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Production, Prices, Employment, and Trade in Northwest Forest Industries, Fourth Quarter 1987

Debra D. Warren

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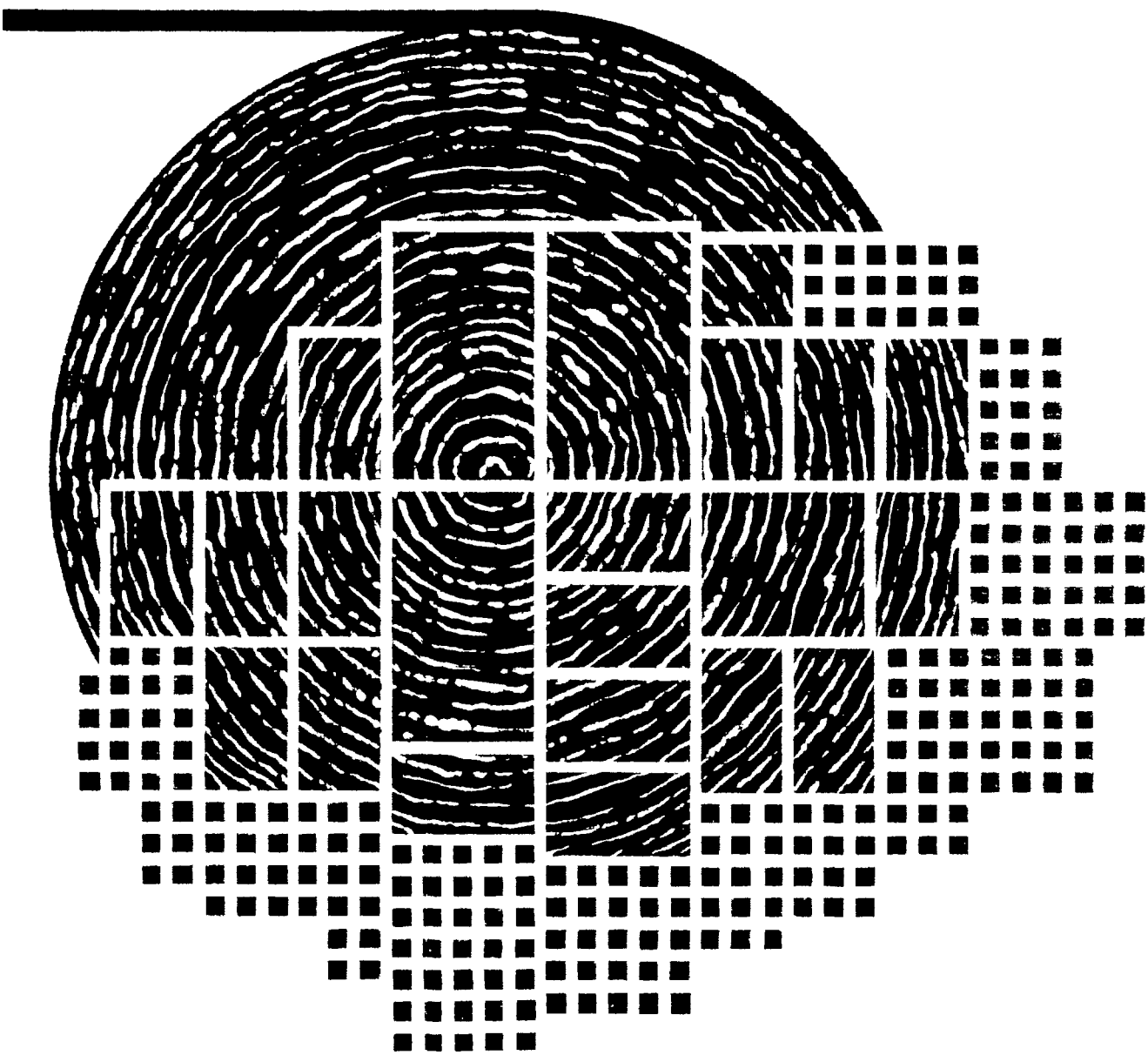

ABSTRACT

Warren, Debra D. 1988. Production. prices, employment, and trade h Northwest forest industries, fourth quarter 1987. Resour. Bull. PNW-RB-154. Portland, OR: U.S. Department *of* Agriculture, Forest Service, Pacific Northwest Research Station. 74 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 hems.

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 1976 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 pubfished again.

Cooperation in supplying data has been received from the following sources: the **US.** Department of Agriculture, **Forest** Service, Forest Inventory and Economics Research Staff in Washington, D.C.; 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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The customs districts have recently changed names: Northern California is now San Francisco, Oregon is Columbia-Snake, Washington is Seattle, Alaska is Anchorage, and Montana is Great Falls.

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Table 1—Softwood lumber production in Western United States by region, and U.S. softwood structural panel board production, 1976-87

Year	Softwood lumber production: Total softwood lumber	Western Washington and western Oregon a/	California redwood region	Inland region b/	U.S. softwood structural panel board production c/
	Million board feet				Million sq ft, 3/8-inch basis
1976	20,112	8,322	2,001	9,789	18,440
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	21,433	9,008	1,938	10,487	25,911
1987:					
January	1,812	790	182	840	'2,225
February	1,869	824	162	883	2,180
March	2,178	966	177	1,035	2,366
Total, 1st quarter	5,859	2,580	521	2,758	6,771
April	1,921	853	182	886	2,383
May	1,995	883	184	928	2,238
June	2,206	964	191	1,051	2,393
Total, 2d quarter	6,122	2,700	557	2,865	7,014
July	1,951	824	199	928	2,409
August	2,002	835	173	994	2,304
September	1,916	826	198	892	2,388
Total, 3d quarter	5,869	2,485	570	2,814	7,101
October	2,098	849	204	1,045	2,454
November	1,836	745	168	923	2,196
December	1,702	678	153	871	2,216
Total, 4th quarter	5,636	2,272	525	2,839	6,866
1987 total	23,486	10,037	2,173	11,276	27,752
	4th quarter 1987 change, in percent				
From:					
3d quarter 1987	4.0	-8.6	-7.9	.9	-3.3
4th quarter 1986	2.8	-2.4	7.8	6.5	5.1
	Year 1987 change, in percent				
From:					
Year 1986	9.6	11.4	12.1	7.5	7.1

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, 1976-86

(In million board feet)

Year	Washington	Oregon	California 4	Montana	Idaho
1976	3,661	7,335	4,824	1,197	1,908
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	1,627
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

a/ Includes 1 mill in Nevada.

Source: Western Wood Products Association, Portland, Oregon.

Table 3–Softwood lumber production in the inland region, by species, 1976-86 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
1976	9,789	3,757	294	201	2,321	1,655	366	451	744
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

a/ Includes eastern Washington, eastem 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, 1976-86 a/

(In million board feet)

Year	All species	Douglas-fir	Hem-fir b/	Western redcedar	Sitka spruce	Pine	Other softwoods	Hardwoods
1976	8,322	5,363	2,139	367	30	231	64	128
1977	8,796	5,567	2,413	382	21	215	67	131
1978	8,845	5,458	2,444	434	14	277	53	165
1979	8,427	5,228	2.320	346	19	254	81	179
1980	6,815	4,261	1,791	308	7	217	69	162
1981	6,270	3,817	1,660	347	11	198	79	158
1982	5,743	3,570	1,427	335	6	193	56	156
1983	7,934	5,088	1,877	445	6	270	69	179
1984	8,329	5,538	1,753	426	8	288	87	229
1985	8,062	5,449	1,555	432	8	316	73	229
1986	9,412	6,479	1,781	475	7	322	78	270

a/ Includes western Washington and western Oregon.

b/ Western hemlock and white fir combined. Before 1979, data are for white fir only; since 1979, data are for white fir and hemlock combined.

Source: Western Wood Products Association, Portland, Oregon.

Table 5–Softwood structural panel board production in the United States, by State, 1976-86 a/

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

Year	Total	Oregon	Washington	California	Montana, Idaho, and Colorado	Southern States b/	Northern States c/
1976	18,440.0	7,917.0	1,894.0	603.0	1,212.0	6,814.0	0
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

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, 1976-86

Year	Softwood lumber production			Softwood plywood production
	Total	Coast	Interior	
	Million board feet			Million sq ft, 3/8-inch basis
1976	10,680	3,988	6,692	2,191
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

Source: Dominion Bureau of Statistics, Ottawa, Canada.

Table 7—Wholesale prices of selected lumber products, 1976-87

(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
1976	178.00	188.00	318.00	169.00	151.00
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:					
January	220.25	268.75	602.50	212.00	199.50
February	232.75	300.00	590.00	231.75	218.50
March	225.25	300.00	602.50	223.75	211.00
Average, 1st quarter	226.08	289.58	598.33	222.50	209.67
April	217.50	282.00	626.25	214.25	196.50
May	214.60	259.40	652.00	213.40	193.80
June	224.75	260.00	655.00	224.50	201.25
Average, 2d quarter	218.95	267.13	644.42	217.38	197.18
July	229.40	242.00	655.00	224.60	201.60
August	241.75	251.25	655.00	238.00	208.25
September	245.50	253.75	655.00	240.00	210.25
Average, 3d quarter	238.88	249.00	655.00	234.20	206.70
October	229.40	252.00	655.00	217.80	186.00
November	226.25	288.75	651.25	224.75	182.75
December	222.80	270.00	618.00	206.20	192.40
Average, 4th quarter	226.15	270.25	641.42	216.25	187.05
1987 average	227.52	268.99	634.79	222.58	200.15
	4th quarter 1987 change, in percent				
From:					
3d quarter 1987	-5.3	8.5	-2.1	-7.7	-9.5
4th quarter 1986	.2	7.2	1.0	-2.4	-5.1
	Year 1987 change, in percent				
From:					
Year 1986	5.9	4.5	9.3	7.2	9.8

Source: Random Lengths Publications, Inc.

Table 8—Wholesale prices of selected softwood plywood products, 1976-87

(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
1976	127.00	125.00	160.00
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:			
January	149.50	147.75	178.75
February	154.25	151.50	186.75
March	147.50	154.75	187.75
Average, 1st quarter	150.42	151.33	184.42
April	142.50	150.50	184.25
May	141.00	142.60	180.60
June	143.75	142.25	178.00
Average, 2d quarter	142.42	145.12	180.95
July	144.60	145.20	180.20
August	159.00	153.00	186.25
September	168.75	157.75	191.75
Average, 3d quarter	157.45	151.98	186.07
October	158.60	154.40	188.00
November	152.50	157.25	189.00
December	152.00	154.80	187.20
Average, 4th quarter	154.37	155.48	188.07
1987 average	151.17	150.98	184.88
	------- 4th quarter 1987 change, in percent ------		
From:			
3d quarter 1987	-2.0	2.3	1.1
4th quarter 1986	.6	3.0	8.0
	--------- Year 1987 change, in percent -------		
From:			
Year 1986	3.9	-.2	5.0

a/ Texas, Louisiana, and Arkansas.

Source: Random Lengths Publications, Inc.

Table 9--F.o.b. mill prices for Douglas-fir lumber, coast mills, 1976-87 a/

(In dollars per thousand board feet)

Year	C selects	D selects and shop	Structural items	Utility	tight framing	Heavy framing	Economy
1976	486.23	276.45	229.01	109.84	173.76	216.59	49.12
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:							
1st quarter	838.42	417.46	245.88	129.78	197.54	232.63	59.84
2d quarter	840.18	430.95	251.63	137.19	203.04	245.08	67.10
3d quarter	807.26	387.50	258.42	144.62	216.48	285.18	70.69
4th quarter	861.87	422.06	275.51	142.38	209.08	270.91	66.97
1987 average	836.60	411.49	256.85	138.33	206.31	258.13	66.17

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—Washington and Oregon timber harvest by ownership, 1976-86

(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:							
1976	4,414	766	1,214	3	516	55	6,968
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 b/	3,952	1,064	1,232	5	102	8	6,363
Oregon:							
1976	3,561	203	3,174	1,082	108	25	8,153
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	709	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

a/ Less than 500,000 board feet.

b/ Preliminary.

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

Table 11–Montana and Idaho timber harvest by ownership, 1976-86

(in million board feet, Scribner scale)

State and year	Private	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest	Total
Montana:						
1976	569.9	17.3	44.1	4.6	470.4	1,106.1
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
Idaho:						
1976	700.7	193.6	4.0	20.2	1,009.5	1,927.8
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

Source: Respective agencies.

Table 12–British Columbia timber harvest, 1976-86

(In thousand cubic meters)

Year	Coast a/	Interior b/	Total
1976	32 192	37 226	62 418
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
1986	26 561	50 942	77 503

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 13--Alaska timber harvest by ownership, 1976-86

(In thousand board feet, Scribner scale)

Year	State	Private	Bureau of Indian Affairs	Bureau of Lend Management			National Forest			Total
				Free use	Cut	Total	Tongass	Chugach	Total	
1976	41,714	15,000	1,011	844	295	1,139	462.776	9,402	472,178	531.042
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	015	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	35,195	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	18.595	298.700	0	0	0	0	271,579	563	272.142	589.837

Source: Respective agencies.

Table 14—California timber harvest by ownership, 1976-86

(In million board feet, Scribner scale)

Year	Private a/	State	Bureau of Indian Affairs	Bureau of Land Management	National Forest a/	Total
1976	2,757	40	38	6	1,890	4,731
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

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

Source: Respective agencies.

Table 15—Employment in forest products industries in Washington and Oregon, 1976-87

(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
1976	154.6	127.4	27.2	68.4	51.0	17.4	86.2	76.4	9.8
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	108.2	27.5	61.6	44.4	17.2	74.1	63.8	10.3
1982	120.4	94.6	25.8	55.2	39.0	16.2	65.2	55.6	9.6
1983	128.7	103.7	25.0	56.8	41.1	15.7	71.9	62.6	9.3
1984	132.9	107.7	25.2	57.2	41.0	16.2	75.7	66.7	9.0
1985	126.1	100.9	25.2	53.4	37.3	16.0	72.7	63.6	9.1
1986	126.0	100.6	25.4	53.1	36.7	16.4	72.9	63.9	9.0
1987:									
January	125.4	99.6	25.8	53.3	36.3	17.0	72.1	63.3	8.8
February	125.4	99.7	25.7	53.4	36.5	16.9	72.0	63.2	8.8
March	126.1	100.3	25.8	54.0	36.9	17.1	72.1	63.4	8.7
Average, 1st quarter	125.6	99.9	25.8	53.6	36.6	17.0	72.1	63.3	8.8
April	128.4	102.5	25.9	54.9	37.7	17.2	73.5	64.8	8.7
May	131.4	105.4	26.0	56.4	39.1	17.3	75.0	66.3	8.7
June	135.0	108.4	26.6	57.6	40.0	17.6	77.4	68.4	9.0
Average, 2d quarter	131.6	105.4	26.2	56.3	38.9	17.4	75.3	66.5	8.8
July	137.9	111.0	26.9	58.8	41.1	17.7	79.1	69.9	9.2
August	136.8	110.2	26.6	58.5	41.0	17.5	78.3	69.2	9.1
September	136.0	109.5	26.5	58.8	41.3	17.5	77.2	68.2	9.0
Average, 3d quarter	136.9	110.2	26.7	58.7	41.1	17.6	78.2	69.1	9.1
October	133.0	106.8	26.2	57.8	40.5	17.3	75.2	66.3	8.9
November	133.9	107.8	26.1	57.6	40.3	17.3	76.3	67.5	8.8
December	133.3	107.8	25.5	56.5	40.0	16.5	76.8	67.8	9.0
Average, 4th quarter	133.4	107.5	25.9	57.3	40.3	17.0	76.1	67.2	8.9
1987 average	131.9	105.8	26.2	56.5	39.2	17.3	75.4	66.5	8.9
				4th quarter 1987 change in employment					
From:									
3d qtr. 1987	-3.5	-2.7	-.8	-1.4	-.8	-.6	-2.1	-1.9	-.2
4th qtr. 1986	5.9	5.3	.6	4.1	3.4	.7	1.9	1.9	-.1

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 (excludes furniture). The paper and allied products industry includes pulp, paper, paperboard, and building board products. Data are based on place of residence.

Table 16--Employment in forest products industries in California and Alaska, 1976-87

(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
1976	96.6	59.9	36.7	3.4	2.3	1.1
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:						
January	102.2	60.4	41.8	1.8	1.0	.8
February	102.4	60.3	42.1	2.2	1.4	.8
March	105.6	61.2	44.4	2.5	1.7	.8
Average, 1st quarter	103.4	60.6	42.8	2.2	1.4	.8
April	106.0	64.3	41.7	2.9	2.0	.9
May	109.4	67.3	42.1	3.1	2.2	.9
June	111.7	69.2	42.5	3.2	2.3	.9
Average, 2d quarter	109.0	66.9	42.1	3.1	2.2	.9
July	109.4	69.4	40.0	3.5	2.6	.9
August	109.9	70.0	39.9	3.6	2.7	.9
September	109.7	69.9	39.8	3.7	2.8	.9
Average, 3d quarter	109.7	69.8	39.9	3.6	2.7	.9
October						
November						
December						
Average, 4th quarter						
1987 average						
	- - - - - - - - - - - - 3d quarter 1987 change in employment - - - - - - - - - - - -					
From:						
2d quarler 1987	.7	2.9	-2.2	.5	.5	0.0
3d quarter 1986	6.0	6.6	-.7	.5	.4	.1

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

Table 17--Employment in forest products industries in Montana and Idaho, 1976-87

(In thousands of persons)

Year	Montana			Idaho	
	Lumber and wood products	Paper and allied products	Total	Lumber and wood products	Paper and allied products
1976	9.1	a/	18.6	17.4	1.2
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:					
January	R 8.3	a/	R 15.0	R 13.2	1.8
February	R 8.2	a/	R 14.6	R 12.8	1.8
March	R 7.6	a/	R 13.7	R 11.9	1.8
Average, 1st quarter	R 8.0	a/	R 14.4	R 12.6	1.8
April	R 7.4	a/	R 13.2	R 11.4	1.8
May	R 8.0	a/	R 14.3	R 12.5	1.8
June	R 8.5	a/	R 15.4	R 13.6	1.8
Average, 2d quarter	R 8.0	a/	R 14.3	R 12.5	1.8
July	8.7	a/	R 16.0	R 14.2	1.8
August	8.7	a/	R 16.2	R 14.4	1.8
September	8.6	a/	R 16.2	R 14.4	1.8
Average, 3d quarter	8.7	a/	R 16.1	R 14.3	1.8
October	8.3	a/	R 16.0	R 14.2	1.8
November	0.4	a/	R 15.7	R 13.9	1.0
December	8.4	a/	15.3	13.5	1.8
Average, 4th quarter	8.4	a/	15.7	13.9	1.8
1987 average	8.3	a/	15.1	13.3	1.8
	- - - - - - - - - - 4th quarter 1987 change in employment - - - - - - - - - -				
From:					
3d quarter 1987	-.3	a/	-.4	-.4	0.0
4th quarter 1986	-.2	a/	.4	.4	0.0

a/ Withheld to avoid disclosing figures for individual companies.

R = revised.

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

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

Table 18—Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87

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

Year and quarter	From both customs dlstrlcts				From Seattle Customs Dlstrlct			From Columbia-Snake Customs District			
	Total	Douglas-fir	POrt-Orford-cedar	Other softwoods	Total	Douglas-flr	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countrles						
1976	2,737,074	945,649	26,576	1,764,849	1,792,944	527,889	1,265,055	944,130	417,760	26,576	499,794
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	2,249,963	732,392	1,517,571	983,689	576,787	22,693	384,209
1980	2,631,617	1,262,210	12,300	1,357,307	1,699,138	645,073	1,054,065	932,679	617,137	12,300	303,242
1981	1,987,159	1,017,154	15,520	954,485	1,315,862	579,034	736,848	671,277	438,120	15,520	217,637
1982	2,567,644	1,427,635	11,299	1,128,510	1,596,793	729,844	866,949	970,851	697,991	11,299	261,561
1983	2,591,519	1,417,718	8,932	1,164,869	1,739,776	796,299	943,477	851,743	621,419	8,932	221,392
1984	2,722,243	1,568,803	11,124	1,142,316	1,789,184	847,295	941,889	933,059	721,508	11,124	200,427
1985	3,004,125	1,749,683	12,367	1,242,075	1,878,870	844,281	1,034,589	1,125,255	905,402	12,367	207,486
1986:											
1st qtr.	710.375	435.807	2.511	272.057	459.181	228.426	229,755	252,194	207.381	2,511	42.302
2d qtr.	677,594	387.860	246	289,488	431,667	189.356	242.311	245,927	198.504	246	47,177
3d qtr.	650,000	375,931	5.575	268.494	395.018	164,762	230,256	254.982	211,169	5,575	38.238
4th qtr.	742,139	411.110	3,832	327,197	453.746	183.120	270.626	288.393	227.990	3.832	56.577
1986 total	2.780.108	1.610.708	12,164	1.157.236	1.738.612	765.664	972.948	1.041.496	845.044	12.164	184.288
1987:											
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
					To Japan						
1976	,547,037	901,911	24,573	1,620,553	1,623,064	491,451	1,131,613	923,973	410,460	24,573	488,940
1977	,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	,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	,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	,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	,603,941	846,474	15,495	741,972	1,003,391	452,724	550,667	600,550	393,750	15,495	191,305
1982	,738,187	990,634	11,272	736,281	992,903	457,649	535,254	745,284	532,985	11,272	201,027
1983	,591,286	895,716	8,932	686,638	933,684	430,437	503,247	657,602	465,279	8,932	183,391
1984	,519,369	911,973	10,819	596,577	889,122	427,194	461,928	630,247	484,779	10,819	134,649
1985	,617,061	1,014,806	11,946	590,309	916,423	454,643	461,780	700,638	560,163	11,946	128,529
1986:											
1st qtr.	408,373	263.123	2,511	142,739	235.198	121.243	113,955	173.175	141.880	2.511	28.784
2d qtr.	393,424	277.247	230	115,947	212.686	119,539	93,147	180.738	157.708	230	22,800
3d qtr.	459.579	331.684	5.575	122.320	235,305	138,409	96.696	224.274	193,275	5.575	25,424
4th qtr.	507.335	344,143	3.832	159.360	261.780	144,960	116.820	245.555	199.183	3.832	42.540
1986 total	,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 atr.	423.775	293.264	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	159.641	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

Table 18--Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 (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											
1976	48.289	14.803	--	33.486	48.289	14.803	33.486	--	--	--	--
1977	15.698	9,531	--	6,167	15.698	9.531	6.167	--	--	--	--
1978	12.638	9,361	--	3.277	12.638	9,361	3.277	--	--	--	--
1979	24,124	7,737	--	16,387	24.124	7,737	16.387	--	--	--	--
1980	985	395	--	590	985	395	590	--	--	--	--
1981	1,332	392	--	940	1,332	392	940	--	--	--	--
1982	4.757	635	--	4.122	4,757	635	4,122	--	--	--	--
1983	5.216	397	--	4.819	5.216	397	4,819	--	--	--	--
1984	10.461	2.406	--	8.055	10.461	2,406	8.055	--	--	--	--
1985	32.802	36	--	32.766	32.802	36	32.766	--	--	--	--
1986:											
1st qtr.	2.065	--	--	2,065	2.065	--	2,065	--	--	--	--
2d qtr.	3.583	230	--	3.353	3,583	230	3,353	--	--	--	--
3d qtr.	2.907	--	--	2.907	2.907	--	2.907	--	--	--	--
4th qtr.	50.232	2.081	--	48.151	45.065	2.081	42.984	5,167	--	--	5,167
1986 total	58.787	2.311	--	56,476	53.620	2,311	51,309	5.167	--	--	5,167
1987:											
1st qtr.	26,525	4,034	--	22,491	24,380	4,034	20.346	2,145	--	--	2,145
2d qtr.	13.906	1,044	--	12.862	13.906	1,044	12.862	--	--	--	--
3d qtr.	3,019	284	--	2.735	3.019	284	2,735	--	--	--	--
4th qtr.	90	44	--	46	90	44	46	--	--	--	--
1987 total	43,540	5,406	--	38.134	41.395	5,406	35.989	2.145	--	--	2,145
To South Korea											
1976	130.069	26.454	--	103.615	117.007	21,068	95.939	13,062	5.386	--	7.676
1977	187.967	21,201	--	166,766	162,252	20,418	141.834	25.715	783	--	24.932
1978	307.865	24.844	--	283.021	271,887	20,426	251.461	35.978	4.418	--	31,560
1979	245,314	20.342	--	224.972	227,072	18,653	208.419	18.242	1.689	--	16,553
1980	191.387	11,796	--	179,591	163,988	9,549	154.439	27.399	2.247	--	25,152
1981	147.833	10,919	--	136,914	132,675	9,333	123.342	15.158	1.586	--	13,572
1982	254,736	27.809	--	226.927	220,126	23,841	196.285	34,610	3.968	--	30.642
1983	285.638	19.388	--	266,250	259,368	16,406	242.962	26.270	2.982	--	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:											
1st qtr.	67,224	1.683	--	65,541	58,211	1.388	56.823	9.013	295	--	8.718
2d qtr.	99.713	3.895	16	95.802	87.797	3,513	84.284	11.916	382	16	11.518
3d qtr.	92.889	3,054	--	89.835	88.489	3.054	85.435	4,400	--	--	4.400
4th qtr.	65.735	1.138	--	64,597	60,095	738	59,357	5,640	400	--	5.240
1986 total	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	--	119.994	109.058	2.537	106,521	13,973	500	--	13,473
3d qtr.	97.587	3.607	--	93.980	88.197	2.881	85.316	9,390	726	--	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
To People's Republic of China											
1980	87.785	69,901	--	17.884	43.271	31.884	11.387	44.514	38.017	--	6,497
1981	219.237	149,592	--	69,645	170,779	111,058	59.721	48.458	38.534	--	9.924
1982	533.102	390,047	--	143,055	358,762	244.198	114.564	174,340	145.849	--	28.491
1983	699,240	497.020	--	202.220	535.418	347.576	187.842	163.822	149,444	--	14.378
1984	845.188	624.676	--	220.512	589.661	402.321	187.340	255,527	222.355	--	33.172
1985	1,029,559	716.273	--	313.286	644,370	379,929	264,441	385.189	336,344	--	48.845
1986:											
1st qtr.	232,555	170.959	--	61.596	162,561	105,765	56.796	69,994	65,194	--	4,800
2d qtr.	172.511	101,072	--	71.439	123,487	64,907	58.580	49024	36.165	--	12.859
3d qtr.	92.312	39.309	--	53.003	66.088	21.499	44.589	26:224	17.810	--	8.414
4th qtr.	110,938	63.034	--	47,904	82.549	34,645	47,904	28,389	28.389	--	--
1986 total	608,316	374.374	--	233.942	434.685	226.816	207.869	173.631	147.558	--	26,073
1987:											
1st qtr	115,652	70,670	--	44,982	83.690	48.764	34.926	31.962	21.905	--	10.056
2d qtr.	175.281	123.692	--	51.589	158.543	93,329	45.214	36.738	30.363	--	6.375
3d qtr.	148.772	100.784	--	47.988	119,706	74.918	44.788	29,066	25.866	--	3,200
4th qtr.	118.974	94.350	--	24,624	93.681	71.641	22,040	25,293	22.709	--	2.584
1987 total	558.679	389,496	--	169,183	435,620	288.652	146,968	123,059	100,844	--	22.215

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 19–Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87

(In thousand dollars)

Year and quarter	From both customs districts				From Seattle Customs Distrlct			From Columbia-Snake Customs Dlstrlct			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-flr	Other softwoods	Total	Douglas-flr	Port-Orford-cedar	Other softwoods
					To all countrles						
1976	775,113	266,523	20,086	488,504	490,246	141,989	348,257	284,867	124,534	20,087	140,247
1977	826,698	311,269	17,049	498,360	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	139,584
1981	882,942	476,653	24,911	381,378	565,564	266,847	298,717	317,378	209,806	24,911	82,661
1982	1,014,909	600,254	18,719	395,936	605,089	299,524	305,565	409,820	300,730	18,719	90,371
1983	892,436	500,178	11,007	381,251	580,518	272,311	308,207	311,918	227,867	11,007	73,044
1984	903,796	533,451	14,148	356,197	575,879	281,943	293,936	327,917	251,509	14,148	62,260
1985	972,469	586,597	14,166	371,707	586,974	277,856	309,119	385,495	308,741	14.166	62,588
1986:											
1st qtr.	235.304	148.923	2,679	83,702	147,430	76.056	71.394	87.874	72.887	2,679	12.308
2d qtr.	222.438	134.584	140	87.714	136.622	62.967	73,654	85.816	71,617	140	14,059
3d qtr.	219.187	132,666	3.830	82.691	126.226	55.045	71.181	92,961	77,621	3.830	11.510
4th qtr.	252.651	151.183	4,433	97,035	141.810	62.534	79,226	110,642	88.600	4,433	17,809
1986 total	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	482,448	378.023	18.073	86.352
					To **Japan**						
1976	734,412	256,673	17,918	459,821	457,248	134,894	322,354	277,164	121,779	17,918	137,467
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:											
1st qtr.	147,019	96.921	2.679	47.418	80.922	42.757	38.165	66.097	54.164	2.679	9.254
2d qtr.	139.622	101.416	117	*38,088*	72,339	41.630	30.709	67.283	59.786	117	7.380
3d qtr.	165,358	119.326	3.830	42.202	80.549	46.617	33,931	64,810	72.708	3.830	8.271
4th qtr.	192.859	133.263	4.433	55.163	92,908	52,091	40.818	99.950	81.172	4.433	14.345
1986 total	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	107,445	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

Table 19—Value of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 (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	Part-Orford-cedar	Other softwoods
To Canada											
1976	7,908	2,733	--	5.175	7,908	2.733	5.175	--	--	--	--
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:											
1st qtr.	219	--	--	219	219	--	219				
2d qtr.	1,036	32	--	1.005	1.036	32	1.005	--	--	--	--
3d qtr.	431	--	--	431	431	--	431	--	--	--	--
4th qtr.	10.553	386	--	10,167	9.365	386	8.978	1.189	--	--	1.189
1986 total	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
To South Korea											
1976	27,546	5,664	--	21,882	24,400	4,350	20,050	3,146	1.315	--	1.831
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	8,865	1.059	--	7,806
1979	80,173	6,982	--	73,191	73,751	6,378	67,373	6,422	604	--	5.818
1980	71,675	4,116	--	67,559	62,108	3,279	58,829	9,567	837	--	8.730
1981	47,481	4,027	--	43,454	43,048	3,513	39,535	4,433	514	--	3,919
1982	76,415	9,169	--	67,246	66,657	8,136	58,521	9,758	1,033	--	8.725
1983	84,776	5,481	--	79,295	76,707	4,630	72,077	8,069	851	--	7.218
1984	77,339	1,723	2	75,614	68,951	1,358	67,593	8,389	365	2	8.022
1985	85,611	2,803	15	82,793	75,078	1,695	73,383	10,533	1.108	15	9.410
1986:											
1st qtr.	19,130	504	--	18.626	16,780	427	16,352	2.351	77	--	2,274
2d qtr.	28,828	1,049	23	27.756	25,389	933	24,455	3.439	115	23	3.301
3d qtr.	25.331	1.056	--	24.274	24,253	1.056	23.196	1.078	--	--	1.078
4th qtr.	17,209	300	--	16,909	15,730	196	15.534	1.480	104	--	1,376
1986 total	90.498	2,909	23	87.565	82.152	2.612	79.537	8.348	296	23	8.029
1987:											
1st qtr.	20.436	484	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
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	39025	68.859	59.505	--	9.354
1983	220.458	161,616	--	58,842	164,982	110449	54'533	55,476	51.167	--	4.309
1984	264,969	199,224	--	65,745	184,041	126,413	55628	80.928	70.811	--	10.116
1985	312.170	221,344	--	90.834	195.164	117.736	77,428	117,014	103.609	--	13,406
1986:											
1st qtr.	68.881	51.472	--	17,409	49,465	32.836	16.629	19,416	18.636	--	780
2d qtr.	50.708	30.502	--	20.207	36,862	20,033	16.828	13.847	10,468	--	3,379
3d qtr.	27,056	11.712	--	15,344	20,023	6840	13,183	7.033	4.872	--	2,161
4th qtr.	29.827	16.947	--	12.880	22.519	91639	12 .W	7.308	7.308	--	--
1986 total	176.472	110.633	--	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	26248	11,481	10.048	8.485	--	1,563
3d qtr.	41.765	29,190	--	12,575	33,491	211753	11,738	8.274	7.437	--	837
4th qtr.	38.549	31,007	--	7.542	29.847	23,268	6.578	8.702	7.738	--	964
1987 total	158,384	113,984	--	44,400	123.661	84.067	38,793	34.723	29.116	--	5,607

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 20—Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
					To all countries						
1976	283.19	281.84	755.83	276.80	273.43	268.98	275.29	301.73	298.10	755.83	280.61
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	348.46	363.08	1,017.56	328.84	332.89	342.70	328.21	380.48	387.37	1,017.56	330.94
1979	457.70	476.70	1,076.06	437.24	440.68	453.14	434.67	496.62	506.62	1,076.06	445.56
1980	497.32	503.00	1,349.27	484.32	491.73	492.57	491.22	507.50	513.91	1,349.27	460.31
1981	444.32	468.61	1,605.09	399.56	429.80	460.85	405.40	472.80	478.88	1,605.09	379.81
1982	395.27	420.40	1,656.70	350.88	378.94	410.40	352.46	422.12	430.85	1,656.70	345.51
1983	344.37	352.81	1,232.31	327.29	333.67	341.97	326.67	366.21	366.69	1,232.31	329.93
1984	332.00	340.04	1,271.75	311.82	321.87	332.76	312.07	351.44	348.59	1,271.75	310.64
1985	323.71	335.26	1,145.43	299.26	312.41	329.10	298.78	342.58	341.00	1,145.43	301.65
1986:											
1st qtr.	331.24	341.72	1,067.03	307.66	321.77	332.87	310.74	348.44	351.46	1,067.03	290.95
2d qtr.	328.28	346.99	568.77	303.00	316.50	332.53	303.97	348.95	360.78	568.77	298.01
3d qtr.	337.21	352.90	687.05	307.98	319.54	334.09	309.14	364.58	367.58	687.05	301.01
4th qtr.	340.44	367.74	1,156.78	296.56	312.53	341.76	292.75	384.34	388.61	1,156.78	314.81
1986 average	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	561.12	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	383.35	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
					To Japan						
1976	288.34	284.59	729.17	283.74	281.72	274.48	284.86	299.97	296.69	729.17	281.15
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:											
1st qtr.	360.01	368.35	1.067.03	332.20	344.06	352.66	334.91	381.68	381.76	1,067.03	321.49
2d qtr.	354.89	365.80	508.91	328.50	340.12	348.25	329.68	372.27	379.10	508.91	323.67
3d qtr.	359.80	359.76	687.05	345.01	342.32	336.81	350.18	378.15	376.19	687.05	325.33
4th qtr.	380.14	387.23	1.156.78	346.15	354.91	359.34	349.41	407.04	407.52	1.156.78	337.22
1986 average	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	562.70	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	1,888.89	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

Table 20—Average value of softwood logs exported from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 (continued)

(In dollars per thousand board feet, Scribner scale)

Year and quarter	From both customs districts				From Seattle Customs District			From Columbia-Snake Customs District			
	Total	Douglas-fir	Port-Orford-cedar	Other softwoods	Total	Douglas-fir	Other softwoods	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
To Canada											
1976	163.76	184.62	--	154.54	163.76	184.62	154.54	--	--	--	--
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:											
1st qtr.	106.04	--	--	106.04	106.04	--	106.04	--	--	--	--
2d qtr.	289.18	137.14	--	299.61	289.18	137.14	299.61	--	--	--	--
3d qtr.	148.25	--	--	148.25	148.25	--	148.25	--	--	--	--
4th qtr.	210.09	185.63	--	211.15	207.80	185.63	208.87	230.09	--	--	230.09
1986 average	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	--	--	--	--
To South Korea											
1976	211.78	214.11	--	211.19	200.53	206.47	208.93	240.77	244.77	--	238.54
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	--	309.95
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	245.64	285.80	310.13	288.05	441.18	312.81
1986:											
1st qtr.	284.58	299.44	--	284.19	288.26	307.82	287.78	260.81	260.00	--	260.84
2d qtr.	289.11	269.23	1.429.31	289.73	289.17	265.67	290.15	288.62	301.96	1,429.31	286.59
3d qtr.	272.70	345.92	--	270.21	274.08	345.92	271.51	245.00	--	--	245.00
4th qtr.	261.80	263.56	--	261.77	261.75	265.50	261.70	262.32	260.00	--	262.50
1986 average	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	564.65	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
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	508.04	--	274.46
1986:											
1st qtr.	296.19	301.08	--	282.64	304.29	310.46	292.79	277.40	285.86	--	162.50
2d qtr.	293.94	301.78	--	282.85	298.51	308.65	287.27	282.45	289.46	--	262.74
3d qtr.	293.09	297.95	--	289.49	302.98	318.15	295.66	268.19	273.56	--	256.83
4th qtr.	268.86	268.86	--	268.86	272.79	278.23	268.86	257.43	257.43	--	--
1966 average	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

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 21—Volume of softwood log exports from the San Francisco Customs District by species and destination, 1976-87 a/

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Port-Orford-cedar	Other softwoods
		To all countries		
1976	109.812	73.924	2,508	33.380
1977	70.902	38.302	2.331	30.269
1978	72,650	49.024	2,880	20.746
1979	65.492	37,551	1.611	26.330
1980	31,672	7.287	653	23.732
1981	25.536	5.890	1,381	18.315
1982	19.507	12,609	6	6.892
1983	33.519	3.643	300	29.576
1984	47,115	16,339	1,764	29.012
1985	62.580	33.967	1.272	27,341
1986:				
1st quarter	10.569	3,900	--	6.669
2d quarter	5,615	217	--	5.398
3d quarter	7.015	--	354	6.661
4th quarter	3.012	30	--	2.982
1986 total	26.211	4.147	354	21.710
1987:				
1st quarter	4.787	195	--	4,592
26 quarter	3.743		--	3,743
3d quarter	6.894	4,915	--	1,979
4th quarter	16.708	9.832	--	6.876
1987 total	32,132	14.942	--	17.190
		To Japan		
1976	95.485	69.395	2.853	24.237
1977	57.815	37.765	2.331	17,719
1978	58.760	48.653	1,757	8.350
1979	57.938	37.411	1.611	18.916
1980	27.180	7,055	653	19.472
1981	20.708	1,024	1.381	18.303
1982	9,022	3,270	6	5.746
1983	24.308	3.626	300	20.382
1984	26.251	2.954	1,764	21.533
1985	25.243	3.956	1.272	20,015
1986:				
1st quarter	6.653	--	--	6,653
2d quarter	2,410	217	--	2,193
3d quarter	7,015	--	354	6.661
4th quarter	2.982	--	--	2.982
1986 total	19.060	217	354	18.489
1987:				
1st quarter	4.592	--	--	4.592
2d quarter	3.719	--	--	3.719
36 quarter	6.597	4.915	--	1.682
4th quarter	10.304	4.029	--	6.275
1987 total	25.212	8.944	--	16,268
		To People's Republic of China		
1982	9.292	9.282	--	10
1983	8.302	--	--	8,302
1984	13.568	8.875	--	4,693
1985	37.305	30,011	--	7,294
1986:				
1st quarter	3.900	3,900	--	--
2d quarter	3,197	--	--	3,197
3d quarter	--	--	--	--
4th quarter	--	--	--	--
1986 total	7.097	3m	--	3.197
1987:				
1st quarter	--	--	--	--
2d quarter	--	--	--	--
3d quarter	--	--	--	--
4th quarter	--	--	--	--
1987 total	--	--	--	--

a/ Includes Monterey. Calltornla. 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 22–Volume of softwood log exports by State and port, Washington, Oregon, and northern California, 1976-87

(In million board feet, Scribner scale)

Year and quarter	State of Washington								
	Total	Aberdeen	Anacortes. Belllngham	Everett	Longvlew	Olympia	port Angeles	Tacoma	Other
1976	2.191.4	502.1	30.5	277.2	397.4	7.5	324.5	623.7	28.5
1977	2,003.0	402.1	42.1	237.7	328.2	68.7	304.6	607.6	12.0
1978	2,241.0	512.2	41.1	321.8	325.8	87.1	387.2	559.7	7.0
1979	2,616.1	648.7	50.9	332.8	366.1	101.0	505.0	601.7	9.9
1980	2,086.1	498.2	38.0	287.3	387.0	80.2	295.1	497.1	3.2
1981	1.531.8	414.3	16.7	208.4	215.9	47.3	168.0	446.2	15.0
1982	1.971.3	552.3	11.0	310.3	374.5	62.6	152.6	494.1	13.9
1983	2,057.9	658.1	6.7	292.5	318.3	40.4	xM.6	540.7	.6
1984	2.141.8	633.1	22.1	282.0	352.6	64.4	269.5	515.3	2.8
1985	2.230.8	684.6	44.3	304.4	352.0	34.2	334.3	472.5	4.4
1986:									
1st quarter	496.9	170.0	5.2	62.8	30.7	2.0	94.7	122.4	1.1
2d quarter	509.9	125.8	6.5	71.3	78.2	0	89.7	135.5	2.8
3d quarter	471.5	86.6	7.6	95.6	76.4	0	86.6	109.7	8.9
4th quarter	516.0	128.0	13.8	89.3	62.5	5.7	102.8	112.2	1.8
1986 total	1.994.3	510.4	33.1	319.0	255.8	7.7	373.8	479.8	14.5
1987:									
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
4th quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA	NA	NA

Year and quarter	State of Oregon					Northern California a/				
	Total	Astorla	Coos Bay	Portland	Newport	Total	Eureka	Sacramento	Oakland	Other
1976	545.4	273.3	144.6	99.5	28.0	110.2	83.8	26.1	.2	.1
1977	552.7	210.2	120.1	207.0	15.4	71.0	39.2	25.5	.1	6.2
1978	605.5	168.4	145.1	277.0	15.0	72.7	46.1	18.4	.3	7.8
1979	617.5	150.1	128.2	322.0	17.2	65.6	43.0	6.0	.6	16.0
1980	545.7	134.7	135.2	275.8	0	31.6	14.9	3.9	.6	12.2
1981	455.3	73.3	113.8	268.2	0	25.5	6.6	13.3	4.4	1.2
1982	596.2	93.3	191.1	309.5	2.3	17.9	16.0	.7	.1	1.2
1985	533.5	69.0	153.5	309.9	1.1	33.5	17.1	16.3	.1	0
1984	580.5	66.5	233.4	272.9	7.6	47.1	27.4	16.5	2.9	.3
1985	773.3	63.6	322.9	361.5	25.6	62.6	46.7	14.8	.1	1.0
1986:										
1st quarter	213.5	11.9	66.7	111.7	23.2	10.6	5.7	4.9	0	0
2d quarter	167.7	9.7	60.3	91.0	6.8	5.6	1.8	3.8	0	0
3d quarter	178.5	8.0	60.1	105.2	5.3	7.0	1.9	5.2	0	0
4th quarter	225.9	10.2	70.7	141.3	3.7	3.0	0	3.0	0	0
1986 total	785.6	39.8	257.8	449.2	39.0	26.2	9.4	16.9	.1	0
1987:										
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4th quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

a/ Consists of the Sen Francisco Customs District and includes Monterey. California. and all ports north of Monterey.

NA = not available.

Source: U.S. Department of Commerce.

Table 23—Average value of softwood log exports by State and port, Washington, Oregon, and northern California, 1976-87

(In dollars per thousand board feet, Scribner scale)

Year and quarter	State of Washington								
	Total	Aberdeen	Anacortes. Bellingham	Everett	Longvlew	Olympia	Port Angeles	Tacoma	Other
1976	277.26	269.90	293.96	287.08	302.53	302.53	261.25	277.21	252.97
1977	317.66	311.97	296.28	309.82	336.01	331.68	294.59	327.76	263.80
1978	339.68	332.92	295.77	334.87	379.57	347.93	319.97	340.91	344.67
1979	451.64	452.52	376.18	455.44	518.19	499.12	424.46	428.19	492.38
1980	495.76	490.53	414.44	473.47	506.59	510.63	472.08	523.11	538.84
1981	428.32	394.52	461.88	412.74	462.85	447.21	396.82	473.08	433.06
1982	388.57	354.51	374.42	366.86	420.02	358.61	362.47	429.08	372.14
1983	337.90	314.28	364.25	345.30	361.03	405.78	336.07	344.01	623.79
1984	327.11	311.83	293.83	324.35	353.46	326.45	329.95	329.48	303.70
1985	317.27	299.48	271.99	317.14	343.20	305.33	303.15	338.16	401.64
1986:									
1st quarter	343.30	303.47	228.39	343.92	358.68	307.70	320.21	339.46	525.90
2d quarter	322.14	289.04	277.51	327.56	353.31	0	318.03	336.15	304.74
3d quarter	326.42	291.76	247.02	327.21	361.97	0	308.49	348.19	355.06
4th quarter	321.43	298.61	191.49	337.28	386.02	261.81	280.00	363.42	397.35
1986 average	323.59	294.95	226.90	333.40	364.70	273.86	305.17	346.12	366.44
1987:									
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
4th quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA
1987 average	NA	NA	NA	NA	NA	NA	NA	NA	NA

Year and quarter	State of Oregon					Northern California a/				
	Total	Astoria	Coos Bay	Portland	Newport	Total	Eureka	Sacramento	Oakland	Other
1976	307.45	267.63	372.46	337.44	253.76	312.31	292.15	367.73	7.780.79	724.94
1977	349.32	338.29	409.01	328.22	318.00	335.14	333.34	337.06	325.04	338.56
1978	389.23	325.32	512.44	366.77	330.78	358.09	353.99	362.18	1,400.88	334.14
1979	483.30	461.34	592.98	455.51	381.59	369.65	336.29	393.19	1.538.21	410.22
1980	508.23	452.99	604.08	488.22	0	492.37	462.98	485.28	661.83	529.07
1981	477.76	340.14	635.05	448.55	0	488.61	537.93	492.22	458.32	305.66
1982	423.35	325.14	501.04	404.96	420.00	342.13	334.72	279.64	1.351.94	420.42
1983	369.15	302.95	411.99	362.85	320.00	345.23	315.41	370.37	1,112.90	643.92
1984	350.22	296.11	367.28	350.19	300.95	361.38	366.75	358.63	316.97	447.55
1985	342.31	290.70	359.82	338.61	301.97	299.66	281.93	342.02	1.078.48	449.98
1986:										
1st quarter	346.58	281.93	386.01	345.04	269.80	298.86	258.19	344.24	666.67	0
2d quarter	346.92	295.05	340.10	361.69	283.33	326.60	263.68	349.03	960.93	0
3d quarter	365.70	268.58	376.44	371.11	282.58	339.13	357.91	332.37	0	0
4th quarter	383.88	240.58	393.43	391.65	297.75	332.08	*0*	332.40	0	*0*
1986 average	361.72	271.88	375.07	369.38	276.56	319.40	279.20	339.59	850.58	0
1987:										
1st quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3d quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4th quarter	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1987 average	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

a/ Conslsts of Me San Franclsco Customs Distrlct and Includes Monterey. Calltornla. and all ports north of Monterey.

NA = not avallable.

Source: U.S. Department of Commerce.

Table 24—Volume and average value of softwood log exports from Anchorage Customs District by species and destination, 1980-87

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

Year and quarter	All species		Hemlock		Cedar		Spruce	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
To all countries								
1980	160.523	532.56	54,412	408.29	16.304	403.03	78.600	553.26
1981	149.208	480.54	60,094	382.17	9,610	299.38	69.652	578.82
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.								
1st quarter	30.639	393.87	13.206	340.75	4,480	377.46	11.608	447.62
2d quarter	103,089	422.37	62,530	327.46	4,687	359.51	34.242	593.07
3d quarter	109,752	416.20	58.330	305.07	5,768	355.41	40,112	577.86
4th quarter	102.303	354.76	62.587	267.23	3,531	327.39	32.393	474.21
1986 total and average value	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 quaner	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
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	69.587	577.98
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:								
1st quarter	26.204	436.13	12.823	347.50	3,444	392.86	8,592	574.72
2d quarter	92,977	446.14	56,156	346.59	1,909	385.02	33.282	607.27
3d quarter	91,160	446.89	45.992	318.66	2.202	358.76	37,444	605.06
4th quarter	63.500	445.96	39.027	331.21	1.171	373.19	24,510	576.66
1986 total and average value	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	548.25	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	91.818	650.17	44.031	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
To People's Republlc 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:								
1st quarter	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--
1986 total and average value	0	--	0	--	0	--	0	--
1987:								
1st quarter	n	--	0	--	0	--	0	--
2d quarter	7.55'1	352.32	461	299.35	0	--	7.106	355.76
3d quarter	4,375	253.54	0	--	0	--	4,375	253.49
4m quarter	7,660	264.88	1.600	150.00	0	--	6,060	295.21
1907 total and average value	19.602	296.09	2,061	183.41	0	--	17.541	309.33

Source: U.S. Department of Commerce. The valuation deflnttlon used In the export statlstics 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 complied from Department of Commerce records at the end of each quarter.

Table 25—Volume and value of hardwood log exports from customs districts of Seattle, Columbia-Snake, Anchorage, and San Francisco, 1976-87

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

Year and quarter	Seattle Customs Dlstrlct		Coiumbla-Snake Customs District		Anchorage Customs District		San Franclsco Customs District	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
To all countries								
1976	3,750	1.646.972	236	136.188	0	–	659	1,239,777
1977	2,735	2.117.386	189	87.839	0	--	1,396	2.751.996
1978	2,362	2.190.449	75	91.486	11	19,250	1,772	4.088.466
1979	2,597	2,216,256	341	420.741	138	253,716	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	31	52,163	302	650,290
1985	4,024	3.826.934	1.090	1.284.289	*0*	–	234	327,511
1986:								
1st quarter	2,777	2.798.454	1,306	845.636	*0*	--	33	58.393
2d quarter	2,604	3,080.777	185	179.507	*0*	--	67	106,276
3d quarter	707	851.340	107	173,144	31	13,000	129	71,900
4th quarter	1,515	1,672,294	115	92.734	*0*	–	53	82.482
1986 total	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	0	--	791	715,972
4th quarter	4.676	3,145,555	1.264	568.121	*29*	20.784	1.262	859.394
1987 total	15,714	12.177.370	2,121	1,446,883	29	20.784	2,172	1.817.232
To Japan								
1976	3,313	1,416,317	235	134.988	*0*	--	456	1,005,649
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	74	188.389	1,059	2.339.089
1980	4.786	1.969.245	1,964	726.891	182	42.200	579	1.542.996
1981	2.037	2.162.473	229	264,161	0	--	310	
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:								
1st quarter	947	728.313	1.286	838,036	0	–	0	–
26 quarter	998	1,505,964	106	162,257	0	–	0	--
3d quarter	61	119,751	87	165,644	0	--	0	–
4th quarter	627	675.146	90	54.180	0	--	32	53,570
1986 total	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	843	712.908	29	20.784	262	234,600
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:								
1st quarter	0	--	0	–	*0*	--	0	--
2d quarter	0	--	*0*	–	*0*	--	*0*	--
3d quarter	7	15,900	0	–	*0*	--	*0*	--
4th quarter	0	--	0	–	*0*	--	*0*	--
1986 total	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*	--

Source: US. Department of Commerce. The valuation definition used In the export statistics Is the value at the seaport or border port of exportation. It Is based on the selling price (or cost if not sold) and Includes Inland freight, Insurance, and other charges to the port of exportatlon. Data are compiled from Department of Commerce records at the end of each quarter. Seattle Customs District Includes ail coastal and inland ports In the State of Washington, except Longview and Vancouver. Columbia-Snake Customs Distrlct Includes all Oregon ports and Longvlew and Vancouver, Washington. Anchorage Customs Dlstrict Is the State of Alaska. San Franclsco Customs Dlstrlct includes Monterey and all ports north of Monterey. California.

Table 26--Volume of log exports from southern California ports by species, 1976-87

(In thousand board feet, Scribner scale)

Year and quarter	Total	Douglas-fir	Other softwoods	Hardwoods
1976	2,396	1,411	670	315
1977	1,360	169	411	780
1978	1,721	172	917	632
1979	2,117	290	359	1,468
1980	1,149	295	610	244
1981	738	88	186	464
1982	797	281	211	305
1983	674	0	31	643
1984	2,618	4	624	1,990
1985	1.992	9	779	1.204
1986:				
1st quarter	1,989	67	869	1,053
2d quarter	1,569	8	338	1,223
3d quarter	982	0	238	744
4th quarter	1,268	0	706	562
1986 total	5,808	75	2,151	2,582
1987:				
1st quarter	1,558	0	561	997
2d quarter	2,859	1,480	1,017	362
3d quarter	7,685	4,915	1,979	791
4th quarter	1,959	--	458	1,501
1987 total	14,061	6,395	4,015	3,651

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 27--Volume and average value of softwood log exports to Canada from the Great Falls Customs District, 1976-87 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
1976	571	228.43	103	254.08	468	222.78
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:						
1st quarter	88	241.92	0	--	88	241.92
2d quarter	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--
4th quarter	17	484.53	17	484.53	0	--
1986 total and average value	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

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 28–Log exports from British Columbia ports by species and destination, 1976-87 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				
1976	116,193	5,390	39,069	21,901	41,959	3,346	4,528
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,i 35	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:							
1st quarter	133,715	2,852	68,888	1,661	25,590	30,977	3,747
2d quarter	151,206	230	76,812	2,255	39,320	18,237	14,352
3d quarter	163,843	871	90,467	2,481	28,872	39,127	2,025
4th quarter	120,608	0	63,608	448	25,694	30,502	356
1986 total	569.372	3,953	299,775	6,845	119.476	118.843	20.480
1987:							
1st quarter	157,442	868	91,619	303	23,281	31,675	9,696
2d quarter	125,424	942	55,975	1,349	22,302	39,875	4,981
3d quarter	235,128	4,181	105,772	2,521	36,122	74,380	12,152
4th quarter	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA
			To Japan				
1976	67,192	792	17,026	7,343	39,905	470	1,656
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	241,21 I	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:							
1st quarter	98,901	245	51,823	1,541	22,556	22,574	162
2d quarter	101,643	230	53,450	1,043	32,032	13,564	1,324
3d quarter	110,732	0	63,000	710	20,720	26,266	36
4th quarter	86,848	0	47,846	447	21,180	17,375	0
1986 total	398,124	475	216,119	3,741	96,488	79,779	1,522
1987:							
1st quarter	131,996	820	84,180	303	21,209	23,924	1,560
2d quarter	89,136	863	38,229	1,349	17,701	30,161	833
3d quarter	174,507	3,350	83,098	2,284	30,900	54,559	316
4th quarter	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA

Table 28–Log exports from British Columbia ports by species and destination, 1976-87 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				
1976	48.911	4,598	22,043	14,558	1,964	2,876	2,872
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	6,426	8,752	b/ 4,979
1985	95.515	1,004	30,073	12,961	23,988	25.124	2,365
1986:							
1st quarter	7,520	30	3,969	0	1,624	1,375	522
2d quarter	8.525	0	4,952	470	768	2.317	18
3d quarter	26,467	225	14,788	1,382	5,129	3,487	1,456
4th quarter	13,253	0	4,041	0	1,238	7,974	0
1986 total	55,765	255	27,750	1,852	8,759	15,153	1,996
1987							
1st quarter	1,826	0	0	0	544	749	533
2d quarter	1,915	0	350	0	20	1,208	337
3d quarter	13,031	0	5,985	175	765	6,106	0
4th quarter	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA
			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:							
1st quarter	19,529	2,487	7,568	0	23	6,615	2,836
2d quarter	39,899	0	18,732	5	6,477	1,891	12,794
3d quarter	14,473	646	7,676	0	2,011	4,140	0
4th quarter	6,712	0	4,866	0	431	1,415	0
1986 total	80,613	3,133	38.842	5	8,942	14,061	15,630
1987:							
1st quarter	16,627	48	5,369	0	161	4,780	6,269
2d quarter	20,993	79	8,417	0	197	7,453	4,847
3d quarter	28,170	133	5,731	0	1,006	9,971	11,329
4th quarter	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA

a/ Does not include shipments of pulpwood logs.

b/ Does not include all hardwoods.

NA = not available.

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

Table 29—Volume and average value of softwood log imports of all species from Canada into Washington and Oregon, 1976-87

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

Year and quarter	Volume	Average value
1976	44,438	122.62
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:		
1st quarter	237	311.74
2d quarter	6,619	78.64
3d quarter	16,978	107.60
4th quarter	4,030	474.13
1986 total and average value	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

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 30—Volume and average value of pulpwood imports from Canada into the Seattle Customs District, 1976-87

Year and quarter	Chipped pulpwood		Roundwood pulpwood	
	Volume	Average value	Volume	Average value
	Short tons a/	Dollars	Cords b/	Dollars
1976	877,550	20.98	1,967	32.14
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:				
1st quarter	199,189	25.36	0	--
2d quarter	245,552	22.25	0	--
3d quarter	84,543	25.41	85	124.73
4th quarter	172,302	32.02	0	--
1986 total and average value	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

a/ Dry weight basis.

b/ Green weight basis.

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

Table 31—Volume and average value of chips exported from the Seattle, Columbia-Snake, San Francisco, and Anchorage Customs Districts, 1976-87

(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
1976	457,801	33.39	2,881,577	39.90	366,678	34.76	107,652	37.89
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	00.44	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:								
1st quarter	91,810	81.31	325,281	73.95	58,494	68.64	0	--
2d quarter	58,676	75.47	407,330	72.12	60,473	75.86	0	--
3d quarter	111,582	74.58	376,420	73.23	71,434	68.98	0	--
4th quarter	184,158	69.48	468,708	69.62	66,580	73.81	0	--
1986 total and average value	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

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 32—Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 a/

(In thousand board feet)

Year and quarter	From both customs districts				From Seattle Customs Dlstrict				From Columbia-Snake Customs District			
	Totai	Douglas-flr	Western hemlock	Other soft-woods	Total	Douglas-flr	Western hemlock	Other soft-woods	Total	Douglas-flr	Western hemlock	Other soft-woods
					To all countrles							
1976	698.941	478.100	145,645	75,196	311,599	155,041	94.581	61.977	387.342	323,059	51,064	13,219
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	1,022,055	512,979	295.409	213,667	552.677	152.294	223,292	177,091	469.378	360.685	72,117	36.576
1984	949.509	496.419	257.628	195,462	423.477	121,404	161,660	140.413	526.032	375,015	95.968	55.049
1985	905,936	426,536	302.144	177,256	424.322	105.742	184,465	134,115	481,614	320.794	117.679	43,141
1986:												
1st qtr.	280.339	121.806	107,104	51,429	159.847	41,143	77,316	41.388	120,492	80.663	29.788	10.041
2d qtr.	278.813	119,914	104.822	54.077	176.876	47,772	82.336	46.768	101,937	72.142	22.486	7.309
3d qtr.	256,332	96,753	96.261	63.318	180.585	48,901	76,374	55,310	75,747	47.852	19.887	8.008
4th qtr.	336,045	125.875	144,423	65,747	230,003	55,522	119,438	55,043	106.042	70.353	24.985	10.704
1986 total	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.	R337.968	R155.634	R121.925	R60.409	R211.908	R60.437	R102.132	R49.339	R126.060	R95.197	R19.793	11,070
2d qtr.	R335.127	R154.375	R116.563	R64.189	R211.401	R55.712	R101.144	R54,545	R123.726	R98.663	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
					To Japan							
1976	186.628	68.927	107.884	9.817	127.553	39,430	80.891	7.232	59.075	29.497	26,993	2.585
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:												
1st qtr.	156.889	32.239	100,191	24,459	100,505	13.155	70.948	16.402	56.384	19.084	29.243	8.057
2d qtr.	154,721	30.226	98.747	25.748	114,917	17.523	77.057	20.337	39.804	12.703	21,690	5,411
3d qtr.	147.202	25.181	88.508	33,513	113,675	17,539	69,241	26.895	33.527	7,642	19,267	6.618
4th qtr.	213,597	41.739	137.082	34,776	168.411	29.894	112,499	26.018	45,186	11.845	24,583	8.758
1986 total	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.	R190.041	45,433	R113.710	30.898	R151.550	34,141	R94.224	23,185	38.491	11.292	19.486	7.713
2d qtr.	R172.087	R34.436	107.403	30.248	R145,610	R28.939	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	120.832	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

Table 32--Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 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												
1976	101.633	50.327	6.737	44.569	101,633	50,327	6.737	44.569	0	0	0	0
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	117.930	69.813	9.241	38.876	39	39	0	0
1979	113,977	38,917	18.870	56.190	113.977	38,917	18,870	56.190	0	0	0	0
1980	159.658	54.876	26.325	78.457	159.658	54,876	26.325	78.457	0	0	0	0
1981	213,594	91.861	20.598	101.135	213.594	91.861	20,598	101,135	0	0	0	0
1982	120,189	50,773	11,127	58,289	120.189	50.773	11.127	58.289	0	0	0	0
1983	170.763	72.133	9.733	88.897	170,763	72,133	9.733	88.897	0	0	0	0
1984	109,979	45.625	7,559	56,795	109.979	45,625	7,559	56.795	0	0	0	0
1985	118.951	52.845	6.127	59.979	118.955	52.830	6.127	59,979	15	15	0	0
1986:												
1st qtr.	37,541	15,600	1.762	20.179	37.541	15.600	1,762	20,179	0	0	0	0
2d qtr.	37,118	14.904	2,406	19,808	37.118	14,904	2,406	19,808	0	0	0	0
3d qtr.	40.204	14.372	3.359	22.473	40.204	14.372	3.359	22,473	0	0	0	0
4th qtr.	36,146	14,298	2.421	19.427	36,146	14,298	2,421	19,427	0	0	0	0
1986 total	151,009	59.174	9.948	81.887	151,009	59,174	9.948	81.887	0	0	0	0
1987:												
1st qtr.	R36.236	R12,764	R2.701	R20.771	R36.236	R12,764	R2.701	R20.771	0	0	0	0
2d qtr.	R41,606	R13.597	R2.685	R25,324	R41.606	R13,597	R2.685	R25.324	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
To People's Republic of China												
1981	9,041	8.829	20	192	335	123	20	192	8.706	8.706	0	0
1982	2,240	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:												
1st qtr.	5,282	3.026	2.178	78	2.178	0	2.178	0	3,104	3.026	0	78
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.	0	0	0	0	0	0	0	0	0	0	0	0
1986 total	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

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

R = revised.

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

Table 33—Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 a/

(In thousands of dollars)

Year and quarter	From both customs districts				From Seattle Customs District				From Columbia-Snake Customs District			
	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods	Total	Douglas-fir	Western hemlock	Other soft-woods
To all countries												
1976	222.687	167,584	32,064	23,038	81.086	43,462	20,526	17,099	141,600	124,722	11.538	5.940
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	18.552	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	21,550
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:												
1st qtr.	93,488	45.614	31.787	16.087	49.775	14.267	23,344	12,164	43,713	31,347	8.443	3,923
2d qtr.	102,922	50.914	33,391	18.617	59.288	17.387	26,170	15,731	43.634	33.526	7.221	2,886
3d qtr.	91,046	39.724	29,858	21,464	58,771	16,029	24,609	18.133	32,275	23.695	5.249	3.331
4th qtr.	126,477	55,390	48,081	23,006	78.051	19.630	39.930	18.490	48,426	35.760	8.151	4,516
1986 total	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.	R131.856	R69.140	R42.478	FQ0.238	R73.077	R21.445	R35.941	R15.691	R58.779	R47.695	R6.537	4.547
2d qtr.	R129.953	R69.838	R39.372	FQ0.743	R70.754	R20.152	R34.131	R16,471	R59,199	R49.686	R5.241	R4.272
3d qtr.	R140.888	60,354	52.852	R27.682	R82.323	21.648	41.381	R19.294	R58,565	38.706	11.471	R8.388
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
To Japan												
1976	41,200	14,127	23,623	3,450	28.549	9.155	16.957	2.438	12.651	4.973	**6,666**	1,012
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:												
1st qtr.	48.071	10.068	29.575	8.427	31,156	4,294	21,322	5.540	16,915	5.774	8.253	2.887
2d qtr.	51.872	10,729	31,117	10,026	38.622	6,322	24.109	8.191	13,250	4,407	7.008	1,835
3d qtr.	48.784	8,450	27,145	13.188	38.083	**5.409**	22,084	10,590	10,701	3,042	5.062	2.598
4th qtr.	73.576	15,219	45,222	13,135	57.443	10.480	37,256	9.707	16.133	4.738	7.966	3.428
1986 total	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.	R66.288	15,662	R39.124	R11.501	R53,400	11.954	R32.735	8.711	R12.888	3.709	6.389	2,790
2d qtr.	R60.120	R12.971	R36.158	R10.991	R50,633	R10.956	31,152	R8.525	9.487	R2.015	R5,006	2.466
3d qtr.	R82,501	19.397	47,431	R15.673	R65.068	14.557	39,135	R11.376	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

Table 33—Value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 a/ (continued)

(In thousands of dollars)

Year and quarter	From both customs dlstrlcts				From Seattle Customs Dlstrlct				From Columbia-Snake Customs Dlstrlct			
	Total	Douglas-flr	Western hemlock	Other soft-woods	Total	Douglas-flr	Western hemlock	Other soft-woods	Total	Douglas-flr	Western hemlock	Other soft-woods
To Canada												
1976	24,725	12.949	1,654	10,122	24,725	12,949	1,654	10,122	0	0	0	0
1977	18.087	9.429	1.006	7,652	18.087	9,429	1,006	7,652	0	0	0	0
1978	21,979	10,632	2,227	9.120	21.958	10,611	2.227	9,120	21	21	0	0
1979	37.986	14,959	6.249	16,777	37.986	14,959	6.249	16,777	0	0	0	0
1980	42,096	15,679	6.649	19.763	42,096	15,679	6.649	19.768	0	0	0	0
1981	58,031	27,433	6,200	24,397	58.031	27.433	6,200	24,397	0	0	0	0
1982	31,671	13,648	3,536	14,505	31,671	13.648	3,536	14,505	0	0	0	0
1983	44.175	20.039	3,297	20,838	44.175	20.039	3,297	20,838	0	0	0	0
1984	31.348	13.068	2.534	15,745	31,348	13.068	2.534	15,745	0	0	0	0
1985	31.657	15.738	2,098	13.821	31.648	15.729	2.098	13.821	9	9	0	0
1986:												
1st qtr.	10,029	4.993	625	4,411	10,029	4,993	625	4,411	0	0	0	0
2d qtr.	10,208	4.861	846	4.502	10,208	4.861	846	4,502	0	0	0	0
3d qtr.	10.694	4,749	1.016	4.929	10,694	4,749	1.016	4.929	0	0	0	0
4th qtr.	9.651	4.584	840	4.227	9,651	4,584	840	4.227	0	0	0	0
1986 total	40.582	19,187	3,327	18.069	40.582	19.187	3,327	18,069	0	0	0	0
1987:												
1st qtr.	R9.652	R4.134	R989	R4.529	R9.652	R4.134	R989	R4.529	0	0	0	0
2d qtr.	R10.787	R4.532	R968	R5,287	R10.787	R4.532	R968	R5,287	0	0	0	0
3d qtr.	10,192	3.836	845	5,511	10,192	3.836	845	5,511	0	0	0	0
4th qtr.	12,169	6.180	1,150	4.839	12.169	6,180	1.150	4.839	0	0	0	0
1987 total	42.800	18.682	3,952	20,166	42.800	18.682	3.952	20.166	0	0	0	0
To People's Republic of Chlna												
1981	2.566	2,531	15	20	91	55	15	20	2,475	2,475	0	0
1982	577	577	0	0	0	0	0	0	577	577	0	0
1983	2.381	2,381	0	0	0	0	0	0	2.381	2.381	0	0
1984	11.914	8,923	2	2.989	0	0	0	0	11.914	8.923	2	2.989
1985	4.784	3,669	732	383	41	0	0	41	4,743	3,669	732	341
1986:												
1st qtr.	1.077	655	407	16	407	0	407	0	670	655	0	16
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.	0	0	0	0	0	0	0	0	0	0	0	0
1986 total	1.077	655	407	16	407	0	407	0	670	655	0	16
1987:												
1st qtr.	0	0	0	0	0	0	0	0	0	0	0	0
2d qtr.	2,548	2.548	0	0	0	0	0	0	2.548	2,540	0	0
3d qtr.	R69	0	0	R69	R69	0	0	R69	0	0	0	0
4th qtr.	175	87	0	88	175	87	0	88	0	0	0	0
1987 total	2,792	2,635	0	157	244	87	0	157	2.548	2,548	0	0

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

a/ Includes lumber classified as rallroad crossties and not specified by specks.

R = revised.

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

Table 34--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 *a/*

(In dollars per thousand board feet)

Year and quarter	From both customs dlstrlcts				From Seattle Customs Dlstrlct				From Columbla-Snake Customs Dlstrlct			
	Total	Douglas-flr	Western hemlock	Other soft-woods	Total	Douglas-flr	Western hemlock	Other soft-woods	Total	Douglas-flr	Western hemlock	Other soft-woods
To all countrles												
1976	318.61	350.52	220.15	306.30	260.23	280.33	217.02	275.88	365.57	384.21	225.95	449.34
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:												
1st qtr.	333.48	374.48	296.79	312.80	311.39	346.77	301.93	293.90	362.79	388.62	283.44	390.70
2d qtr.	369.14	424.59	318.55	344.27	335.20	363.96	317.84	336.36	428.05	464.72	321.13	394.86
3d qtr.	355.19	410.57	310.18	338.99	325.45	327.78	322.22	327.84	426.09	495.17	263.94	415.96
4th qtr.	376.37	440.04	332.92	349.92	339.35	353.55	334.32	335.92	456.67	508.29	326.24	421.90
1986 average	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.	R390.14	R444.25	R348.39	R335.02	R344.85	R354.83	R351.91	R318.02	R466.28	R501.01	R330.27	410.75
2d qtr.	R387.77	R452.39	R337.77	R323.16	R334.69	R361.72	R337.45	R301.97	R478.47	R503.59	R339.91	R442.97
3d qtr.	R386.09	447.60	348.75	R352.53	R355.62	394.89	352.62	R325.26	R438.95	483.71	335.45	R436.72
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
To Japan												
1976	220.76	204.96	218.97	315.40	223.82	232.17	209.63	337.05	214.14	168.59	246.94	391.56
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	310.60	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:												
1st qtr.	306.40	312.29	295.19	344.54	309.99	326.42	300.53	337.76	300.00	302.56	282.22	358.32
2d qtr.	335.26	354.96	315.12	389.39	336.09	360.78	312.87	402.76	332.88	346.93	323.10	339.12
3d qtr.	331.41	335.57	306.70	393.52	335.02	308.40	318.94	393.75	319.18	398.06	262.73	392.57
4th qtr.	344.46	364.62	329.89	377.70	341.09	350.57	331.17	373.09	357.04	400.00	324.05	391.41
1986 average	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.	R348.81	344.73	R344.07	R372.22	R352.36	350.14	R347.42	375.72	R334.83	328.46	327.88	361.73
2d qtr.	R349.36	R376.67	R336.66	R363.36	R347.73	R378.59	335.82	R356.58	358.31	R366.56	R341.94	388.96
3d qtr.	R371.95	422.53	347.26	R398.64	R372.08	420.01	351.71	R392.98	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	414.83
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

Table 34--Average value of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1976-87 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												
1976	243.28	257.29	245.57	227.11	243.28	257.29	245.57	227.11	--	--	--	--
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:												
1st qtr.	267.15	320.06	354.71	218.59	267.15	320.06	354.71	218.59	--	--	--	--
2d qtr.	275.01	326.15	351.62	228.28	275.01	326.15	351.62	227.28	--	--	--	--
3d qtr.	265.99	330.43	302.47	219.33	265.99	330.43	302.47	219.33	--	--	--	--
4th qtr.	267.00	320.60	346.96	217.58	267.00	320.60	346.96	217.58	--	--	--	--
1986 average	268.74	324.25	334.44	220.66	268.74	324.25	334.44	220.66	--	--	--	--
1987:												
1st *qtr.*	R266.36	R323.88	R366.16	R218.04	R266.36	R323.88	R366.16	R218.04	--	--	--	--
2d qtr.	R259.27	R333.31	R360.52	R208.77	R259.27	R333.31	R360.52	R208.77	--	--	--	--
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	298.32	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	--	--	--	--
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:												
1st qtr.	203.90	216.46	186.87	205.13	186.87	--	186.87	--	215.85	216.46	--	205.13
2d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
3d qtr.	--	--	--	--	--	--	--	--	--	--	--	--
4th qtr.	--	--	--	--	--	--	--	--	--	--	--	--
1986 average	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.	R579.83	--	--	R579.83	R579.83	--	--	R579.83	--	--	--	--
4th qtr.	341.80	439.39	--	280.25	341.80	439.39	--	280.25	--	--	--	--
1987 average	301.28	293.28	--	362.59	386.69	439.39	--	362.59	295.04	295.04	--	--

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

R = revised.

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

Table 35--Volume of softwood lumber exports from northern California ports by species and destination, 1976-87 a/

(In thousand **board** *feet)*

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
		To all countrles		
1976	40.585	14,430	462	25.693
1977	44,438	18.951	1,137	24,350
1978	32.919	12,931	684	19,304
1979	30.832	10,539	1.498	18.795
1980	34,603	10,531	3,777	20,295
1981	47,315	7.841	12,037	27,437
1982	52,717	13.855	7.536	31.326
1983	43.280	18.583	5,619	19.078
1984	23,203	10.250	617	12,336
1985	32.921	15,340	867	16,714
1986:				
1st quarter	12.768	6.899	542	5,327
2d quarter	8.188	4,085	879	3,224
3d quarter	8.484	1.936	1,152	5.396
4th quarter	13,841	3.875	2,341	7,625
1986 total	43.281	16,795	4.914	21.572
1987:				
1st quarter	12.230	3,190	1,747	7.293
2d quarter	15,233	4,135	1,425	9,673
3d quarter	15,450	3,914	2,260	9,276
4th quarter	28.816	7.590	2.557	19,669
1987 total	72,729	18.829	7.989	45,911
		To Japan		
1976	5,724	168	396	5,160
1977	7.766	1.354	0	6,412
1978	6.763	107	200	6.456
1979	8.854	0	700	8.154
1980	17.384	1,160	3.256	12.968
1981	29,437	2,608	11,834	14.995
1982	38.213	7.285	6.581	24.347
1983	22.157	2,233	5.414	14,510
1984	10.127	345	321	9,461
1985	14,794	282	708	13.804
1986:				
1st quarter	5,019	26	505	4.400
2d quarter	3.621	0	879	2.742
3d quarter	5.783	30	1,152	4.601
4th quarter	9,228	170	2,341	6.717
1986 total	23,651	226	4.877	18.548
1987:				
1st quarter	7,675	106	1.186	6.383
2d quarter	10.429	36	1,399	8.994
3d quarter	10.611	0	2.260	8.351
4th quarter	20,512	364	2.510	17,638
1987 total	49,227	506	7,355	41.366
		To People's Republic *of* China		
1981	93	0	0	93
1982	22	17	0	5
1983	0	0	0	*0*
1984	0	0	*0*	*0*
1985	0	0	0	*0*
1986:				
1st quarter	*0*	*0*	*0*	*0*
2d quarter	*0*	*0*	0	*0*
3d quarter	*0*	*0*	*0*	*0*
4th quarter	0	*0*	*0*	*0*
1986 total	*0*	*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*	*0*	*0*	*0*
1987 total	*0*	*0*	*0*	*0*

a/ Northern California consists of the San Francisco Customs Distrlct and includes Monterey. California. and all ports north of Monterey.

Source: **U.S.** Department *of* Commerce.

Table 36--Volume of softwood lumber exports from southern California ports by species and destination, 1976-87 a/

(in thousand board feet)

Year and quarter	Total	Douglas-fir	Other softwoods
	To all countries		
1976	61,256	23,078	38,178
1977	72,588	26,895	45,693
1978	74,347	27,661	46,686
1979	81,372	20,388	60,984
1980	95,641	24,830	70,811
1981	109,451	18,809	90,642
1982	71,212	7,491	63,721
1983	35,727	2,603	33,124
1984	78,696	2,979	75,717
1985	95,935	2,067	93,868
1986:			
1st quarter	27,261	528	26,733
2d quarter	29,803	547	29,256
3d quarter	27,336	623	26,713
4th quarter	34,073	825	33,248
1986 total	118,473	2,523	115,950
1987:			
1st quarter	36,699	178	36,521
2d quarter	33,095	325	32,770
3d quarter	42,458	375	42,083
4th quarter	40,502	270	40,232
1987 total	152,754	1,148	151,606
	To Japan		
1976	377	--	377
1977	172	73	99
1978	471	--	471
1979	739	--	739
1980	2,330	237	2,093
1981	1,477	360	1,117
1982	290	12	278
1983	2,699	22	2,677
1984	410	0	410
1985	149	0	149
1986:			
1st quarter	15	0	15
2d quarter	18	0	18
3d quarter	11	0	11
4th quarter	123	0	123
1986 total	167	0	167
1987:			
1st quarter	33	0	33
2d quarter	252	10	242
3d quarter	93	0	93
4th quarter	268	11	257
1987 total	646	21	625

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 37--Volume and average value of softwood lumber exports from Anchorage Customs District by species and destination, 1978-87

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

Year and quarter	Total		Western hemlock		Sitka spruce		Cedar		Other softwoods	
	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value	Volume	Average value
To all countries										
1978	237.764	289.21	126.218	252.78	111,435	330.44	53	415.09	58	241.38
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	--
1905	87.127	264.94	59,426	219.80	27,701	361.76	*0*	--	0	--
1906:										
1st quarter	38.824	274.44	22.859	240.52	14,884	326.12	0	--	1,081	280.30
2d quarter	24.418	248.59	14,923	215.91	8.478	294.41	0	--	99	373.74
3d quarter	24.148	268.72	17,634	237.67	6,375	354.04	918	343.14	139	287.77
4th quarter	32.591	297.44	17.478	236.70	13,425	373.48	0	--	1.688	321.09
1986 total	119,981	267.40	72.894	233.89	43.162	338.75	918	343.14	3,007	306.62
1987:										
1st quarter	21.248	258.38	14.837	222.62	6,140	340.88	10	300.00	261	344.83
2d quarter	35.342	278.71	20,533	216.24	14,602	366.39	0	--	207	294.69
3d quarter	31,949	277.66	19,743	232.28	10,770	355.80	0	--	1.436	315.46
4th quarter	44,605	329.16	25,140	279.51	17.573	403.23	0	--	1.892	300.74
1907 total	133.144	292.11	80.253	241.19	49.085	374.07	10	300.00	3,796	309.01
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	--
1962	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	277.61	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:										
1st quarter	38.824	274.44	22.859	240.52	14.884	326.12	0	--	1.081	280.30
2d quarter	23,426	244.60	14,923	215.91	8,478	294.41	0	--	25	480.00
3d quarter	24.127	267.83	17.634	237.67	6,354	351.12	0	--	139	287.77
4th quarter	32.565	297.47	17.478	236.70	13.425	373.48	0	--	1,662	322.50
1986 total	118.942	273.53	72.894	233.89	43.162	338.14	0	--	2,907	306.50
1987:										
1st quarter	21,220	258.15	14.837	222.62	6,140	340.88	0		243	333.33
2d quarter	34.118	278.89	19.598	214.00	14,352	367.82	0		168	250.00
3d quarter	31.821	277.40	19.743	232.28	10,770	355.80	0		1.308	312.69
4th quarter	43,519	322.16	25,140	279.51	16,657	389.33	0		1,722	295.01
1987 total	130,678	289.57	79.318	240.94	47,919	369.14	0		3.441	301.95
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:										
1st quarter	*0*	--	*0*	--	*0*	--	*0*		0	--
2d quarter	*0*		*0*	--	*0*	--	*0*		*0*	--
3d quarter	*0*	--	*0*	--	*0*	--	0	--	0	--
4th quarter	*0*	--	*0*	--	*0*	--	*0*	--	0	--
1986 total	0	--	0	--	0	--	0	--	0	--
1987:										
1st quarter	0	--	0	--	0	--	0	--	0	--
2d quarter	0	--	0	--	0	--	0	--	0	--
3d quarter	0	--	0	--	0	--	0	--	0	--
4th quarter	0	--	0	--	0	--	0	--	0	--
1987 total	0		0	--	*0*	--	*0*	--	*0*	--

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

Table 38--Volume of softwood lumber exports to Canada from the Great Falls Customs District, 1976-87 a/

(In thousand board feet)

Year and quarter	Total	Douglas-fir	Western hemlock	Other softwoods
1976	56,451	19,050	3,521	33,880
1977	46,488	12,660	3,463	30,365
1978	44,612	12,691	2,276	29.645
1979	81,671	22,067	1,632	57,972
1980	57,556	14,030	1,803	41,723
1981	82,933	18,196	1,308	63,429
1982	47,418	8,595	690	38,133
1983	69,222	12,534	852	55,836
1984	57,574	7,898	683	48,993
1985	34,526	8,582	394	25,550
1986:				
1st quarter	9,152	1,958	46	7,148
2d quarter	8,884	2,377	285	6,222
3d quarter	9,003	1,907	264	6,832
4th quarter	7,434	1,971	182	5,281
1986 total	34,473	8,213	777	25,483
1987:				
1st quarter	8,294	2,164	94	6,036
2d quarter	8,303	2,072	39	6,192
3d quarter	8.004	2,511	182	5,311
4th quarter	6,714	3,106	74	3,534
1987 total	31,315	9,853	389	21,073

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

Source: U.S. Department of Commerce.

Table 39—Lumber exports from British Columbia ports by species and destination, 1976-87

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
			To all countries				
1976	4,670,033	542,197	1,967,446	467,829	1,191,429	499,853	1,279
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	41,413,690	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:							
1st quarter	1,580,036	125,294	583,986	223,389	47,355	599,364	648
2d quarter	1,844,791	186,206	685,894	275,193	47,094	649,871	533
3d quarter	1,379,325	137,637	498,954	215,679	31,779	494,852	424
4th quarter	913,294	57,152	293,172	147,788	37,444	377,364	374
1986 total	5,717,446	506,289	2,062,006	862,049	163,672	2,121,451	1,979
1987:							
1st quarter	1,845,655	159,866	565,511	246,821	69,178	803,164	1,115
2d quarter	1,929,554	170,123	679,343	270,334	40,705	768,005	1,044
3d quarter	1,951,692	182,463	626,165	239,358	48,469	854,308	929
4th quarter	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA
			To Japan				
1976	633,863	13,727	476,927	79,934	61,743	1,521	11
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:							
1st quarter	246,869	8,536	155,444	31,720	19,418	31,733	18
2d quarter	267,870	19,549	148,395	41,196	25,025	33,657	48
3d quarter	214,259	16,355	112,151	34,079	20,678	30,890	106
4th quarter	189,621	11.630	76,646	34,215	29,363	37,618	149
1986 total	918,619	56,070	492,636	141,210	94,484	133,898	321
1987:							
1st quarter	268,376	23,334	144,772	20,202	23,375	56,433	260
2d quarter	330,377	25,273	191,220	26,043	28,687	58,890	264
3d quarter	332,898	21,249	193,916	32,414	25,477	59,457	385
4th quarter	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA

Table 39—Lumber exports from British Columbia ports by species and destination, 1976-87 (continued)

(In thousand board feet)

Year and quarter	Total, all species	Douglas-fir	Hemlock	Cedars	Spruces	Other softwoods	Hardwoods
			To United States b/				
1976	2,965,011	322,793	978,784	267,831	938,185	456,237	1,181
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:							
1st quarter	1,050,010	67,103	301,512	170,034	27,019	482,712	630
2d quarter	1,257,900	117,029	382,338	210,653	21,014	526,393	473
3d quarter	978,051	102,139	309,693	165,054	9,587	391,279	299
4th quarter	539,097	24,246	166,471	103,331	5,544	239,280	225
1986 total	3,825,058	310,517	1,160,014	650,072	63,164	1,639,664	1,627
1987:							
1st quarter	1,093,631	75,172	229,812	193,396	43,080	551,619	552
2d quarter	1,352,491	83,034	403,873	234,469	8,265	622,260	590
3d quarter	1,274,203	111,305	279,194	184,262	20,031	678,937	474
4th quarter	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA
			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:							
1st quarter	16,470	0	16.092	0	0	378	0
2d quarter	12,850	0	12,850	0	0	0	0
3d quarter	5,092	0	5,092	0	0	0	0
4th quarter	5,805	0	5,885	0	0	0	0
1986 total	40,297	0	39,919	0	0	378	0
1987:							
1st quarter	5,297	0	5,264	10	0	0	23
2d quarter	7,150	0	7,150	0	0	0	0
3d quarter	9,841	0	9,841	0	0	0	0
4th quarter	NA	NA	NA	NA	NA	NA	NA
1987 total	NA	NA	NA	NA	NA	NA	NA

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

b/ Figures do not include shipments of railroad crossties.

NA = not available.

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

Table 40--Volume of plywood exports from Seattle and Columbia-Snake Customs Districts by destination, 1978-87

(In thousand square feet)

Year and quarter	From both customs districts		From Seattle Customs District		From Columbia-Snake Customs District	
	Softwood, 3/8-inch bask	Hardwood, surface measure	Softwood, 3/8-inch basls	Hardwood, surface measure	Softwood, 3p-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
1981	327,967	18.645	65,729	17.333	262.238	1.312
1982	221.609	9.435	36.268	9,346	185.347	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:						
1st quarter	62.589	1.200	3.650	1,200	58.939	0
2d quarter	42.842	2.625	3.153	2.298	39.689	327
3d quarter	32,065	2.614	3.854	2,614	28.211	0
4th quarter	66.740	6.783	75,724	6.163	51,016	20
1986 total	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
To Japan						
1978	2,821	18	167	18	2,654	0
1979	6,040	108	931	108	5,109	0
1980	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:						
1st quarter	1,966	0	540	0	1,426	*0*
2d quarter	1,803	24	506	24	1,297	*0*
3d quarter	2,197	0	61	0	2,136	*0*
4th quarter	1,678	15	170	15	1,508	*0*
1986 total	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
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:						
1st quarter	57,788	*0*	1,325	*0*	56,463	0
2d quarter	37,914	*0*	1,288	*0*	36,626	0
3d quarter	25,777	*0*	1,490	*0*	24,287	0
4th quarter	52,960	304	5,202	304	47,758	0
1986 total	174.439	304	9.305	304	165,134	0
1987:						
1st quarter	70,194	346	6.683	346	63.511	*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

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

Table 41—Volume of plywood exports from California, 1976-87 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
1976	19,696	10,085	92	4,681	5,111
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:					
1st quarter	8,979	1,467	15	1,896	3,601
2d quarter	8,453	1,473	511	3,828	2,641
3d quarter	5,607	321	14	3,507	1,765
4th quarter	4,524	970	8	1,746	1,800
1986 total	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

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 ail 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 42—Volume of veneer exports from Seattle and Columbia-Snake Customs Districts by destination, 1978-87

(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	189,980	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:						
1st quarter	48,560	8.600	28.087	8,600	20,473	0
2d quarter	84.607	18,857	65.960	10,857	18.647	0
3d quarter	94,092	15,661	83.991	14,629	10,101	1,032
4th quarter	106,539	20.961	93,304	19,047	13,235	1,914
1986 total	333.790	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
			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:						
1st quarter	16,601	76	0	76	16,601	0
2d quarter	46,112	1,333	31,621	1,333	14,491	0
3d quarter	9,846	2,827	1,723	1,795	8,123	1,032
4th quarter	21,831	5,788	18,437	4,797	3,394	991
1986 total	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
			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	8	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:						
1st quarter	4,916	1,272	1,044	1,272	3,872	0
2d quarter	4,141	266	214	266	3,927	0
3d quarter	1,978	415	0	415	1,978	0
4th quarter	11,278	0	2,029	0	9,249	0
1986 total	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	1.688	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

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 Longview and Vancouver, Washington. Data are compiled from Department of Commerce records at the end of each quarter.

Table 43—Volume of timber sold on publicly owned or managed lands, Montana and Idaho, 1982-87

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985	1986 Total	1986 4th qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Total
Montana:											
U.S. Forest Service a/	547,509	589,875	457,599	552,665	496,622	68,165	89,319	147,962	211,327	53,507	502,115
U.S. Bur. Land Manage. b/	6,265	16,375	4,647	7,940	10,259	2,416	115	1,088	5,491	1,002	7,696
U.S. Bur. Indian Affairs	17,198	13,136	23,891	19,671	22,172	557	9,128	10,447	5,370	3,535	28,480
State of Montana	25,470	23,553	22,095	23,280	26,083	6,364	12,913	10,142	15,326	17,233	55,614
Total	596,442	642,939	508,232	603,556	555,136	77,502	111,475	169,639	237,514	75,277	593,905
Idaho:											
US. Forest Service a/	687,320	686,650	674,122	704,023	649,631	101,250	115,452	246,009	239,616	53,671	654,748
US. Bur. Land Manage. b/	11,538	12,133	2,302	10,990	21,645	605	2,778	8,900	3,333	1,363	16,374
U.S. Bur. Indian Affairs	7,070	8,605	6,850	4,994	784	0	0	4,214	0	0	4,214
State of Idaho	38,727	82,674	181,552	127,863	191,842	14,381	50,387	85,403	59,500	19,975	215,265
Total	744,655	750,062	864,826	847,870	863,902	116,238	168,617	344,526	302,449	75,009	890,601
All public lands:											
U.S. Forest Service a/	1,234,829	1,276,525	1,131,721	1,256,688	1,146,253	169,415	204,771	393,971	450,943	107,178	1,156,863
U.S. Bur. Land Manage. b/	17,803	28,508	6,949	19,399	31,904	3,021	2.893	9,988	8,824	2,365	24,070
U.S. Bur. Indian Affairs	24,268	21,741	30,741	24,665	22,956	557	9,128	14,661	5,370	3,535	32,694
State of Montana	25,470	23,553	22,095	23,280	26,083	6,364	12,913	10,142	15,326	17,233	55,614
State of Idaho	38.727	82,674	181,552	127,863	191,842	14,381	50,387	85,403	59,500	19,975	215,265
Total	1,341,097	1,433,001	1,373,058	1,451,895	1,419,038	193,738	280,092	514,165	539,963	150,286	1,484,506

a/ Convertible products only.

b/ Does not include cull log sales.

Source: Respective agencies listed.

Table 44—Average stumpage prices of timber sold on publicly owned or managed lands, Montana and Idaho, 1982-87

(In dollars per thousand board feet)

Agency	1982	1983	1984	1985	1986 Average	1986 4th qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Average
Montana:											
U.S. Forest Service a/	29.80	33.97	27.12	23.30	22.16	28.89	30.83	38.06	36.93	32.58	35.71
U.S. Bur. Land Manage. b/	32.17	22.78	27.46	16.71	34.67	39.89	36.96	41.67	35.61	52.00	38.62
U.S. Bur. Indian Affairs	73.50	51.13	34.08	41.39	63.63	31.43	76.55	116.15	41.02	32.51	78.91
State of Montana	81.39	83.70	72.37	79.34	64.85	61.13	64.40	75.85	56.12	67.24	65.09
Average	33.28	35.86	29.42	25.97	26.05	31.90	38.47	45.15	38.23	40.77	40.57
Idaho:											
U.S. Forest Service a/	28.28	47.13	46.45	23.74	33.31	37.92	43.59	40.98	57.37	26.55	46.26
U.S. Bur. Land Manage. b/	26.71	75.56	96.26	40.25	24.70	57.43	22.70	21.93	41.81	111.45	33.56
U.S. Bur. Indian Affairs	78.79	78.71	82.36	55.09	94.71	--	-	79.58	--	-	79.58
State of Idaho	45.28	71.04	63.18	61.31	56.26	66.05	65.02	67.33	84.12	40.33	68.93
Average	29.62	50.41	50.38	29.80	38.25	41.50	49.65	47.50	62.46	31.77	51.66
All public lands:											
U.S. Forest Service a/	28.95	41.05	38.63	23.56	28.48	34.29	38.02	39.88	47.79	29.56	41.68
U.S. Bur. Land Manage. b/	28.63	45.24	50.25	30.07	27.91	43.40	23.27	24.08	37.95	86.26	35.18
U.S. Bur. Indian Affairs	75.04	62.04	44.84	44.16	64.70	31.43	76.55	105.64	41.02	32.51	79.00
State of Montana	81.39	83.70	72.37	79.34	64.85	61.13	64.60	75.85	56.12	67.24	65.09
State of Idaho	45.28	71.04	63.18	61.31	56.26	66.05	65.02	67.33	84.12	40.33	68.93
Average	31.25	43.88	42.62	28.21	33.48	37.66	45.20	46.72	51.80	36.28	47.23

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). Beginning in 1984, prices for stumpage on National Forest land are high bid value. Road costs and an allowance for salearea betterment are included in the bid.

b/ Does not include cull log prices.

Source: Respective agencies listed.

Table 45—Average stumpage prices for sawtimber sold on National Forests by selected species, Northern Region, 1976-87 *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
1976	23.00	56.80	91.40	16.70	42.20	9.60	45.80	52.90	9.30	35.40
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:										
1st quarter	42.40	52.50	107.20	45.00	41.30	78.00	110.50	26.50	45.80	49.90
2d quarter	31.70	153.40	88.00	50.00	72.90	56.60	149.20	56.60	38.80	53.90
3d quarter	64.30	137.90	146.40	44.80	45.90	116.10	140.50	51.90	46.70	60.90
4th quarter	40.60	61.00	193.40	42.80	47.60	46.70	69.30	37.60	24.20	42.80
1987 average	46.60	127.80	115.50	46.20	57.20	71.10	133.40	45.10	42.90	54.70

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

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

Table 46—Volume of timber sold on publicly owned or managed lands in California, 1982-87

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985	1986		1987				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service a/	1,617,664	1,786,681	1,490,204	1,606,346	1,472,112	213,093	445,747	534,884	411,678	235,344	1,627,653
U.S. Bur. Land Manage. b/	33,385	8,919	13,140	16,616	20,398	140	867	3,702	10,452	749	15,770
U.S. Bur. Indian Affairs	63,595	3,000	3,634	4,342	81,529	0	0	9,956	0	80	10,036
State of California	34.726	31,452	33,529	27,232	31,316	8,841	17,537	19,753	1,336	1,674	40,300
Total	1,749,370	1,830,052	1,540,507	1,656,536	1,605,355	222,074	464,151	568,295	423,466	237,847	1,693,759

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 47—Average stumpage prices of timber sold on publicly owned or managed lands in California, 1982-87

(In dollars per thousand board feet)

Agency	1982	1983	1984	1985	1986 Total	1986 4th qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Total
U.S. Forest Service a/ b/	53.87	70.68	61.08	56.35	71.84	97.54	110.96	119.16	102.55	100.53	110.02
U.S. Bur. Land Manage. c/	41.10	78.47	63.21	48.16	61.75	26.64	51.23	118.58	108.57	73.13	106.09
U.S. Bur. Indian Affairs	153.90	110.00	48.24	89.98	85.13	-	-	84.35	-	123.00	04.66
State of California	133.93	188.59	174.30	131.16	103.69	105.61	109.69	135.07	117.76	125.74	123.06
Average	50.86	72.79	63.53	57.58	73.01	97.82	110.80	119.10	102.75	100.63	110.14

a/ Prices received for individual sales may vary significantly from the averages shown In this table because of differences In spedes mix, quality, road costs, logging and processing costs, sue and length of sale, number of bidders, and other related price detminants. 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 48—Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Southwest Region, 1976-87 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
1976	76.00	101.80	185.00	6.50	84.00	23.40	80.40
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	35.20
1985	63.00	101.40	109.70	17.90	112.90	33.60	69.80
1986:							
1st quarter	61.60	145.50	151.20	31.00	63.30	31.70	84.30
2d quarter	78.90	138.30	127.50	9.80	79.70	65.50	93.70
3d quarter	64.15	88.64	113.27	10.14	170.75	42.63	75.85
4th quarter	68.92	169.11	208.58	5.44	184.67	54.97	119.11
1986 average	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

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

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

Table 49—Volume of timber sold on publicly owned or managed lands, Washington and Oregon, 1983-87

(In thousand board feet, Scribner scale)

Agency	1983	1984	1985	1986 Total	1986 4th qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Total
Western Washington:										
U.S. Forest Service 4	1.153.819	996.173	699.004	1.136.822	258,763	121,778	371.819	227,777	149.369	870.743
U.S. Bur. Land Manage.	0	0	60	4.952	0	0	0	0	9	9
U.S. Indian Aff.	13.653	19.587	25,739	26.421	9,259	13,548	7,290	19,667	2.954	43.459
State of Washington b/	637.295	448,105	768.035	731.01	209.060	156,830	247,710	134.555	194.130	733.225
Total	1.704.767	1.463.865	1,492,838	1.899.196	477.082	292,156	626.819	381.999	346,462	1.647.436
Eastern Washington:										
U.S. Forest Service 4	495.326	350.177	344,653	482.848	107.945	157.008	53.404	114.561	54.421	379.394
U.S. Bur. Land Manage.	3,414	2,185	4,016	386	373	0	3.644	0	0	0
U.S. Bur. Indian Aff.	165,656	106,603	227.939	92.765	39.129	40,924	48.693	27.385	121.325	238.327
State of Washington b/	62,235	60,305	98.235	114.790	26.760	34,045	22,410	25,950	16.550	98.955
Total	726.631	519,270	674.843	690.789	174,207	231,977	128.151	167,896	192.296	720,320
Western Oregon:										
U.S. Forest Service a/	2,179,345	2271.941	2.123.325	2,613,915	446,757	775,166	705.810	566,752	367,033	2.414.761
U.S. Bur. Land Manage.	1.045.924	1.042.117	974.921	1.474.511	255.780	248,000	312.879	328.330	219,000	1,108,209
U.S. Bur. Indian Aff.	2.361	3.212	7.951	6.158	6,158	0	0	1,950	0	1,950
State of Oregon	268,416	208,797	198.017	190.502	78,956	13.678	74.342	39.766	93,643	221,429
Total	3.496.046	3.526.067	3,304,217	4,285,086	787.651	1.036.844	1.093.031	936.798	679.876	3,746,349
Eastern Oregon:										
U.S. Forest Service 4	1,148,349	1,279,703	1.099.194	1.543.732	326.988	327.588	434,917	303,152	218.298	1.283.955
U.S. Bur. Land Manage.	19,212	14.078	21.627	9,519	0	0	929	98	6,000	7.027
U.S. Bur. Indian Aff.	17.370	73.180	93.700	73,048	0	68.948	12,920	550	0	82.418
State of Oregon	1,726	6.713	243	8.335	2,729	0	0	6,173	0	6,179
Total	1,186,657	1,373,674	1,214,764	1.634.634	329.717	396,536	448,766	309.979	224.298	1,379,579
All public lands:										
US. Forest Service a/	4.976.839	4.897.994	4,266,176	5.777.317	1.140.453	1.381.540	1.565.950	1,212,242	789.121	4.948.853
U.S. Bur. Land Manage.	1,068,550	1,058,380	1,000,624	1,489.368	256,153	248.000	317,452	328.428	225.009	1.118.889
U.S. Bur. Indian Aff.	199,040	202.582	355,329	198.392	54.546	123,420	68.903	49.552	124.279	366,154
State of Washington b/	699,530	508,410	866.270	845,791	235.820	190.875	270.120	160,505	250.630	832.180
State of Oregon	270,142	215,510	198.260	198.837	81.685	13.678	74,342	45,945	93.643	227.608
Total	7,214.101	6,882.876	6.686.659	8,509.705	1.768.657	1,957,513	2,296,767	1,796.672	1.442.732	7,493.684

4 Convertible products only.

b/ Excludes sales under $20,000.

Source: Respective agencies listed.

Table 50—Average stumpage prices of timber sold on publicly owned or managed lands, Washington and Oregon, 1983-87

(In dollars per thousand board feet)

Agency	1983	1984	1985	1986 Total	1986 4th qtr.	1987 1st qtr.	1987 2d qtr.	1987 3d qtr.	1987 4th qtr.	1987 Total
Western Washington:										
U.S. Forest Service 4	73.84	61.92	62.47	91.06	106.31	99.28	99.12	130.35	142.91	114.82
U.S. Bur. Land Manage.	--	--	95.00	61.64	--	--	--	-	44.00	44.00
U.S. Bur. Indlan Aff.	97.71	69.87	54.85	67.32	46.71	45.53	43.18	129.71	89.74	86.23
State of Washington b/	138.41	118.70	111.38	133.44	157.75	149.83	194.21	296.40	274.16	224.64
Average	96.82	99.41	87.50	106.96	127.70	123.93	136.05	188.80	216.00	162.94
Eastern Washington:										
US. Forest Service a/	38.60	29.86	28.40	33.49	28.59	61.42	46.82	37.65	37.05	48.69
U.S. Bur. Land Manage.	51.84	28.49	31.54	41.98	41.53	-	61.48	--	--	61.48
U.S. Bur. Indian Aff.	127.06	157.14	151.94	128.39	108.93	99.93	59.60	165.51	198.88	149.60
State of Washington b/	67.83	110.78	71.27	107.87	125.77	116.68	109.61	127.27	195.84	131.09
Average	61.34	65.26	76.54	58.60	61.59	76.32	63.07	72.36	152.82	95.46
Western Oregon:										
U.S. Forest Servlce a/	129.33	96.70	81.91	116.53	120.81	133.53	135.32	140.98	166.46	140.81
U.S. Bur. Land Manage.	131.14	101.19	82.32	95.12	104.26	111.79	114.05	116.87	134.72	118.46
U.S. Bur. Indian Aff.	170.20	126.56	156.29	161.02	161.02	--	-	199.17	-	199.17
State of Oregon	165.39	129.92	133.07	134.35	131.43	143.22	155.71	186.96	211.10	183.98
Average	132.67	100.02	85.28	110.02	116.81	128.45	130.62	134.60	162.38	136.78
Eastern Oregon:										
U.S. Forest Servlce 4	81.70	73.61	83.68	104.36	114.18	143.71	109.01	140.99	185.67	138.45
U.S. Bur. Land Manage.	57.58	39.17	32.48	42.17	--	-	24.21	11.37	222.03	152.94
U.S. Bur. Indian Aff.	140.60	109.02	86.41	103.40	--	142.34	85.00	186.92	-	133.65
State of Oregon	59.68	120.29	92.93	59.88	40.46	--	-	187.33	-	187.33
Average	82.14	75.37	82.98	103.73	113.57	143.47	108.15	141.96	186.65	138.66
All public lands:										
US. Forest Servlce 4	96.45	78.80	74.88	101.33	106.89	124.73	116.40	129.22	158.39	128.56
U.S. Bur. Land Manage.	129.56	100.21	81.03	94.66	104.17	111.79	113.18	116.84	137.04	118.74
U.S. Bur. Indlan Aff.	126.74	130.83	127.73	112.10	104.25	117.65	62.62	152.86	196.29	138.75
State of Washington b/	132.13	117.76	106.83	129.97	154.12	143.92	187.19	269.05	268.01	213.51
State of Oregon	164.71	129.62	149.48	131.23	128.39	143.22	155.71	187.01	211.10	184.07
Average	108.20	88.09	84.96	103.96	113.71	124.64	123.94	141.58	177.76	138.71

a/ Prices received for individual Sales may vary slgnlflcantly 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 hlgh bids. The statlstlcal hlgh bid Is defined as the bid price minus credits for road costs: It includes an allowance for sale-area betterment (K-V funds).

b/ Excludes Sales under $20.000.

Source: Respective agencles listed.

Table 51—Average stumpage prices for sawtimber sold on National Forests by selected species, Pacific Northwest Region, 1976-87 *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												
1976	176.20	38.60	79.40	118.90	116.00	40.20	10.50	83.10	78.10	160.30	20.30	105.60	55.00	113.20
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:														
1st quarter	157.50	41.90	205.00	177.90	73.60	5.90	20.70	101.00	67.10	105.50	48.90	11.90	53.70	129.40
2d quarter	165.80	31.90	159.30	224.40	133.80	10.50	104.90	93.80	80.50	208.90	25.50	55.00	42.00	121.50
3d quarter	154.90	41.80	209.20	213.90	129.60	15.00	21.30	24.40	68.90	155.70	53.90	71.90	49.70	127.60
4th quarter	168.20	18.10	214.30	180.30	96.10	7.80	10.20	118.80	83.20	156.10	64.00	142.70	47.80	135.30
1986 average	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

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 indudes 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.

Table 52--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1987 a/ b/

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

National Forest	Douglas-flr				Ponderosa and Jeffrey plnes		Western hemlock		True flrs c/		All species	
	West slde		East slde									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Western Oregon:												
Mount Hood–												
1st quarter	64,630	182.25	6,900	37.84	1,500	260.25	20,500	84.43	5,900	87.57	128.530	124.91
2d quarter	29,675	166.93	6,560	101.13	3,020	211.90	10,775	71.02	2,490	68.44	70.220	111.86
3d quarter	30,260	183.70	3,200	127.38	1,600	294.69	17,470	170.97	3,225	80.89	65.195	159.69
4th quarter	21.600	122.13	0		0	--	16.000	269.41	0	--	42.700	163.61
Total and average	146.165	170.55	16.660	79.96	6.120	245.39	64.745	151.26	11,615	81.61	306.645	134.70
Rogue River-.												
1st quarter	24.149	154.25	0	--	850	132.13	0	--	11.638	134.70	58.287	140.98
2d quarter	29.910	158.82	0		860	171.43	0		8.780	60.36	50.470	150.54
3d quarter	21.410	163.90	0	--	18	170.05	10	50.03	9.690	68.56	42.458	129.82
4th quarter	17.874	161.76	0	--	1,490	312.57	290	66.03	8.324	63.47	46.558	124.04
Total and average	93,343	159.37	0	--	3.218	226.39	300	65.50	38.432	85.61	197.773	137.04
Siskiyou--												
1st quarter	54.960	166.56	0	--	0	--	2,900	16.65	1.470	50.61	69,047	159.28
2d quarter	29.160	114.16	0		0		400	10.39	0		37.190	107.91
3d quarter	29,040	135.50	0	--	1.130	25.58	210	40.13	4.670	18.52	44.280	160.66
4th quarter	8.390	114.69	0	--	0	--	0	--	0	--	10,210	107.36
Total and average	121,550	142.99	0	--	1.130	25.58	3.510	17.34	6,140	26.20	160,727	144.47
Siuslaw--												
1st quarter	110.867	133.59	0	--	0		6,670	86.31	0	--	127.536	123.66
2d quarter	111,797	171.80	0	--	0	--	9.650	105.86	0	–	130.524	159.88
3d quarter	81,192	198.29	0		0	--	1.820	118.80	0		87.161	190.17
4th quarter	20,740	217.04	0		0	--	550	130.02	0	--	23.883	197.17
Total and average	324,596	168.27	0	--	0	--	18.690	100.85	0	–	369,104	156.93
Umpqua–												
1st quarter	89.440	162.81	0	--	2.200	140.60	3,680	21.25	5.900	13.45	129.850	131.55
2d quarter	73.830	156.87	0	--	700	208.29	1,700	35.03	8.300	67.76	121,455	113.67
3d quarter	76.390	160.78	0	--	0	--	8,950	26.09	3.300	34.01	112.090	125.39
4th quarter	75.670	198.50	0	--	0	--	4.700	63.97	9,300	27.64	114,520	161.38
Total and average	315,330	169.49	0	--	2,900	156.94	19.030	35.31	26.800	37.72	477,915	132.71
Willamette–												
1st quarter	149,662	200.99	0	--	400	329.90	23.360	41.49	R3.840	14.62	251.271	145.24
2d quarter	174,535	193.30	0	--	0	--	21.850	85.86	720	61.28	262,292	145.01
3d quarter	115.118	189.59	0	--	300	235.01	19,810	59.17	5,200	55.67	197,520	127.76
4th quarter	81.410	262.32	0	--	0	--	12,010	92.15	3.000	69.62	118.015	200.16
Total and average	520.775	205.48	0	--	700	289.23	77,030	66.52	12.760	46.91	829.098	148.82
All western Oregon:												
1st quarter	493.708	170.37	6.900	37.84	4,950	190.70	57,110	59.57	R28.748	R79.80	764.521	136.84
2d quarter	R448.957	R172.70	6.560	101.13	4,580	203.75	44,375	83.98	20,290	64.41	672,151	137.14
3d quarter	353,410	178.86	3,200	127.38	3.048	188.31	48.270	95.66	26.085	54.18	548.704	143.80
4th quarter	225.684	209.89	0		1,490	312.57	33,550	193.13	20.624	48.21	355.886	170.48
Total and average	1,521.759	178.91	16.660	79.96	14.068	207.34	183.305	95.77	95,747	62.71	2,341,262	143.67
Western Washington:												
Gifford Pinchot–												
1st quarter	29,295	109.32	0	--	0	--	7.040	100.16	7,660	116.02	52.475	93.63
2d quarter	104,930	141.62	0		0		27.950	91.79	20.725	78.83	185.395	107.82
3d quarter	46,210	182.30	0	--	0	--	13,410	77.12	13.390	138.66	92.980	145.21
4th quarter	29.339	195.19	0	--	0	--	6.200	82.69	4.831	135.71	46,755	152.90
Total and average	209,774	153.56	0	--	0	--	54.600	88.23	46,606	108.03	377.605	120.64
Mount Baker-Snoqualmie–												
1st quarter	16,945	149.58	0	--	0	--	15.775	87.85	1.484	58.41	44,131	106.43
2d quarter	11,922	109.91	0	--	0	--	35.867	82.85	10,120	84.67	70.615	78.76
3d quarter	12,315	183.68	0	--	0	--	15,320	118.09	5.800	152.75	51,290	131.14
4th quarter	14.870	230.98	0	--	0	--	8.290	91.39	5,200	118.00	34.180	155.78
Total and average	56.052	170.23	0	--	0	--	75.252	92.01	22,604	108.08	200.216	111.42
Olympic–												
1st quarter	4,710	116.50	0	--	0	--	11.845	77.83	180	12.39	21,200	86.42
2d quarter	22.280	116.62	0		0		68.475	90.39	300	100.01	108.893	110.09
3d quarter	8.825	206.27	0	--	0	--	46.280	120.39	7.890	127.06	79.300	117.88
4th quarter	5,465	201.66	0	--	0	--	26,015	122.96	9.400	161.33	51.630	125.95
Total and average	41,280	147.03	0	--	0	--	152.615	104.07	17.770	143.57	261.023	113.67

Table 52--Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1987 a/ b/ (continued)

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

National Forest	Douglas-fir				Ponderosa and Jeffrey pines		Western hemlock		True firs c/		All species	
	West side		East side									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
All western Washington:												
1st quarter	50.950	123.37	0	--	0	--	34,660	86.93	9,324	104.85	117.806	97.13
2d quarter	139.132	134.90	0	--	0	--	132,292	88.64	31.145	80.93	364.903	102.87
3d quarter	67,350	185.69	0	--	0	--	75,010	112.18	27,080	138.30	223.570	132.29
4th quarter	49,674	206.62	0	--	0	--	40,505	110.33	19,431	143.36	132,565	143.14
Total and average	307.106	155.73	0	--	0	-	262.467	97.79	86,980	115.30	838.844	116.27
All western Oregon and western Washington:												
1st quarter	544,658	165.97	6,900	37.84	4.950	190.70	91,770	69.90	R38.072	R85.94	882.327	131.54
2d quarter	R588.089	R163.81	6,560	101.13	4.580	203.75	176,667	87.47	51,435	74.41	1,037,054	125.08
3d quarter	420.760	179.95	3,200	127.38	3,048	188.31	123.280	105.72	53,165	97.03	772.274	140.46
4th quarter	275.358	209.30	0	--	1,490	312.57	74,055	138.78	40,055	94.37	488.451	163.06
Total and average	1,828,865	175.02	16,660	79.96	14,068	207.34	465,772	97.00	182.727	87.77	3,180,106	136.44
Eastern Oregon:												
Deschutes-												
1st quarter	*0*	--	4,040	19.52	28.270	277.87	0	--	9.260	18.95	54.105	152.18
2d quarter	*0*	--	3,060	50.89	22,089	183.67	0	--	1.580	39.65	34.058	181.47
3d quarter	*0*	--	2,590	67.17	23.378	284.25	0	--	1,230	24.80	55.304	127.97
4th quarter	*0*	--	0	--	5.849	343.67	0	--	55	10.20	16,210	130.83
Total and average	0	--	9,690	42.16	79,586	258.43	0	--	12,125	22.20	159,677	147.87
Fremont-												
1st quarter	*0*	--	0	-	33,437	185.82	0	--	8.677	38.94	53.760	123.95
2d quarter	*0*	--	0	-	30,900	199.06	0	--	13,450	42.24	51.600	136.86
3d quarter	*0*	--	0	-	15.510	207.05	0	--	8.640	75.20	25.420	153.39
4th quarter	*0*	--	0	-	29,745	239.55	0	--	9,950	21.21	43.895	173.99
Total and average	*0*	--	0	-	109,592	207.14	0	--	40,717	43.39	174.675	144.62
Malheur-												
1st -quarter	0	--	6,100	59.40	30,239	293.94	0	--	2,100	26.70	39.879	233.45
2d quarter	*0*	-	16,560	16.91	50,249	286.20	0	--	7.180	15.98	78.439	188.43
3d quarter	0	--	9,605	25.73	38.126	271.11	0	--	9,000	13.49	61.313	174.70
4th auarter	0	-	11.650	42.68	40,972	304.44	0	--	7,130	41.20	62,372	213.49
Total and average	0	-	43.915	31.58	159.586	288.74	0	--	25.410	23.06	242.003	198.83
Ochoco-												
1st quarter	*0*	--	6.800	22.80	37.200	248.74	0	--	3.500	31.25	47,500	200.37
2d quarter	*0*	--	5,900	44.50	21,600	309.28	0	--	3.200	45.17	30.700	230.86
3d quarter	*0*	--	5,600	62.31	22,400	258.86	0	--	4,500	33.28	32,500	193.76
4th quarter	*0*	--	4.164	20.62	13,601	284.49	0	--	0	--	17.765	222.64
Total and average	0	-	22.464	37.94	94.801	270.05	0	--	11,200	36.04	128.465	209.07
Umatilla-												
1st quarter	*0*	-	13.290	30.38	8.720	198.75	0	--	12,420	18.96	55.840	49.32
2d quarter	*0*	--	7,420	31.32	4,235	179.93	0		31,670	31.60	53.880	37.28
3d quarter	*0*	--	3,700	13.96	2,200	55.03	0	--	3,625	21.32	23.025	12.61
4th quarter	*0*	-	*0*	--	*0*	-	0	--	1,600	60.00	2,000	48.10
Total and average	0	-	24.410	28.18	15.155	172.63	0	--	49,315	28.58	134,745	38.22
Wallowa-Whitman-												
1st quarter	0	--	3,010	15.96	2,170	52.64	0	--	1,645	6.65	10.505	17.94
2d quarter	0	-	13,920	26.90	9.398	90.42	0	--	15,460	23.65	66.813	27.24
3d quarter	0	-	10,530	23.67	13.032	140.21	0	--	5.780	14.81	35,015	63.64
4th quarter	0	--	3,520	38.78	5,500	194.67	0	-	1.400	31.51	10,820	115.66
Total and average	0	-	30,980	26.09	30,100	128.30	0	--	24.285	20.85	123,153	44.57
Wlnema-												
1st quarter	*0*	--	4,250	21.60	38.490	273.87	0	--	18,690	48.25	64,130	180.48
2d quarter	*0*	--	2.700	96.17	36,070	282.14	0	--	16,600	67.46	59.670	194.13
3d quarter	*0*	-	130	36.54	33,640	330.37	0	--	2,330	34.66	40.900	276.14
4th quarter	*0*	--	2,200	89.27	42.060	281.08	0	--	2.340	113.16	53,050	232.64
Total and average	0	--	9,280	59.55	150.260	290.52	0	--	39,960	59.24	217.750	214.90
All eastern Oregon:												
1st quarter	0	-	37.490	30.40	178.526	249.82	0	--	56,292	32.46	325,719	148.11
2d quarter	0	-	49.560	31.57	174,541	246.69	0	--	89,140	37.88	375.160	134.67
3d quarter	0	-	32.155	33.45	148,286	263.36	0	--	35,105	34.04	273,477	152.84
4th quarter	0	-	21.534	42.53	137,727	278.60	0	--	22,475	40.50	206.112	197.55
Total and average	0	-	140.739	33.37	639.080	258.31	0	-	203,012	56.00	1,180,468	153.57

Table 52—Volume and average stumpage price of selected species on the National Forests of the Pacific Northwest Region, 1987 a/ b/ (continued)

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

National Forest	Douglas-flr				Ponderosa and Jetlrey pines		Western hemlock		True flrs c/		All specles	
	West slde		East slde									
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Eastern Washinaton:												
Coiville–												
1st quarter	*0*	–	16.570	38.16	104	135.00	417	29.30	8,440	17.70	39.714	41.36
2d quarter	*0*	–	6,157	38.71	910	144.06	260	10.38	2.548	27.98	18.710	55.70
3d quarter	0		3,157	54.70	456	287.38	370	48.58	1.530	28.88	7.058	64.41
4th quarter	0	–	15.819	33.83	1.140	173.99	0	–	8.727	30.53	35,292	45.10
Total and average	0	–	41.703	37.85	2.610	181.81	1,047	31.42	21,245	25.01	100.774	46.95
Okanogan–												
1st quarter	*0*	–	19,420	51.82	7,410	196.97	0	–	0	–	41.330	69.50
2d quarter	*0*		0		0		0		0	–	*0*	
3d quarter	*0*	–	19.344	21.94	2,936	118.34	0	–	0	–	28.342	28.94
4th quarter	*0*	–	0	–	0	–	0	–	0	–	574	61.11
Total and average	0	–	38.764	36.91	10,346	174.66	0	–	0	–	70,246	53.07
Wenatchee--												
1st quarter	*0*	–	17,267	47.50	11.823	178.21	170	100.00	13.110	59.41	51.370	74.72
2d quarter	*0*	–	7.985	61.28	585	140.75	3,300	91.76	4.450	36.20	19,010	62.67
3d quarter	*0*	–	23.880	34.41	8,100	167.02	0	–	14.880	29.28	52.890	52.53
4th quarter	*0*	–	2.780	28.24	1,170	152.32	540	43.00	0	–	4.660	60.09
Total and average	0	–	51,912	42.64	21.678	171.62	4.010	85.54	32,440	42.41	127,930	63.22
All eastern Washlngton:												
1st quarter	0	–	53,257	46.17	19.337	185.16	587	49.78	21,550	43.07	132,414	63.09
2d quarter	0	–	14,142	51.45	1.495	142.76	3.560	85.82	6.998	33.20	37,720	59.21
3d quarter	0	–	46.381	30.59	11,492	159.36	370	48.58	16,410	29.24	88,290	45.91
4th quarter	0	–	18.599	33.00	2.310	163.02	540	43.00	8.727	30.53	40,526	47.05
Total and average	0	–	132.379	39.45	34,634	173.29	5,057	74.34	53.684	35.52	298.950	55.35
All eastern Oregon and eastern Washington:												
1st quarter	0	–	90,747	39.66	197.863	243.50	587	49.78	77,842	35.40	458.133	123.53
2d quarter	0	–	63,702	35.99	176.036	245.81	3,560	85.82	96.138	37.54	412.880	127.78
3d quarter	0	–	78.536	31.76	159.778	255.88	370	48.58	51,515	32.51	361,767	126.74
4th quarter	0	–	40.133	38.11	140,037	276.70	540	43.00	31,202	37.71	246,638	172.82
Total and average	0	–	273.028	36.32	673.714	253.94	5.057	74.34	256,697	35.90	1.479.418	133.72
Pacific Northwest Region:												
1st quarter	544.658	165.97	97.647	39.53	202.813	242.21	92.357	69.77	R115.914	R52.00	1,340,460	128.80
2d quarter	R588.089	R163.81	70,262	42.07	180.616	244.74	180.227	87.44	147,573	50.39	1,449,934	125.85
3d quarter	420.760	179.95	81.736	35.51	162.826	254.62	123,650	105.54	104,680	65.28	1,134,041	136.09
4th quarter	275.358	209.30	40,133	38.11	141,527	277.07	74,595	138.09	71.257	69.56	735.089	166.33
Total and average	1.828.865	175.02	289.688	38.83	687.782	252.99	470.829	96.75	439.424	57.47	4,659,524	135.58
All of Oregon:												
1st quarter	493.708	170.37	44,390	31.56	183.476	248.22	57,110	59.57	R85.040	R48.46	1,090,240	140.21
2d quarter	R448.957	R172.78	56,120	39.71	179,121	245.60	44,375	83.98	109,430	42.80	1,047,311	136.25
3d quarter	353,410	178.86	35.355	41.95	151.334	261.85	48.270	95.66	61.190	42.63	822.181	146.80
4th quarter	225.684	209.89	21,534	42.53	139,217	278.97	33,550	173.13	43.099	44.19	561.998	180.41
Total and average	1,521,759	178.91	157.399	38.30	653.148	257.21	183.305	95.77	298.759	44.58	3,521,730	146.99
All of Washlngton:												
1st quarter	50.950	123.37	53.257	46.17	19,337	185.16	35,247	86.31	30.874	61.73	250,220	79.11
2d quarter	139,132	134.90	14,142	51.45	1.495	142.76	135,852	88.57	38.143	72.18	402.623	98.78
3d quarter	67.350	185.69	46.381	30.59	11,492	159.36	75.380	111.87	43,490	97.15	311.860	107.83
4th quarter	49,674	206.62	18.599	33.00	2,310	163.02	41.045	109.45	28.158	108.39	173,091	120.64
Total and average	307,106	155.73	132.289	39.45	34,634	173.29	287.524	97.38	140,665	84.85	1,137,794	100.26

a/ Prelimlnary

b/ Prices for lndlvldual sales may vary from the averages shown In this table because of differences In specles mlx, quality, road costs, logging and processing costs, size and length of sale. number of bldders. and other related prlce determlnants. Prices for stumpage In National Forest lands are statlstlcal hlgh bids. The statlstical high bld Is deflned as the bld prlce mlnus credits for road costs; It includes an allowance for sale-area betterment (K-V funds).

c/ Does not Include noble flr or Shasta red flr.

R = revlsed.

Source: U.S. Department of Agrlculture. Pacific Northwest Region Includes Oregon and Washlngton.

Table 53—Volume of timber sold on publicly owned or managed lands in Alaska, 1982-87

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985	1986		1987				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service a/ b/	71,429	79,994	58,411	51,110	255,598	84,298	11,051	14,700	59.785	52,051	137,587
U.S. Bur. Land Manage.c/	1,270	0	0	66	322	70	0	0	0	0	0
U.S. Bur. Indian Affairs	7,680	0	0	871	0	0	0	0	0	15,300	15,300
State of Alaska	24,154	72,145	21,087	20,178	13,111	2,718	8,997	R11,753	2,115	4,354	27,219
Total	104,533	152,139	79,498	72,225	269,031	87,086	20,048	26,453	61,900	71,705	180,106

a/ Excludes sales under $2,000.

b/ Convertible products only.

c/ Does not indude cull log sales or volume given away through free use permits.

R = revised.

Source: Respective agencies listed.

Table 54—Average stumpage prices of timber sold on publicly owned or managed lands in Alaska, 1982-87

(In thousand board feet, Scribner scale)

Agency	1982	1983	1984	1985	1986		1987				
					Total	4th qtr.	1st qtr.	2d qtr.	3d qtr.	4th qtr.	Total
U.S. Forest Service a/	32.03	14.82	15.95	6.97	9.12	10.42	15.59	19.32	43.82	11.73	26.79
U.S. Bur. Land Manage.b/	28.08	--	--	9.47	39.79	16.09	--	--	--	--	--
U.S. Bur. Indian Affairs	122.40	--	--	46.93	--	--	--	--	--	64.59	64.59
State of Alaska	18.23	87.96	14.95	15.53	13.88	14.25	12.86	8.14	18.14	9.91	10.76
Average	35.43	49.46	15.72	9.85	9.39	10.54	14.37	14.36	42.94	22.90	27.58

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 55—Average stumpage prices for sawtimber sold on National Forests by selected species, Alaska Region, 1976-87 a/

(In dollars per thousand board feet)

Year and quarter	Sitka spruce	Western hemlock	Cedar and other softwoods	All species
1976	25.10	12.00	67.30	28.00
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:				
1st quarter	22.05	17.71	7.77	16.75
2d quarter	11.60	24.15	9.89	20.58
3d quarter	22.82	3.81	34.72	20.85
4th quarter	24.37	10.28	73.03	16.62
1986 average	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

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 56—Volume and average value of all species of all timber products sold from the USDA Forest Service Regions of the Western United States, 1976-87 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
1976	872.0	32.96	290.7	7.70	293.4	33.01	290.5	16.42	1,425.0	77.87	1,134.9	60.01	2,489.3	124.41	15.8	21.80
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	1.3	9.77
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	147.7	93.84
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	165.7	46.47
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	74.0	31.37
1983	1,055.3	45.93	330.0	13.64	355.2	35.74	395.5	22.25	1,782.4	70.75	1,625.8	68.28	3,333.5	110.12	80.1	14.82
1984	865.9	33.16	455.8	12.27	409.3	35.31	381.2	16.69	1,473.1	61.21	1,629.4	64.18	3,278.2	86.00	58.4	15.95
1985	948.4	26.07	443.7	8.64	293.0	21.64	428.3	15.12	1,602.7	56.37	1,442.0	70.54	2,826.3	77.08	51.1	6.98
1986:																
1st qtr.	140.1	19.78	41.3	12.45	56.0	19.75	110.8	27.45	351.3	76.38	339.5	109.08	834.5	98.16	5.9	15.07
2d qtr.	329.9	23.60	109.2	25.55	118.7	32.35	131.9	19.34	279.7	74.32	581.5	68.90	936.7	115.91	104.8	4.89
3d qtr.	337.3	34.80	132.5	15.62	231.9	27.54	142.2	20.37	613.0	60.24	664.9	89.59	1,285.2	106.17	60.6	14.05
4th qtr.	119.5	32.38	51.0	23.52	77.3	18.38	62.8	34.07	212.9	97.62	434.8	92.97	705.5	115.49	84.3	10.42
Total or average	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	R1,077.8	122.83	14.7	19.32
3d qtr.	3542	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

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.

R = revised.

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

Table 57—Volume and average value of all species of timber harvested from the USDA Forest Service Regions of the Western United States, 1976-87 *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
1976	1,1011	40.83	305.0	17.20	396.8	50.25	468.7	55.17	1,889.6	69.38	1,537.7	64.42	2,858.2	95.01	472.2	6.31
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	54.46	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	453.7	16.42
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	14.85
1983	1,071.9	38.15	345.8	10.48	378.4	42.52	417.2	44.06	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	401.8	31.14	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:																
1st qtr.	160.7	42.97	81.6	17.05	60.0	38.57	61.8	15.82	126.9	127.06	310.2	99.45	474.4	90.84	33.4	6.29
2d qtr.	164.6	42.32	122.4	9.72	98.6	44.65	55.8	20.77	499.3	86.95	357.0	93.25	837.0	100.59	59.6	2.47
3d qtr.	393.1	34.99	64.7	23.18	160.1	46.05	164.0	14.29	751.3	66.17	613.0	80.52	1,053.3	91.93	106.4	2.72
4th qtr.	297.7	35.99	183.9	9.57	183.9	49.97	195.3	19.62	574.8	88.97	668.7	100.84	941.4	110.60	72.8	3.41
Total or average	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	R1,029.7	R116.68	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	R1,061.7	R107.12	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

a/ Northern Region indudes 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 indudes 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.

R = revised.

Note: Negative stumpage value caused by emergency rate redeterminations.

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

Table 58--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, 1982-86 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:				
1982	2,260	2.90	3,450	1.18
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
Cedar:				
1982	2,871	3.25	1,313	1.74
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
Cypress:				
1982	387	17.28	4	8.67
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
Fir:				
1982	1,292	6.28	2,802	2.03
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
Hemlock:				
1982	5,200	2.65	1,313	.91
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
Larch:				
1982	0	--	211	1.33
1983	0	--	271	1.22
1984	0	--	307	1.35
1985	0	--	296	1.32
1986	0	--	318	1.45
Lodgepole pine:				
1982	2	2.00	10,315	1.21
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
Spruce:				
1982	771	10.93	12,075	1.36
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
White pine:				
1982	25	2.56	164	5.68
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
Other species:				
1982	48	2.98	90	1.97
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
All species:				
1982	12,858	4.13	31,737	1.37
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

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 59—Uncut volume under contract on National Forest lands in Montana, Idaho, California, Oregon, and Washington, 1977-87 a/

(In million board feet, Scribner log tule)

Year	California	Montana	Idaho b/		Oregon c/	Washington c/
			Northern	Southern		
1977	4,882.3	1,309.9	1,480.1	d/ 993.6	e/ 7,351.5	e/ 4,293.5
1978	e/ 5,126.4	d/ 1,331.4	d/ 1,604.9	1,009.2	e/ 8,538.3	el 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	el 1,386.6	e/ 819.1	el 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	5,470.3
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

a/ As of June 30 unless otherwise noted.

b/ The National Forests in northem 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 flgures included some buy-out and default volumes.

d/ As of September 30.

e/ As of December 31.

E = estimated.

Source: Forest Service, U.S. Department of Agriculture, Regions 1, 4, 5, and 6.

Table 60—Fiscal year sale program volume on National Forest lands in Oregon and Washington, 1978-88

(In million board feet, Scribner scale)

Fiscal year	Oregon *J*	Washington	Total
1978	3,357	1,455	4,812
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

a/ This figure includes California volumes for Rogue River and Siskiyou National Forests; this also includes Washington volume for Umatilla National Forest.

Table 61—Allowable annual cut and uncut volume under contract on Bureau of Land Management lands In Oregon, 1977-87

(In million board feet, Scribner log scale)

Year	Allowable cut a/	Uncut volume under contract	Ratio
1977	1,183	2,066	1.7
1978	1,183	2,204	1.9
1979	1,133	2,224	2.0
1980	1,134	2,484	2.2
1081	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
1085	1,000	3,498	3.5
1986	1,574	2,104	1.3
1987	1,188	2.129	1.8

a/ Allowable cut is defined as volume offered. This Includes an estimated 17.5 million board feet for eastern Oregon.

Source: Bureau of Land Management.

Table 62–Allowable annual cut and uncut volume under contract on Oregon State lands, 1976-86 a/

(In million board feet, Scribner log rule)

Year	Allowable cut	Uncut volume under contract	Ratio
1976	203	428	2.1
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

a/ As of December 31.

Source: State of Oregon, Department of Forestry.

Table 63—Allowable annual cut and uncut volume under contract on Washington State lands, 1977-87 a/

(In million board feet, Scribner Jog *rule)*

Year	Allowable *cut*	Uncut volume under contract	Ratio
1977	774	2,021	2.6
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
1g87	880	850	1.0

a/ As of June 30.

Source: State of Washington, Department of Natural Resources.

Table 64--Small business set-aside sales on National Forests by number of sates and by volume, Pacific Northwest Region, 1976-87

(Volume in thousand board feet)

Year and quarter	Colville		Deschutes		Fremont		Gifford Pinchot		Malheui		Mount Baker-Snoqualmie		Mount Hood	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1976	1	2,263	0	–	1	15,200	7	68.250	0	--	2	8.350	4	10.658
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:														
1st qtr.	1	770	5	25.465	0	--	0	--	1	19	5	7.910	0	--
2d qtr.	3	1.680	0	–	5	37,900	5	2,495	6	1.789	8	14.930	3	170
3d qtr.	3	2.928	1	800	1	12,550	6	2.720	4	545	7	3.650	2	930
4th qtr.	0		1	76	4	20,290	2	1,420	3	372	3	8.560	0	--
1987 total	7	5.378	7	26,341	10	70.740	13	6.635	14	2.725	23	35.050	5	1,100

Year and quarter	Ochoco		Okanogan		Olympic		Rogue River		Siskiyou		Sluslaw		Umatllla	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1976	3	19,270	2	9,300	5	45.579	18	46.254	7	22,335	17	118.763	6	23.110
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	10,600	12	69,100	31	123,125	7	29,510	7	45,137	3	18,200
1981	5	35.000	2	13.100	6	58,500	54	168.580	24	78.733	44	201.038	7	36.936
1982	3	1,100	3	15.750	4	1.860	26	85,272	33	45,719	44	94.808	1	150
1983	2	640	0	–	4	2,660	46	86,635	14	29.755	15	2.951	5	32,400
1984	0	–	0	--	2	1,480	22	23,005	15	77.305	8	1,524	2	5,400
1985	0	--	2	10.200	1	250	10	11,396	9	4.980	8	2,907	1	1,300
1986	10	74.950	2	18,100	9	9.173	19	94.400	6	3.270	31	126.810	1	10.700
1987:														
1st qtr.	2	28.100	0	--	0	--	2	990	0	--	16	75,719	0	--
2d qtr.	2	13.700	0	–		3 2,410	9	33.310	1	290	4	1,263	0	--
3d qtr.	6	23.700	4	7,705	1	900	14	41,670	4	4.630	5	2,070	1	125
4th qtr.	2	8.790	0	–		1 1.990	3	650	0	--	0	--	0	--
1987 total	12	74,290	4	7,705	5	5,300	28	76,620	5	4.920	25	79,052	1	125

Year and quarter	Umpqua		Wallowa-Whitman		Wenatchee		Willamette		Winema		All Forests	
	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume	Sales	Volume
1976	21	55,093	0	--	0	--	19	121,100	5	38,040	118	603,565
1977	29	128,705	0	--	0	--	48	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	33.400	281	930,670
1981	49	119.185	16	79,375	9	41,760	63	137,827	8	69,900	366	1,179,698
1982	36	91,800	10	36.860	7	17,812	80	73,989	7	61.400	342	639,566
1983	13	3,135	3	1,907	11	33,880	43	78.021	2	12,500	244	392,325
1984	15	6,090	12	9,510	14	34,329	37	24,290	2	19.000	206	285,052
1985	72	9.668	9	4,820	11	34,772	34	21.828	0	--	221	251,578
1986	16	3.010	9	5,390	5	21,648	50	105.894	7	56.620	221	682,055
1987:												
1st qtr.	3	780	0	--	1	1,500	5	1,815	0	–	47	143,168
2d qtr.	6	2,275	4	31,650	2	8,610	24	97,512	3	23,100	88	273,084
3d qtr.	9	1,270	5	9,280	2	6,540	20	80.800	3	25.400	98	228.213
4th qtr.	15	1,450	1	120	0	--	7	11,160	1	1,890	43	56,768
1987 total	39	5,775	10	41,050	5	16.750	56	191.287	7	50.390	276	701,233

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

Warren, Debra D. 1988. Productlon, prices, employment, and trade in Northwest forest industries, fourth quarter 1987. Resour. Bull. PNW-RB-154. Portland, OR: *US.* Department *of* Agriculture, Forest Service, Pacific Northwest Research Statlon. 74 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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