.5	12,854.9	2,421.7

[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, 1977-87

Year	Softwood lumber production			Softwood plywood production
	Total	Coast	Interior	
	Million board feet			Million ft^2, 3/8-inch basis
1977	12,038	4,499	7,539	2,343
1978	12,545	4,803	7,742	2,510
1979	12,517	4,657	7,860	2,307
1980	11,979	4,252	7,727	2,230
1981	10,424	3,458	6,966	1,923
1982	9,944	3,002	6,942	1,616
1983	13,043	4,140	8,903	1,992
1984	13,078	3,903	9,175	1,754
1985	14,004	3,996	10,008	1,855
1986	13,335	3,753	9,582	1,733
1987	15,888	4,674	11,214	2,144

Source: Dominion Bureau of Statistics, Ottawa, Canada.

Table 7--Wholesale prices of selected lumber products, 1977-88

(In dollars per thousand board feet)

Year	Douglas-fir std. and btr., 2 by 4 RL, 8/12', 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
1977	213.00	229.00	380.00	202.00	173.00
1978	241.00	263.00	459.00	238.00	209.00
1979	260.00	309.00	479.00	201.00	225.00
1980	209.00	296.00	478.00	201.00	168.00
1981	190.00	296.00	483.00	181.00	158.00
1982	167.00	253.00	357.00	160.00	141.00
1983	222.00	258.00	571.00	213.00	185.00
1984	202.01	285.94	495.50	189.70	153.35
1985	206.15	235.01	494.27	189.91	153.34
1986	214.94	257.48	581.02	207.63	182.26
1987	227.52	268.99	634.79	222.58	200.15
1988:					
January	224.00	269.75	605.00	202.25	187.75
February	234.25	288.75	605.00	222.00	193.25
March	230.00	287.50	606.25	220.25	189.75
Average, 1st quarter	229.42	282.00	605.42	214.83	190.25
April	239.00	258.20	625.00	222.20	189.00
May	222.50	260.00	647.50	208.00	183.75
June	238.50	278.75	667.50	223.25	201.25
Average, 2d quarter	233.33	265.65	646.67	217.82	191.33
July	248.00	302.00	690.00	227.80	202.40
August	225.00	256.75	700.00	203.75	177.75
September	233.40	271.40	675.00	220.80	177.00
Average, 3d quarter	235.47	276.72	688.33	217.45	185.72
October					
November					
December					
Average, 4th quarter					
1988 average					
	3d quarter 1988 change, in percent				
From:					
2d quarter 1988	.9	4.2	6.4	-.2	-2.9
3d quarter 1987	1.4	11.1	5.1	-7.2	-10.2

Source: Random Lengths Publications, Inc.

Table 8--Wholesale. prices of selected softwood plywood products, 1977-88

(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
1977	157.00	159.00	183.00
1978	169.00	174.00	214.00
1979	164.00	156.00	221.00
1980	155.00	155.00	211.00
1981	148.00	140.00	203.00
1982	135.00	139.00	185.00
1983	154.00	158.00	179.00
1984	151.76	150.24	170.93
1985	150.08	146.77	175.52
1986	157.22	151.31	176.06
1987	151.17	150.98	184.88
1988:			
January	153.75	151.75	191.25
February	146.75	145.75	189.25
March	144.25	140.75	187.50
Average, 1st quarter	148.25	146.08	189.33
April	143.40	135.20	183.80
May	136.25	131.00	178.25
June	156.25	141.50	187.00
Average, 2d quarter	145.30	135.90	183.02
July	161.60	137.00	188.80
August	147.00	129.50	180.00
September	166.00	145.80	160.60
Average, 3d quarter	158.20	137.43	176.47
October			
November			
December			
Average, 4th quarter			
1988 average			
	- - - - - - - 3d quarter 1988 change, in percent - - - - - -		
From:			
2d quarter 1988	8.9	1.1	-3.6
3d quarter 1987	.5	-9.6	-5.2

[a] Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

Table 9--F.o.b. mill prices for Douglas-fir lumber, coast mills, 1977-88[a]

(In dollars per thousand board feet)

Year	C selects	D selects and shop	Structural items	Utility	Light framing	Heavy framing	Economy
1977	503.86	342.38	288.67	147.56	215.43	260.68	60.61
1978	592.86	406.35	324.74	170.03	235.28	284.49	85.69
1979	891.29	480.10	409.96	179.20	245.72	334.22	85.89
1980	929.30	505.72	365.27	150.12	207.37	270.80	85.46
1981	746.77	426.09	328.91	136.73	192.99	262.91	83.25
1982	647.96	375.11	283.02	126.45	159.43	198.34	77.91
1983	684.91	425.96	261.85	161.77	200.75	222.39	87.33
1984	688.00	407.27	249.18	136.60	189.29	222.89	71.69
1985	671.46	409.79	248.70	130.79	190.04	226.08	67.63
1986	726.38	404.98	239.98	131.92	190.79	228.56	66.59
1987	836.60	411.49	256.85	138.33	206.31	258.13	66.17
1988:							
1st quarter	900.98	428.82	264.82	129.40	209.33	272.15	75.58
2d quarter	939.99	474.95	294.36	136.59	215.74	296.66	82.49
3d quarter	942.72	509.72	315.21	146.05	226.01	296.01	91.98
4th quarter							
1988 average							

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

Source: Data from Western Wood Products Association; individual groupings from Pacific Northwest Research Station.

Table 10--F.o.b. mill prices for ponderosa pine lumber, inland mills, 1977-88[a]

(In dollars **per** thousand board feet)

Year	C and btr.	D and molding	Shop	No. 2 and btr. common	No. 3 common and framing	Economy
1977	773.14	512.85	340.46	305.69	194.45	134.32
1978	998.72	836.36	399.95	356.42	230.21	166.97
1979	1,367.68	885.62	399.08	400.78	259.12	162.55
1980	1,175.96	716.70	399.46	349.00	235.24	146.63
1981	1,103.15	733.41	434.64	319.04	241.04	151.19
1982	1,086.03	832.35	314.69	308.70	202.36	120.16
1983	1,180.07	953.69	489.75	339.04	222.75	148.12
1984	1,320.98	854.78	440.64	364.86	232.83	131.96
1985	1,441.75	941.28	440.25	368.01	208.35	130.54
1986	1,476.10	1,009.51	494.51	370.47	226.37	142.96
1987	1,524.29	1,220.54	315.28	402.36	244.56	151.89
1988:						
1st quarter	1,766.39	1,268.95	302.07	460.26	248.74	144.83
2d quarter	1,836.39	1,349.92	533.55	405:03	252.62	151.51
3d quarter	1,871.27	1,168.66	551.66	412.46	247.98	161.16
4th quarter						
1988 average						

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

Source: Data from.Western Wood Products Association; individual groupings from Pacific Northwest Research Station.

Table 11--F.o.b. mill prices for hem-fir lumber, inland mills, 1977-88[a]

(In dollars per thousand board feet)

Year	Molding	Shop	Structural	Common	Utility	Economy
1977	412.07	266.43	244.95	199.01	131.94	59.85
1978	556.87	309.41	262.15	228.45	157.69	85.33
1979	653.70	341.24	280.99	255.71	155.94	85.18
1980	593.99	292.88	226.57	204.50	131.27	81.81
1981	602.00	318.48	216.68	200.21	128.50	89.09
1982	583.87	244.76	185.21	170.64	115.77	77.07
1983	654.74	345.73	246.14	210.69	154.80	89.88
1984	555.30	269.39	224.69	192.86	128.58	76.40
1985	510.70	323.09	225.09	199.01	128.03	75.80
1986	604.75	308.25	239.95	214.51	131.70	71.62
1987	705.55	354.34	261.03	239.05	131.69	74.56
1988:						
1st quarter	690.17	277.28	259.91	236.43	123.60	69.45
2d quarter	744.18	359.42	277.63	243.51	134.70	84.24
3d quarter	736.14	464.80	284.91	244.51	142.42	95.00
4th quarter						
1988 average						

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

Source: Data from Western Wood Products Association: individual groupings from Pacific Northwest Research Station.

Table 12--F.o.b. mill prices for hem-fir lumber, coast mills, 1977-88[a]

(In dollars per thousand board feet)

Year	C selects	D selects and shop	Structural items	Utility	Light framing	Heavy framing	Economy
1977	453.47	287.35	228.56	135.09	192.22	235.67	57.92
1978	587.38	345.35	258.57	163.63	222.05	255.96	85.29
1979	676.35	400.43	289.89	159.61	233.98	302.34	77.90
1980	718.47	404.63	257.10	131.65	194.50	244.92	77.52
1981	661.05	361.55	228.81	131.25	183.16	244.37	78.95
1982	712.09	319.28	201.77	122.68	158.15	208.85	70.27
1983	737.35	385.69	244.52	156.00	204.83	240.19	96.87
1984	683.23	348.47	226.70	128.40	187.06	228.20	78.74
1985	638.24	336.70	226.15	123.02	189.12	232.11	79.00
1986	605.50	343.38	241.59	128.57	197.16	248.01	75.16
1987	601.28	413.60	272.50	130.74	214.65	285.71	75.89
1988:							
1st quarter	664.90	439.73	271.91	129.45	215.72	277.87	76.40
2d quarter	649.14	466.63	282.60	137.12	221.30	299.91	84.88
3d quarter	675.60	484.26	285.14	142.11	225.19	303.41	98.75
4th quarter							
1988 average							

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

Source: Data from Western Wood Products Association; individual groupings from Pacific Northwest Research Station.

Table 13–Washington and Oregon timber harvest by ownership, 1977-87

(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:							
1977	4,068	797	1,171	4	477	75	6,592
1978	4,036	955.	1,261	3	460	36	6,751
1979	4,068	1,095	1,276	a	432	98	6,969
1980	3,507	745	1,089	0	336	43	5,720
1981	3,266	468	875	1	260	20	4,890
1982	3,740	440	728	1	152	18	5,079
1983	4,025	549	1,240	8	238	28	6,088
1984	3,545	795	1,189	2	205	66	5,802
1985	3,561	1,013	1,128	5	213	43	5,963
1986	R3,989	1,064	1,232	R4	R235	R32	R6,556
1987	4,367	970	1,423	5	238	35	7,037
Oregon:							
1977	3,590	228	2,913	1,021	115	11	7,876
1978	3,549	235	3,235	1,039	121	22	7,997
1979	3,209	223	3,167	956	111	29	7,694
1980	3,134	186	2,399	797	105	19	6,639
1981	2,702	216	1,981	677	95	24	5,695
1982	3,440	175	1,688	312	126	17	5,758
1983	3,374	257	2,902	789	112	31	7,464
1984	3,078	249	3,164	920	101	38	7,550
1985	3,332	268	3,480	891	121	34	8,127
1986	3,494	225	3,850	1,042	104	28	8,743
1987	**3,281**	**199**	**3,451**	**1,115**	**117**	**52**	**8,215**

R = revised.

[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 14--Montana and Idaho timber harvest by ownership, 1977-87

(In million board feet, Scribner scale)

State and year	Private	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest	Total
Montana:						
1977	556.8	18.8	46.0	5.1	498.9	1,125.6
1978	626.7	27.5	53.6	5.1	458.6	1,171.5
1979	567.5	28.3	42.6	5.4	451.7	1,095.5
1980	466.6	26.0	38.0	5.6	408.6	944.8
1981	434.0	28.9	38.0	9.1	432.5	942.5
1982	492.4	29.5	29.8	10.6	274.5	836.8
1983	568.7	27.1	37.9	14.8	569.2	1,217.7
1984	555.6	24.9	45.0	5.3	479.3	1,110.0
1985	560.1	26.0	18.8	7.9	551.4	1,164.2
1986	708.0	26.2	13.1	9.1	515.4	1,271.8
1987	687.4	55.6	24.0	6.6	638.3	1,411.9
Idaho:						
1977	734.8	161.5	4.1	20.9	826.5	1,747.8
1978	767.6	218.7	11.4	17.5	841.6	1,856.8
1979	786.0	162.7	8.9	15.7	833.5	1,806.9
1980	857.6	140.8	4.5	15.9	606.0	1,624.8
1981	727.7	149.5	8.6	18.9	564.0	1,468.7
1982	642.2	82.3	10.9	17.7	450.2	1,203.3
1983	727.0	155.0	19.2	21.8	791.1	1,714.1
1984	860.8	197.5	17.5	13.3	687.8	1,776.8
1985	646.2	170.4	14.1	24.4	733.6	1,588.7
1986	684.0	161.8	12.2	22.8	809.9	1,690.7
1987	722.2	176.7	18.9	18.9	788.4	1,725.0

Source: Respective agencies.

Table 15–British Columbia timber harvest, 1977-87

(in thousand cubic meters)

Year	Coast[a]	Interior[b]	Total
1977	28 558	41 412	69 970
1978	32 328	42 835	75 163
1979	30 568	45 627	76 195
1980	30 174	44 090	74 804
1981	31 243	41 341	72 584
1982	21 352	34 879	56 231
1983	26 846	44 597	71 443
1984	27 229	47 328	74 557
1985	27 722	49 146	76 868
1976	32 192	37 226	62 418
1976	32 192	37 226	62 418
1986	26 561	50 942	77 503
1987	33 791	56 800	90 591

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

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

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

Table 16—Alaska timber harvest by ownership, 1977-87

(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	
1977	60.251	0	6.145	325	29	354	412,331	8.369	420.700	487,450
1978	30,301	0	4,040	1.862	149	2,011	398.701	9.873	408,574	444.926
1979	32.382	0	2.629	656	159	815	453.200	6.300	459.500	495,326
1980	47,547	70.300	17,000	484	50	534	452,121	1,565	453,686	589,067
1981	53.687	122,000	702	330	32	362	385,690	1,814	387,504	564,255
1982	35.198	209.200	2.895	340	79	419	344,857	679	345.536	593.248
1983	35.511	232.000	5,900	346	30	376	251,177	751	251.927	525.714
1984	28,044	202,000	0	0	0	0	260,977	545	261.522	491,566
1985	12,864	263,300	871	205	66	271	265,300	354	265,654	542.960
1986	18.995	298.700	0	0	252	252	271,579	563	272,142	590.089
1987	25.800	335,000	0	185	0	185	339,200	13.031	352.231	687,416

Source: Respective agencies.

Table 17—California timber harvest 0y ownership, 1977-87

(In million board feet, Scribner scale)

Year	Private[a]	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest[a]	Total
1977	2,964	28	38	19	1,738	4,787
1978	2,783	28	47	8	1,798	4,664
1979	2,265	26	48	18	1,727	4,084
1980	1,863	20	42	8	1,508	3,441
1981	1,722	15	22	7	1,093	2,859
1982	1,501	42	8	9	937	2,497
1983	1,890	43	14	25	1,676	3,648
1984	2,093	34	21	7	1,559	3,714
1985	2,172	36	5	17	1,826	4,056
1986	2,313	29	27	27	1,963	4,359
1987	2,582	42	41	15	1,969	4,649

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

Source: Respective agencies.

Table 18—Employment in forest products industries in Washington and Oregon, 1977-88

(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
1977	161.4	133.3	28.1	71.6	53.9	17.7	89.8	79.4	10.4
1978	159.3	136.5	22.8	69.1	55.1	14.0	90.2	81.4	8.8
1979	159.4	133.8	25.6	68.4	52.6	15.8	91.0	81.2	9.8
1980	144.0	116.0	28.0	64.1	46.5	17.6	79.9	69.5	10.4
1981	135.7	08.2	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	03.7	25.0	56.8	41.1	15.7	71.9	62.6	9.3
1984	132.9	07.7	25.2	57.2	41.0	16.2	75.7	66.7	9.0
1985	126.1	00.9	25.2	53.4	37.3	16.0	72.7	63.6	9.1
1986	126.0	00.6	25.4	53.1	36.7	16.4	72.9	63.9	9.0
1987	131.9	05.8	26.2	56.5	39.2	17.3	75.4	66.5	8.9
1988:									
January	132.1	06.6	25.5	55.6	39.2	16.4	76.5	67.4	9.1
February	131.6	06.2	25.4	55.6	39.3	16.3	76.0	66.9	9.1
March	131.8	106.3	25.5	56.0	39.6	16.4	75.8	66.7	9.1
Average, 1st quarter	131.8	106.4	25.5	55.7	39.4	16.4	76.1	67.0	9.1
April	132.7	107.2	25.5	56.5	40.1	16.4	76.2	67.1	9.1
May	134.1	108.9	25.2	57.3	40.7	16.6	76.8	68.2	8.6
June	135.3	109.0	26.3	58.3	41.3	17.0	77.0	67.7	9.3
Average, 2d quarter	134.1	108.4	25.7	57.4	40.7	16.7	76.7	67.7	9.0
July	134.0	107.7	26.3	56.9	39.7	17.2	77.1	68.0	9.1
August	134.2	108.2	26.0	56.6	39.5	17.1	77.6	68.7	8.9
September	135.1	109.3	25.8	58.6	41.6	17.0	76.5	67.7	8.8
Average, 3d quarter	134.4	108.4	26.0	57.4	40.3	17.1	77.1	68.1	8.9
October									
November									
December									
Average, 4th quarter									
1988 average									
	3d quarter 1988 change in employment								
From:									
2d qtr. 1988	.3	0.0	.3	0.0	-.4	.4	.4	.4	.1
3d qtr. 1987	-2.5	-1.8	-.7	-1.3	-.8	-.5	-1.1	-1.0	-.2

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

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

Table 19—Employment in forest products industries in California and Alaska, 1977-88

(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
1977	104.2	66.6	37.6	3.6	2.2	1.4
1978	107.1	69.9	37.2	2.9	1.8	1.1
1979	107.8	68.7	39.1	3.0	2.0	1.0
1980	101.3	62.6	38.7	3.4	2.3	1.1
1981	96.6	57.9	38.7	2.8	1.9	.9
1982	83.7	46.2	37.5	2.6	1.8	.8
1983	87.5	50.2	37.3	2.7	1.9	.8
1984	94.5	55.4	39.1	2.2	1.6	.6
1985	95.7	55.9	39.8	2.3	1.7	.6
1986	99.0	59.5	39.6	2.7	1.9	.8
1987	107.5	66.2	41.3	3.1	2.2	.9
1988:						
January	102.0	62.1	39.9	2.1	1.2	.9
February	102.5	62.3	40.2	2.5	1.6	.9
March	104.6	64.2	40.4	3.1	2.2	.9
Average, 1st quarter	103.0	62.9	40.2	2.6	1.7	.9
April	107.3	66.8	40.5	3.5	2.6	.9
May	108.9	68.3	40.6	3.8	2.8	1.0
June	111.4	70.4	41.0	4.1	3.1	1.0
Average, 2d quarter	109.2	68.5	40.7	3.8	2.8	1.0
July						
August						
September						
Average, 3d quarter						
October						
November						
December						
Average, 4th quarter						
1988 average						
	- - - - - - - - - - - - - 2d quarter 1988 change in employment - - - - - - - - - - - - -					
From:						
1st quarter 1988	6.2	5.6	.5	1.2	1.1	.1
2d quarter 1987	.2	1.6	-1.4	.7	.6	.1

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

Table 20--Employment in forest products industries in Montana and Idaho, 1977-88

(In thousands of persons)

Year	Montana		Idaho		
	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1977	9.3	a	19.0	17.8	1.2
1978	10.7	a	20.1	18.8	1.3
1979	11.1	a	19.9	18.5	1.4
1980	8.7	a	17.5	16.1	1.4
1981	8.8	a	16.6	15.1	1.5
1982	6.8	a	13.6	12.1	1.5
1983	8.0	a	15.7	14.0	1.7
1984	8.3	a	15.6	13.9	1.7
1985	8.4	a	15.4	13.6	1.8
1986	8.1	a	15.0	13.1	1.8
1987	8.3	a	15.1	13.3	1.8
1988:					
January	8.2	a	15.1	13.3	1.8
February	8.2	a	14.8	13.0	1.8
March	7.8	a	13.6	11.8	1.8
Average, 1st quarter	8.1	a	14.5	12.7	1.8
April	7.7	a	14.2	12.4	1.8
May	8.0	a	14.8	13.0	1.8
June	7.8	a	15.9	14.0	1.9
Average, 2d quarter	7.8	a	15.0	13.1	1.8
July	7.7	a	16.1	14.2	1.9
August	7.4	a	17.0	15.1	1.9
September	8.3	a	17.4	15.6	1.8
Average, 3d quarter	7.8	a	16.8	15.0	1.9
October					
November					
December					
Average, 4th quarter					
1988 average					
	- - - - - - - - - - - - 3d quarter 1988 change in employment - - - - - - - - - - - -				
From:					
2d quarter 1988	0.0	a	1.8	1.9	.1
3d quarter 1987	.9	a	1.4	1.4	.1

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

a Withheld to avoid disclosing figures for individual companies.

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

Table 21--Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88

(In thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO ALL COUNTRIES											
1977	2.555.615	966,763	16.721	1,572,131	1,674,860	556.419	1,118,441	880,755	410.344	16,721	453.690
1978	2,847,394	1.139.267	24,493	1,683.634	1,915,979	619,500	1,296,479	931,415	519,767	24.493	387.155
1979	3.233.652	1.309.179	22.693	1.901.780	2,239,963	732.392.	1,517.571	983.689	576,787	22.693	384.209
1980	2.631.817	1.262.210	12.300	1.357.307	1.699.138	645,073	1,054.065	932.679	617,137	12.300	303,242
1981	1.987.159	1,017.754	15.520	954.485	1,315,882	579.034	736.848	671,277	438.120	15.520	217,637
1982	2.567.644	1.427.835	11,299	1,128.510	1,596,793	729,844	866.949	970.851	697.991	11,299	261,561
1983	2.591.519	1,417.718	8.932	1,164.869	1,739,776	796,299	943.477	851,743	621,419	8.932	221,392
1984	2,722,243	1.568.803	11,124	1,142.316	1,739,184	847,295	941,889	933,059	721,508	11,124	200,427
1985	3.004.125	1,749,683	12,367	1,242.075	1,878,870	844.281	1,034,589	1.125.255	905,402	12,367	207.486
1986	2.780.1 08	1.610.708	12,164	1.157.236	1,738,612	765.664	972.948	1,041.496	845,044	12.164	184.288
1987:											
1st qtr.	775,764	459.423	3.265	313.076	470,706	221,274	249,432	305.058	238.149	3,265	63.644
2d qtr.	762.660	436.028	1.320	325,312	518,176	241,266	276.910	244.484	194.762	1,320	48.402
3d qtr.	882,036	522,122	4.055	355,859	577,946	275,276	302,670	304.090	246,846	4.055	53,189
4th qtr.	747,098	426,964	3.442	316,692	496.637	245,472	251,165	250.461	181,492	3.442	65,527
1987 total	3.167.558	1.844.537	12.082	1,310,939	2,063,465	983,288	1.080.177	1.104.093	861.249	12,082	230.762
1988:											
1st qtr.	901.658	540,842	2,909	357.907	587.660	302,932	284.728	313.998	237,910	2.909	73.179
2d qtr.	1.129.780	746,946	4.493	378,341	688.848	388,780	300.068	440,932	358,166	4,493	78.273
3d qtr.	900.850	540.499	3.946	356.405	561,520	290,646	270.874	339.330	249,853	3,946	85.531
4th qtr.											
1988 total											
TO JAPAN											
1977	2,348,325	933.813	16.721	1,397.791	1.496.627	526,255	970,372	851,698	407.558	16,721	427,419
1978	2,521.885	1,103,562	22.814	1,395,509	1,630.247	589,654	1,040,593	891,638	513,908	22,814	354,916
1979	2,959,726	1.279.177	20.611	1.659.938	1,998.315	705,921	1,292,394	961,411	573.256	20,611	367,544
1980	2.344.322	1.175.407	12.300	1.156.615	1,488,494	602,605	885,889	855,828	572.802	12,300	270,726
1981	1,603.941	846.474	15.495	741,972	1,003,391	452,724	550,667	600,550	393,750	15,495	191,305
1982	1,738.187	990.634	11,272	736.281	992.903	457,649	535,254	745,284	532.985	11,272	201,027
1983	1,591,286	895,716	8,932	686,638	933,684	430,437	503,247	657,602	465.279	8,932	183,391
1984	1,519.369	911,973	10.819	596,577	889.122	427,194	461,928	630,247	484,779	10,819	134,649
1985	1,617,061	1,014,806	11.946	590.309	916.423	454,643	461,780	700,638	560,163	11,946	128,529
1986	1.768.711	1,216,197	12,148	540.366	944.969	524,151	420,818	823,742	692,046	12,148	119,548
1987:											
1st qtr.	551,039	379.651	3.119	168.269	285,454	164.708	120.746	265.585	214.943	3.119	47.523
2d qtr.	423,775	290.264	1.179	132.332	233.449	129.652	103,797	190.326	160.612	1.179	28.535
3d qtr.	590.014	392,944	3,888	193,182	333,649	181,716	151,933	256,365	211,228	3,888	41,249
4th qtr.	483,992	311,554	2.839	169,599	285.909	159,841	126.068	198.083	151,713	2,839	43.531
1987 total	2,048,820	1.374.413	11,025	663,382	1,138,461	635,917	502,544	910.359	738,496	11,025	160,838
1988:											
1st qtr.	468.634	309.688	2.663	156.283	275.658	162.248	113.410	192.976	147,440	2,663	42,873
2d qtr.	587,320	432.659	4,364	150,297	308.690	195.444	113,246	278.630	237.215	4,364	37,051
3d qtr.	477,449	324.774	2.891	149.784	265.764	156,714	109.050	211.685	168.060	2,891	40.734
4th qtr.											
1988 total											

Table 21—Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88 (continued)

(In thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO CANADA											
1977	15,698	9.531	0	6,167	15,698	9,531	6,167	0	0	0	0
1978	12,638	9,361	0	3,277	12,638	9,361	3,277	0	0	0	0
1979	24,124	7.737	0	16,387	24,124	7,737	16.387	0	0.	0	0
1980	985	395	0	590	985	395	590	0	0	0	0
1981	1,332	392	0	940	1,332	392	940	0	0	0	0
1982	4,757	635	0	4.122	4,757	635	4,122	0	0	0	0
1983	5,216	397	0	4.819	5,216	397	4,819	0	0	0	0
1984	10,461	2,406	0	8.055	10,461	2,406	8,055	0	0	0	0
1985	32,802	36	0	32.766	32,802	36	32,766	0	0	0	0
1986	58,787	2.31 1	0	56,476	53,620	2,311	51,309	5.167	0	0	5.167
1987:											
1st qtr.	26.525	4,034	0	22.491	24.380	4,034	20,346	2.145	0	0	2.145
2d qtr.	13,906	1,044	0	12,862	13,906	1,044	12.862	0	0	0	0
3d qtr.	3,019	284	0	2.735	3,019	284	2,735	0	0	0	0
4th qtr.	90	44	0	46	90	44	46	0	0	0	0
1987 total	43.540	5.406	0	38.134	41.395	5,406	- 35,989	2,145	0	0	2.145
1988:											
1st qtr.	5.008	64	0	4,944	5,008	64	4.944	0	0	0	0
2d qtr.	4,517	139	0	4.378	4,517	139	4,378	0	0	0	0
3d qtr.	5.647	263	0	5.384	5.647	263	5,384	0	0	0	0
4th qtr.											
1988 total											
TO SOUTH KOREA											
1977	187,967	21,201	0	166,766	162,252	20,418	141,834	25,715	783	0	24.932
1978	307,865	24,844	0	283.021	271,887	20,426	251,461	35,978	4,418	0	31,560
1979	245,314	20,342	0	224.972	227,072	18,653	208.419	18.242	1,689	0	16.553
1980	191,387	11,796	0	179.591	163,988	9,549	154,439	27,399	2,247	0	25.152
1981	147,833	10,919	0	136,914	132,675	9,333	123,342	15,158	1,586	0	13,572
1982	254,736	27,809	0	226,927	220,126	23,841	196,285	34,610	3,968	0	30.642
1983	285,638	19,388	0	266,250	259,368	16,406	242.962	26,270	2,982	0	23.288
1984	264,249	6,007	7	258,235	236,609	4,790	231.819	27,640	1,217	7	26.416
1985	297,629	10,746	34	286.849	263,665	6,900	256.765	33,964	3,846	34	30.084
1986	325,561	9,770	16	315,775	294,592	8,693	285,899	30,969	1,077	16	29,876
1987:											
1st qtr.	74,697	1.776	22	72.899	70,285	1,056	69.229	4.412	720	22	3,670
2d qtr.	123,031	3,037	0	119,994	109,058	2,537	106.521	13,973	500	0	13.473
3d qtr.	97.587	3,607	0	93,980	88.197	2,881	85,316	9.390	726	0	8,664
4th qtr.	112.829	5.978	474	106,377	94.700	4,673	90,027	18,129	1.305	474	16.350
1987 total	408,144	14,398	496	393,250	362,240	11.147	351,093	45.904	3,251	496	42.157
1988:											
1st qtr.	151,305	6.370	0	144,935	128,781	4.248	124,533	22,524	2,122	0	20,402
2d qtr.	129.416	2.357	0	127,059	108,612	1.662	106.950	20.804	695	0	20.109
3d qtr.	707.353	3.472	0	103.881	87.888	2.472	85.416	19,465	1.000		18.465
4th qtr.											
1988 total											
TO PEOPLE'S REPUBLIC OF CHINA											
1980	87,785	69,901	0	17.884	43.271	31.884	11.387	44.514	38.017	0	6.497
1981	219.237	149.592	0	69.645	170,779	111,058	59.721	48,458	38.534	0	9.924
1982	533.102	390.047	0	143.055	358,762	244.198	114,564	174.340	145,849	0	28.491
1983	6991240	4971020	0	2021220	535,418	3471576	187,842	1631822	149,444	0	141378
1984	845,188	624,676	0	220,512	589,661	402,321	187,340	255,527	222,355	0	33,172
1985	1,029.559	716.273	0	313,286	644,370	379.929	264.441	385.189	336.344	0	48.845
1986	608.316	374.374	0	233,942	434.685	226.816	207.869	173,631	147,558	0	26.073
1987:											
1st qtr.	115,652	70,670	0	44.982	83.690	48,764	34.926	31,962	21,906	0	10.056
2d qtr.	175,281	123.692	0	51.589	138.543	93.329	45,214	36.738	30,363	0	6.375
3d qtr.	148,772	100,784	0	47,988	119.706	74,918	44,788	29,066	25,866	0	3,200
4th qtr.	118,974	94,350	0	24.624	93.681	71,641	22.040	25.293	22.709	0	2.584
1987 total	558.679	389.496	0	169,183	435.620	288.652	146,968	123.059	100,844	0	22,215
1988:											
1st qtr.	255.401	215,307	0	40,094	164.489	132,018	32,471	90,912	83,289	0	7.623
2d qtr.	368,992	294,061	0	74,931	247.239	185.923	61.316	121,753	108,138	0	13.615
3d qtr.	285,194	203,395	0	81.799	183,543	124,892	58,651	101,651	78.503	0	23.148
4th qtr.											
1988 total											

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

Table 22--Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					TO ALL COUNTRIES						
1977	826.698	311,269	17,049	498,380	526,412	171,541	354,871	300,286	139,728	17,049	143.509
1978	992.207	413,645	24.923	553,639	637,818	212,305	425,513	354,389	201,340	24,923	128.126
1979	1,480,036	624,090	24,419	831,527	991,513	331,874	659,639	488,523	292,216	24,419	171,888
1980	1,308,858	634.898	16,596	657,364	835,524	317,744	517,780	473,334	317,154	16,596	139.504
1981	882,942	4761653	24,911	381,378	565,564	266,847	298,717	317.378	209,806	24,911	82,661
1982	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983	892.436	500,178	11.007	381,251	580,518	272,311	308,207	311,918	227,867	11,007	73,044
1984	903.796	533,451	14.148	356,197	575,879	281,943	293,936	327,917	251,509	14,148	62,260
1985	972,469	586.597	14.166	371,707	586,974	277,856	309,119	385,495	308,741	14,166	62.588
1986	929,580	567.356	11.082	351,142	552,088	256,632	295,455	377,493	310,725	11,082	55.686
1987:											
1st qtr.	279.351	176.180	5.011	98,160	156.256	79.906	76,350	123.095	96.274	5.011	21,809
2d qtr.	264.983	161,053	1.214	102,716	168.529	81.435	87,094	96.454	79.618	1.214	15,622
3d qtr.	358.181	217,443	6.214	134.525	221.553	107.042	114.511	136.628	110,400	6.214	20,014
4th qtr.	342.785	197,100	5,634	140,051	216.514	105,369	111.145	126.271	91.731	5.634	28,907
1987 total	1,245,300	751,776	18,073	475,452	762,852	373.752	389.100	402.448	378.023	18.073	86.352
1988:											
1st qtr.	421.137	256.416	4,537	160,184	266,171	136.894	129,277	154.966	119.522	4.537	30,907
2d qtr.	534.475	353,170	10,651	170,654	311,973	175.113	136.860	222.502	178.057	10,651	33,794
3d qtr.	414,104	252,753	7,374	153.977	249,041	129.746	119,295	165.063	123,007	7.374	34,682
4th qtr.											
1988 total											
					TO JAPAN						
1977	776,630	303,248	17,049	456,333	484.006	164,626	319,380	292,624	138,622	17,049	136,953
1978	908,627	404,134	22,763	481,730	566,494	204,832	361,662	342,133	199,302	22,763	120,068
1979	1,387,602	612,160	22,271	753,171	910.338	323,034	587.304	477,264	289.126	22,271	165,867
1980	1,190,875	593,484	16.596	580,795	750.369	297,359	453,010	440,506	296,125	16,596	127,785
1981	740,943	404,395	24,889	311,659	451.171	213,444	237,727	289,772	190,951	24,889	73,932
1982	716,343	424,685	18,679	272,979	392.047	190,838	201,209	324,296	233,847	18,679	71,770
1983	583,048	331,171	11,007	240,870	336.125	156,671	179,454	246,923	174,500	11,007	61,416
1984	535,175	324,484	13,946	196,744	302.800	148,370	154,430	232,375	176,114	13,946	42,315
1985	560,675	360,035	13,965	186,675	304,521	157,596	146,925	256,154	202,439	13,965	39,750
1986	644,858	450,926	11,059	182,871	326,718	183,095	143,623	318,140	267,830	11,059	39,250
1987:											
1st qtr.	220.900	154,942	4,927	61,031	107,770	64,537	43.233	113.130	90.405	4.927	17.798
2d qtr.	171.124	119,662	1,130	50.332	89.715	49.684	40.031	81.409	69,978	1.130	10.302
3d qtr.	274.230	179,367	6.117	88,747	151,456	79.497	71,959	122,774	99.870	6.117	16,788
4th qtr.	252,116	158.357	5.363	88.396	144,669	76.957	67.713	107,446	81,400	5.363	20.684
1987 total	918.370	612.328	17.537	288.506	493.610	270.675	222.936	424,759	341.653	17,537	65.572
1988:											
1st qtr.	254,072	165,466	4,366	84.240	146.681	82.105	64,576	107.391	83,361	4,366	19.664
2d qtr.	319,991	226,913	10.522	82.556	161,727	96.835	64.892	158.264	130,078	10.522	17.664
3d qtr.	248,582	167,423	6.252	74.907	134,098	76,735	57.363	114,484	90.688	6,252	17.544
4th qtr.											
1988 total											

Table 22—Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88 (continued)

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO CANADA											
1977	3.545	2.154	--	1,391	3,545	2,154	1,391	--	--	--	--
1978	2,933	2,129	--	804	2.933	2.129	804	--	--	--	--
1979	7,223	2.435	--	4.788	7,223	2.435	4,788	--	--	--	--
1980	323	133	--	190	323	133	190	--	--	--	--
1981	463	173	--	290	463	173	290	--	--	--	--
1982	1,068	137	--	931	1,068	137	931	--	--	--	--
1983	1,046	55	--	991	1.046	55	991	--	--	--	--
1984	2,081	549	--	1,531	2,081	549	1,531	--	--	--	--
1985	6,390	16	--	6,374	6,390	16	6,374	--	--	--	--
1986	12,239	418	--	11,822	11,051	418	10.633	1,189	--	--	1,189
1987:											
1st qtr.	5.098	534	--	4.564	4.589	534	4.055	509	--	--	509
2d qtr.	2.225	138	--	2.087	2.225	138	2.087	--	--	--	--
3d qtr.	716	135	--	581	716	135	581	--	--	--	--
4th qtr.	31	15	--	16	31	15	16	--	--	--	--
1987 total	8,070	822	--	7,248	7,561	822	6,739	509	--	--	509
1988:											
1st qtr.	705	31	--	674	705	31	674	--	--	--	--
2d qtr.	832	57	--	775	832	57	775	--	--	--	--
3d qtr.	1,099	111	--	988	1.099	111	988	--	--	--	--
4th qtr.											
1988 total											
TO SOUTH KOREA											
1977	44,949	4,811	--	40,138	38,738	4,672	34,066	6,211	139	--	6,072
1978	76,839	6,392	--	70,447	67,974	5,333	62,641	8865	1,059	--	7,806
1979	80.173	6,982	--	73,191	73,751	6,378	67,373	6,422	604	--	5,818
1980	71,675	4,116	--	67,559	62.108	3,279	58,829	9,567	837	--	8.730
1981	47,481	4,027	--	43,454	43,048	3,513	39,535	4,433	514	--	3,919
1982	76,415	9,169	--	67,246	66.657	8.136,	58,521	9,758	1,033	--	8,725
1983	84,776	5,481	--	79,295	76.707	4,630,	72,077	8,069	851	--	7,218
1984	77,339	1,723	2	75,614	68,951	1,358	67.593	8,389	365	2	8,022
1985	85,611	2,803	15	82,793	75.078	1.695	73.383	10,533	1,108	15	9,410
1986	90,498	2,909	23	87,565	82,152.	2,612	79.537	8,348	296	23	8,029
1987:											
1st qtr.	20,436	404	20	19.932	19.202	279	18.923	1,234	204	20	1,010
2d qtr.	35.672	782	--	34.890	31.793	637	31,156	3,879	145	--	3.734
3d qtr.	29.365	1.362	--	28.002	26.745	1,098	25,646	2,620	264	--	2,356
4th qtr.	41.272	2.324	158	38.791	34.549	1,857	32,693	6,723	467	158	6,098
1987 total	126,745	4,952	178	121,615	112.289	3,871	108,418	14.456	1,080	178	13,198
1988:											
1st qtr.	57,721,	2,340	--	55,381	49,286	1,498	47.788	8435	842	--	7,593
2d qtr.	49.850	907	--	40.943	41.916	656	41,260	7,934	251	--	7.683
3d qtr.	41.550	1,425	--	40.125	34.060	1,015	33,045	7.490	410	--	7.080
4th qtr.											
1988 total											
TO PEOPLE'S REPUBLIC OF CHINA											
1980	41,433	34,285	--	7.148	21,326	16.692	4.634	20.107	17.593	--	2.514
1981	88,000	63,977	--	24,023	67.639	47.363	20,276	20,361	16.614	--	3,747
1982	207,078	158,699	--	48,379	138.219	99.194	39.025	68.859	59,505	--	9,354
1983	220.458	161,616	--	58.842	164.982	110,449	54,533	55,476	51,167	--	4,309
1984	264.969	199.224	--	65.745	184,041	128,413	55.628	80.928	70.811	--	10.116
1985	312,178	221,344		90.834	195,164	117,736	77,428	117,014	103,609	--	13,406
1986	176.472	710,633	--	65.840	128,869	69.348	59.520	447,604	41.284	--	6,320
1987:											
1st qtr.	30.293	19,054		11,239	22.594	13,598	8.996	7,699	5,456	--	2.243
2d qtr.	47,777	34.733	--	13.044	37,729	26.248	11.481	10,048	8,485	--	1,563
3d qtr.	41,765	29.190	--	12,575	33.491	21,753	11.738	8,274	7,437	--	837
4th qtr.	38,549	31,007	--	7,542	29.847	23,268	6,578	0.702	7,738	--	964
1987 total	158.384	113.984	--	44,400	123,661	84,867	38.793	34.723	29,116	--	5.607
1988:											
1st qtr.	99.130	84.380	--	14,750	63,333	51,178	12,155	35,797	33,202	--	2.595
2d qtr.	146,872	118,156	--	28.716	98,913	75.275	23.638	47.959	42,881	--	5,078
3d qtr.	110,776	79.887	--	30,889	71,108	48.949	22,159	39,668	30.938	--	8.730
4th qtr.											
1988 total											

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

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

Table 23—Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Tctal	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					TO ALL COUNTRIES						
1977	323.48	321.97	1,019.62	317.01	314.30	308.29	317.26	340.94	340.51	1,019.62	316.32
1978	548.46	363.08	1,017.56	328.84	332.89	342.70	328.21	380.48	387.37	1,017.56	330.94
1979	457.70	476.70	1.076.06	437.24	440.68	453.14	434.67	496.62	506.62	1,076.06	445.56
1980	497.32	503.00	1.349.27	484.32	491.73	492.57	491.22	507.50	513.91	1,349.27	460.31
1981	444.32	468.61	1.605.09	399.56	429.80	460.85	405.40	472.80	478.88	1.605.09	379.81
1982	395.27	420.40	11656.70	350.88	378.94	410.40	352.46	422.12	430.85	11656.70	345.51
1983	344.37	352.81	1,232.31	327.29	333.67	341.97	326.67	366.21	366.69	1,232.31	329.93
1984	332.00	340.04	1,271.75	311.82	321.87	332.76	312.07	351.44	348.59	1,271.75	310.64
1985	323.71	335.26	1.145.43	299.26	312.41	329.10	298.78	342.58	341.00	1.145.43	301.65
1986	334.37	352.24	911.05	303.43	317.55	335.18	303.67	362.45	367.70	911.05	302.17
1987:											
1st qtr.	360.10	383.48	1,534.75	313.53	331.96	361.12	306.10	403.51	404.26	1.534.75	342.68
2d qtr.	347.45	369.36	919.70	315.75	325.24	337.53	314.52	394.52	408.80	919.70	322.75
3d qtr.	406.08	416.46	1.532.39	378.03	303.35	388.86	378.33	449.30	447.24	1.532.39	376.29
4th qtr.	458.81	461.63	1,636.86	442.23	435.96	429.25	442.52	504.16	505.42	1,636.86	441.14
1987 average	393.14	407.57	1.495.86	362.68	369.69	380.10	360.22	436.96	438.92	1,495.86	374.20
1988:											
1st qtr.	467.07	474.11	1,559.64	447.56	452.93	451.90	454.04	493.53	502.38	1.559.64	422.35
2d qtr.	473.08	472.82	2.370.58	451.06	452.89	450.42	456.10	504.62	497.14	2.370.58	431.75
3d qtr.	459.68	467.63	1.868.73	432.03	443.51	446.41	440.41	486.44	492.32	1,868.73	405.49
4th qtr.											
1988 average											
					TO JAPAN						
1977	330.72	324.74	1,019.62	326.47	323.40	312.83	329.13	343.58	340.13	1,019.62	320.42
1978	360.30	366.21	997.76	345.20	347.49	347.38	347.55	383.71	387.82	997.76	338.30
1979	468.83	478.56	1,080.54	453.73	455.55	457.61	454.43	496.42	504.36	1,080.54	451.28
1980	507.98	504.92	1,349.27	502.15	504.11	493.35	511.36	514.71	516.98	1,349.27	472.01
1981	461.95	477.74	1,606.26	420.04	449.65	471.47	431.71	482.51	484.95	1,606.26	386.46
1982	412.12	428.70	1,657.12	370.75	394.85	417.00	375.91	435.13	438.75	1,657.12	357.02
1983	366.40	369.73	1,232.31	350.80	360.00	363.98	356.59	375.49	375.04	1,232.31	334.89
1984	352.24	355.80	1,289.03	329.79	340.56	347.31	334.32	368.70	363.29	1,289.03	314.28
1985	346.72	354.78	1,169.03	316.23	332.29	346.64	318.17	365.60	361.39	1,169.03	309.27
1986	364.59	370.77	910.36	338.42	345.74	349.32	341.29	386.21	387.01	910.36	328.32
1987;											
1st qtr.	400.88	408.12	1.579.69	362.70	377.54	391.83	358.05	425.97	420.60	1.579.69	374.51
2d qtr.	403.81	412.25	958.44	380.35	384.30	383.21	385.66	427.74	435.70	958.44	361.02
3d qtr.	464.79	456.47	1,573.18	459.39	453.94	437.48	473.62	478.90	472.81	1.573.18	406.98
4th qtr.	520.91	508.28	1.888.89	521.21	506.00	481.46	537.11	542.43	536.54	1.808.89	475.15
1987 average	448.24	445.52	1,590.66	434.90	433.58	425.65	443.61	466.58	462.63	1,590.66	407.69
1988:											
1st qtr.	542.15	534.30	1.639.50	539.02	532.11	506.05	569.40	556.50	565.39	1.639.50	458.66
2d qtr.	544.83	524.46	2,411.09	549.29	523.91	495.46	573.02	568.01	548.35	2.411.09	476.75
3d qtr.	520.65	515.51	2.162.57	500.10	504.58	489.65	526.02	540.82	539.62	2,162.57	430.70
4th qtr.											
1988 average											

Table 23--Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88 (continued)

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs Dlstrlct			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
TO CANADA											
1977	225.82	226.00	–	225.56	225.82	226.00	225.56	–			
1978	232.08	227.43	–	245.35	232.08	227.43	245.35	–	–	–	–
1979	299.41	314.72	–	292.78	299.41	314.72	292.18	–	–	–	–
1980	327.92	336.71	–	322.03	327.92	336.71	322.03	–	–	–	–
1981	347.60	441.33	–	308.51	347.60	441.33	308.51	–	–	–	–
1982	224.51	215.75	–	225.86	224.51	215.75	225.86	–			
1983	200.35	138.54	–	205.44	200.35	137.46	205.44	–			
1984	198.93	228.18	–	190.07	198.93	228.18	190.07	–	–	–	–
1985	194.82	456.64	–	194.53	194.82	456.64	194.53	–	–	–	–
1986	208.19	180.87	–	209.33	206.10	180.87	207.23	230.09	–	–	230.09
1987:											
1st qtr.	192.19	132.40	–	202.92	188.22	132.40	199.29	237.33	–	–	237.33
2d qtr.	160.02	132.18	–	162.30	160.02	132.18	162.30	–	–	–	–
3d qtr.	237.26	474.85	–	212.59	237.26	474.85	212.59	–	–	–	–
4th qtr.	339.76	341.68	–	337.91	339.76	341.68	337.91	–	–	–	–
1987 average	185.35	152.05	--	190.07	182.65	152.05	190.07	--	--	--	
1988:											
1st qtr.	140.77	484.38	–	136.33	140.77	484.38	136.33	–	–	–	–
2d qtr.	184.19	410.07	–	177.02	184.19	410.07	177.02	–	–	–	–
3d qtr.	194.62	422.05	–	183.51	194.62	422.05	183.51	–		–	–
4th qtr.											
1988 average											
TO SOUTH KOREA											
1977	239.13	226.92	--	240.68	238.75	228.82	240.18	241.53	177.52	–	243.54
1978	249.59	257.28	--	249.02	250.01	261.09	249.11	246.40	239.70	–	247.34
1979	326.82	343.23	--	325.33	324.79	341.93	323.26	352.05	357.61	–	351.48
1980	374.50	348.93	--	376.18	378.74	343.39	380.92	349.17	372.50	–	347.09
1981	321.18	368.81	–	317.38	324.46	376.41	320.53	292.45	324.29	–	288.76
1982	299.98	329.71	--	296.33	302.81	341.26	298.14	281.94	260.32	–	284.74
1983	296.80	282.70	--	297.82	295.74	282.21	296.66	307.16	285.38	–	389.95
1984	292.67	286.83	281.14	292.81	291.41	283.51	291.32	303.51	299.92	281.14	303.68
1985	287.64	260.84	441.18	288.63	284.75	245.68	285.80	310.13	288.05	441.18	312.81
1986	277.98	297.75	1,429.31	277.30	278.87	300.47	278.20	269.56	274.84	1.429.31	268.74
1987:											
1st qtr.	273.59	272.42	922.73	273.42	273.20	264.60	273.33	279.74	283.89	922.73	275.07
2d qtr.	289.94	257.49	–	290.76	291.52	251.08	292.49	277.61	290.00	–	277.15
3d qtr.	300.91	377.70	--	297.96	303.24	381.12	300.61	279.03	364.12	–	271.90
4th qtr.	365.80	388.77	332.59	364.65	364.83	397.33	363.14	370.85	358.12	332.59	372.97
1987 average	310.54	343.94	358.87	309.26	309.99	347.27	308.80	314.92	332.21	358.87	313.07
1988:											
1st qtr.	381.49	367.35	–	382.11	382.71	352.64	383.74	374.49	396.80	–	372.17
2d qtr.	385.19	384.81	–	385.20	385.92	394.71	385.79	381.37	361.15	–	382.07
3d qtr.	387.04	410.43	--	386.26	387.54	410.60	386.87	384.79	410.00	--	383.43
4th qtr.											
1988 average											
TO PEOPLE'S REPUBLIC OF CHINA											
1980	471.98	490.48	--	399.69	492.85	523.52	406.96	451.70	462.77	–	386.95
1981	401.39	427.68	–	344.94	396.06	426.47	339.51	420.18	431.15	–	377.57
1982	388.44	406.87	--	338.18	385.27	406.20	340.64	394.97	407.99	–	328.31
1983	315.28	325.17	--	290.98	308.14	317.77	290.31	338.64	342.38	--	299.69
1984	313.50	318.92	–	298.15	312.11	319.18	296.94	316.71	318.46	–	304.96
1985	303.22	309.02	--	289.94	302.88	309.89	292.80	303.79	308.04	–	274.46
1986	290.10	295.51	–	281.44	296.47	305.75	286.33	274.17	279.78	–	242.40
1987:											
1st qtr.	261.93	269.62	--	249.85	269.97	278.85	257.57	240.87	249.06	--	223.04
2d qtr.	272.57	280.80	–	252.85	272.33	281.24	253.92	273.50	279.45	–	245.18
3d qtr.	280.73	289.63	–	262.04	279.78	290.36	262.07	284.65	287.50	–	261.63
4th qtr.	324.01	328.64	–	306.30	318.60	324.79	298.47	344.07	340.77	–	373.07
1987 average	283.50	292.64	--	262.44	283.87	294.01	263.96	282.17	288.72	–	252.40
1988:											
1st qtr.	388.13	391.91	--	367.89	305.03	387.66	374.33	393.75	398.64	–	340.42
2d qtr.	398.04	401.81	--	383.23	400.07	404.87	385.51	393.90	396.54	–	372.97
3d qtr.	388.42	392.77	–	377.62	387.42	391.93	377.81	390.24	394.10	–	377.14
4th qtr.											
1988 average											

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

Table 24—Volume and average value of softwood log exports from the San Francisco Customs District by species and destination, 1978-88[a]

(In thousand board feet, **Scribner** scale)

Year and quarter	Total		Douglas-fir		Port-Orford-cedar		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
1978	72,650	358.18	49.024	335.67	2,880	1,138.19	20.746	303.14
1979	65.492	369.65	37.551	302.60	1.611	1.351.96	26.330	405.17
1980	31,672	492.33	7.287	439.82	653	1,837.67	23.732	471.43
1987	25,586	489.21	5,890	393.89	1.381	1.390.26	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:								
1st quarter	9,725	520.62	3.485	631.28	147	2,238.10	6.093	415.89
2d quarter	17,521	491.47	8,642	515.51	9	666.67	8.870	467.87
3d quarter	43.117	411.88	11.958	471.99	0	--	31.159	388.81
4th quarter								
1988 total								
TO JAPAN								
1978	58,760	361.52	48.653	336.14	1,757	1.118.95	8.350	350.06
1979	57.938	372.40	37.411	302.61	1.611	1,351.96	18.916	426.99
1980	27,180	513.98	7.055	442.81	653	1,837.67	19,472	495.38
1981	20.708	521.73	1,024	595.70	1.381	1.398.26	18.303	451.46
1982	9.022	331.19	3.270	355.35	6	666.67	5.746	317.09
1983	24.308	351.94	3.626	311.64	300	1,026.67	20.382	349.23
1984	26.251	397.58	2,954	389.64	1.764	861.68	21,533	360.66
1985	25.243	325.79	3,956	311.43	1,272	591.98	20.015	311.67
1986	19,060	330.80	217	345.62	354	774.01	18.489	322.08
1987	25,212	393.34	8,944	477.30	0	--	16,268	347.25
1988:								
1st quarter	6.030	582.59	3,297	648.17	147	2,238.10	2,586	404.87
2d quarter	7.273	529.49	3.715	622.21	0	--	3.558	431.98
3d quarter	9,206	466.98	3,356	526.22	0	--	5.850	432.99
4th quarter								
1988 total								
TO PEOPLE'S REPUBLIC OF CHINA								
1978	0	--	0	--	0	--	0	--
1979	0	--	0	--	0	--	0	--
1980	0	--	0	--	0	--	0	--
1981	0	--	0	--	0	--	0	
1982	9,292	352.35	9.282	351.00	0	--	10	1,600.00
1983	8.302	314.62	0	--	0	--	8.302	314.62
1984	18,276	326.55	12,756	340.39	0	--	5.530	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:								
1st quarter	3,417	425.23	0	--	0	--	3,417	425.23
2d quarter	6.391	397.12	3.814	405.35	0	--	2,577	384.94
3d quarter	27.463	424.03	8,567	450.68	0	--	18,896	411.94
4th quarter								
1988 total								

[a] Includes Monterey, California, and all ports north of Monterey.

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

Table 25–Volume and average value of softwood log exports from Anchorage Customs District by species and destination, 1980-88

(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
1987	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:								
1st quarter	45.006	326.03	26.021	234.27	4.459	252.30	12,819	492.86
2d quarter	147.857	391.02	76.172	270.51	8.202	394.78	58.723	532.01
3d quarter	140.911	502.90	73.058	422.25	10.172	357.45	51.289	586.05
4th quarter	119.353	590.66	58.979	498.82	13,194	418.90	41.556	697.30
1987 total and average value	453,127	471.94	234,230	371.37	36.027	375.44	164,387	587.59
1988:								
1st quarter	36.490	595.07	17,369	476.83	5.598	464.09	11.588	734.12
2d quarter	167,311	531.98	92,211	406.26	16,049	413.67	52,407	758.22
3d quarter	159.077	505.59	78,517	403.80	18.941	426.01	55.859	623.77
4th quarter								
1988 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:								
1st quarter	26.813	455.88	13,229	348.25	1.411	298.37	10.466	579.30
2d quarter	96.507	480.85	43,106	343.36	3.641	367.76	46.543	595.79
3d quarter	97,818	650.77	44.037	571.89	2.182	440.42	39,532	698.22
4th quarter	86.062	707.59	42,420	602.76	4,443	414.36	33.575	801.64
1987 total and average value	301.200	595.03	142,786	491.34	11,677	390.68	130.116	678.69
7988:								
1st quarter	19,180	826.75	8.343	680.09	632	384.49	8.285	920.10
2d quarter	97.115	736.09	46,167	612.43	4.900	402.24	41,404	883.97
3d quarter	100.545	628.12	43,034	541.01	6.723	421.24	45.499	690.30
4th quarter								
1988 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:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	7.567	352.32	461	299.35	0	--	7,106	355.76
3d quarter	4.375	253.54	0	--	0	--	4,375	253.49
4th Quarter	7.660	264.88	1,600	150.00	0	--	6.060	295.21
1987 total and average value	19.602	296.09	2,061	183.41.	0	--	17,541	309.33
1988:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	4,000	300.00	0	--	0	--	4,000	300.00
4th quarter								
1988 total and average value								

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

Table 26—Volume and average value of log exports by port, species, and destination, Seattle Customs District, 1987

(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	270,485	346.75	115,927	409.50	126,157	293.80	4,175	338.95	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	15,917	662.37	9,414	773.47	0	--	6,503	501.54	0	--
Hemlock	432,127	307.05	137,704	382.73	85,526	263.37	181,035	277.41	0	--
Spruce	17,435	325.41	5,300	431.03	2,381	254.87	831	358.11	0	--
Other softwoods	1,198	369.38	894	436.21	0	--	304	172.86	0	--
All softwoods	737,162	329.82	269,239	409.05	214,064	281.21	192,848	286.48	0	--
Hardwoods	1,429	303.18	88	254.17	0	--	1,341	306.39	0	--
Anacortes:										
Douglas-fir	19,498	384.03	16,024	425.37	0	--	0	--	2,829	156.45
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	1,594	755.31	1,517	760.59	0	--	77	651.44	0	
Hemlock	38,847	259.14	12,719	422.11	0	--	480	254.99	25,648	178.40
Spruce	700	438.50	508	575.89	0	--	0	--	192	75.00
Other softwoods	1,652	780.06	1,571	807.33	0	--	81	251.06	0	--
All softwoods	62,291	326.76	32,339	460.73	0	--	638	302.34	28,669	175.54
Hardwoods	40	245.00	40	245.00	0	--	0	--	0	--
Everett:										
Douglas-fir	212,344	393.25	167,959	423.52	38,579	274.99	2,050	337.12	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	8,175	580.96	7,255	600.48	0	--	920	427.01	0	--
Hemlock	168,736	399.03	137,162	431.40	73	256.16	29,216	254.49	1,173	345.30
Spruce	7,112	544.52	5,450	617.66	969	287.19	45	292.36	0	--
Other softwoods	18,662	483.69	13,609	564.98	261	315.03	4,776	261.86	0	--
All softwoods	415,029	405.96	331,435	439.65	39,882	275.52	37,007	264.36	1,173	345.30
Hardwoods	2,770	266.83	650	457.82	0	--	1,379	200.61	0	--
Port Angeles:										
Douglas-fir	31,493	430.56	27,156	437.76	0	--	2,952	363.90	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	12,228	714.46	4,094	842.41	0	--	8,134	650.05	0	--
Hemlock	210,787	325.06	47,057	421.05	55,051	264.75	97,826	323.06	8,733	191.45
Spruce	9,889	501.23	5,797	620.41	2,697	260.75	547	605.67	0	--
Other softwoods	880	1,132.16	880	1,132.16	0	--	0	--	0	--
All softwoods	265,277	364.78	84,984	467.65	57,748	264.56	109,459	349.88	8,733	191.45
Hardwoods	191	253.29	104	280.29	0	--	87	221.01	0	--
Seattle:										
Douglas-fir	2,039	292.10	1,261	208.45	0	--	17	377.47	25	354.76
Port-Orford-cedar	145	725.46	0	--	0	--	15	903.33	0	--
Redcedar	327	651.14	38	263.16	0	--	207	675.16	0	--
Hemlock	1,856	335.86	1,130	345.12	0	--	6	371.00	0	
Spruce	3,313	668.65	397	283.21	0	--	2,703	744.55	0	--
Other softwoods	3,173	604.09	557	1652.98	0	--	2,169	626.00	0	--
All softwoods	10,853	522.35	3,383	336.68	0	--	5,117	690.30	25	354.76
Hardwoods	7,414	1,103.20	947	1,071.86	0	--	3,314	1,583.26	13	682.92

Table 26—Volume and average value of log exports by port, species, and destination, Seattle Customs District, 1987 (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	446,719	390.52	307,590	432.72	123,916	300.15	1,953	350.48.	2,419	122.09
Port-Orford-cedar	489	440.82	149	769.13	0	--	340	296.94	0	--
Redcedar	2,655	748.90	2,313	782.24	0	--	342	523.42	0	--
Hemlock	112,962	411.32	99,819	427.06	5	376.00	12,870	292.55	0	--
Spruce	1,476	617.53	1,377	645.95	5	343.00	0	--	0	--
Other softwoods	7,599	523.83	5,833	589.12	0	--	1,666	30.4.39	0	--
All softwoods	571,900	398.69	417,081	436.32	123,926	300.15	17,171	304.97	2,419,	122.09
Hardwoods	3,860	712.86	1,147	1,272.86	0	--	1,532	544.83	0	--
Other ports:[a]										
Douglas-fir	710	513.20	0	--	0	--	0	--	133	563.45
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	7	497.14	0	--	0	--	0	--	7	497.14
Hemlock	0	--	0	--	0	--	0	--	0	--
Spruce	10	254.50	0	--	0	--	0	--	10	254.50
Other softwoods	226	293.39	0	--	0	--	0	--	226	293.39
All softwoods	953	458.24	0	--	0	--	0	--	376	391.68
Hardwoods	10	1,605.60	0	--	0	--	0	--	6	2,026.00
Totai:										
Douglas-fir	983,288	380.10	635,917	425.65	288,652	294.01'	11,147	347.30	5,406	152.00
Port-Orford-cedar	634	505.92	149	769.13	0	--	355	322.57	0	--
Redcedar	40,903	670.79	24,631	733.22	0	--	16,183	575.35	7	497.14
Hemlock	965,315	337.39	435,591	413.41	140,655	263.91	321,433	289.79	35,554	187.11
Spruce	39,935	449.21	18,829	559.86	6,052	262.74	4,126	643.37	202	83.89
Other softwoods	33,390	530.63	23,344	605.87	261	315.03	8,996	354.43	226	293.39
All softwoods	2,063,465	369.69	1,138,461	433.58	435,620	283.87	362,240	309.99	41,395	182.65
Hardwoods	15,714	774.94	2,976	952.26	0	--	7,653	887.02	19	1,107.05

[a] Blaine, Bellingham, Frontier, Lynden, and Sumas.

Source: U.S. Department of Commerce.

Table 27—Volume and average value of log exports by port, species, and destination, Seattle Customs District, third quarter 1988

(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	69,464	418.87	20,320	457.90	47,371	399.68	1,529	423.88	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	4,421	870.72	3,541	993.49	0	--	30	700.00	0	--
Hemlock	94,567	402.79	24,097	462.51	29,374	375.32	38,627	386.08	0	--
Spruce	4,428	442.74	2,061	467.22	1,997	380.95	200	300.00	0	--
Other softwoods	411	516.79	241	414.94	0	--	170	661.18	0	--
All softwoods	173,291	422.46	50,260	498.02	78,742	390.12	40,556	388.47	0	--
Hardwoods	50	315.00	50	315.00	0	--	0	--	0	--
Anacortes:										
Douglas-fir	7,485	430.21	2,942	472.81	4,500	400.00	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	0	--	0	--	0	--	0	--	0	--
Hemlock	9,498	297.06	1,152	509.55	0	--	0	--	5,359	182.78
Spruce	0	--	0	--	0	--	0	--	0	
Other softwoods	0	--	0	--	0	--	0	--	0	--
All softwoods	16,983	355.75	4,094	483.15	4,500	400.00	0	--	5,359	182.78
Hardwoods	100	330.00	0	--	0	--	0	--	0	--
Everett:										
Douglas-fir	58,232	469.94	43,886	496.73	11,016	362.92	612	387.11'	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	1,265	566.59	1,249	568.31	0	--	0	--	0	--
Hemlock	40,483	467.71	25,647	518.95	0	--	12,241	369.43	0	--
Spruce	2,048	386.40	1,997	385.87	0	--	0	--	0	--
Other softwoods	1,641	728.57	1,641	728.57	0	--	0	--	0	--
All softwoods	103,669	472.69	74,420	507.72	11,016	362.92	12,853	370.27	0	--
Hardwoods	1,432	188.23	472	250.76	0	--	562	74.32	0	--
Port Angeles:										
Douglas-fir	8,784	528.48	8,724	529.45	60	386.60	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	1,943	575.25	418	500.00	0	--	1,525	595.88	0	--
Hemlock	56,499	419.78	10,949	604.89	23,060	379.47	22,490	370.98	0	--
Spruce	7,513	504.12	3,293	657.57	4,220	384.37	0	--	0	--
Other softwoods	468	966.70	391	1,019.82	0	--	77	696.97	0	--
All softwoods	75,207	448.32	23,775	589.49	27,340	380.24	24,092	386.26	0	--
Hardwoods	272	234.49	160	248.75	0	--	112	214.11	0	--
Seattle:										
Douglas-fir	3,436	372.77	0	--	2,593	354.18	0	--	73	400.26
Port-Orford-cedar	113	1,054.71	3	901.33	0	--	0	--	0	--
Redcedar	1,431	579.88	0	--	0	--	23	747.26	0	--
Hemlock	340	354.08	0	--	0	--	0	--	0	--
Spruce	1,292	826.95	95	667.37	0	--	1,197	839.62	0	--
Other softwoods	1,223	596.86	148	292.64	0	--	272	402.22	0	--
All softwoods	7,835	529.50	246	444.77	2,593	354.18	1,492	758.46	73	400.26
Hardwoods	2,242	1,213.10	281	1,248.10	0	--	1,199	1,390.62	0	--

Table 27—Volume and average value of log exports by port, species, and destination, Seattle Customs District, third quarter 1988 (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	143,055	447.80	80,842	490.11	59,352	392.18	331	391.81	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	1,132	645.12	908	683.66	0	--	0	--	0	--
Hemlock	34,590	452.32	26,130	483.35	0	--	8,110	356.53	0	--
Spruce	494	260.53	494	260.53	0	--	0	--	0	--
Other softwoods	4,739	458.45	4,285	486.63	0	--	454	192.41	0	--
All softwoods	184,010	449.63	112,659	488.96	59,352	392.18	8,895	349.46	0	--
Hardwoods	1,104	644.80	627	623.54	0	--	125	1,004.05	0	--
Other ports:[a]										
Douglas-fir	190	431.05	0	--	0	--	0	--	190	431.05
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	0	--	0	--	0	--	0	--	0	--
Hemlock	0	--	0	--	0	--	0	--	0	--
Spruce	0	--	0	--	0	--	0	--	0	--
Other softwoods	335	306.79	310	305.24	0	--	0	--	25	326.00
All softwoods	525	351.76	310	305.24	0	--	0	--	215	418.83
Hardwoods	19	799.89	0	--	0	--	0	--	11	976.18
Total:										
Douglas-fir	290,646	446.41	156,714	489.65	124,892	391.93	2,472	410.48	263	422.50
Port-Orford-cedar	113	1,054.71	3	901.33	0	--	0	--	0	--
Redcedar	10,192	710.75	6,116	826.93	0	--	1,578	600.06	0	--
Hemlock	235,977	420.93	87,975	503.49	52,434	377.15	81,468	376.47	5,359	182.78
Spruce	15,775	490.42	7,940	515.24	6,217	383.27	1,397	762.37	0	--
Other softwoods	8,817	551.86	7,016	558.37	0	--	973	372.89	25	326.00
All softwoods	561,520	443.51	265,764	504.58	183,543	387.42	87,888	387.53	5,647	194.57
Hardwoods	5,219	733.64	1,590	575.04	0	--	1,998	930.24	11	976.18

[a] Blaine, Frontier, and Oroville.

Source: U.S. Department of Commerce.

Table 28—Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, 1987

(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
Astoria:										
Douglas-fir	8,597	424.96	8,597	424.96	0	--	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	591	901.22	591	901.22	0	--	0	--	0	--
Hemlock	25,593	283.74	11,692	321.21	7,180	254.62	4,576	255.45	2,145	237.33
Spruce	2,324	459.24	2,324	459.24	0	--	0	--	0	--
Other softwoods	700	428.57	700	428.57	0	--	0	--	0	--
All softwoods	37,805	338.98	23,904	389.43	7,180	254.62	4,576	255.45	2,145	237.33
Hardwoods	0	--	0	--	0	--	0	--	0	--
Coos Bay:										
Douglas-fir	193,036	447.73	144,379	499.08	42,375	282.30	0	--	0	--
Port-Orford-cedar	10,997	1,599.09	10,900	1,605.34	0	--	0	--	0	--
Redcedar	0	--	0	--	0	--	0	--	0	--
Hemlock	16,242	365.29	11,703	395.92	3,076	283.81	950	280.00	0	--
Spruce	1,366	825.24	934	1,055.47	287	366.90	0	--	0	--
Other softwoods	2,701	380.66	410	1,279.71	2,272	211.68	0	--	0	--
All softwoods	224,342	499.69	168,326	568.53	48,010	279.56	950	280.00	0	--
Hardwoods	515	635.17	490	615.71	0	--	0	--	0	--
Longview (Washington):										
Douglas-fir	260,930	431.84	222,034	456.57	27,411	211.40	787	288.18	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	1,391	563.88	954	567.19	0	--	437	556.64	0	--
Hemlock	57,858	358.68	42,665	367.37	1,000	370.00	14,193	331.75	0	--
Spruce	5,138	456.61	2,951	518.26	0	--	1,055	360.00	0	--
Other softwoods	3,733	612.81	3,733	612.81	0	--	0	--	0	--
All softwoods	329,050	421.97	272,337	445.79	28,411	291.39	16,472	337.44	0	--
Hardwoods	1,060	385.28	25	400.00	1,000	390.00	35	240.00	0	--
Newport:										
Douglas-fir	32,054	309.09	18,649	327.08	12,800	284.02	605	285.00	0	--
Port-Orford-cedar	450	285.00	0	--	0	--	450	285.00	0	--
Redcedar	0	--	0	--	0	--	0	--	0	--
Hemlock	7,487	326.39	4,432	382.00	2,000	225.00	1,055	285.00	0	--
Spruce	2,700	234.82	200	370.00	2,500	224.00	0	--	0	--
Other softwoods	0	--	0	--	0	--	0	--	0	--
All softwoods	42,691	307.17	23,281	337.91	17,300	268.52	2,110	285.00	0	--
Hardwoods	0	--	0	--	0	--	0	--	0	--
Portland:										
Douglas-fir	366,632	451.01	344,837	459.55	18,258	307.23	1,859	366.80	0	--
Port-Orford-cedar	635	566.18	125	304.00	0	--	46	1,080.44	0	--
Redcedar	5,841	668.60	4,084	711.04	0	--	1,720	571.45	0	--
Hemlock	78,120	356.95	56,527	385.28	3,000	240.00	17,938	283.60	0	--
Spruce	6,775	430.30	4,949	466.35	900	244.44	226	250.04	0	--
Other softwoods	12,202	421.94	11,989	415.52	0	--	7	500.00	0	--
All softwoods	470,205	437.19	422,511	450.83	22,158	295.58	21,796	314.82	0	--
Hardwoods	546	1,306.54	328	1,223.20	0	--	56	1,196.20	0	--
Total:										
Douglas-fir	861,249	438.93	738,496	462.63	100,844	288.72	3,251	332.54	0	--
Port-Orford-cedar	12,082	1,495.86	11,025	1,590.58	0	--	496	358.77	0	--
Redcedar	7,823	667.55	5,629	706.63	0	--	2,157	568.45	0	--
Hemlock	185,300	346.87	127,019	374.23	16,256	260.90	38,712	297.88	2,145	237.33
Spruce	18,303	442.00	11,358	525.13	3,687	240.11	1,281	340.60	0	--
Other softwoods	19,336	453.26	16,832	480.87	2,272	211.68	7	500.00	0	--
All softwoods	1,104,093	436.96	910,359	466.58	123,058	282.17	45,904	314.93	2,145	237.33
Hardwoods	2,121	683.11	843	845.68	1,000	390.00	91	828.43	0	--

Source: U.S. Department of Commerce.

Table 29--Volume and average value of log exports by port, species, and destination, Columbia-Snake Customs District, third quarter 1988

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

Port and species	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
Astoria:										
Douglas-fir	2,212	511.30	2,212	511.30	0	--	0	--	0	
Port-Orford-cedar	0	--	0	--	0		0	--	0	
Redcedar	660	580.60	0	--	0	--	660	580.60	0	
Hemlock	8,348	363.10	1,050	391.62	0	--	4,759	348.85	0	
Spruce	0	--	0	--	0		0	--	0	
Other softwoods	0	--	0	--	0	--	0	--	0	
All softwoods	11,220	405.11	3,262	472.78	0	--	5,419	377.08	0	
Hardwoods	0	--	0	--	0	--	0	--	0	
Coos Bay:										
Douglas-fir	59,376	500.11	31,288	595.70	28,039	393.30	0	--	0	
Port-Orford-cedar	2,358	2,132.30	2,358	2,132.30	0	--	0	--	0	
Redcedar	0	--	0	--	0	--	0	--	0	
Hemlock	12,295	388.25	2,590	437.25	9,705	375.17	0	--	0	
Spruce	200	410.00	200	410.00	0	--	0	--	0	
Other softwoods	160	435.56	85	520.00	0	--	0	--	0	
All softwoods	74,389	532.98	36,521	682.49	37,744	388.64	0	--	0	
Hardwoods	130	324.62	130	324.62	0	--	0	--	0	
Longview (Washington):										
Douglas-fir	79,900	485.92	61,047	514.21	17,853	393.43	1,000	410.00	0	
Port-Orford-cedar	403	2,124.27	403	2,124.27	0	--	0	--	0	
Redcedar	0	--	0	--	0	--	0	--	0	
Hemlock	16,901	408.91	11,065	416.88	2,436	385.17	3,400	400.00	0	
Spruce	415	379.53	12	430.00	403	378.03	0	--	0	
Other softwoods	5,413	400.71	5,413	400.71	0	--	0	--	0	
All softwoods	103,032	474.79	77,940	500.82	20,692	392.15	4,400	402.27	0	
Hardwoods	0	--	0	--	0	--	0	--	0	
Newport:										
Douglas-fir	19,120	416.78	6,021	478.73	13,099	388.31	0	--	0	
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	
Redcedar	0	--	0	--	0	--	0	--	0	
Hemlock	6,211	379.16	0	--	6,211	379.16	0	--	0	
Spruce	0	--	0	--	0		0	--	0	
Other softwoods	0	--	0	--	0	--	0	--	0	
All softwoods	25,331	407.56	6,021	478.73	19,310	385.37	0	--	0	
Hardwoods	0	--	0	--	0	--	0	--	0	
Portland:										
Douglas-fir	89,245	508.58	67,492	542.96	19,512	399.76	0	--	0	
Port-Orford-cedar	1,185	1,257.68	130	2,829.70	0	--	0		0	
Redcedar	631	747.67	433	860.86	0	--	96	499.14	0	
Hemlock	27,233	401.28	13,485	424.49	4,198	375.16	9,550	379.98	0	
Spruce	251	937.33	251	937.33	0	--	0	--	0	
Other softwoods	6,813	457.09	6,150	447.96	195	350.50	0	--	0	
All softwoods	125,358	491.61	87,941	524.22	23,905	395.04	9,646	381.16	0	
Hardwoods	358	1,091.21	262	932.84	0	--	0	--	0	
Total:										
Douglas-fir	249,853	492.32	168,060	539.62	78,503	394.10	1,000	410.00	0	
Port-Orford-cedar	3,946	1,868.83	2,891	2,162.54	0	--	0	--	0	
Redcedar	1,291	662.25	433	860.86	0		756	570.25	0	
Hemlock	70,988	394.42	28,190	421.45	22,550	377.35	17,709	375.46	0	
Spruce	866	548.24	463	696.39	403	378.03	0	--	0	
Other softwoods	12,386	432.17	11,648	426.53	195	350.50	0	--	0	
All softwoods	339,330	486.44	211,685	540.82	101,651	390.24	19,465	384.80	0	
Hardwoods	488	886.99	392	731.13	0	--	0	--	0	

Source: U.S. Department of Commerce.

Table 30--Volume and average value of log exports by port, species, and destination, San Francisco Customs District, 1987

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

Port and species	All countries		Destination: Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Eureka:										
Douglas-fir	4,064	473.89	4,064	473.89	0	--	0	--	0	
Redcedar	0	--	0	--	0	--	0	--	0	
Hemlock	250	225.64	250	225.64	0	--	0	--	0	
Spruce	1,152	323.34	855	348.82	0	--	0	--	0	
Other softwoods	5,071	325.67	5,071	325.67	0	--	0	--	0	
All softwoods	10,537	380.21	10,240	383.99	0	--	0	--	0	
Hardwoods	0	--	0	--	0	--	0	--	0	
Oakland:										
Douglas-fir	2,107	434.27	0	--	0	--	2,000	400.50	0	
Redcedar	0	--	0	--	0	--	0	--	0	
Hemlock	0	--	0	--	0	--	0	--	0	
Spruce	0	--	0	--	0	--	0	--	0	
Other softwoods	130	874.54	10	4,529.00	0	--	120	570.00	0	
All softwoods	2,237	459.85	10	4,529.00	0	--	2,120	410.09	0	
Hardwoods	2,091	780.32	257	832.04	0	--	57	1,058.39	0	
Richmond:										
Douglas-fir	1,850	346.56	1,165	357.43	0	--	685	328.09	0	
Redcedar	0	--	0	--	0	--	0	--	0	
Hemlock	0	--	0	--	0	--	0	--	0	
Spruce	0	--	0	--	0	--	0	--	0	
Other softwoods	1,748	345.33	1,601	342.51	0	--	147	376.02	0	
All softwoods	3,598	345.96	2,766	048.79	0	--	832	336.56	0	
Hardwoods	0	--	0	--	0	--	0	--	0	
Sacramento:										
Douglas-fir	0	--	0	--	0	--	0	--	0	
Redcedar	0		0	--	0	--	0	--	0	
Hemlock	0	--	0	--	0	--	0	--	0	
Spruce	0	--	0	--	0	--	0	--	0	
Other softwoods	6,237	349.44	6,237	349.44	0	--	0	--	0	
All softwoods	6,237	349.44	6,237	349.44	0	--	0	--	0	
Hardwoods	0	--	0	--	0	--	0	--	0	
San Francisco:										
Douglas-fir	6,921	474.51	3,715	518.53	0	--	0	--	0	
Redcedar	23	609.48	23	609.48	0	--	0	--	0	
Hemlock	217	386.53	217	386.53	0	--	0	--	0	
Spruce	2,154	347.48	1,820	365.38	0	--	0	--	0	
Other softwoods	208	556.63	184	580.26	0	--	24	375.42	0	
All softwoods	9,523	445.89	5.959	469.21	0	--	24	375.42	0	
Hardwoods	80	2,310.14	5	4,153.00	0	--	16	2,958.81	0	
Total:										
Douglas-fir	14,942	452.83	8,944	477.26	0	--	2,685	382.03	0	
Redcedar	23	609.48	23	609.48	0	--	0	--	0	
Hemlock	467	300.40	467	300.40	0	--	0	--	0	
Spruce	3,306	339.07	2,675	360.09	0	--	0	--	0	
Other softwoods	13,394	348.22	13,103	345.82	0	--	291	455.96	0	
All softwoods	32,132	395.41	25,212	393.36	0	--	2,976	389.26	0	
Hardwoods	2,172	836.66	262	895.42	0	--	73	1,474.92	0	

Source: US. Department of Commerce.

Table 31–Volume and average value of log exports by port, species, and destination, San Francisco Customs District, third quarter 1988

(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
Eureka:										
Douglas-fir	5,036	462.19	2,836	522.07	2,200	385.00	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Hemlock	268	240.50	268	240.50	0	--	0	--	0	--
Spruce	5,114	374.75	36	222.00	5,078	375.83	0	--	0	--
Other softwoods	2,908	365.86	1,321	353.72	1,587	375.97	0	--	0	--
All softwoods	13,326	403.15	4,461	452.88	8,865	378.13	0	--	0	--
Hardwoods	0	--	0	--	0	--	0	--	0	--
Oakland:										
Douglas-fir	345	571.12	310	582.26	0	--	35	472.51	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Hemlock	0	-	0	--	0	--	0	--	0	--
Spruce	0	--	0	--	0	--	0	--	0	--
Other softwoods	1,988	480.65	1,725	464.71	0	--	63	374.83	0	--
All softwoods	2,333	494.03	2,035	482.62	0	--	98	409.71	0	--
Hardwoods	425	831.51	383	718.42	0	--	10	823.40	0	--
Richmond:										
Douglas-fir	0	--	0	--	0	--	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Hemlock	0	--	0	--	0		0		0	--
Spruce	0	--	0	--	0	--	0	--	0	--
Other softwoods	0	--	0	--	0	--	0	--	0	--
All softwoods	0	--	0	--	0	--	0	--	0	--
Hardwoods	0	--	0		0	--	0	--	0	--
Sacramento:										
Douglas-fir	4,077	535.09	210	498.81	3,867	537.06	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Hemlock	7,425	217.08	0	--	2,475	217.08	0	--	0	--
Spruce	0	--	0	--	0	--	0	--	0	--
Other softwoods	11,456	503.93	2,500	476.90	7,756	517.12	0	--	0	--
All softwoods	22,958	416.69	2,710	478.60	14,098	469.92	0	--	0	--
Hardwoods	0	--	0	--	0	--	0	--	0	--
San Francisco:										
Douglas-fir	2,500	375.00	0		2,500	375.00	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Hemlock	0	--	0	--	0	--	0	--	0	--
Spruce	1,000	365.00	0	--	1,000	365.00	0	--	0	--
Other softwoods	1,000	365.00	0	--	1,000	365.00	0	--	0	--
All softwoods	4,500	370.56	0	--	4,500	370.56	0	--	0	--
Hardwoods	64	632.64	55	423.69	0	--	0	--	0	--
Total:										
Douglas-fir	11,958	471.96	3,356	526.17	8,567	450.72	35	472.51	0	--
Port-Orford-cedar	0		0	--	0	--	0	--	0	--
Hemlock	7,693	217.90	268	240.50	2,475	217.08	0	--	0	--
Spruce	6,114	373.15	36	222.00	6,078	374.05	0	--	0	--
Other softwoods	17,352	470.12	5,546	443.77	10,343	480.75	63	374.83	0	--
All softwoods	43,117	411.80	9,206	467.02	27,463	424.01	98	409.71	0	--
Hardwoods	489	805.48	438	681.41	0	--	10	823.40	0	--

Source: U.S. Department of Commerce.

Table 32—Volume and average value of log exports by port, species, and destination, Anchorage Customs District, 1987

(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:										
Redcedar	214	302.21	0	--	0	--	214	302.21	0	--
Hemlock	10,993	271.26	5,866	313.46	461	300.00	2,440	242.81	0	--
Spruce	49,414	319.94	27,759	344.84	17,141	313.02	2,634	194.86	0	--
Other Softwoods	0	--	0	--	0	--	0	--	0	--
All softwoods	60,621	311.05	33,625	337.37	17,602	312.68	5,288	221.33	0	--
Hardwoods	0		0	--	0	--	0	--	0	--
Juneau:										
Redcedar	0	--	0	--	0	--	0	--	0	--
Hemlock	29,356	371.81	17,549	459.29	0	--	11,807	241.78	0	--
Spruce	15,296	588.06	15,131	592.02	0	--	165	224.24	0	--
Other softwoods	472	1,171.00	472	1,171.00	0	--	0	--	0	--
All softwoods	45,124	453.47	33,152	530.01	0	--	11,972	241.54	0	--
Hardwoods	82	552.67	29	716.69	0	--	0	--	0	--
Ketchikan:										
Redcedar	26,868	343.02	9,540	386.37	0	--	10,129	388.58	7,199	221.47
Hemlock	191,765	377.26	117,299	507.49	1,600	150.00	32,959	245.28	38,930	109.16
Spruce	98,274	717.63	85,837	798.23	400	150.00	1,194	607.99	10,823	112.15
Other softwoods	13,577	970.12	12,034	1,078.25	0	--	50	450.00	1,493	116.00
All softwoods	330,484	500.04	224,710	643.98	2,000	150.00	44,332	288.02	58,445	123.72
Hardwoods	0	--	0	--	0	--	0	--	0	--
Valdez:										
Redcedar	270	308.52	270	308.52	0	--	0	--	0	--
Hemlock	565	319.00	565	319.00	0	--	0	--	0	--
Spruce	65	1,485.00	65	1,485.00	0	--	0	--	0	--
Other softwoods	25	1,150.00	25	1,150.00	0	--	0	--	0	--
All softwoods	925	420.34	925	420.34	0	--	0	--	0	--
Hardwoods	0	--	0	--	0	--	0	--	0	--
Wrangell:										
Redcedar	8,675	479.77	1,867	424.49	0	--	6,666	496.88	142	403.18
Hemlock	1,551	363.44	1,507	364.70	0	--	44	320.32	0	--
Spruce	1,338	872.55	1,324	879.21	0	--	14	242.79	0	--
Other softwoods	4,409	678.70	4,090	645.04	0	--	0	--	319	1,110.35
All softwoods	15,973	556.29	8,788	585.39	0	--	6,724	495.20	461	892.52
Hardwoods	0	--	0	--	0	--	0	--	0	--
Total:										
Redcedar	36,027	375.45	11,677	390.67	0	--	17,009	429.94	7,341	224.98
Hemlock	234,230	371.37	142,786	491.34	2,061	183.55	47,250	244.35	38,930	109.16
Spruce	164,387	587.59	130,116	678.69	17,541	309.31	4,007	319.34	10,823	112.15
Other softwoods	18,483	905.98	16,621	974.39	0	--	50	450.00	1,812	291.05
All softwoods	453,127	471.94	301,200	595.03	19,602	296.08	68,316	295.10	58,906	129.74
Hardwoods	82	552.67	29	716.69	0	--	0	--	0	--

Source: U.S. Department of Commerce.

Table 33–Volume and average value of log exports by port, species, and destination, Anchorage Customs District, third quarter 1988

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

Port and species	Destination									
	All countries		Japan		People's Republic of China		Korea		Canada	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
Anchorage:										
Douglas-fir	0	--	0	--	0	--	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0		0	--
Redcedar	0		0	--	0	--	0	--	0	--
Hemlock	7,782	474.03	4,859	440.42	0	--	1,782	439.93	0	--
Spruce	19,417	332.54	11,789	284.57	4,000	300.00	2,684	463.60	0	--
Other softwoods	460	1,170.80	460	1,170.80	0	--	0	--	0	--
All softwoods	27,659	386.29	17,108	352.67	4,000	300.00	4,466	454.15	0	--
Hardwoods	281	433.81	0	--	0	--	281	433.81	0	--
Datton Cache:										
Douglas-fir	0	--	0	--	0	--	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	0	--	0	--	0	--	0	--	0	--
Hemlock	0	--	0	--	0	--	0	--	0	--
Spruce	0	--	0	--	0	--	0	--	0	--
Other softwoods	0	--	0	--	0	--	0	--	0	--
All softwoods	0	--	0	--	0	--	0	--	0	--
Hardwoods	0	--	0	--	0	--	0	--	0	--
Juneau:										
Douglas-fir	0	--	0	--	0	--	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	0	--	0	--	0	--	0	--	0	--
Hemlock	7,755	426.15	5,708	482.62	0	--	2,047	268.69	0	--
Spruce	9,924	597.56	9,924	597.56	0	--	0	--	0	--
Other softwoods	15	1,250.00	0	--	0	--	0	--	0	--
All softwoods	17,694	522.99	15,632	555.59	0	--	2,047	268.69	0	--
Hardwoods	48	1,339.35	0	--	0	--	29	999.90	0	--
Ketchikan:										
Douglas-fir	0	--	0	--	0	--	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	11,895	398.11	4,302	466.13	0	--	4,792	419.79	2,394	219.44
Hemlock	61,984	393.48	31,471	574.02	0	--	11,727	339.29	17,776	113.47
Spruce	24,891	856.23	22,159	946.74	0	--	0	--	2,688	117.86
Other softwoods	4,406	1,068.07	4,329	1,083.46	0	--	0	--	77	202.81
All softwoods	103,176	534.46	62,261	734.64	0	--	16,519	362.64	22,935	125.35
Hardwoods	0	--	0	--	0	--	0	--	0	--
Wrangell:										
Douglas-fir	0	--	0	--	0	--	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	7,046	473.12	2,421	341.51	0	--	4,625	542.01	0	--
Hemlock	996	322.92	996	322.92	0	--	0	--	0	--
Spruce	1,627	703.01	1,627	703.01	0	--	0	--	0	--
Other softwoods	879	621.41	500	807.23	0	--	379	376.26	0	--
All softwoods	10,548	506.76	5,544	486.26	0	--	5,004	529.46	0	--
Hardwoods	0	--	0	--	0	--	0	--	0	--
Total:										
Douglas-fir	0	--	0	--	0	--	0	--	0	--
Port-Orford-cedar	0	--	0	--	0	--	0	--	0	--
Redcedar	18,941	426.01	6,723	421.26	0	--	9,417	479.82	2,394	219.44
Hemlock	78,517	403.79	43,034	541.00	0	--	15,556	341.53	17,776	113.47
Spruce	55,059	623.77	45,499	690.30	4,000	300.00	2,684	463.60	2,688	117.86
Other softwoods	5,760	1,008.59	5,289	1,064.95	0	--	379	376.26	77	202.81
All softwoods	159,077	505.58	100,545	628.12	4,000	300.00	28,036	400.13	22,935	125.35
Hardwoods	329	565.92	0	--	0	--	310	486.76	0	--

Source: U.S. Department 'of Commerce.

Table 34--Volume and value of hardwood log exports from Seattle, Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1977-88

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

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs District		San Francisco Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
TO ALL COUNTRIES								
1977	2.735	2.117.386	189	87.839	0	--	1.396	2.751.996
1978	2,362	2190,449	75	91,486	11	19,250	1,772	4,088,466
1979	2.597	2.216,256	341	420.741	107	68.327	1.272	3.049.981
1980	6,826	5.153.711	2.026	764.511.	186	44,960	900	2,260.961
1981	3,416	3.173,191	439	470.373	*0*	--	683	1,422,547
1982	3,788	2,894,801	335	217.463	*0*		623	1,364,227
1983	4.442	2,629.711	374	170.853	*0*		241	228,307
1984	5.918	3,762.641	537	1,020,322	*0*		302	650.290
1985	4,024	3.826.934	1.090	1,284,289	*0*		234	327.511
1986	7.603	8.402.865	1.713	1,291.021	31	13,000	282	319,051
1987:								
1st quarter	4.680	4.120.995	306	393.727	0	--	58	141.790
2d quarter	3,591	3,143,292	48	77,646	0	--	61	100.076
3d quarter	2,767	1,767.528	503	409.389	53	24,535	791	715.972
4th quarter	4,676	3,145,555	1,264	568.121	29	20.784	1,262	859.394
1907 total	15,714	12,177,370	2.121	1,448,883	82	45.319	2,172	1.817.232
1988:								
1st quarter	8.558	5,874.000	879	493.000	*0*	--	346	252,000
2d quarter	10.178	6,594.000	1,024	752.000	91	42,000	284	175,000
3d quarter	5,219	3,829.000	488	433.000	329	186,000	489	394,000
4th quarter								
1988 total								
TO JAPAN								
1977	1.444	1,179.616	17	33.347	0	--	1,063	2.300.667
1978	1.178	819.332	57	84.025	0	--	1.248	3,059,204
1979	1,824	1.153.644	300	359.119	43	7,000	1,059	2,339,089
1980	4.786	1,969.245	1,964	726,891	182	42,200	579	1,532,496
1981	2.037	2,162,473	229	264.161	0	--	310	742,998
1982	1,465	1,212,079	35	64,504	0	--	417	911,992
1983	1.256	918.408	229	81,616	0	--	61	99,250
1984	3.260	1,272.395	398	757,459	*0*	--	218	433.562
1985	968	1,004.884	438	812,192	*0*	--	90	152.984
1986	2,633	3.029.176	1,569	1,220,117	*0*	--	32	53.570
1987:								
1st quarter	1,194	1,317,292	143	156.072	0		5	20.765
2d quarter	285	294.962	36	58,146	0		*0*	
3d quarter	316	228.899	479	374.079	0		12	18.000
4th quarter	1.181	992.768	185	124.611	29	20.784	245	195.835
1987 total	2.976	2.833.921	643	712.908	29	20,764	262	234.600
1988:								
1st quarter	4.226	2.953.000	322	216,000	0	--	240	169.000
2d quarter	3.622	1.743.000	725	632.000	31	28,000	186	123.000
3d quarter	1.590	916.000	392	287,000	0		438	298.000
4th Quarter								
1988 total								
TO PEOPLE'S REPUBLIC OF CHINA								
1980	6	2.800	0	--	*0*	--	0	--
1981	0	--	0	--	0	--	*0*	--
1982	45	45.000	0	--	*0*	--	0	--
1983	0	--	100	22.500	0	--	*0*	--
1984	0	--	0	--	0	--	0	--
1985	0	--	59	14.963	0	--	*0*	--
1986	7	15.900	0	--	0	--	0	--
1987:								
1st quarter	*0*		*0*	--	0	--	*0*	--
2d quarter	*0*		*0*	--	0	--	0	--
3d quarter	*0*	--	*0*	--	0	--	*0*	--
4th quarter	*0*		1,000	390.000	0	--	0	--
1987 total	0	--	1,000	390,000	0	--	0	--
1988:								
1st quarter	*0*		*0*		*0*	--	0	--
2d quarter	*0*		0	--	*0*	--	0	--
3d quarter	*0*		0	--	*0*	--	0	--
4th quarter								
1988 total								

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

Table 35--Volume and average value of log exports from southern California ports by species, 1978-88

(In thousand board feet, Scribner scale)

Year and quarter	Total		Douglas-fir		Other softwoods		Hardwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1978	1,890	1,047.62	172	279.07	917	320.61	801	2,044.94
1979	2,117	1,315.07	290	368.97	359	835.65	1,468	1,619.89
1980	1,149	1,117.49	295	467.80	610	1,170.49	244	1,770.49
1981	738	1,550.14	88	397.73	186	392.47	464	2,232.76
1982	797	930.99	281	352.31	211	691.94	305	1,632.79
1983	674	424.33	0	--	31	451.61	643	578.54
1984	2,618	364.02	4	500.00	624	285.26	1,990	388.44
1985	1,992	384.54	9	444.44	779	281.13	1,204	451.00
1986	5,772	402.81	75	213.33	2,151	265.92	3,546	489.85
1987:								
1st quarter	1,558	620.03	0	--	561	420.68	997	733.20
2d quarter	2,859	489.33	1,480	381.08	1,017	379.55	362	1,243.09
3d quarter	1,166	879.07	0	--	518	426.64	648	1,240.74
4th quarter	1,959	589.59	0	--	458	314.41	1,501	672.22
1987 total	7,542	602.76	1,480	381.08	2,554	386.45	3,508	853.76
1988:								
1st quarter	2,332	743.57	0	--	622	342.44	1,710	889.47
2d quarter	3,284	713.76	34	470.59	818	297.07	2,432	857.32
3d quarter	3,558	724.28	76	473.68	428	250.00	3,054	796.99
4th quarter								
1988 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 36--Volume and average value of softwood log exports to Canada from the Great Falls Customs District, 1977-88[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
1977	1,227	247.66	'467	251.10	760	245.54
1978	901	226.05	136	367.43	765	200.91
1979	3,906	168.47	0	--	3,906	168.47
1980	699	239.88	36	303.53	663	236.42
1981	477	362.68	123	475.06	354	323.64
1982	418	285.81	16	203.81	402	289.07
1983	625	262.78	0	--	614	259.23
1984	714	262.77	34	476.85	74	250.50
1985	475	267.38	49	336.90	426	259.38
1986	105	281.20	17	484.53	88	241.92
1987:						
1st quarter	60	251.45	0	--	60	251.45
2d quarter	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--
4th quarter	38	259.79	27	241.78	11	304.00
1987 total and average value	98	255.10	27	241.78	71	259.59
1988:						
1st quarter	26	230.77	0	--	26	230.77
2d quarter	2	1,000.00	0	--	2	1,000.00
3d quarter	19	473.68	19	473.68	0	--
4th quarter						
1988 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 37—Volume of log exports from British Columbia ports by species and destination, 1977-88[a]

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			TO ALL COUNTRIES				
1977	186,511	10,085	118,085	36,048	19,835	754	1,704
1978	128,853	8,592	24,467	45,143	49,767	530	354
1979	169,107	2,431	56,504	56,954	43,201	4,135	5,882
1980	231,784	8,907	106,193	49,590	36,756	12,155	18,183
1981	184,481	856	98,579	24,616	37,774	18,943	3,713
1982	252,892	48,192	75,731	38,005	40,446	37,087	13,431
1983	481,377	124,489	179,137	22,565	54,900	52,679	47,607
1984	b 705,487	132,718	382,809	41,112	80,871	54,293	b 13,684
1985	532,955	29,892	264,322	31,625	81,719	114,189	11,208
1986	569,372	3,953	299,775	6,845	119,476	118,843	20,480
1987	750,438	7,093	383,776	7,108	129,074	190,094	33,293
1988:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							
			TO JAPAN				
1977	109,301	5,106	65,092	23,413	15,489	201	0
1978	90,001	4,094	16,890	24,038	44,814	99	66
1979	120,297	1,894	49,281	27,597	35,883	3,636	2,056
1980	154,824	1,692	61,500	35,346	36.157	6,939	13,190
1981	131,321	698	71,645	17,427	31,541	10,010	0
1982	130,457	8,205	51,603	23,459	29,806	16,758	626
1983	241,211	55,266	103,641	20,320	39,997	21,716	271
1984	b 406,680	88,349	174,230	29,619	69,434	39,208	b 5,840
1985	321,464	12,573	164.618	13,431	54,897	75,021	924
1986	398,124	475	216,119	3,741	96,488	79,779	1,522
1987	553,785	6,135	291,356	6,283	105,503	140,699	3,809
1980:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							

Table 37–Volume of log exports from British Columbia ports by species and destination, 1977-88 a/ (continued)

(In thousand board feet, British Columbia log scale)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			TO UNITED **STATES**				
1977	74,442	4,979	50,817	12,043	4,346	553	1,704
1978	32,843	4,498	6,039	19,144	2,443	431	288
1979	48,810	537	7,223	29,357	7,368	499	3,826
1980	76,955	7,215	44,693	14,244	594	5,216	4,993
1981	50,324	158	26,934	7,189	4,340	8,879	2,824
1982	63,900	1,524	23,241	10,705	5,695	20,044	2,691
1983	112,505	11,310	59,440	961	11,777	25,649	3,368
1984	b 110,263	8,167	73,102	6,867	8,426	8,752	b 4,979
1985	95,515	1,004	30,073	12,961	23,988	25,124	2,365
1986	55,765	255	27,750	1,852	8,759	15,153	1,996
1987	51,065	0	24,216	758	7,663	15,937	2,491
1988:							
1st quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2d quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
3d quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
4th quarter							
1988 total							
			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:							
1st quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2d quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
3d quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
4th quarter							
1988 total							

NA = not available.

a Does not include shipments of pulpwood logs.

b Does not include all hardwoods.

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

Table 38—Average value of log exports from British Columbia ports by species and destination, 1985-88[a]

(In dollars per thousand board feet, Canadian dollars)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedar	Spruce	Other softwoods	Hardwoods
			TO ALL COUNTRIES				
1985	296.64	335.08	272.25	367.51	333.84	307.88	183.65
1986	315.94	272.45	293.29	350.34	383.37	323.05	209.84
1987	411.43	402.14	394.49	1,154.26	473.53	412.21	204.85
1988:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							
			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:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							
			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:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							
			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:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							

NA = not available.

[a] Does not include shipments of pulpwood logs.

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

Table 39--Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1977-88

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

Year and quarter	Volume	Average value
1977	**91,962**	**194.93**
1978	**41,307**	**271.29**
1979	**75,855**	**298.89**
1980	**51,828**	**233.08**
1981	**33,985**	**319.77**
1982	**59,492**	**313.27**
1983	**76,674**	**225.58**
1984	**65,067**	**135.12**
1985	**48,654**	**275.97**
1986	**27,864**	**155.47**
1987:		
1st quarter	**2,692**	**368.43**
2d quarter	3,773	198.77
3d quarter	**13,561**	**255.23**
4th quarter	32,162	**234.99**
1987 total and average value	**52,188**	**244.51**
1988:		
1st quarter	**10,515**	**196.39**
2d quarter	**13,111**	**320.57**
3d quarter	**8.580**	**413.87**
4th quarter		
1988 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 40—Volume and average value of pulpwood imports from Canada into the Seattle Customs District, 1977-88

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Average. value	Volume	Average value
	Short tons[a]	Dollars	Cords[b]	Dollars
1977	1,056,102	18.59	16,674	91.19
1978	1,215,483	16.37	0	--
1979	1,039,458	17.19	0	--
1980	1,185,701	26.77	57,337	66.64
1981	1,160,507	32.33	23,084	130.11
1982	1,247,813	32.15	8,320	139.24
1983	1,427,490	24.32	0	--
1984	1,503,698	22.66	0	--
1985	727,446	27.48	0	--
1986	701,586	25.91	85	124.73
1987:				
1st quarter	91,470	31.61	0	--
2d quarter	105,812	23.10	0	--
3d quarter	108,866	35.92	2,186	96.98
4th quarter	159,710	29.26	6,134	163.94
1987 total and average value	465,858	29.88	8,320	146.34
1988:				
1st quarter	217,918	28.31	4,950	116.77
2d quarter	160,538	44.01	6,440	182.61
3d quarter	206,984	45.94	10,245	101.90
4th quarter				
1988 total and average value				

[a] Dry-weight basis.

[b] Green-weight basis.

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

Table 41—Volume and average value of chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1977-88

(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
1977	281,540	49.17	2,892,333	43.33	519,444	42.91	107,429	51.67
1978	299,140	46.16	2,650,423	42.98	412,107	40.82	31,827	37.20
1979	346,209	50.05	3,125,103	42.55	603,989	44.69	83,706	48.62
1980	268,103	79.53	2,849,927	88.44	728,459	85.81	151,328	75.57
1981	296,461	80.74	2,076,612	85.51	321,533	89.89	77,649	73.61
1982	328,374	79.27	1,914,439	83.31	196,292	83.36	74,164	68.98
1983	247,935	74.24	1,668,971	68.17	350,587	66.82	6,645	34.67
1984	216,089	76.89	1,632,815	70.96	331,257	71.41	16,525	46.51
1985	276,054	76.16	1,626,490	74.22	302,147	71.31	0	
1986	446,226	73.97	1,577,739	72.02	256,981	71.77	0	--
1987:								
1st quarter	84,041	81.47	349,730	72.62	48,503	74.88	0	--
2d quarter	108,308	80.10	451,497	72.85	10,043	90.31	0	--
3d quarter	148,451	74.77	566,455	72.69	58,582	71.07	0	
4th quarter	123,626	81.64	485,238	72.82	91,119	77.02	252	45.52
1987 total and average value	464,426	79.06	1,852,920	72.75	208,247	75.49	252	45.52
1988:								
1st quarter	159,794	86.24	393,460	72.31	68,689	79.71	208	48.08
2d quarter	177,621	87.99	579,809	77.90	48,999	70.00	0	
3d quarter	168,256	97.59	467,338	82.09	95,013	88.97	11,297	48.69
4th quarter								
1988 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 42--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88[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												
1977	549.059	372,609	125.479	50.971	256,703	123,783	92,364	40,556	292.356	248.826	33,115	10.415
1978	585.588	374.032	135,156	76,400	310.100	128,895	118,094	63,111	275,488	245.137	17.062	13.289
1979	839,995	427,063	280,067	132,765	413,673	98,685	211.030	103,858	426.322	328,378	69.031	28.907
1980	984,882	449,123	338,487	197.272	521,728	106,671	270.706	144,351	463,154	342,452	67.781	52.921
1981	933,739	451,075	268,024	214.640	467,886	139,070	173.000	155,816	465,853	312,005	95,024	58.824
1982	888,401	419,263	306,901	162,237	472.956	117,049	237.174	118,733	415,445	302,214	69.727	43,504
1983	7,022,055	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:												
1st qtr.	337,968	155.634	121.925	60.409	211.908	60,437	102,132	49,339	126.060	95,197	19.793	11,070
2d qtr.	335.127	154.375	116,563	64,189	211.401	55,712	101,144	54.545	123.726	98,663	15.419	9,644
3d qtr.	364,914	134.840	151,549	78,525	231.492	54.821	117.353	59.318	133.422	80,019	34.196	19.207
4th qtr.	414.860	150.640	177.041	87.179	263.319	63,298	137.594	62.427	151.541	87.342	39.447	24.752
1987 total	1,452.869	595.489	567,078	290.302	918,120	234,268	458,223	225,629	534,749	361.221	108,855	64,673
1988:												
1st qtr.	405,079	150,643	148,789	105,647	258.774	66,837	107,143	84,794	146,305	83,806	41.646	20.853
2d qtr.	444,093	197,664	145,623	100,806	275.653	93.284	113,027	69.342	168,440	104.380	32.596	31,464
3d qtr.	489,761	229.172	147.021	113.568	255.317	83.623	100.707	70.987	234.444	145,549	46.314	42.581
4th qtr.												
1988 total												
TO JAPAN												
1977	145.386	40,945	93,719	10.722	108,468	20.845	80.161	7,462	36.918	20,100	13,558	3.260
1978	163,233	36.429	108.610	18.194	141.963	25,609	103.056	13,289	21.270	10.820	5,554	4.896
1979	355.840	75.567	227.702	52,571	258.444	45,549	177.239	35.656	97.396	30.018	50.463	16.915
1980	362,458	53,084	249,729	59,645	269,406	26,428	199,237	43.741	93.052	26.656	50,492	15.904
1981	312,232	55,479	206,837	49,916	189,547	25,966	128,307	35.274	122.685	29,513	78,530	14.642
1982	414.221	94,161	260.844	59.216	283,500	41,819	201,775	39.906	130.721	52.342	59,069	19.310
1983	448,042	113,869	254,524	79,649	315,750	57,802	191,152	66,796	132,292	56.067	63,372	12.853
1984	414,272	99,847	229,242	85,183	246,218	45,966	141.411	58,841	168.054	53,881	87.831	26.342
1985	472,120	97,528	281,675	92,917	266,871	30,930	172.205	63,736	205,249	66,598	109,470	29.181
1986	672,409	129,385	424,528	118.496	497.508	78.111	329.745	89.652	174.901	51.274	94.783	28,844
1987:												
1st qtr.	190,041	45.433	113,710	30,898	151.550	34.141	94.224	23,185	38,491	11.292	19.486	7.713
2d qtr.	172.087	34.436	107.403	30,248	145.610	28,939	92.763	23,908	26,477	5,497	14.640	6,340
3d qtr.	221,809	45,907	136,586	39,316	174,877	34.659	111.270	28,948	46.932	11.248	25.316	10.368
4th qtr.	267,046	56,407	158,211	52.428	207.188	39,254	128.832	39,102	59.858	17.153	29,379	13.326
1987 total	850,983	182.183	515.910	152,890	679.225	136.993	427.089	115.143	171.758	45.190	88.821	37,747
1988:												
1st qtr.	243,477	53,482	131.918	58,077	170.154	32,582	94,326	43.246	73,323	20.900	37.592	14.831
2d qtr.	246,254	70,008	128.078	48,168	185.099	52,612	96,308	36,179	61,155	17,396	31.770	11.989
3d qtr.	267,965	77,549	131,939	58,477	166,459	38.853	87.826	39.780	101.586	38,696	44.113	18.697
4th qtr.												
1988 total												

Table 42--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88[a] (continued)

(In thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
					TO CANADA							
1977	76.251	45,842	3,695	26.714	76.251	45,842	3,695	26.714	0	0	0	0
1978	117,969	69,852	9.241	38,876	11T.930	69.813	9.241	38,876	39	39	0	0
1979	113,977	38,917	18.870	56.190	113,977	38.917	18,870	56,190	0	0	0	0
1980	159.658	54.876	26.325	78.457	159,658	54,876	26.325	78,457	0	0	0	0
1981	213.594	91.861	20,598	101.135	213,594	97,861	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	154.009	59,174	9.948	81,887	0	0	0	0
1987:												
1st qtr.	36,236	12,764	2,701	20,771	36,236	12,764	2.701	20,771	0	0	0	0
2d qtr.	41,606	13,597	2.685	25,324	41,606	13,597	2,685	25.324	0	0	0	0
3d qtr.	38,699	11,275	2.535	24.889	38,699	11,275	2.535	24.889	0	0	0	0
4th qtr.	37,268	17.856	3.191	16.221	37.268	17,856	3,191	16,221	0	0	0	0
1987 total	153.809	55.492	11,112	87.205	153,809	55.492	11.112	87.205	0	0	0	0
1988:												
1st qtr.	53.070	21.898	5,396	25,776	53,070	21,898	5,396	25,776	0	0	0	0
2d qtr.	50,644	20.762	6.508	23.374	50,644	20,762	6.508	23.374	0	0	0	0
3d qtr.	44,012	19.115	3,881	21,016	44,012	19.115	3.881	21,016	0	0	0	0
4th qtr.												
1988 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:												
1st qtr.	0	0	0	0	0	0	0	0	0	0	0	0
2d qtr.	8.636	8,636	0	0	0	0	0	0	8,636	8.636	0	0
3d qtr.	119	0	0	119	119	0	0	119	0	0	0	0
4th qtr.	512	198	0	314	512	198	0	314	0	0	0	0
1987 total	9.267	8.834	0	433	631	198	0	433	8,636	8.636	0	0
1988:												
1st qtr.	118	0	118	0	118	0	118	0	0	0	0	0
2d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
3d qtr.	0	0	0	0	0	0	0	0	0	0	0	0
4th qtr.												
1988 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.

Table 43—Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88[a]

(In thousands of dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
TO ALL COUNTRIES												
1977	186.690	138.601	30,198	17,890	71.411	36,042	22.369	13,000	115,279	102,559	7,830	4.890
1978	212,155	150,940	36,021	25.194	89,987	39,933	31,495	18,558	122.168	111,007	4.526	6.636
1979	435.366	272,971	105,592	56.803	166.095	46,566	78.413	41.117	269.271	226,405	27.180	15.686
1980	429,549	251,940	108.257	69,351	169,364	38.529	84,048	46,788	260,185	213,411	24.210	22.564
1981	361.416	196,961	91.882	72,572	155.626	50.182	55,846	49,598	205.789	146,779	36.037	22.974
1982	323,061	175.211	89,511	58,339	142.366	36.056	69,144	37.166	180.696	139,156	20,367	21.173
1983	363,007	206,037	90,489	66.481	166.499	45,242	70,845	50,411	196,509	160,795	19,644	16,070
1984	330,970	190.732	74,134	66.104	132,977	39,207	49.225	44,545	197,993	151.525	24.909	21,560
1985	303.107	158,986	89,107	55.014	130,839	34,168	57,877	38.794	172,269	124.818	31.231	16.220
1986	413,932	191,641	143,117	79.174	245.884	67.314	114,053	64.517	168,048	124,327	29.064	14.656
1987:												
1st qtr.	131.856	69,140	42,478	20.238	73,077	21,445	35.941	15,691	58,779	47.695	6.537	4.547
2d qtr.	129,953	69,838	39.372	20.743	70,754	20,152	34.131	16,471	59.199	49,686	5.241	4.272
3d qtr.	140,888	60.354	52.852	27,682	82,323	21,648	41.381	19.294	58,565	38.706	11,471	8.388
4th qtr.	158,227	66,610	60,468	31,149	90,880	23,617	46,070	21.193	67,347	42.993	14.398	9.956
1987 total	560,924	265,942	195,170	99.812	317.034	86,862	157,523	72.649	243.890	179,080	37,647	27.163
1988:												
1st qtr.	153.373	68.360	52.022	32,991	86.276	23,977	36,831	25.468	67.097	44,383	15.191	7.523
2d qtr.	174,877	89.863	51.963	33.051	96.907	34,303	39.471	23.133	77,970	55,560	12.492	9.918
3d qtr.	188,910	99.103	52.959	36.848	90.269	31,068	35,164	24.037	98.641	68,035	17.795	12.811
4th qtr.												
7988 total												
TO JAPAN												
1977	35,428	10.211	22.526	2.692	26.738	5,558	19.268	1,912	8,691	4.652	3.258	780
1978	48,964	14,318	28,917	5,729	41.719	10,142	27,162	4,414	7,245	4,176	1,755	1.315
1979	148.834	37,132	85,634	26.068	105.441	22,273	66,052	17.116	43.392	14,859	19.582	8.952
1980	127.954	20,803	82.940	24.211	93.330	10,354	64.998	17,979	34,624	10,449	17,942	16.232
1981	111,549	24.244	66.441	20,864	67,835	11,139	41.421	15,274	43,715	13,105	25,020	5.590
1982	129,281	29,748	77,542	21.980	81.284	11,752	55,660	13,872	46.997	17.996	21,882	8.119
1983	137,571	33,469	77,244	26.858	98,180	16,073	59,386	22.721	39.391	17,395	17.858	4,137
1984	123,595	30.899	64.837	27.859	74.996	13,802	41.970	19,224	48,598	17.097	22,867	8.635
1985	141.536	28,966	83,125	29,445	82.653	8,795	53,681	20,177	58,883	20,171	29.444	9.268
1986	222.302	44.466	133,059	44,777	165,304	26,505	104,771	34,028	56,999	17.961	28.288	10.749
1987:												
1st qtr.	66.288	15,662	39,124	11,501	53.400	11,954	32,735	8,711	12,888	3,709	6,389	2.790
2d qtr.	60.120	12,971	36.158	10,991	50,633	10.956	31,152	8,525	9.487	2,015	5,006	2,466
3d qtr.	82,501	19,397	47.431	15.673	65.068	14,557	39.135	11.376	17,433	4.840	8.296	4.297
4th qtr.	93.257	20,340	54,125	18.792	70.651	14.200	43,187	13.264	22.606	6,140	10.938	5,528
1987 total	302.166	68.370	176.838	56.957	239.752	51.667	146,208	41.876	62.414	16,704	30.629	15.081
7988:												
1st qtr.	83.619	18.173	46.186	18,559	57.328	10.744	32,406	14.178	26,291	7,429	13.780	5.082
2d qtr.	84.692	22,311	45,855	16.526	62.297	16,581	33,642	12.074	22,395	5,730	12,213	4.452
3d qtr.	92.681	24,634	47,508	20,539	56,569	12.593	30.564	13,412	36,112	12.041	16,944	7.127
4th qtr.												
1988 total												

Table 43—Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88[a] (continued)

(In thousands of dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods	Total	Douglas-fir	Western hemlock	Other softwoods
TO CANADA												
1977	18.087	9.429	1,006	7,652	18.087	9.429	1,006	7.652	--	--	--	--
1978	21,979	10.632	2,227	9.120	21,958	10.611	2,227	9.120	21	21	--	--
1979	37.986	14.959	6.249	16,777	37,986	14.959	6,249	16,777	--	--	--	--
1980	42,096	15.679	6.649	19,768	42.096	15,679	6,649	19,768				
1981	58,031	27.433	6.200	24.397	58.031	27.433	6,200	24,397				
1982	31,671	13.648	3,536	14.505	31,671	13.648	3,536	14,505				
1983	44,175	20.039	3,297	20.838	44.175	20.039	3,297	20.838				
1984	31,348	13,068	2,534	15.745	37,348	13.068	2,534	15.745	--	--	--	--
1985	31,657	15,738	2,098	13.821	37,648	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:												
1st qtr.	9.652	4.134	989	4.529	9,652	4,134	989	4,529				
2d qtr.	10,787	4.532	968	5.287	10,787	4,532	968	5.287	--	--	--	--
3d qtr.	10,192	3,836	845	5.511	10.192	3.836	845	5.511	--	--	--	--
4th qtr.	12,169	6.180	1.150	4.839	12.169	6.180	1.150	4.839	--	--	--	--
1987 total	42.800	18,682	3.952	20,166	42.800	18,682	3,952	20.166	--	--	--	--
1988:												
1st qtr.	16.799	7,403	1,911	7.485	16.799	7.403	1.911	7.485	--	--	--	
2d qtr.	17.076	7.804	2.304	6.968	17.076	7.804	2.304	6,968	--	--	--	--
3d qtr.	14.214	6.906	1,381	5.927	14,214	6.906	1.381	5,927	--	--	--	--
4th qtr.												
1988 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:												
1st qtr.								--	--	--	--	--
2d qtr.	2.548	2.548	--	--	--	--	--	--	2,548	2,548	--	--
3d qtr.	69	--	--	69	69	--	--	69	--	--	--	--
4th qtr.	175	87	--	88	175	87	--	88	--	--	--	--
1987 total	2.792	2.635		157	244	87		157	2.548	2,548		
1988:												
1st qtr.	41	--	41	--	41	--	41	--	--	--	--	--
2d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.												
1988 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 44—Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88[a]

(In dollars per thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs Distrlct				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-flr	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
TO ALL COUNTRIES												
1977	340.02	371.97	240.66	350.99	278.19	291.17	242.18	320.55	394.31	412.17	236.43	469.55
1978	362.29	403.55	266.51	329.76	290.19	309.81	266.70	294.06	443.46	452.34	265.25	499.35
1979	518.36	639.18	377.08	427.85	401.51	471.86	371.57	395.90	631.60	699.47	393.73	542.65
1980	436.14	560.96	319.83	351.55	324.62	361.19	310.48	324.13	561.77	623.19	357.18	426.36
1981	387.06	436.65	342.81	338.11	332.62	360.84	322.81	318.31	441.75	470.44	379.24	390.55
1982	363.64	417.90	291.66	359.59	301.01	308.04	291.53	313.02	434.95	460.46	292.09	486.70
1983	355.17	401.64	306.32	311.15	301.26	297.07	317.28	284.66	418.66	445.80	272.89	478.61
1984	348.57	384.22	287.76	338.19	314.01	322.95	304.50	317.24	376.39	404.05	259.55	391.65
1985	334.58	372.74	294.92	310.36	308.35	323.13	313.75	289.26	357.69	389.09	265.39	375.97
1986	359.46	412.71	316.20	337.53	329.03	348.17	320.86	325.01	415.74	458.75	299.18	406.41
1987:												
1st qtr.	390.14	444.25	348.39	335.02	344.85	354.83	351.91	318.02	466.28	501.01	330.27	410.75
2d qtr.	387.77	452.39	337.77	323.16	334.69	361.72	337.45	301.97	478.47	503.59	339.91	442.97
3d qtr.	386.09	447.60	348.75	352.53	355.62	394.89	352.62	325.26	438.95	483.71	335.45	436.72
4th qtr.	381.40	442.18	341.55	357.30	345.13	373.11	334.83	339.48	444.41	492.24	365.00	402.23
1987 average	386.08	446.59	344.17	343.82	345.31	370.78	343.77	321.98	456.08	495.76	345.85	420.01
1988:												
1st qtr.	378.62	453.79	349.64	312.28	333.40	358.74	343.76	300.35	458.61	529.59	364.76	360.76
2d qtr.	393.78	454.63	356.83	327.87	351.55	367.73	349.22	333.61	462.89	532.29	383.24	315.22
3d qtr.	385.72	432.44	360.21	324.46	353.56	371.52	349.17	338.61	420.74	467.44	384.23	300.06
4th qtr.												
1988 average												
TO JAPAN												
1977	243.68	249.38	240.35	250.06	246.50	266.64	240.37	256.19	235.40	231.45	240.28	239.31
1978	299.96	393.04	266.25	314.88	293.87	396.05	263.56	332.17	340.64	385.92	316.02	268.52
1979	418.26	491.38	376.08	495.86	407.98	488.99	372.67	480.04	445.53	495.01	388.04	529.21
1980	353.02	391.89	332.12	405.92	346.43	391.76	326.23	411.03	372.09	392.01	355.34	391.88
1981	357.26	436.99	321.23	417.97	357.88	428.98	322.83	433.00	356.32	444.04	318.60	381.77
1982	312.11	315.93	297.27	371.19	286.72	281.02	275.85	347.61	359.52	343.82	370.45	420.45
1983	307.05	293.92	303.49	337.21	310.94	278.08	310.68	340.15	297.76	310.26	281.80	328.89
1984	298.34	309.46	282.83	327.05	304.59	300.27	296.79	326.71	289.18	317.31	260.35	327.80
1985	299.79	297.00	295.11	316.90	309.71	284.35	311.73	316.57	286.89	302.88	268.96	317.62
1986	330.61	343.67	313.43	377.88	332.26	339.32	317.73	379.56	325.89	350.29	298.45	372.66
1987:												
1st qtr.	348.81	344.73	344.07	372.22	352.36	350.14	347.42	375.72	334.83	328.46	327.00	361.73
2d qtr.	349.36	376.67	336.66	363.36	347.73	378.59	335.82	356.58	358.31	366.56	341.94	388.96
3d qtr.	371.95	422.53	347.26	398.64	372.08	420.01	351.71	392.98	371.45	430.30	327.70	414.45
4th qtr.	349.22	360.59	342.11	358.43	341.00	361.75	335.22	339.22	377.66	357.95	372.31	414.03
1987 average	355.32	375.28	342.77	372.54	352.98	377.15	342.34	363.69	363.38	369.64	344.84	399.53
1988:												
1st qtr.	343.44	339.80	350.11	319.56	336.92	329.75	343.55	327.85	358.56	355.45	366.57	342.66
2d qtr.	343.92	318.69	358.02	343.09	336.56	315.16	349.32	333.73	366.20	329.39	384.42	371.34
3d qtr.	345.87	317.66	360.08	351.23	339.84	324.12	348.01	337.15	355.76	311.17	384.10	381.18
4th qtr.												
1988 average												

Table 44--Average value of softwood lumbes exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1977-88[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							
1977	237.20	205.68	272.32	286.43	237.20	205.68	272.32	286.43	--	--	--	
1978	186.31	152.21	240.99	234.59	186.20	151.99	240.99	234.59	536.67	536.67	--	--
1979	333.39	384.39	331.18	298.58	333.28	384.39	331.18	298.58				
1980	263.66	285.72	252.59	251.96	263.66	285.72	252.59	251.96	--	--	--	--
1981	281.69	298.64	301.46	241.23	271.69	298.64	301.46	241.23	--	--	--	--
1982	263.51	268.80	317.76	248.85	263.51	268.80	317.73	248.85	--	--	--	--
1983	258.69	277.81	338.73	234.41	258.69	277.81	338.73	234.41	--	--	--	--
1984	285.03	286.43	335.28	277.22	285.03	286.43	335.28	277.22	--	--	--	--
1985	266.13	297.82	342.38	230.43	266.09	297.74	342.38	230.43	590.00	590.00	--	--
1986	268.74	324.25	334.44	220.66	268.74	324.25	334.44	220.66	--	--	--	--
1987:												
1st qtr.	266.36	323.88	366.16	218.04	266.36	323.88	366.16	218.04	--	--	--	--
2d qtr.	259.27	333.31	360.52	208.77	259.27	333.31	360.52	208.77	--	--	--	--
3d qtr.	263.37	340.22	333.33	221.42	263.37	340.22	333.33	221.42	--	--	--	--
4th qtr.	326.53	346.10	360.39	290.32	326.53	346.10	360.39	298.32	--	--	--	--
1987 average	278.27	336.66	355.65	231.25	278.27	336.66	355.65	231.25	--	--	--	--
1988:												
1st qtr.	316.54	338.07	354.15	290.39	316.54	338.07	354.15	290.39	--	--	--	--
2d qtr.	337.18	375.88	354.03	298.11	337.18	375.88	354.03	298.11	--	--	--	--
3d qtr.	322.96	361.29	355.84	282.02	322.96	361.29	355.84	282.02	--	--	--	--
4th qtr.												
1988 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:												
1st qtr.		--	--						--	--	--	--
2d qtr.	295.04	295.04	--	--	--	--	--	--	295.04	295.04	--	--
3d qtr.	579.83	--	--	579.83	579.83	--	-	579.83	--	--	--	--
4th qtr.	341.80	439.39	--	280.25	341.80	439.39	-	280.25	--	--	--	--
1987 average	301.28	298.28	--	362.59	386.69	439.39	-	362.59	295.04	295.04	--	
1988:												
1st qtr.	347.46	--	347.46	--	347.46	-	347.46	-	--	--	--	
2d qtr.	--		--		--	--	--	--	--	--	--	--
3d qtr.			--		--	--	--	--	--	--	--	--
4th qtr.												
1988 average												

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

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

Table 45—Volume and average value of softwood lumber exports from northern California ports by species and destination, 1978-88[a]

(In thousand board feet)

Year and quarter	Total		Douglas-fir		Western hemlock		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES								
1978	33.267	571.74	12.931	500.35	770	283.12	19.566	630.28
1979	30,832	781.04	10,539	828.83	1,498	365.15	18.795	787.34
1980	34.603	563.59	10,531	675.72	3,777	418.06	20,295	532.50
1981	47,316	431.12	7.841	507.97	12,037	380.49	27,438	432.03
1982	52,717	401.65	13.855	395.89	7.536	311.84	31.326	425.84
1983	43,280	464.93	18,583	480.71	5.619	333.87	19,078	488.21
1984	23,213	495.46	10,260	459.45	617	405.19	12,336	529.91
1985	33.091	435.25	15,340	452.09	867	386.39	16.884	422.47
1986	43.281	448.49	16,795	497.29	4,914	407.20	21,572	419.90
1987	72,729	362.39	18,829	419.03	7,989	388.28	45.91 1	334.65
1988:								
1st quarter	33,081	285.18	9.739	262.24	4,703	345.10	18.639	292.10
2d quarter	28,862	297.69	7.927	327.87	4,560	328.51	16.375	274.50
3d quarter	26.627	316.11	3.480	387.36	5.129	338.86	18,018	295.87
4th quarter								
1988 total								
TO JAPAN								
1978	7,111	326.68	107	411.22	286	283.22	6.718	327.03
1979	8,854	435.96	0	--	700	330.00	8,154	445.06
1980	17,384	386.62	1,160	387.07	3,256	370.09	12.968	390.81
1981	29.437	414.21	2,608	514.57	11.834	380.01	14.995	423.74
1982	38.213	357.18	7.285	388.06	6.581	318.19	24,347	358.44
1983	22.157	373.83	2.233	312.58	5.414	335.43	14.510	397.66
1984	10,127	465.49	345	252.17	321	448.60	9,461	473.84
1985	14,794	389.69	282	262.41	708	347.46	13,804	394.45
1986	23,651	370.77	226	358.41	4,877	408.04	18,548	361.06
1987	49.227	332.18	506	268.77	7.355	401.09	41,366	320.70
1988:								
1st quarter	20,581	279.58	239	292.89	4,200	314.76	16,142	270.23
2d quarter	20.109	277.94	134	313.43	4,458	328.62	15.517	263.07
3d quarter	22.599	299.79	576	298.61	4,872	338.05	17,151	288.96
4th quarter								
1988 total								
TO PEOPLE'S REPUBLIC OF CHINA								
1978	0	--	0	--	0	--	0	--
1979	0	--	0	--	0	--	0	--
1980	0	--	0	--	0	--	0	--
1981	93	344.09	0	--	0	--	93	344.09
1982	22	318.18	17	235.29	0	--	5	600.00
1983	0	--	0	--	0	--	0	--
1984	0	--	0	--	0	--	0	--
1985	0	--	0	--	0	--	0	--
1986	0	--	0	--	0	--	0	--
1987	0	--	0	--	0	--	0	--
1988:								
1st quarter	95	673.68	0	--	0	--	95	673.68
2d quarter	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter								
1988 total								

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

Source: U.S. Department of Commerce.

Table 46--Volume and average value of softwood lumber exports from southern California ports by species and destination, 1978-88[a]

(In thousand board feet)

Year and quarter	Total		Douglas-fir		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value
			TO ALL COUNTRIES			
1978	74,085	205.40	27,661	178.05	46,424	221.70
1979	81,348	222.67	20,388	197.86	60,960	230.99
1980	95,613	238.49	24,830	209.63	70,783	248.62
1981	109,451	241.62	18,809	246.16	90,642	240.68
1982	71,073	223.92	7,352	276.93	63,721	217.82
1983	134,934	70.60	2,603	329.24	132,331	65.51
1984	78,630	244.78	2,979	277.61	75,651	243.49
1985	95,765	284.83	2,067	340.59	93,698	283.59
1986	118,473	254.78	2,523	332.94	115,950	253.08
1987:						
1st quarter	36,699	238.92	178	265.54	36,521	238.79
2d quarter	33,095	260.89	325	292.31	32,770	260.54
3d quarter	42,458	227.21	375	261.33	42,083	226.91
4th quarter	40,502	239.47	270	333.33	40,232	238.89
1987 total	152,754	240.57	1,148	286.59	151,606	240.23
1988:						
1st quarter	50,892	256.35	356	252.81	50,536	256.39
2d quarter	68,744	231.09	476	231.09	68,268	231.09
3d quarter	72,136	236.36	515	324.27	71,621	235.73
4th quarter						
1988 total						
			TO JAPAN			
1978	209	631.58	0	--	209	631.58
1979	714	725.49	0	--	714	725.49
1980	2,330	313.30	237	227.85	2,093	322.98
1981	1,409	429.38	292	325.34	1,117	456.58
1982	290	379.31	12	250.00	278	384.89
1983	2,699	384.59	22	227.27	2,677	385.51
1984	410	509.76	0	--	410	509.76
1985	149	557.05	0	--	149	557.05
1986	167	508.98	0	--	167	508.98
1987:						
1st quarter	33	3,060.61	0	--	33	3,060.61
2d quarter	252	535.71	10	900.00	242	520.66
3d quarter	93	559.14	0	--	93	559.14
4th quarter	228	368.42	11	818.18	217	345.62
1987 total	606	613.86	21	809.52	585	606.84
1988:						
1st quarter	318	251.57	12	250.00	306	248.37
2d quarter	967	313.34	0	--	967	313.34
3d quarter	1,809	130.46	14	1,285.71	1,795	121.45
4th quarter						
1988 total						

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

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

Table 47—Volume and average value of softwood lumber exports from Anchorage Customs District by species and destination, 1978-88

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

Year and quarter	Total		Western hemlock		Sttka spruce		Cedar		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
TO ALL COUNTRIES										
1978	237.795	289.24	126,218	252.78	111.435 .	330.44	53	415.09	89	325.84
1979	277,977	372.08	172,005	311.78	103,844	474.45	479	352.82	1,649	221.35
1980	255.373	346.89	158,661	270.00	96.607	473.32	105	200.00	0	--
1981	195.981	305.70	104.974	222.39	91.007	401.79	0	--	0	--
1982	171,966	340.52	75,500	286.24	94.805	381.83	0	--	1,661	450.33
1983	136,660	330.05	70.791	256.23	64,193	414.20	0	--	1,676	223.75
1984	120,360	278.23	75,445	196.74	44,915	415.10	0	--	0	--
1985	87.127	264.94	59.426	219.80	27,701	361.76	0	--	0	--
1986	119,981	274.28	72.894	233.89	43.162	338.75	918	343.14	3,007	306.62
1987	133.144	292.11	80,253	241.19	49.085	374.07	10	300.00	3.796	309.01
1988:										
1st quarter	25,045	350.89	13.032	282.38	11.522	428.66	0	--	491	346.23
2d quarter	54.592	334.33	34.380	289.82	19.318	415.47	0	--	894	291.95
3d quarter	29,154	356.69	17.350	267.84	10,596	503.78	0	--	1.208	342.72
4th quarter										
1988 total										
TO JAPAN										
1978	236.615	289.85	125.355	253.50	111,207	330.77	53	415.09	0	--
1979	273.615	370.35	170,149	311.91	101.408	470.90	435	351.72	1,623	219.96
1980	251,369	345.25	156.654	270.02	94,610	469.96	105	200.00	0	
1981	161.794	313.50	82.753	215.32	79.041	416.30	0	--	0	
1982	155.826	338.04	71.192	282.34	83.966	384.92	0	--	668	383.23
1983	119.662	319.78	64,250	249.14	53.814	407.20	0	--	1.598	215.89
1984	117.425	280.16	72.805	196.57	44,620	416.58	0	--	0	
1985	85,981	265.77	58.280	220.14	27,701	361.76	0	--	0	--
1986	118.942	273.53	72.894	233.89	43.141	338.31	0	--	2.907	306.16
1987	130,678	289.57	79.318	240.94	47.919	369.14	0	--	3.441	302.24
1988:										
1st quarter	24.339	341.30	13.032	282.38	10,956	412.19	0	--	351	319.09
2d quarter	52.859	327.78	33.937	287.41	18,455	402.60	0	--	467	304.07
3d quarter	25.305	345.19	15,793	267.84	9.396	474.35	0	--	116	413.79
4th quarter										
1988 total										
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:										
1st quarter	0	--	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--	0	--
4th quarter										
1988 total										

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

Table 48—Volume and average value of softwood lumber exports to Canada from the Great Falls Customs District, 1978-88[a]

(In thousand board feet)

Year and quarter	Total		Douglas-fir		Western hemlock		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1978	44,441	298.44	12,691	227.64	2,276	292.62	29,474	329.38
1979	61,243	296.26	22,067	263.65	1,632	363.97	37,544	312.46
1980	51,200	250.39	14,030	245.76	1,824	314.69	35,346	248.94
1981	79,210	231.73,	18,196	259.12	1,308	336.39	59,706	221.10
1982	46,508	231.62	8,595	263.76	690	340.58	37,223	222.20
1983	66,943	235.01	12,534	260.17	852	327.46	53,557	227.66
1984	52,655	190.01	7,898	274.75	683	342.61	44,074	172.46
1985	34,277	241.56	8,582	270.10	394	329.95	25,301	230.50
1986	34,429	245.35	8,210	284.90	752	355.05	25,467	229.36
1987:								
1st quarter	8,294	267.30	2,164	278.65	94	382.98	6,036	261.43
2d quarter	8,303	274.24	2,072	362.93	39	358.97	6,192	244.02
3d quarter	8,004	253.87	2,511	303.07	182	384.62	5,311	226.13
4th quarter	6,714	299.67	3,106	311.33	74	351.35	3,534	288.34
1987 total	31,315	272.65	9,853	312.90	389	372.75	21,073	251.98
1988:								
1st quarter	5,901	296.90	2,461	297.44	155	348.39	3,285	294.06
2d quarter	8,783	287.03	3,202	283.89	196	352.04	5,385	286.72
3d quarter	7,145	313.93	2,167	327.64	160	393.75	4,818	305.11
4th quarter								
1988 total								

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

Source: U.S. Department of Commerce.

Table 49—Volume and average value of hardwood lumber exports from Seattle Columbia-Snake, Anchorage, and San Francisco Customs Districts, 1978-88

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

Year and quarter	Seattle Customs District		Columbia-Snake Customs District		Anchorage Customs Distrlct		San Francisco Customs District	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
				TO ALL COUNTRIES				
1978	13.695	445.49	155	838.71	41	317.07	796	1,060.30
1979	17.552	520.45	546	532.97	2.410	372.61	1,098	836.98
1980	19.035	549.41	703	726.88	56	607.14	1,612	695.41
1987	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
7985	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	117.337	416.28
1988:								
1st quarter	29.683	496.24	3,248	521.55	1,950	836.41	2.945	416.64
2d quarter	31.780	474.20	3,985	652.70	2.710	731.00	1.176	555.27
3d quarter	32.341	517.64	4,243	641.53	2.170	773.73	1,249	537.23
4th quarter								
7988 total								
				TO JAPAN				
1978	240	541.67	63	634.92	0	--	501	1,185.63
1979	621	1.043.48	289	290.66	2.246	308.55	713	781.21
1980	1,979	512.89	266	672.93	11	818.18	1,399	680.49
1981	1,773	371.06	1,328	540.66	0	--	2,513	536.01
1982	2,951	611.66	792	723.48	0	--	3.507	525.52
1983	13,721	599.45	2,601	504.42	0	--	3.737	348.68
1984	20.603	685.24	5,092	696.58	0	--	6,813	409.66
1985	20.690	702.32	2.859	668.77	3.322	280.25	5,793	408.42
1986	30,531	667.65	2.810	683.27	111	504.50	3.695	391.88
1987	39,778	595.35	4.173	569.37	361	761.77	12,430	301.69
1988:								
1st quarter	15,690	533.65	1,601	353.53	364	813.19	2.030	379.31
2d quarter	19,383	489.81	1,876	436.57	441	793.65	780	535.90
3d quarter	22,332	540.70	2.489	441.54	401	798.01	756	572.75
4th quarter								
1988 total								
				TO PEOPLE'S REPUBLIC OF CHINA				
1978	0	--	0	--	0	--	0	--
1979	0	--	0	--	0	--	0	--
1980	0	--	0	--	0	--	0	--
1981	0	--	0	--	1,812	250.00	3	2,000.00
1982	0	--	0	--	0	--	0	--
1983	0	--	0	--	0	--	0	--
7984	0	--	0	--	0	--	0	--
1985	0	--	0	--	0	--	0	--
1986	0	--	0	--	0	--	0	--
1987	0	--	8	875.00	0	--	6	333.33
1988:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	127	1.023.62	0	--	0	--	0	--
4th quarter								
1988 total								

Source: U.S. Department of Commerce. The valuation definition used in the export statistics is the value at the seaport or border port of exportation. It is based on the selling price (or cost if not sold) and Includes inland freight, insurance. and other charges to the port of exportation. Data are compiled from Department of Commerce records at the end of each quarter. Seattle Customs Distrlct 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 Distrlct is the State of Alaska. San Francisco Customs District includes Monterey and all ports north of Monterey. California.

Table 50—Volume of lumber exports from British Columbia ports by species and destination, 1977-88

(in thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
			TO **ALL COUNTRIES**				
1977	5,860,807	683,614	2,364,028	533,267	2,269,876	8,796	1,226
1978	5,876,119	679,566	2,492,764	570,796	2,116,258	15,674	1,061
1979	5,755,532	679,694	2,313,186	646,701	1,983,829	129,161	2,961
1980	5,160,800	498,425	2,098,672	988,347	1,872,234	99,624	3,498
1981	4,421,519	420,466	1,805,988	604,608	1,495,892	93,086	1,479
1982	4,242,899	339,932	1,803,999	635,865	208,218	1,244,341	10,544
1983	4,797,419	338,866	2,138,634	707,342	193,775	a 1,413,690	5,112
1984	5,822,714	469,278	2,280,805	1,113,568	181,699	1,760,231	17,133
1985	5,856,709	606,452	2,166,417	863,294	217,340	2,000,301	2,905
1986	5,718,134	506,289	2,062,006	862,049	163,672	2,121,451	2,667
1987	7,431,323	669,643	2,745,288	925,916	221,803	3,133,596	5,077
1988:							
1st quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2d quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
3d quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
4th quarter							
1988 total							
			TO **JAPAN**				
1977	705,823	18,530	530,567	90,447	65,943	85	251
1978	779,135	23,799	545,983	116,368	92,940	0	45
1979	1,014,481	44,021	677,425	158,121	133,358	546	1,010
1980	1,084,426	55,800	701,579	136,130	185,379	4,158	1,380
1981	867,636	34,239	577,901	129,256	125,324	717	199
1982	1,048,371	44,391	713,625	119,900	66,709	103,607	139
1983	898,952	33,562	558,412	125,101	62,194	119,565	118
1984	922,658	37,181	567,616	125,112	71,628	119,438	1,683
1985	995,661	56,977	579,064	128,550	86,587	143,891	592
1986	919,224	56,070	492,636	141,210	94,484	133,816	1,008
1987	1,333,078	112,615	731,908	122,113	113,364	250,898	2,180
1988:							
1st quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2d quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
3d quarter	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
4th quarter							
1988 total							

Table 50—Volume of lumber exports from British Columbia ports by species and destination, 1977-88 (continued)

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
			TO **UNITED STATES**[b]				
1977	4,107,653	529,808	1,340,920	333,604	1,894,371	7,988	962
1978	4,078,666	501,841	1,443,548	365,062	1,751,741	15,496	978
1979	3,528,648	462,658	1,125,807	382,991	1,429,014	126,536	1,642
1980	2,590,889	283,482	775,428	355,821	1,079,387	94,683	2,088
1981	2,337,958	228,856	803,019	394,800	813,733	96,305	1,245
1982	2,017,725	157,776	637,513	430,634	111,314	679,412	1,076
1983	2,595,702	187,818	981,755	396,363	121,695	906,034	2,037
1984	3,227,897	253,215	1,120,076	591,324	98,306	1,160,479	4,497
1985	3,956,609	352,433	1,182,889	668,897	126,979	1,623,348	2,063
1986	3,825,528	299,617	1,160,014	650,072	63,164	1,651,033	1,628
1987	4,680,711	340,153	1,162,424	711,127	96,371	2,368,393	2,243
1988:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							
			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	370	*0*
1987	31,896	39	31,774	*60*	0	0	23
1988:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							

NA = not available.

[a] Incomplete; does not indude all "Other softwoods" or 'Hardwoods.'

[b] Figures do not include shipments of railroad crossties.

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

Table 51—Average value of lumber exports from British Columbia ports by species and destination, 1985-88

(In dollars per thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
			TO ALL COUNTRIES				
1985	315.34	354.05	308.99	468.29	369.93	237.99	694.77
1986	351.94	384.09	339.18	548.29	512.78	264.39	421.09
1987	384.55	426.51	399.03	641.44	592.85	272.97	709.72
1988:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							
			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:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							
			TO UNITED STATES[a]				
1985	281.33	287.22	290.3 6	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:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							
			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:							
1st quarter	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA
4th quarter							
1988 total							

NA = not available.

[a] Figures do not include shipments of railroad crossties.

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

Table 52--Volume of plywood exports from Seattle and Columbia-Snake Customs Districts by destination, 1978-88

(In 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
TO ALL COUNTRIES						
1978	242.105	12.160	23,284	8.871	218,821	3.289
1979	330,018	9,962	27.132	9,644	302.886	318
1980	279,003	9,718	20.747	8,806	258,256	912
1987	327,967	18,645	65.729	17.333	262,238	1,312
1982	221,609	9.435	36,268	9,346	185.341	89
1983	322,386	16.541	38,008	16.320	284.378	221
1984	156,715	9,140	23.663	9,126	133,052	284
1985	94,676	9.874	15,691	9.203	78,985	671
1986	204.236	12,622	26.381	12,275	177,855	347
1987:						
1st quarter	80.282	3.341	12.642	3,267	67,640	74
2d quarter	55,866	2.904	6.693	2.809	49,173	95
3d quarter	30.392	1,797	5,207	1.689	25,185	108
4th quarter	77,100	2,509	11,661	2,509	65,439	0
1987 total	243,640	10,551	36,203	10,274	204.437	277
1988:						
1st quarter	87.980	6.237	15,585	6,066	66.395	171
2d quarter	57.279	5,985	11.808	5.632	45,471	353
3d quarter	70,460	4.678	9,422	3.793	61.038	885
4th quarter						
1988 total						
TO JAPAN						
1978	2,821	18	167	18	2.654	0
1979	6,040	108	931	108	5,109	0
7980	8,301	978	4,158	978	4,143	0
1981	5,056	13	2,162	12	2.894	1
1982	6,720	19	3,152	19	3,568	0
1983	5,680	16	3,973	0	1,707	16
1984	6,429	0	2,054	0	4,375	0
1985	6,050	755	1,310	84	4,740	671
1986	7,644	39	1,277	39	6,367	0
1987:						
1st quarter	3.192	88	764	30	2,428	58
2d quarter	2.167	77	674	0	1,493	77
3d quarter	2.725	139	190	31	2.535	108
4th quarter	3,215	96	1,042	96	2,173	0
1987 total	11.299	400	2,670	157	8,629	243
1988:						
1st quarter	2,659	651	1,056	480	1,603.	171
2d quarter	5,093	353	2.742	0	2.351	353
3d quarter	2,680	831	1.174	268	1,506	563
4th quarter						
1988 total						
TO WESTERN EUROPE						
1978	193.988	1,722	5,227	173	188.761	1,549
1979	295,782	88	10,089	76	285,693	12
1980	246.652	119	5,940	119	240,712	0
1981	249,543	677	12,163	0	237,380	677
1982	170.695	79	11,805	0	158,890	79
1983	286,229	145	13,625	145	272,604	0
1984	125,645	236	8,651	236	116,994	0
1985	73.724	65	5,497	65	68,227	0
1986	174,439	304	9.305	304	165,134	0
1987:						
1st quarter	70,194	346	6.683	346	63.51 1	0
2d quarter	48,928	0	2.584	0	46.344	0
3d quarter	22,232	0	764	0	21,468	0
4th quarter	66,457	0	5.449	0	61.008	0
1987 total	207,811	346	15,480	346	192.331	0
1988:						
1st quarter	64,199	0	6.123	0	58,076	0
2d quarter	43.198	352	2,579	352	40,617	0
3d quarter	56,457	204	3,324	204	53,133	0
4th quarter						
1988 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 53--Volume of plywood exports from California, 1977-88[a]

(In thousand square feet)

Year and quarter	Total	Northern California		Southern California	
		Softwood, 3/8-inch basis	Hardwood, surface measure	Softwood, 3/8-inch basis	Hardwood, surface measure
1977	9,198	5,148	646	1,818	1,586
1978	6,036	2,833	899	964	1,340
1979	5,934	1,638	871	1,946	1,479
1980	9,054	1,414	849	3,546	3,245
1981	9,349	2,424	487	2,830	3,608
1982	7,464	3,026	1,364	1,557	1,517
1983	8,128	3,442	974	1,330	2,382
1984	9,405	2,608	513	1,629	4,655
1985	15,478	6,239	325	1,720	7,194
1986	27,563	4,231	548	10,977	11,807
1987:					
1st quarter	5,135	1,011	4	1,838	2,282
2d quarter	5,739	455	82	1,922	3,280
3d quarter	5,723	284	30	1,401	4,008
4th quarter	7,499	903	159	2,427	4,010
1987 total	24,096	2,653	275	7,588	13,580
1988:					
1st quarter	8,643	1,007	173	3,127	4,336
2d quarter	8,015	1,472	107	2,534	3,902
3d quarter	12,457	1,428	20	5,012	5,997
4th quarter					
1988 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. 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.

Table 54—Volume of veneer exports from Seattle and Columbia-Snake Customs Districts by destination, 1978-88

(In 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
TO ALL COUNTRIES						
1978	112,287	15,251	112,150	15,159	137	92
1979	101,900	11,959	99,315	10.918	2,585	1,041
1980	97.271	10.197	96,517	9.901	754	296
1981	789,980	11,814	185.648	11.790	4,332	24
1982	231,303	19,514	148.876	5,870	82,427	13,644
1983	292,795	14.263	160.267	13.826	132,528	437
1984	266.106	37.273	127,697	31,771	138,409	5.502
1985	221,547	38.168	153,095	35,856	68,452	2.312
1986	333.798	64,079	271.342	61.133	62,456	2.946
1987:						
1st quarter	107.264	23,006	88.084	22,065	19,180	941
2d quarter	51.317	21,094	43.736	18,876	7,581	2,218
3d quarter	58,392	13,156	50,400	12.303	7,992	853
4th quarter	73.830	23,732	57,492	18,907	16,338	4.825
1987 total	290.803	80,988	239,712	72.151	51,091	8.837
1988:						
1st quarter	58.083	50,621	44,745	42.415	13,338	8,206
2d quarter	51,602	52,470	38,166	48,135	13,436	4,335
3d quarter	26,144	40,142	21,645	34.934	4.499	5.208
4th quarter						
1988 total						
TO JAPAN						
1978	34	846	0	846	34	0
1979	2,625	2,171	1,528	1,130	1,097	1,041
1980	5,120	1,367	4.938	1,367	182	0
1981	978	821	0	821	978	0
1982	82,282	12,700	1,487	37	80,795	12.663
1983	105,068	2,640	5,311	2,498	99,757	142
1984	110,954	1,579	0	1,579	110,954	0
1985	56,238	3.242	268	949	55,970	2.293
1986	94,390	10.024	51.781	8,001	42,609	2.023
1987:						
1st quarter	22.114	7,566	8,477	6,625	13,637	941
2d quarter	9,449	1.221	4.804	691	4.645	530
3d quarter	14.136	1,088	6,905	235	7,231	853
4th quarter	15,462	14,425	206	9,600	15.256	4,825
1987 total	61.161	24,300	20.392	17.151	40,769	7.149
1988:						
1st quarter	9,392	28,912	1,066	20,706	8,326	8,206
2d quarter	10,426	31,135	1,984	26,800	8,442	4,335
3d quarter	8,401	12,454	8,274	7,600	127	4,854
4th quarter						
1988 total						
TO WESTERN EUROPE						
1978	49	0	33	0	16	0
1979	1,417	0	617	0	800	0
1980	3.859	0	3,415	0	444	0
1981	480	0	480	0	0	0
1982	14	34	14	6	0	26
1983	38,570	0	7,567	0	31,003	0
1984	30.122	5.138	2,790	0	27.332	5,138
1985	13.093	432	682	432	12,411	0
1986	22,313	1.953	3.287	1,953	19,026	0
1987:						
1st quarter	5.546	0	141	0	5.405	0
2d quarter	2.474	1688	0	0	2,474	1.688
3d quarter	914	0	153	0	761	0
4th quarter	1.082	0	0	0	1,082	0
1987 total	10.016	1.688	294	0	9.722	1.688
1988:						
1st quarter	3.411	0	153	0	3,258	0
2d quarter	468	482	372	482	96	0
3d quarter	2,280	354	0	0	2,280	354
4th quarter						
1988 total						

Source: U.S. Department of Commerce. 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 plus Longvlew and Vancouver, Washington. Data are compiled from Department of Commerce records at the end of each quarter.

Table 55--Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1983-88

(In thousand board feet, Scribner scale)

Agency	1983	1984	1985	1986	1987 Total	1987 3d qtr.	1988 1st qtr.	1988 2d qtr.	1988 3d qtr.	1988 4th qtr.	1988 Total
Montana:											
USDA Forest Service a	589,875	457,599	552,665	496,622	502,115	211,327	80,763	89,244	193,602		
U.S. Bur. Land Manage. b	16,375	4,647	7,940	10,259	7,696	5,491	0	0	6,033		
US. Bur. Indian Affairs	13,136	23,891	19,671	22,172	28,480	5,370	10,513	14,751	9,440		
State of Montana	23,553	22,095	23,280	26,083	55,614	15,326	13,587	9,654	7,187		
Total	642,939	508,232	603,556	555,136	593,905	237,514	104,863	113,649	216,262		
Idaho:											
USDA Forest Service a	686,650	674,122	704,023	649,631	654,748	239,616	152,501	278,965	259,278		
U.S. Bur. Land Manage. b	12,133	2,302	10,990	21,645	16,374	3,333	255	4,276	2,898		
U.S. Bur. Indian Affairs	8,605	6,850	4,994	784	4,214	0	2,718	0	0		
State of Idaho	82,674	181,552	127,863	191,842	215,265	59,500	30,889	140,510	180,484		
Total	790,062	864,826	847,870	863,902	890,601	302,449	186,363	423,751	442,660		
All public lands:											
USDA Forest Service a	1,276,525	1,131,721	1,256,688	1,146,253	1,156,863	450,943	233,264	368,209	452,880		
US. Bur. Land Manage. b	28,508	6,949	19,399	31,904	24,070	8,824	255	4,276	8,931		
U.S. Bur. Indian Affairs	21,741	30,741	24,665	22,956	32,694	5,370	13,231	14,751	9,440		
State of Montana	23,553	22,095	23,280	26,083	55,614	15,326	13,587	9,654	7,187		
State of Idaho	82,674	181,552	127,863	191,842	215,265	59,500	30,889	140,510	180,484		
Total	1,433,001	1,373,058	1,451,895	1,419,038	1,484,506	539,963	291,226	537,400	658,922		

a Convertible products only.

b Does not include cull log sales.

Source: Respective agencies listed.

Table 56—Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1983-88

(In dollars per thousand board feet)

Agency	1983	1984	1985	1986	1987 Average	1987 3d qtr.	1988 1st qtr.	1988 2d qtr.	1988 3d qtr.	1988 4th qtr.	1988 Average
Montana:											
USDA Forest Service a	33.97	27.12	23.30	22.16	35.71	36.93	40.74	59.51	45.90		
U.S. Bur. Land Manage. b	22.78	27.46	16.71	34.67	38.62	35.61	--	--	55.81		
U.S. Bur. Indian Affairs	51.13	34.08	41.39	63.63	78.91	41.02	111.46	73.53	31.59		
State of Montana	83.70	72.37	79.34	64.85	65.09	56.12	78.18	67.99	57.50		
Average	35.86	29.42	25.97	26.05	40.57	38.23	52.68	62.05	45.94		
Idaho:											
USDA Forest Service a	47.13	46.45	23.74	33.31	46.26	57.37	73.27	70.66	37.40		
U.S. Bur. Land Manage. b	75.56	96.26	40.25	24.70	33.56	41.81	39.79	105.60	49.75		
U.S. Bur. Indian Affairs	78.71	82.36	55.09	94.71	79.58	--	31.71	--	--		
State of Idaho	71.04	63.18	61.31	56.26	68.93	84.12	144.09	77.17	38.85		
Average	50.41	50.38	29.80	38.25	51.66	62.46	84.36	73.17	38.07		
All public lands:											
USDA Forest Service a	41.05	38.63	23.56	28.48	41.68	47.79	62.01	67.96	41.04		
U.S. Bur. Land Manage. b	45.24	50.25	30.07	27.91	35.18	37.95	39.79	105.60	53.84		
U.S. Bur. Indian Affairs	62.04	44.84	44.16	64.70	79.00	41.02	95.08	73.53	31.59		
State of Montana	83.70	72.37	79.34	64.85	65.09	56.12	78.18	67.99	57.50		
State of Idaho	71.04	63.18	61.31	56.26	68.93	84.12	144.09	77.17	38.85		
Average	43.88	42.62	28.21	33.48	47.23	51.80	72.95	70.82	40.66		

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

b Does not include cull log prices.

Source: Respective agencies listed.

a,

Table 57--Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1977-88[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
1977	**41.50**	**96.60**	**122.70**	**38.30**	**61.40**	**11.90**	**72.00**	**72.20**	**20.20**	**53.20**
1978	**41.20**	**113.50**	**146.00**	**44.70**	**85.80**	**42.50**	**144.90**	**69.60**	**37.30**	**64.80**
1979	**51.90**	**127.20**	**185.60**	**34.40**	**75.90**	**62.10**	**117.20**	**91.40**	**43.90**	**70.90**
1980	**20.50**	**112.70**	**80.10**	**42.70**	**44.10**	**171.80**	**123.20**	**73.80**	**30.10**	**53.40**
1981	**44.20**	**74.20**	**149.70**	**54.50**	**63.00**	**61.40**	**95.60**	**67.20**	**78.40**	**63.90**
1982	**26.60**	**48.10**	**81.40**	**34.60**	**27.20**	**71.10**	**60.90**	**28.30**	**37.70**	**36.20**
1983	**42.50**	**60.50**	**96.30**	**34.10**	**55.20**	**47.50**	**142.80**	**51.00**	**65.10**	**53.70**
1984	**46.90**	**66.50**	**104.90**	**37.30**	**39.00**	**44.50**	**106.70**	**49.50**	**45.00**	**49.20**
1985	**34.10**	**58.70**	**108.30**	**28.40**	**37.70**	**35.70**	**91.50**	**35.00**	**32.70**	**37.80**
1986	**35.10**	**64.30**	**119.20**	**35.90**	**37.60**	**34.60**	**73.10**	**32.90**	**32.10**	**37.40**
1987	**46.60**	**127.80**	**115.50**	**46.20**	**57.20**	**71.10**	**133.40**	**45.10**	**42.90**	**54.90**
1988:										
1st quarter	**54.70**	**84.60**	**107.10**	**44.90**	**40.80**	**48.00**	**119.90**	**53.10**	**50.90**	**54.00**
2d quarter	**64.50**	**128.20**	**100.00**	**59.30**	**78.80**	**98.70**	**84.40**	**73.80**	**79.70**	**76.70**
3d quarter	**54.80**	**85.60**	**64.30**	**52.60**	**64.40**	**79.00**	**93.40**	**67.70**	**52.60**	**59.50**
4th quarter										
1988 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 58--Volume and average value of timber harvested on the National Forests of the Northern Region, 1988

(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.	9.2	12.31	2.9	106.85	15.0	40.68	0.6	7.49	8.7	26.11
2d qtr.	.6	7.48	8.1	94.09	9.9	48.55	b	20.00	3.9	42.37
3d qtr.	5.5	19.99	7.9	39.83	38.5	36.77	.9	11.43	9.3	45.59
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.	28.3	57.16	3.0	11.67	3.0	46.42	40.4	42.66	3.1	31.58
2d qtr.	12.6	55.32	3.1	25.18	.8	51.9	35.5	35.76	1.4	19.60
3d qtr.	32.7	73.76	5.2	13.15	3.0	18.66	85.9	33.79	3.4	13.90
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.	10.6	38.60	7.5	46.61	43.3	57.39	64.6	51.48	117.9	42.65
2d qtr.	14.9	24.38	12.9	41.63	54.1	73.92	76.0	62.80	81.8	41.27
3d qtr.	17.5	36.65	27.8	19.81	72.6	62.52	137.8	47.13	171.2	40.79
4th qtr.										
Total										

	Northeastern Washington		All Forests	
	Volume	Average value	Volume	Average value
1st qtr.	1.3	96.98	183.7	46.13
2d qtr.	.9	263.90	158.7	52.88
3d qtr.	1.1	5.43	310.1	43.49
4th qtr.				
Total				

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

[b] Only 1,000 board feet.

Source: Forest Service, U.S. Department of Agricutture. Northern Reglon Includes northern Idaho and Montana and a small portion of northeastern Washington.

Table 59—Volume of timber sold on publicly owned or managed lands in California, 1983-88

(In thousand board feet, Scribner scale)

Agency	1983	1984	1985	1986	1987		1988				
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
USDA Forest Service a	1,786,681	1,490,204	1,608,346	1,472,112	1,627,653	411,678	408,609	571,868	755,495		
U.S. Bur. Land Manage. b	8,919	13,140	16,616	20,398	19,685	10,452	3,563	2,644	5,194		
U.S. Bur. Indian Affairs	3,000	3,634	4,342	81,529	10,036	0	0	0	0		
State of California	31,452	33,529	27,232	31,316	40,300	1,336	11,022	14,771	8,134		
Total	1,830,052	1,540,507	1,656,536	1,605,355	1,697,674	423,466	423,394	589,283	768,823		

a Convertible products only. Includes all of the Pacific Southwest Region and the portion of the Pacific Northwest Region in California.

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

Source: Respective agencies listed.

Table 60—Average stumpage prices of timber sold on publicly owned or managed lands in California, 1983-88

(In dollars per thousand board feet)

Agency	1983	1984	1985	1986	1987		1988				
					Average	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
USDA Forest Service a b	70.66	61.08	56.35	71.84	110.02	102.55	124.20	118.34	103.39		
U.S. Bur. Land Manage. c	78.47	63.21	48.16	61.75	106.09	108.57	213.04	81.48	172.24		
U.S. Bur. Indian Affairs	110.00	48.24	89.98	85.13	84.66		--	--	-		
State of California	188.59	174.30	131.16	103.69	123.06	117.76	112.01	166.98	151.75		
Average	72.79	63.53	57.58	73.01	110.14	102.75	124.63	119.39	104.37		

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

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

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

Source: Respective agencies listed,

Table 61—Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1977-88[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
1977	124.30	131.40	168.50.	165.20	337.90	50.60	121.10
1978	131.10	164.70	169.20	136.20	516.40	79.80	148.10
1979	186.60	239.00	375.40	25.40	497.10	96.00	206.20
1980	189.50	206.10	671.40	252.80	559.90	133.40	252.20
1981	146.70	196.20	224.10	123.60	108.20	90.30	156.10
1982	50.00	66.90	72.00	27.80	70.30	36.30	54.50
1983	63.30	104.00	136.70	28.80	84.60	53.80	76.90
1984	61.30	122.70	84.30	17.00	76.70	48.30	75.20
1985	63.00	101.40	109.70	17.90	112.90	33.60	69.80
1986	66.49	125.62	134.43	10.82	132.69	46.08	87.23
1987:							
1st quarter	84.48	198.07	189.08	22.93	217.64	69.97	119.61
2d quarter	85.74	238.47	350.77	7.94	135.35	38.91	136.95
3d quarter	81.44	208.93	330.74	12.57	68.03	44.04	118.51
4th quarter	61.20	180.05	229.61	22.97	100.27	40.98	118.60
1987 average	81.15	209.31	287.63	11.40	138.66	49.90	124.89
1988:							
1st quarter	81.11	185.22	279.02	38.08	97.31	56.23	133.06
2d quarter	123.75	157.15	286.82	43.17	158.03	69.44	137.94
3d quarter	85.38	171.30	239.38	30.44	126.92'	63.36	123.00
4th quarter							
1988 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 salearea 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 is the State of California.

Table 62—Volume and average value of timber harvested on the National Forests of the Pacific Southwest Region, 1988

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

Quarter	Angeles		Cleveland		Eldorado		Inyo		Klamath	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	0.1	23.40	0.2	41.36	6.0	54.56	6.9	164.77	34.1	61.70
2d qtr.	.1	30.97	.1	38.01	43.0	96.67	1.0	35.61	55.2	46.76
3d qtr.	.1	18.28	.2	35.39	61.0	99.23	2.8	16.32	97.9	69.33
4th qtr.										
Total										

Quarter	Lassen		Los Padres		Mendocino		Modoc		Plumas	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	14.8	99.95	.1	17.52	13.1	67.39	10.8	171.97	7.3	94.69
2d qtr.	38.7	190.21	.1	14.93	31.2	116.10	10.6	207.38	62.6	137.68
3d qtr.	54.0	172.46	.1	43.43	62.7	114.16	24.8	180.42	97.3	132.90
4th qtr.										
Total										

Quarter	San Bernardino		Sequoia		Shasta		Sierra		Six Rivers	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	.9	28.63	7.4	25.72	14.9	98.80	3.1	12.65	23.0	66.62
2d qtr.	.7	22.90	20.2	49.08	28.4	116.64	34.5	108.96	38.3	78.05
3d qtr.	1.4	34.40	25.6	46.22	30.5	117.86	72.8	75.68	92.5	117.64
4th qtr.										
Total										

Quarter	Stanislaus		Tahoe		Trinity		All Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	7.9	87.66	46.0	78.01	28.6	96.94	225.2	83.49
2d qtr.	66.0	92.14	65.3	93.83	53.3	106.66	549.4	104.74
3d qtr.	97.2	98.77	77.1	99.45	73.9	110.88	875.4	106.92
4th qtr.								
Total								

Source: Forest Service, U.S. Department of Agriculture. Pacific Southwest Region is the State of California.

Table 63--Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1984-88

(In thousand board feet, Scribner scale)

Agency	1984	1985	1986	1987 Total	1988 3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
Western Washington:										
USDA Forest Service a	996.173	699,004	1,136,822	870.743	227.777	153.663	356.543	244,172		
U.S. Bur. Land Manage.	0	60	4.952	9	0	0	0	0		
U.S. Bur. Indian Aff.	19.587	25.739	26.421	43,459	19,667	0	20,777	20.814		
State of Washington b	448,105	768,035	731,001	733,225	134,555	181.715	221.755	129.420		
Total	1,463,865	1.492.838	1,899,196	1,647,436	381,999	335,378	599,075	394,406		
Eastern Washington:										
USDA Forest Service a	350,177	344,653	482,848	379.394	114,561	112.342	121,795	137.686		
U.S. Bur. Land Manage.	2,185	4,016	386	0	0	0	0	3.055		
U.S. Bur. Indian Aff.	106,603	227,939	92,765	238,327	27,385	0	28.288	29.209		
State of Washington b	60.305	98.235	‘114,790	98,955	25.950	22.165	50,830	20.190		
Total	519.270	674.843	690,789	720,320	167.896	134.507	200.913	190,140		
Western Oregon:										
USDA Forest Service a	2,271.941	2,123,325	2,613,915	2,414,761	566,752	573,320	801,164’	611.925		
U.S. Bur. Land Manage.	1.042.117	974.921	1.474.511	1.108.209	328,330	261.519	133,000	351.217		
U.S. Bur. Indian Aff.	3.212	7,951	6.158	1,950	1,950	5.289	0	8.985		
State of Oregon	208,797	198.017	190,502	221,429	39,766	11,777	69,907	82,352		
Total	3,526,067	3,304,217	4,285.086	3,746,349	936,798	851,905	1,004,071	1,054,479		
Eastern Oregon:										
USDA Forest Service a	1,279,703	1,099.194	1.543.732	1,283.955	303.152	360,452	360.361	295.570		
U.S. Bur. Land Manage.	14.078	21,627	9.519	7,027	98	0	300	10,033		
U.S. Bur. Indian Aff.	73,180	93,700	73.048	82,418	550	60.649	12.580	0		
State of Oregon	6,713	243	8.335	6,179	6,179	0	2.411	0		
Total	1,373,674	1,214,764	1,634,634	1,379,579	309.979	421,101	375,652	305,603		
All public lands:										
USDA Forest Service a	4.897.994	4.266.176	5.777.317	4,948,853	1.212.242	1,199,777	1,639.863	1,289,353		
U.S. Bur. Land Manage.	1,058,380	1,000,624	1,489.368	1,118,889	328.428	261,519	133,300	364,305		
U.S. Bur. Indian Aff.	202,582	355.329	198,392	366.154	49.552	65.938	61.645	59,008		
State of Washington b	508,410	866,270	845,791	832,180	160.505	203.880	272,585	149.610		
State of Oregon	215,510	198,260	198,837	227.608	45.945	11,777	72.318	82.352		
Total	6.882.876	6.686.659	8,509.705	7,493,684	1.796.672	1.742.891	2,179,711	1,944,628		

a Convertible products only.

b Excludes sales under 320.000.

Source: Respective agencies listed.

Table 64—Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1984-88

(in dollars per thousand board feet)

Agency	1984	1985	1986	1987 Average	1987 3d qtr.	1988 1st qtr.	1988 2d qtr.	1988 3d qtr.	1988 4th qtr.	1988 Average
Western Washington:										
USDA Forest Service a	61.92	62.47	91.06	114.82	130.35	159.31	170.82	167.11		
U.S. Bur. Land Manage.	--	95.00	61.64	44.00	--	--	--	--		
U.S. Bur. Indian Aff.	69.87	54.85	67.32	86.23	129.71	-	122.93	186.06		
State of Washington b	118.70	111.38	133.44	224.64	296.40	277.10	264.50	258.51		
Average	79.41	87.50	106.96	162.94	188.80	223.13	203.84	198.10		
Eastern Washington:										
USDA Forest Service a	29.86	28.40	33.49	48.69	37.65	95.96	71.32	87.01		
U.S. Bur. Land Manage.	28.49	31.54	41.98	61.48	--	--	-	50.15		
U.S. Bur. Indian Aff.	157.14	151.94	128.39	149.60	165.51	--	136.29	131.22		
State of Washington b	110.78	71.27	107.87	131.09	127.27	159.94	225.28	123.30		
Average	65.26	76.54	58.60	93.46	72.36	106.50	119.42	97.07		
Western Oregon:										
USDA Forest Service a	96.70	81.91	116.53	140.81	140.98	180.60	200.99	188.62		
U.S. Bur. Land Manage.	101.19	82.32	95.12	118.46	116.87	139.48	133.98	169.01		
U.S. Bur. Indian Aff.	126.56	156.29	161.02	199.17	199.17	187.56	-	208.70		
State of Oregon	129.92	133.07	134.35	183.98	186.96	240.24	240.76	247.91		
Average	100.02	85.28	110.02	136.78	134.60	168.84	194.88	186.89		
Eastern Oregon:										
USDA Forest Service a	73.61	83.68	104.36	138.45	140.99	178.18	140.05	130.06		
U.S. Bur. Land Manage.	39.17	32.48	42.17	192.94	11.37	-	20.33	65.22		
U.S. Bur. Indian Aff.	109.02	86.41	103.48	133.65	186.92	147.67	231.43	--		
State of Oregon	120.29	92.93	59.88	187.33	187.33	-	158.58	--		
Average	75.37	82.98	103.73	138.66	141.96	173.79	143.14	127.93		
All public lands:										
USDA Forest Service a	78.80	74.88	101.33	128.56	129.22	169.22	171.41	160.27		
U.S. Bur. Land Manage.	100.21	81.03	94.66	118.74	116.84	139.48	133.73	165.16		
U.S. Bur. Indian Aff.	130.83	127.73	112.10	138.75	152.86	150.87	151.21	162.36		
State of Washington b	117.76	106.83	129.97	213.51	269.05	264.36	257.19	240.26		
State of Oregon	129.62	149.48	131.23	184.07	187.01	240.24	238.02	247.91		
Average	88.09	84.96	103.96	138.71	141.58	175.67	181.47	171.12		

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

Table 65--Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1977-88[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												
1977	225.90	71.20	138.40	162.80	142.70	35.40	36.50	103.00	89.20	149.60	62.10	128.90	85.10	153.80
1978	250.31	98.50	218.70	207.90	123.70	41.60	85.40	109.50	111.70	206.60	56.40	122.50	99.10	185.00
1979	394.30	81.70	238.00	267.30	181.90	47.10	51.60	227.90	197.10	329.10	90.50	211.30	189.80	270.00
1980	432.20	70.80	190.80	167.00	102.80	44.60	34.20	306.50	208.00	301.00	43.60	241.80	167.90	285.50
1981	350.20	94.00	206.40	174.50	100.60	36.60	15.00	238.00	162.00	168.70	69.70	147.30	103.80	230.60
1982	118.20	5.80	78.60	83.60	50.00	17.40	19.50	49.50	44.60	101.90	37.50	28.40	40.00	80.20
1983	161.60	37.60	134.30	131.80	74.30	20.20	28.70	30.00	61.90	88.70	31.80	42.40	58.30	112.50
1984	132.90	43.00	143.70	201.80	93.20	21.20	21.00	52.10	61.20	186.60	42.50	92.60	43.50	94.60
1985	126.20	32.20	166.00	192.60	109.30	14.20	18.40	77.70	50.00	123.70	50.60	57.60	41.20	101.40
1986	160.70	34.10	196.30	199.10	116.70	9.40	38.10	93.90	74.10	156.30	48.50	84.30	47.70	127.90
1987:														
1st quarter	181.10	46.30	253.80	250.10	192.10	24.50	23.90	81.80	81.30	120.60	47.50	102.60	56.90	153.00
2d quarter	178.20	52.30	260.50	280.00	221.20	14.70	28.20	86.70	93.80	180.60	52.20	82.30	55.50	150.10
3d quarter	194.50	41.20	273.20	323.20	237.10	12.30	23.00	63.90	116.10	350.90	36.60	143.90	76.90	166.20
4th quarter	227.60	43.30	286.50	346.70	272.70	22.10	12.80	81.10	141.10	141.80	39.20	77.00	73.40	190.80
1987 average	190.20	46.00	267.10	300.60	220.10	18.00	24.00	81.20	103.70	192.40	46.30	101.90	63.70	161.50
1988:														
1st quarter	253.10	93.60	321.10	290.10	251.40	31.60	78.40	65.90	144.20	158.60	85.60	116.90	73.80	203.30
2d quarter	266.00	73.00	295.40	250.10	219.60	22.40	57.90	74.00	173.80	198.50	70.00	101.70	107.40	210.20
3d quarter	232.67	82.91	269.52	187.86	234.34	35.06	30.37	53.82	155.95	461.11	85.83	194.23	87.09	195.95
4th quarter														
1988 average														

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

[b] Includes Port-Orford-cedar,

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

Table 66--Volume and average value of timber harvested on the National Forests of the Pacific Northwest Region, 1988

(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.	34.2	65.79	48.5	181.53	23.5	127.27	87.5	159.42	66.8	161.46
2d qtr.	18.7	63.79	51.6	140.05	21.1	155.84	150.9	150.95	31.5	136.73
3d qtr.	31.6	48.84	25.7	85.52	50.0	143.47	167.9	149.25	57.3	171.96
4th qtr.										
Total										

Quarter	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.	34.7	136.22	47.1	155.56	37.1	218.82	28.0	69.05	60.1	105.37
2d qtr.	78.1	124.31	124.8	150.15	10.2	222.49	30.8	58.06	74.3	683.06
3d qtr.	75.5	129.62	128.1	147.73	26.7	211.00	31.9	60.57	70.6	121.88
4th qtr.										
Total										

Quarter	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.	54.3	167.32	65.1	162.78	128.4	164.20	26.1	78.61	77.5	141.07
2d qtr.	59.5	146.37	71.9	147.38	103.6	173.31	17.1	78.72	112.0	137.94
3d qtr.	68.3	150.92	40.5	136.67	89.3	212.39	47.9	70.14	128.7	143.97
4th qtr.										
Total										

Quarter	Wallowa-whit man		Wenatchee		WIllamette		Winema		Western Oregon	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	43.7	55.59	28.5	82.90	214.8	157.00	81.3	191.30	585.7	159.53
2d qtr.	36.2	59.88	47.8	70.53	272.9	160.86	61.5	165.81	740.5	155.25
3d qtr.	50.9	50.73	41.1	107.38	219.1	159.61	33.4	170.35	671.7	159.25
4th qtr.										
Total										

Quarter	Eastern Oregon		Western Washington		Eastern Washington		Northern Californla		All, Forests	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
1st qtr.	327.1	155.17	182.3	137.19	91.1	71.90	1.5	19.74	1.187.6	148.00
2d qtr.	229.1	134.37	303.3	274.41	98.5	65.19	4.1	90.18	1.375.5	171.41
3d qtr.	292.0	125.00	314.0	138.38	108.1	74.30	2.3	116.99	1,388.1	140.64
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 67—Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1988[a b]

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

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs[c]		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Western Oregon:												
Mount Hood—												
1st quarter	49.176	256.80	9,450	88.92	1,530	225.09	13.260	100.85	5,120	47.49	105.126	176.64
2d quarter	62.020	289.39	3,200	34.24	600	44.24	25.530	192.95	6.510	115.04	128.290	191.68
3d quarter	39,040	259.54	2.800	46.79	500	94.87	21.840	168.26	5.639	43.11	80,664	178.02
4th quarter												
Total and average												
Rogue River—												
1st quarter	27,740	239.45	0	--	30	272.63	0	--	12.180	77.98	49.410	191.46
2d quarter	22.085	211.47	0	--	690	167.67	0	--	11.790	87.60	38.755	173.41
3d quarter	32.400	218.64	0	--	2.725	220.51	0	--	11,055	58.75	54.115	196.01
4th quarter												
Total and average												
Siskiyou--												
1st quarter	14,893	278.95	0		800	104.99	180	39.16	0		17,468	265.21
2d quarter	42.900	289.28	0		3,340	36.40	240	14.52	0		53,270	252.61
3d quarter	131.040	114.44	0		0		,656	23.36	0	--	147,883	165.68
4th quarter												
Total and average												
Siuslaw--												
1st quarter	76.935	263.39	0	--	0	--	4,543	113.04	0	--	89.927	235.18
2d quarter	118.087	278.55	0	--	0		13.303	124.59		--	139.857	250.17
3d quarter	74,058	255.67	0	--	0		7,890	115.73	0	--	87.104	230.76
4th quarter												
Total and average												
Umpqua--												
1st quarter	87.140	195.43	0		900	238.96	1,800	40.37	8,000	43.42	120.240	161.02
2d quarter	72.780	189.98	0		2,900	148.45	4.200	67.97	13,350	138.02	113,330	156.79
3d quarter	39.117	183.71	0		130	240.81	1,900	101.38	1,000	10.00	48.871	160.59
4th quarter												
Total and average												
Willamette--												
1st quarter	107.921	243.18	0		0		21.240	129.98	1.300	66.45	173,731	183.24
2d quarter	200,065	277.89	0		600	274.16	23,865	64.91	7.000	39.74	318.350	199.28
3d quarter	136,698	264.00	0		100	300.12	17,590	54.61	472	60.40	188,905	204.28
4th quarter												
Total and average												
All western Oregon:												
1st quarter	363,805	239.04	9,450	88.92	3,260	199.88	41.023	114.36	26.600	61.15	555.902	188.89
2d quarter	517,937	265.18	3,200	34.24	8,130	105.63	67.138	125.44	38,650	100.97	791,852	203.28
3d quarter	452,353	208.74	2.800	46.79	3.455	205.39	49,876	115.42	18.166	51.26	607,542	190.94
4th quarter												
Total and average												
Western Washington:												
Gifford Pinchot--												
1st quarter	41,110	204.07	0	--	0		7.180	197.73	14.700	204.45	81,040	167.00
2d quarter	117,490	215.15	0	--	0	--	21.960	105.11	31.570	161.28	206.410	161.21
3d quarter	60,610	254.77	0	--	0	--	23,650	152.96	14.890	140.23	120,900	178.62
4th quarter												
Total and average												
Mount Baker-Snoqualrnie--												
1st quarter	11,570	207.11	0		0	--	10,415	123.82	4,300	161.80	34,093	152.62
2d quarter	13,985	217.30	0		0	--	34.935	201.33	18,710	197.15	86,745	192.28
3d quarter	19.225	253.41	0	--	0	--	79,980	188.71	1,650	143.75	58.992	211.44
4th quarter												
Total and average												
Olympic--												
1st quarter	16.090	206.23	0		0	--	26,385	133.99	4.070	144.42	52.655	150.82
2d quarter	6,580	171.29	0	--	0	--	29,930	206.67	55	1.76.00	48.530	180.22
3d quarter	4.961	218.58	0	--	0	--	31.015	120.10	10.320	98.06	56.580	115.20
4th quarter												
Total and average												

Table 67--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1988[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 slde		East slde									
	Volume	Value	Volume	Value	Volume	Value	.Volume	Value	Volume	Value	Volume	Value
All western Washington:												
1st quarter	68,770	205.09	0	--	0	--	43.980	141.99	23.070	185.91	167,788	159.00
2d quarter	138,055	213.28	0	--	0	--	86.825	178.83	50,335	174.63	341.685	171.80
3d auarter	84.796	252.34	0	--	0	--	74,645	148.87	26,860	124.24	236.472	171.64
4th quarter												
Total and average												
All western Oregon and western Washington:												
1st quarter	432,575	233.64	9.450	88.92	3.260	199.88	85.003	128.65	49.670	119.10	723.690	181.96
2d quarter	655,992	254.25	3,200	34.24	8,130	105.63	153,963	155.55	88,985	142.64	1,133.537	193.79
3d quarter	537.149	215.62	2.800	46.79	3.455	205.39	124,521	135.47	45.026	94.80	844,014	185.53
4th quarter												
Total and average												
Eastern Oregon:												
Deschutes--												
1st quarter	0	--	8.750	234.65	33,006	329.21	0	--	19,480	40.26	76,446	183.26
2d quarter	0	--	1,990	241.70	6.245	244.72	0	--	5.870	34.64	29.554.	80.72
3d quarter	0	--	3.450	54.42	15,050	231.61	0	--	2.131	76.57	38.051	108.32
4th quarter												
Total and average												
Fremont--												
1st quarter	0	--	0	--	20.210	266.33	0	--	1,400	46.05	22,310	244.80
2d quarter	0	--	0	--	29.420	269.03	0		7.030	40.61	38,840	212.56
3d quarter	0	--	0	--	14,840	365.85	0	--	3,778	69.85	36,015	171.83
4th quarter												
Total and average												
Malheur--												
1st quarter	0	--	11,800	45.33	28.720	331.97	0	--	11,070	42.57	54.590	194.29
2d quarter	0	--	13,123	39.34	50,407	310.87	0		10.600	50.73	75.998	220.44
3d quarter	0	--	9,338	40.96	23.390	236.82	0	--	2,726	51.81	38.230	167.14
4th quarter												
Total and average												
Ochoco--												
1st quarter	0	--	9,000	63.71	36.300	314.51	0	--	3.500	61.28	48,800	250.09
2d quarter	0	--	6,000	42.50	25,300	302.66	0	--	5,100	34.92	36,400	222.26
3d quarter	0	--	4,400	113.33	21,950	290.37	0	--	9,000	59.65	35,350	209.60
4th quarter												
Total and average												
Urnatilla--												
1st quarter	0	--	8,200	60.20	12,600	222.95	0	--	16.600	16.83	60.700	60.37
2d quarter	0	--	2,700	83.21	2,700	376.23	0	--	14.300	63.30	33.900	82.03
3d quarter	0	--	6.800	63.18	3,800	320.15	0	--	20.540	57.78	40.430	72.21
4th quarter												
Total and average												
Wallowa-Whitman--												
1st quarter	0	--	7.940	46.92	7,565	300.81	0	--	6,925	76.55	24.780	129.34
2d quarter	0	--	17,189	47.84	15,150	209.62	0	--	18.028	29.61	70.009	69.25
3d quarter	0	--	8.265	52.55	5.850	205.29	0	--	6,180	24.83	47.335	47.62
4th quarter												
Total and average												
Winema--												
1st quarter	0	--	0	--	31,900	370.37	0	--	11,400	55.10	53.860	240.62
2d quarter	0	--	2,455	48.02	18,070	297.12	0	--	9,795	132.69	44,070	157.18
3d quarter	0	--	0	--	26,200	267.97	0	--	5,150	88.41	46,800	175.45
4th quarter												
Total and average												
All eastern Oregon:												
1st quarter	0	--	45,690	88.15	170,301	317.67	0	--	70,375	42.23	341.486	181.89
2d quarter	0	--	43,457	55.62	147,292	287.39	0	--	70,723	55.76	328,771	152.20
3d quarter	0	--	32.253	59.93	111,080	272.47	0	--	49.505	58.59	282,211	132.86
4th quarter												
Total and average												

Table 67--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1988[a] [b] (continued)

(Volume in thousand board feet, Scribrier 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	4.600	58.71	9.800	85.33	1.120	233.06	0	--	2,900	92.76	34.720	86.85
2d quarter	0		6.042	39.87	329	210.29	3.540	17.46	9.273	104.69	25.624	68.46
3d quarter	0		8.340	72.98	0	--	0	--	3.600	39.54	20.455	62.05
4th quarter												
Total and average												
Okanogan--												
1st quarter	0	–	26,950	79.95	4,660	188.93	0	--	0	--	34,380	90.01
2d quarter	0	--	0	--	0	--	0	--	0	--	10.100	18.91
3d quarter	0	--	23,450	95.74	10.815	236.91	0		0	--	37.360	131.63
4th quarter												
Total and average												
Wenatchee–												
1st quarter	0	--	15,770	106.45	4,425	208.67	0	--	14.275	140.40	40.480	113.68
2d quarter	0	–	24.087	88.01	4.760	167.36	13.230	141.96	6.028	85.63	59.279	99.42
3d quarter	0	--	20.578	81.99	5,400	172.00	9.300	113.17	10,320	124.48	61.682	87.79
4th quarter												
Total and average												
All eastern Washington:												
1st quarter	4.600	58.71	52.520	88.91	10.205	202.33	0	--	17.175	132.36	109.580	97.75
2d quarter	0	--	30.129	78.36	5,089	170.13	16,770	115.68	15.301	97.18	95.003	82.51
3d auarter	0	--	52.368	86.71	16.215	215.29	9.300	113.17	13.920	102.51	119.497	97.09
4th quarter												
Total and average												
All eastern Oregon and eastern Washinaton:												
1st quarter	4.600	58.71	98.210	88.56	180.506	311.15	0	--	87.550	59.91	451,066	161.45
2d quarter	0	–	73.586	64.93	152,381	283.48	16.770	115.68	86.024	63.13	423.774	136.58
3d quarter	0	--	84.621	76.50	127.295	265.19	9.300	113.17	63.425	68.23	401.708	122.22
4th quarter												
Total and average												
Pacific Northwest Region:												
1st quarter	437,175	231.80	107.660	88.59	183,766	309.17	85,003	128.65	137.220	81.34	1.174.756	174.09
2d quarter	655.992	254.25	76.786	63.65	160.511	274.47	170.733	151.63	175.009	103.55	1.557.311	178.22
3d quarter	537.149	215.62	87.421	75.55	130,750	263.61	133.821	133.92	108,451	79.26	1,245.722	165.12
4th quarter												
Total and average												
All of Oregon:												
1st quarter	363,805	239.04	55.140	88.29	173,561	315.45	41.023	114.36	96,975	47.42	897.388	186.23
2d quarter	517.937	265.18	46,657	54.16	155,422	277.89	67.138	125.44	109,373	71.73	1,120.623	188.29
3d quarter	452,353	208.74	35,053	58.88	114,535	270.45	49.876	115.42	67.671	56.62	889.753	172.52
4th quarter												
Total and average												
All of Washinyton:												
1st quarter	73.370	195.91	52,520	88.91	10,205	202.33	43,980	141.99	40,245	163.06	277.368	134.80
2d quarter	138.055	213.28	30.129	78.36	5,089	170.13	103.595	168.61	65,636	156.58	436,688	152.37
3d quarter	84.796	252.34	52.368	86.71	16.215	215.29	83.945	144.92	40.780	116.83	355.969	146.61
4th 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, lo ging and processing costs, size and length of sale, number of bidders, and other related price determinants. Prices for stumpage in National Forest lands are statistical high bids. The statistical high bld is defined as the bid price minus credits for road costs; it includes an allowance for sale-area betterment (K-V funds).

[c] Does not Include noble fir or Shasta red fir.

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

Table 68–Volume of timber sold on publicly owned or managed lands in Alaska, 1983-88

(In thousand board feet, Scribner scale)

Agency	1983	1984	1985	1986	1987		1988				
					Total	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
USDA Forest Service a	82,376	60,207	51,110	255,598	137,587	59,785	2,881	3,211	11,879		
U.S. Bur. Land Manage. b	0	0	66	322	0	0	0	0	0		
U.S. Bur. Indian Affairs	0	0	871	0	15,300	0	0	0	0		
State of Alaska	72,145	21,087	20,178	13,111	27,219	2,115	2,809	5,940	6,847		
Total	154,521	81,294	72,225	269,031	180,106	61,900	5,690	9,151	18,726		

a Convertible products only.

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

Source: Respective agencies listed.

Table 69—Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1983-88

(In thousand board feet, Scribner scale)

Agency	1983	1984	1985	1986	1987		1988				
					Average	3d qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Average
USDA Forest Service a	14.68	17.65	6.97	9.12	26.79	43.82	11.95	38.01	106.87		
US. Bur. Land Manage. b			9.47	39.79	--	--	--	--	--		
U.S. Bur. Indian Affairs		--	46.93	--	64.59	-	--	--	--		
State of Aiaska	87.96	14.95	15.53	13.88	10.76	18.14	14.09	21.19	50.53		
Average	48.89	16.95	9.85	9.39	27.58	42.94	13.01	27.09	86.27		

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

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

Source: Respective agencies listed.

Table 70--Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1977-88[a]

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedar and other softwoods	All species
1977	65.00	65.00	4.00	63.00
1978	99.17	4.27	136.17	40.57
1979	289.50	100.00	161.70	142.70
1980	213.30	18.40	437.40	101.10
1981	131.60	24.30	4.50	47.50
1982	39.00	14.50	35.70	32.40
1983	29.00	6.70	8.90	14.60
1984	18.83	4.67	76.32	18.86
1985	18.78	5.73	29.97	13.77
1986	18.08	17.41	32.46	18.94
1987:				
1st quarter	40.87	17.13	27.18	25.75
2d quarter	80.02	10.37	12.60	31.62
3d quarter	59.54	44.93	134.49	63.86
4th quarter	54.12	10.46	270.30	58.88
1987 average	58.23	25.02	167.06	55.76
1988:				
1st quarter	27.00	7.92	9.46	12.88
2d quarter	23.50	1.00	46.76	20.14
3d quarter	227.27	45.92	341.92	121.88
4th quarter				
1988 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. Alaska Region is the State of Alaska.

Table 71—Volume and average value of all species of all timber products sold from the USDA Forest Service Regions of the Western United States, 1977-88[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
1977	1,043.3	49.46	325.7	16.91	281.5	68.86	424.6	19.81	1,705.8	118.40	1,377.3	100.70	3,285.5	156.89	1.1	14.57
1978	1,090.9	61.35	366.8	23.21	386.3	86.19	364.0	36.75	1,983.1	145.80	1,490.0	149.61	3,351.4	184.32	178.3	33.99
1979	1,089.1	66.23	382.3	8.41	368.4	90.64	330.3	40.59	2,051.8	200.54	1,690.6	153.84	3,674.3	296.69	132.2	127.55
1980	1,158.5	46.48	324.9	5.48	338.1	49.11	368.7	26.80	1,867.3	242.22	1,568.2	119.53	3,758.4	311.11	290.7	47.65
1981	1,033.7	57.45	417.7	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:																
1st qtr.	200.3	36.58	122.8	23.83	80.1	30.18	29.7	58.47	443.9,	110.97	460.6	120.40	896.0	129.14	11.1	15.59
2d qtr.	307.4	39.93	129.4	21.33	90.7	55.62	146.3	32.15	530.6	119.95	488.3	102.21′	1,077.8	122.83	14.7	19.32
3d qtr.	354.2	46.80	129.5	19.40	185.2	55.41	151.4	39.79	407.4	103.33	415.3	113.23	794.5	137.93	59.8	43.82
4th qtr.	80.2	32.95	45.8	15.10	64.4	68.60	40.3	20.93	235.3	100.53	272.7	156.03	516.4	159.65	52.1	11.73
Total or average	942.0	41.20	427.5	20.79	420.3	52.67	367.7	36.19	1,617.2	110.47	1,637.0	119.09	3,284.7	133.99	137.6	26.79
1988:																
1st qtr.	162.3	43.54	100.2	35.56	99.4	73.32	87.2	88.43	404.8	123.86	472.8	158.65	731.0	176.00	2.9	11.95
2d qtr.	269.1	58.76	99.6	34.75	79.5	55.12	151.7	73.55	566.1	119.03	476.5	123.54	1,159.7	191.54	3.2	38.01
3d qtr.	399.4	42.98	167.6	31.14	163.3	32.03	94.6	22.09	752.7	103.08	430.9	116.75	858.9	182.50	11.9	106.87
4th qtr.																
Total or average																

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

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

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

Table 72–Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1977-88[a]

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

	Northern Region		Rocky Mountain Region		Southwestern Region		Intermountain Region		Pacific Southwest Region		Pacific Northwest Region–east side		Pacific Northwest Region–west side		Alaska Region	
Year	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
1977	1,008.0	43.25	311.0	16.72	412.1	52.82	431.4	51.95	1,801.3	90.81	1,393.4	86.43	2,720.2	116.41	491.3	3.82
1978	1,005.8	50.55	276.5	17.85	345.2	66.16	397.6	32.23	1,788.2	102.41	1,446.9	104.11	3,067.3	133.91	408.6	4.37
1979	957.5	55.47	293.8	15.27	385.8	64.72	412.7	48.16	1,726.6	100.08	1,259.8	118.33	3,123.6	142.46	459.5	4.38
1980	834.1	35.97	240.0	11.48	336.1	44.27	268.9	24.06	1,507.8	86.82	1,139.8	90.15	2,349.6	142.44	453.6	15.34
1981	864.0	36.53	256.8	12.15	267.6	53.63	301.3	21.62	1,091.9	95.71	1,055.1	87.72	1,923.7	135.29	387.5	13.20
1982	528.9	22.39	258.7	6.97	180.0	25.29	287.8	11.13	937.3	47.80	890.2	53.86	1,568.0	87.06	345.5	14.61
1983	1,071.9	38.15	345.8	10.48	378.4	42.52	417.2	20.09	1,676.3	97.71	1,542.8	95.43	2,744.7	96.03	251.9	10.01
1984	921.8	40.89	386.6	13.80	401.6	30.84	385.9	17.16	1,559.1	80.13	1,715.5	87.03	2,953.7	100.52	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:																
1st qtr.	213.4	38.09	78.7	16.20	47.4	31.09	53.1	29.31	112.1	73.21	337.4	113.56	571.8	128.38	55.3	2.73
2d qtr.	178.1	42.35	54.9	19.92	109.9	60.31	52.5	31.35	535.9	108.92	366.9	93.45	1,029.7	116.68	105.6	2.26
3d qtr.	415.4	39.05	109.3	15.97	163.2	57.32	154.4	20.72	788.4	104.50	616.7	95.34	1,061.7	107.12	102.7	38.17
4th qtr.	325.3	48.33	190.4	12.35	166.2	60.18	186.2	26.76	524.0	99.45	649.2	119.39	807.4	129.13	88.6	4.57
Total or average	1,132.1	42.05	433.4	14.92	486.6	56.42	446.2	25.51	1,960.3	102.57	1,970.2	106.03	3,470.6	118.58	352.2	-8.87
1988:																
1st qtr.	183.7	46.13	73.6	22.39	49.5	40.10	53.2	32.40	225.2	83.49	418.2	137.03	769.4	153.97	68.0	5.57
2d qtr.	158.7	52.88	59.1	24.15	107.6	70.92	70.4	39.36	549.4	104.74	327.6	113.56	1,048.0	189.49	109.8	3.51
3d qtr.	310.1	43.49	133.1	14.74	162.0	71.69	167.0	32.32	875.4	106.92	400.1	111.30	988.0	152.52	130.8	4.84
4th qtr.																
Total or average																

Note: Negative stumpage value caused by emergency rate redeterminations.

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

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

Table 73—Volume and average value received in British Columbia on timber billed from tree farm licenses, timber sale harvesting licenses, and timber sale licenses other than small business sales, by species and by coast and interior, 1983-87[a]

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

Species and year	Coast[d] Volume	Coast[d] Average value	Interior[e] Volume	Interior[e] Average value
Balsam:				
1983	2,410	2.81	3,051	.97
1984	3,342	2.86	4,057	1.18
1985	2,883	2.49	4,059	1.12
1986	2,878	2.97	4,540	1.18
1987	2,825	2.99	4,803	1.25
Cedar:				
1983	3,011	3.50	917	1.57
1984	4,141	7.05	1,580	2.00
1985	3,880	8.53	1,391	1.84
1986	3,842	4.70	1,246	1.62
1987	3,704	6.27	1,223	1.89
Cypress:				
1983	281	9.37	4	5.43
1984	574	10.45	2	9.68
1985	465	9.10	0	--
1986	384	11.76	2	1.71
1987	391	8.46	2	13.71
Fir:				
1983	1,280	4.52	2,821	1.14
1984	1,513	3.75	3,142	1.40
1985	1,489	3.85	3,231	1.34
1986	1,760	6.69	3,236	1.64
1987	1,853	8.46	2,885	1.59
Hemlock:				
1983	5,505	2.61	646	.86
1984	7,131	2.67	1,188	.78
1985	6,162	2.27	1,450	.80
1986	6,354	2.84	1,815	.90
1987	6,385	2.72	2,591	.83
Larch:				
1983	0	--	271	1.22
1984	0	--	307	1.35
1985	0	--	296	1.32
1986	0	--	318	1.45
1987	0	--	261	1.62
Lodgepole pine:				
1983	5	1.20	11,168	.84
1984	1	2.25	13,752	1.12
1985	3	1.16	13,295	1.02
1986	2	1.44	14,679	1.07
1987	5	1.54	15,224	1.19
Spruce:				
1983	736	11.62	12,944	1.24
1984	720	6.68	15,688	1.27
1985	764	7.13	15,066	1.22
1986	689	13.52	14,877	1.34
1987	876	20.98	13,881	2.14
White pine:				
1983	18	1.93	126	2.01
1984	22	1.89	137	3.77
1985	21	1.88	132	4.86
1986	19	1.89	123	22.39
1987	20	2.16	116	18.68
Other species:				
1983	10	1.40	134	1.14
1984	12	1.38	127	.84
1985	5	1.28	98	1.29
1986	18	1.29	51	1.40
1987	57	1.99	85	1.21
All species:				
1983	13,256	3.70	32,082	1.00
1984	17,457	4.26	39,983	1.23
1985	15,672	4.45	39,018	1.18
1986	15,945	4.41	40,887	1.30
1987	16,116	6.12	41,071	1.60

[a] Fiscal year ending March 31.

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

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

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

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

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

Table 74--Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1978-88[a]

(In million board feet, Scribner log rule)

Year	California	Montana	Idaho[b]		Oregon'	Washington'
			Northern	Southern		
1978	e 5,126.4	d 1,331.4	d 1,604.9	1,009.2	e 8,538.3	e 3,948.3
1979	d 5,221.5	d 1,426.0	d 1,525.5	d 939.3	e 8,610.5	e 4,730.6
1980	d 5,834.9	e 1,468.6	e 1,386.6	e 819.1	e 9,939.3	e 4,526.7
1981	d 6,225.2	d 1,631.8	d 1,693.6	d 780.7	12,020.1	5,377.1
1982	7,365.6	1,800.7	d 1,833.6	E 756.0	12,646.6	5,478.3
1983	6,974.9	1,848.9	1,995.9	807.0	13,361.9	5,820.4
1984	7,278.0	1,752.2	1,740.1	810.0	12,857.4	5,312.0
1985	7,179.0	2,046.0	1,785.2	d 707.0	13,278.2	5,362.4
1986	4,911.0	1,924.4	1,947.5	712.3	7,777.6	2,970.6
1987	4,108.7	1,297.1	1,390.7	d 612.3	7,161.8	2,805.3
1988	3,411.0	980.8	1,272.0	d 481.3	6,864.5	3,094.6

E = estimated.

[a] As of June 30 unless otherwise noted.

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

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

[d] As of September 30.

[e] As of December 31.

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

Table 75–Fiscal year sale program volume on National Forest lands in Oregon and Washington, 1979-89

(In million board feet, Scribner scale)

Fiscal year	Oregon[a]	Washington	Total
1979	3,609	1,581	5,190
1980	3,690	1,542	5,232
1981	3,676	1,526	5,202
1982	3,681	1,527	5,208
1983	3,389	1,323	4,712
1984	3,608	1,320	4,928
1985	3,457	1,253	4,710
1986	3,469	1,216	4,685
1987	3,874	1,279	5,153
1988	3,925	1,317	5,242
1989	3,696	1,256	4,952

[a] Includes California volumes for Rogue River and Siskiyou National Forests; also includes Washington volume for Umatilla ,National Forest.

Table 76–Allowable annual cut and uncut volume under contract on Bureau of Land Management lands in Oregon, 1978-88

(In million board feet, Scribner log scale)

Year	Allowable cut[a]	Uncut volume under contract	Ratio
1978	1,183	2,204	1.9
1979	1,133	2,224	2.0
1980	1,134	2,484	2.2
1981	1,120	2,608	2.3
1982	1,120	3,491	3.1
1983	1,048	3,520	3.4
1984	1,023	3,639	3.6
1985	1,000	3,498	3.5
1986	1,574	2,104	1.3
1987	1,188	2,129	1.8
1988	1,183	1,700	1.4

[a] Defined as volume offered; this includes an estimated 17.5 million board feet for eastern Oregon.

Source: Bureau of Land Management.

Table 77—Allowable annual cut and uncut volume under contract on Oregon State lands, 1977-87[a]

(In million board feet, Scribner log rule)

Year	Allowable cut	Uncut volume under contract	Ratio
1977	220	446	2.0
1978	241	443	1.8
1979	223	472	2.2
1980	225	482	2.1
1981	220	507	2.3
1982	220	676	3.1
1983	205	503	2.5
1984	202	555	2.7
1985	210	461	2.2
1986	222	389	1.8
1987	197	367	1.9

[a] As of December 31.

Source: State of Oregon, Department of Forestry.

Table 78—Allowable annual cut and uncut volume under contract on Washington State lands, 1978-88[a]

(In million board feet, Scribner log rule)

Year	Allowable *cut*	Uncut volume under contract	Ratio
1978	774	1,801	2.3
1979	774	1,880	2.4
1980	757	1,893	2.5
1981	757	1,902	2.5
1982	757	2,088	2.8
1983	757	1,714	2.3
1984	777	1,403	1.8
1985	777	1,169	1.5
1986	880	1,013	1.2
1987	880	R853	1.0
1988	880	796	.9

R = revised.

[a] As of June 30.

Source: State of Washington, Department of Natural Resources.

Table 79--Small business set-aside sales on National Forests by number of sales and by volume, Pacific Northwest Region, 1977-88

(Volume in thousand board feet)

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheur		Mount Baker-Snoqualmie		Mount Hood	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1977	3	13.800	7	63,290	8	69,000	13	192.500	0	--	10	70.450	15	76.379
1978	4	43,500	0	--	1	357	15	161.500	0	--	0	--	20	83.836
1979	5	42,760	4	2.150	11	79.460	0	--	0	--	19	11,575	34	86.586
1980	2	20,400	3	2.032	6	44,360	16	113.140	0	--	18	6.763	44	26.525
1981	14	39,075	10	7,525	7	38,900	3	290	1	89	15	12,572	29	41.313
1982	10	38,460	9	9,580	8	13,440	18	30.920	0	--	12	4.400	31	16,246
1983	4	2,495	1	640	12	56.890	22	18.671	4	1,165	11	11,075	32	16.905
1984	4	3,480	2	3.429	4	17.800	42	42.473	1	545	7	10.510	17	4.882
1985	4	2,896	8	45.616	6	36,960	12	8.960	4	1,060	12	5.025	18	48,940
1986	3	1,022	8	48.504	4	27,800	9	7,180	4	459	22	63,950	6	3.175
1987	7	5.378	7	26.341	10	70.740	13	6.635	14	2.725	23	35,050	5	1,100
1988:														
1st *qtr.*	1	1.120	1	76	2	10,680	0	--	2	1,400	1	515	3	210
2d qtr.	1	R500	3	1,494	0	--	4	3.250	4	795	10	39.150	4	320
3d qtr.	0	--	0	--	0	--	7	2,960	3	850	10	20.460	5	3.370
4th qtr.														
1988 total														

	Ochoco		Okanogan		Olympic		Rogue River		Slsklyou		Sluslaw		Umatilla	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1977	0	--	1	11,500	2	30,926	25	100,807	14	58,980	17	91,027	7	31.100
1978	5	34,300	0	--	6	44,615	47	171,251	13	62.300	39	231.303	0	--
1979	3	23,500	7	20.105	12	106,105	50	118.818	2	270	16	120.834	4	35,500
1980	1	*7.700*	2	70.660	12	69,100	31	123.125	7	29,510	7	45.137	3	18.200
1981	5	35,000	2	13,100	6	58,500	54	168,580	24	78.733	44	201.038	7	36,936
1982	3	1,100	3	15.750	4	1,860	26	85.272	33	45,719	44	94,808	1	150
1983	2	640	0	--	4	2,660	46	86,635	14	29.755	15	2.951	5	32,400
1984	0	--	0	--	2	1.480	22	23,005	15	77,305	8	1.524	2	5.400
1985	0	--	2	10,200	1	250	10	11.396	9	4.980	8	2.907	1	1,300
1986	10	74.950	2	18,100	9	9,173	19	94,400	6	3.270	31	126.810	1	10.700
1987	12	74,290	4	7,705	5	5,300	28	76,620	5	4.920	25	79,052	1	125
1988:														
1st qtr.	4	17,500	0	--	4	1,515	1	330	1	265	2	290	1	2.500
2d qtr.	2	11,000	0	--	2	2,040	10	34,300	0	--	0	--	0	--
3d qtr.	1	500	0	--	2	578	10	40.355	3	618	6	1,913	2	900
4th qtr.														
1988 total														

	Umpqua		Wallowa-Whttman		Wenatchee		Wlllamette		Wlnema		All Forests	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	volume	Sales	Volume	Sales	Volume
1977	29	128,705	0	-	0	-	4 8	174,585	8	35.110	207	1.148.159
1978	29	125.330	0	-	0	-	33	177,660	13	60.006	225	1.195.958
1979	35	169,212	0	-	5	23.100	53	146,366	6	59,050	266	1,045.391
1980	31	166,650	7	1.799	4	18.000	83	197.229	4	30,400	281	930,670
7981	49	119,185	16	79,375	9	41.760	63	137,827	*8*	69.900	366	1,179.698
1982	36	91,800	10	36,860	7	17,812	80	73,989	7	61.400	342	639,566
1983	13	3.135	3	1,907	11	33,880	43	78.021	2	12,500	244	392,325
1984	15	6.090	12	9,510	14	34.329	37	24,290	2	19,000	206	285.052
1985	72	9.668	9	4.820	11	34,772	34	21.828	0	--	221	251.578
1986	16	3.010	9	5,390	5	21.648	50	105,894	7	56.620	221	682.055
1987	39	5,775	10	41.050	5	16,750	56	191,287	7	50,390	276	701,233
1988:												
1st qtr.	7	700	2	635	5	9.520	11	25,930	0	--	48	73,186
2d qtr.	7	3.070	3	2,734	0	--	14	42,690	3	15,650	67	R156.993
3d qtr.	1	400	3	900	0	--	18	45,085	4	43.100	75	161,989
4th qtr.												
1988 total												

A = revised.

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

Warren, Debra D. 1989. Production, prices, employment, and trade in Northwest forest industries, third quarter 1988. Resour. Bull. PNW-RB-162. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 88 p.

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

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

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