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Production, Consumption, and Prices of Softwood Products in North America: Regional Time Series Data, 1950 to 1985

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ABSTRACT

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This report provides 35 years of information on softwood timber production and consumption in the United States and Canada. Included are regional time series on production and prices of softwood lumber, plywood, residues, and pulpwood; timber harvest volumes and values; production costs; and recovery factors.

Keywords: Economics (forest products industries), forest products industries, forest products, marketing (forest products), timber supply, timber demand, forest products prices.

SUMMARY

The data presented in this bulletin are compiled for use in the Renewable Resources Planning Act (RPA) timber assessments periodically conducted by the USDA Forest Service. These data are used in the structural equations and relations within the timber assessment market model. This model provides the long-range projections of price, consumption, and production trends used in the assessments. The data series--covering U.S. demand, supply, and trade; and Canadian softwood lumber trade--span 35 years of softwood timber production and consumption. Of particular interest are the regional time series on production and prices of softwood lumber and plywood; timber-harvest volumes by final product and ownership; production costs for stumpage, lumber, and plywood; and average recovery and overrun factors for lumber and plywood. Many of these data series are derived from unpublished sources, and the data are available only through this publication.

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INTRODUCTION

The USDA Forest Service is required to conduct a periodic assessment of the state of the Nation's timber resource and to make projections of future use under the Forest and Rangeland Renewable Resources Planning Act of 1974 (RPA). The timber assessment market model (TAMM) (Adams and Haynes 1980) was developed for the 1980 timber assessment (USDA Forest Service 1982) and has since been used for the 1983 assessment supplement (Haynes and Adams 1985) and the southern timber supply study (USDA Forest Service 1986), and an array of related analyses. The timber assessment market model is a spatial model of softwood lumber, plywood, and stumpage markets in North America. It is designed to provide the long-range projections of price, consumption, and production trends. The information presented in this report comprises most of the data used in the construction of TAMM.

The data used in TAMM are extensive. Regional time series cover private inventory, harvest levels by product and landowner, product prices and production costs, recovery and overrun factors, imports and exports, lumber production in Canada, and personal income and population for supply and demand regions. Each time series is maintained on a regional basis for the United States. Figure 1 shows the National Forest Regions and the supply and demand regions used in the timber assessments. National Forest Regions are the regions used by the USDA Forest Service to administer the National Forests. Supply regions are based on the timber-inventory regions used by the USDA Forest Service, Forestry Science Laboratory, forest-inventory units. Boundaries of the demand regions differ from those of the supply regions because the demand regions represent groupings of consumers of forest products. Because of data limitations, regions are combined in a few series; for example, the PNW supply region is a combination of the west-side and the east-side regions of the Pacific Northwest.

Except where noted, all data series expressed in monetary units (such as prices) are presented in nominal U.S. dollars. The all-commodity producer price index (1967=100), as provided by the U.S. Bureau of Labor Statistics, is the standard deflator used in the TAMM model.

Most of the series are for the years 1950 through 1985. If the data have been altered from those provided by the original source, the source notes describe how they have been derived. Some of the data series are directly derived from the 1952, 1962, 1970, and 1976 timber assessments. The intermediate years are approximated by estimating the trend between assessment years and after the 1976 assessment. After the 1989 assessment is completed, these series will be recalculated.

These data were last published for the years 1950-76 (Adams and others 1979). Since then, many data sources and series have changed. A few of the old series are no longer used. Some series have been expanded to more regions or completely revised and new series have been added. For these reasons, series in this publication cannot be accurately compared with those in the 1979 publication.

The data presented in this report are stored and maintained on Lotus 1-2-3, version 2.01 worksheets^{1/} on IBM-compatible microcomputers. The 1-2-3 software uses range names to identify variables. The data are transmitted to a mainframe computer for use in the TAMM model, where they are identified by individual variable names. These variable names are listed in each table header. The section, "LOTUS 1-2-3 File and Range Names, Mainframe Variables, and Corresponding Tables," in the appendix provides a cross-listing of the software files, range names, and variable names for all data series in these tables.

^{1/}The use of software, trade, or corporation names such as Lotus 1-2-3 in this publication is for the information and convenience of the reader. Such use does not constitute an official endorsement or approval by the U.S. Department of Agriculture of any product or service to the exclusion of others that may be suitable.

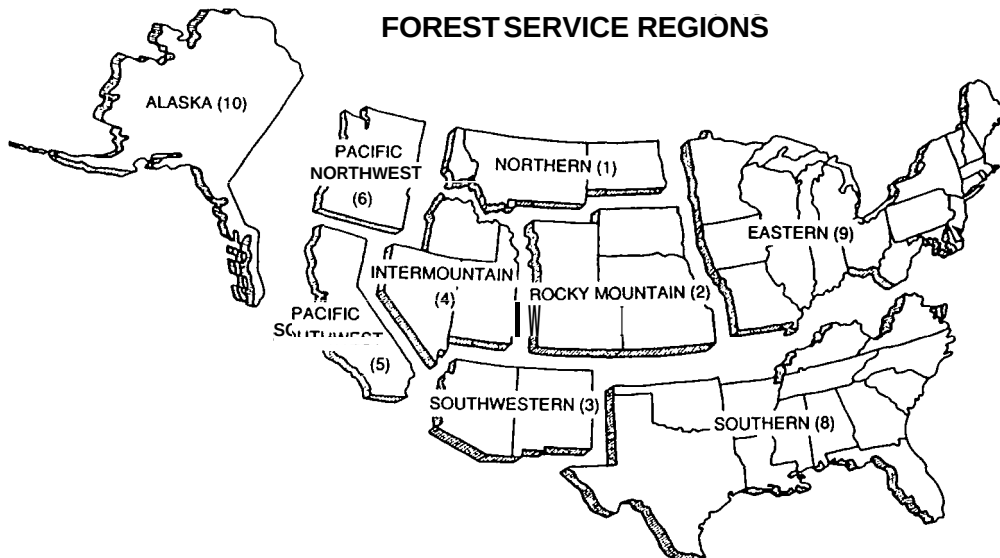


Figure 1--Forest Service Regions and the supply and demand regions used in the timber assessment market model.

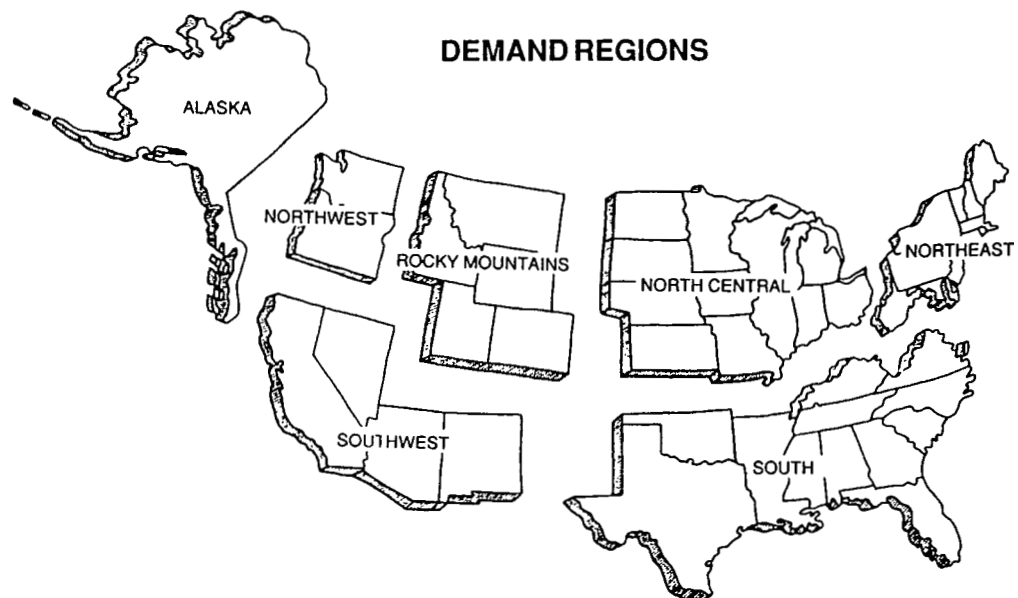
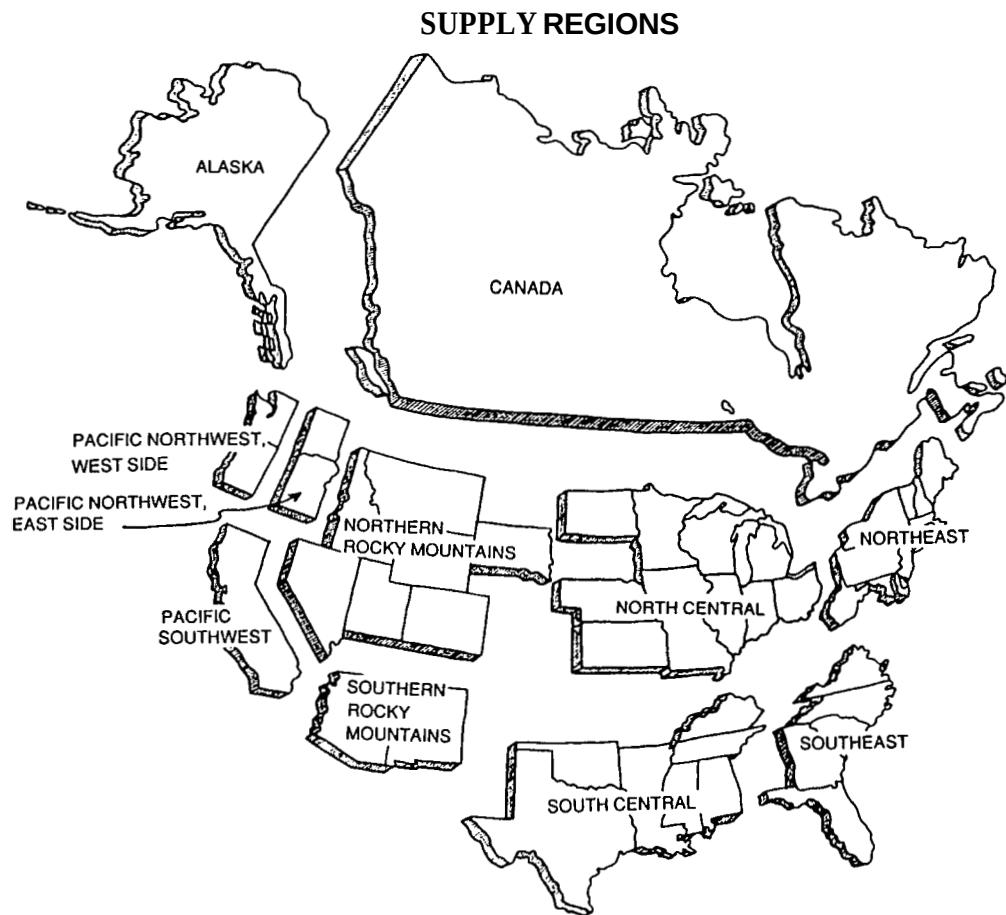


Figure 1--(continued).

Table 1—Softwood timber inventory on forest Industry lands, by supply region and year, 1950-85

(In million cubic feet)

Year	Pacific Northwest--west side (IFIW)	Pacific Northwest--east side (IFIYE)	Pacific Southwest (IFISY)	Northern Rocky Mountains (IFINR)	Southern Rocky Mountains (IFISR)	North Central (IFINC)	Northeast (IFINE)	South Central (IFISC)	Southeast (IFISE)	Total (IFIUS)
1950	33,790.20	3,975.60	11,593.80	6,682.06	131.84	5,009.12	847.10	9,186.04	6,341.62	77,557.38
1951	33,257.60	3,975.30	11,430.90	6,649.53	131.87	5,127.21	886.95	9,553.67	6,405.76	77,418.79
1952	32,725.00	3,975.00	11,268.00	6,617.00	131.90	5,245.30	926.80	9,921.30	6,469.90	77,280.20
1953	32,192.40	3,974.70	11,105.10	6,584.47	131.93	5,363.39	966.65	10,288.93	6,534.04	77,141.61
1954	31,659.80	3,974.40	10,942.20	6,551.94	131.96	5,481.48	1,006.50	10,656.56	6,598.18	77,003.02
1955	31,127.20	3,974.10	10,779.30	6,519.41	131.99	5,599.57	1,046.35	11,024.19	6,662.32	76,864.43
1956	30,594.60	3,973.80	10,616.40	6,486.88	132.02	5,717.66	1,086.20	11,391.82	6,726.46	76,725.84
1957	30,062.00	3,973.50	10,453.50	6,454.35	132.05	5,835.75	1,126.05	11,759.45	6,790.60	76,587.25
1958	29,529.40	3,973.20	10,290.60	6,421.82	132.08	5,953.84	1,165.90	12,127.08	6,854.74	76,448.66
1959	28,996.80	3,972.90	10,127.70	6,389.29	132.11	6,071.93	1,205.75	12,494.71	6,918.88	76,310.07
1960	28,464.20	3,972.60	9,964.80	6,356.76	132.14	6,190.02	1,245.60	12,862.34	6,983.02	76,171.48
1961	27,931.60	3,972.30	9,801.90	6,324.23	132.17	6,308.11	1,285.45	13,229.97	7,047.16	76,032.89
1962	27,399.00	3,972.00	9,639.00	6,291.70	132.20	6,426.20	1,325.30	13,597.60	7,111.30	75,894.30
1963	26,945.00	3,980.25	9,464.62	6,237.81	132.46	6,841.89	1,351.65	13,588.30	7,226.24	75,768.22
1964	26,491.00	3,988.50	9,290.25	6,183.93	132.73	7,257.58	1,378.00	13,579.00	7,341.17	75,642.16
1965	26,037.00	3,996.75	9,115.87	6,130.04	132.99	7,673.26	1,404.35	13,569.70	7,456.11	75,516.07
1966	25,583.00	4,005.00	8,941.50	6,076.15	133.25	8,088.95	1,430.70	13,560.40	7,571.05	75,390.00
1967	25,129.00	4,013.25	8,767.12	6,022.26	133.51	8,504.64	1,457.05	13,551.10	7,685.99	75,263.92
1968	24,675.00	4,021.50	8,592.75	5,968.37	133.78	8,920.32	1,483.40	13,541.80	7,800.92	75,137.84
1969	24,221.00	4,029.75	8,418.37	5,914.49	134.04	9,336.01	1,509.75	13,532.50	7,915.86	75,011.77
1970	23,767.00	4,038.00	8,244.00	5,860.60	134.30	9,751.70	1,536.10	13,523.20	8,030.80	74,885.70
1971	23,481.29	4,011.00	8,131.57	5,752.60	118.17	9,905.06	1,571.93	13,670.81	8,141.06	74,783.49
1972	23,195.57	3,984.00	8,019.14	5,644.60	102.04	10,058.41	1,607.76	13,818.43	8,251.31	74,681.26
1973	22,909.86	3,957.00	7,906.71	5,536.60	85.91	10,211.77	1,643.59	13,966.04	8,361.57	74,579.05
1974	22,624.14	3,930.00	7,794.29	5,428.60	69.79	10,365.13	1,679.41	14,113.66	8,471.83	74,476.85
1975	22,338.43	3,903.00	7,681.86	5,320.60	53.66	10,518.49	1,715.24	14,261.27	8,582.09	74,374.64
1976	22,052.71	3,876.00	7,569.43	5,212.60	37.53	10,671.84	1,751.07	14,408.89	8,692.34	74,272.41
1977	21,767.00	3,849.00	7,457.00	5,104.60	21.40	10,825.20	1,786.90	14,556.50	8,802.60	74,170.20
1978	21,481.29	3,822.00	7,344.57	4,996.60	21.40	10,978.56	1,822.73	14,704.11	8,912.86	74,084.12
1979	21,195.57	3,795.00	7,232.14	4,888.60	21.40	11,131.91	1,858.56	14,851.73	9,023.11	73,998.02
1980	20,909.86	3,768.00	7,119.71	4,780.60	21.40	11,285.27	1,894.39	14,999.34	9,133.37	73,911.94
1981	20,624.14	3,741.00	7,007.28	4,672.60	21.40	11,438.62	1,930.22	15,146.96	9,243.62	73,825.84
1982	20,338.42	3,714.00	6,894.85	4,564.60	21.40	11,591.97	1,966.05	15,294.58	9,353.87	73,739.74
1983	20,052.70	3,687.00	6,782.42	4,456.60	21.40	11,745.32	2,001.88	15,442.20	9,464.12	73,653.64
1984	19,766.98	3,660.00	6,669.99	4,348.60	21.40	11,898.67	2,037.71	15,589.82	9,574.37	73,567.54
1985	19,481.26	3,633.00	6,557.56	4,240.60	21.40	12,052.02	2,073.54	15,737.44	9,684.62	73,481.44

Source: USDA Forest Service. 1982. An analysis of the timber situation in the United States: 1952-2030. Forest Resource Report 23. Washington, DC. 499 p. Appendix 4. Roundwood supplies, net annual growth, and growing stock inventory, by region, ownership, and softwood and hardwood, 1952, 1962, 1970, and 1976. Data between assessment years were estimated, and data after 1976 were extrapolated to 1985.

Table 2—Softwood timber inventory on other private lands, by supply region and year, 1950-85

(In million cubic feet)

Year	Pacific Northwest-- west side (IOPW)	Pacific Northeast-- east side (IOPWE)	Pacific South- west (IOPSW)	Northern Rocky Mountains (IOPNR)	Southern Rocky Mountains (IOPSR)	North Central (IOPNC)	Northeast (IOPNE)	South Central (IOPSC)	Southeast (IOPSE)	Total (IOPUS)
1950	9,508.00	4,530.20	15,727.20	9,009.98	3,640.00	12,919.08	2,775.52	9,854.12	23,464.52	91,428.62
1951	9,509.00	4,512.60	15,491.60	9,073.69	3,655.35	13,178.24	2,858.91	10,327.31	23,661.26	92,267.96
1952	9,510.00	4,495.00	15,256.00	9,137.40	3,670.70	13,437.40	2,942.30	10,800.50	23,858.00	93,107.30
1953	9,511.00	4,477.40	15,020.40	9,201.11	3,686.05	13,696.56	3,025.69	11,273.69	24,054.74	93,946.64
1954	9,512.00	4,459.80	14,784.80	9,264.82	3,701.40	13,955.72	3,109.08	11,746.88	24,251.48	94,785.98
1955	9,513.00	4,442.20	14,549.20	9,328.53	3,716.75	14,214.88	3,192.47	12,220.07	24,448.22	95,625.32
1956	9,514.00	4,424.60	14,313.60	9,392.24	3,732.10	14,474.04	3,275.86	12,693.26	24,644.96	96,464.66
1957	9,515.00	4,407.00	14,078.00	9,455.95	3,747.45	14,733.20	3,359.25	13,166.45	24,841.70	97,304.00
1958	9,516.00	4,389.40	13,842.40	9,519.66	3,762.80	14,992.36	3,442.64	13,639.64	25,038.44	98,143.34
1959	9,517.00	4,371.80	13,606.80	9,583.37	3,778.15	15,251.52	3,526.03	14,112.83	25,235.18	98,982.68
1960	9,518.00	4,354.20	13,371.20	9,647.08	3,793.50	15,510.68	3,609.42	14,586.02	25,431.92	99,822.02
1961	9,519.00	4,336.60	13,135.60	9,710.79	3,808.85	15,769.84	3,692.81	15,059.21	25,628.66	100,661.36
1962	9,520.00	4,319.00	12,900.00	9,774.50	3,824.20	16,029.00	3,776.20	15,532.40	25,825.40	101,500.70
1963	9,618.00	4,369.75	12,488.50	9,836.65	3,842.91	16,052.26	3,867.40	16,488.10	26,310.83	102,874.40
1964	9,716.00	4,420.50	12,077.00	9,898.80	3,861.63	16,075.53	3,958.60	17,443.80	26,796.25	104,248.11
1965	9,814.00	4,471.25	11,665.50	9,960.95	3,880.34	16,098.79	4,049.80	18,399.50	27,281.68	105,621.81
1966	9,912.00	4,522.00	11,254.00	10,023.10	3,899.05	16,122.05	4,141.00	19,355.20	27,767.10	106,995.50
1967	10,010.00	4,572.75	10,842.50	10,085.25	3,917.76	16,145.31	4,232.20	20,310.90	28,252.53	108,369.20
1968	10,108.00	4,623.50	10,431.00	10,147.40	3,936.48	16,168.58	4,323.40	21,266.60	28,737.95	109,742.91
1969	10,206.00	4,674.25	10,019.50	10,209.55	3,955.19	16,191.84	4,414.60	22,222.30	29,223.38	111,116.61
1970	10,304.00	4,725.00	9,608.00	10,271.70	3,973.90	16,215.10	4,505.80	23,178.00	29,708.80	112,490.30
1971	10,092.71	4,707.71	9,569.29	10,272.27	3,990.03	16,466.34	4,664.91	23,882.83	30,279.36	113,925.45
1972	9,881.43	4,690.43	9,530.57	10,272.84	4,006.16	16,717.59	4,824.03	24,587.66	30,849.91	115,360.62
1973	9,670.14	4,673.14	9,491.86	10,273.41	4,022.29	16,968.83	4,983.14	25,292.49	31,420.47	116,795.77
1974	9,458.86	4,655.86	9,453.14	10,273.99	4,038.41	17,220.07	5,142.26	25,997.31	31,991.03	118,230.93
1975	9,247.57	4,638.57	9,414.43	10,274.56	4,054.54	17,471.31	5,301.37	26,702.14	32,561.59	119,666.08
1976	9,036.29	4,621.29	9,375.71	10,275.13	4,070.67	17,722.56	5,460.49	27,406.97	33,132.14	121,101.25
1977	8,825.00	4,604.00	9,337.00	10,275.70	4,086.80	17,973.80	5,619.60	28,111.80	33,702.70	122,536.40
1978	8,613.71	4,586.71	9,298.29	10,276.27	4,102.93	18,225.04	5,778.71	28,816.63	34,273.26	123,971.55
1979	8,402.43	4,569.43	9,259.57	10,276.84	4,119.06	18,476.29	5,937.83	29,521.46	34,843.81	125,406.72
1980	8,191.14	4,552.14	9,220.86	10,277.41	4,135.19	18,727.53	6,069.95	30,226.29	35,414.37	126,814.88
1981	7,979.86	4,534.86	9,182.14	10,277.98	4,151.32	18,978.78	6,229.07	30,931.12	35,984.92	128,250.05
1982	7,768.58	4,517.58	9,143.42	10,278.55	4,167.45	19,230.03	6,388.19	31,635.95	36,555.47	129,685.22
1983	7,557.30	4,500.30	9,104.70	10,279.12	4,183.58	19,481.28	6,547.31	32,340.78	37,126.02	131,120.39
1984	7,346.02	4,483.02	9,065.98	10,279.69	4,199.71	19,732.53	6,706.43	33,045.61	37,696.57	132,555.56
1985	7,134.74	4,465.74	9,027.26	10,280.26	4,215.84	19,983.78	6,865.55	33,750.44	38,267.12	133,990.73

Source: USDA Forest Service. 1982. An analysis of the timber situation in the United States: 1952-2030. Forest Resource Report 23. Washington, DC. 499 p. Appendix 4. Roundwood supplies, net annual growth, and growing stock inventory, by region, ownership, and softwood and hardwood, 1952, 1962, 1970, and 1976. Data between assessment years were estimated, and data after 1976 were extrapolated to 1985.

Table 3—Volume of timber sold on National Forest Regions in the United States, by year, 1950-85^{1/}

(In million board feet, Scribner log scale)

Year	Northern Region (R1SV)	Rocky Mountain Region (R2SV)	South- western Region (R3SV)	Inter- mountain Region (R4SV)	Pacific Southwest Region (R5SV)	Pacific Northwest region-- west side (R6WSV)	Pacific Northwest region-- east side (R6ESV)	Southern Region (R8SV)	Eastern Region (R9SV)	Alaska Region (R10SV)	Total (NFSV)
1950	533.60	135.84	504.60	173.40	570.08	1,462.27	381.12	462.47	488.96	87.12	4,799.46
1951	895.90	381.65	184.90	154.10	675.84	1,249.95	367.06	614.95	416.04	8,331.31	13,271.70
1952	529.00	148.83	88.90	123.00	459.30	1,707.62	560.13	469.00	358.50	186.42	4,630.70
1953	662.00	245.06	240.40	127.80	545.32	1,367.59	496.21	529.73	421.77	77.23	4,713.11
1954	1,107.00	269.10	262.40	269.10	1,058.48	3,282.92	544.38	584.05	381.71	95.79	7,854.93
1955	738.70	295.70	291.30	320.00	1,300.63	2,169.43	691.03	694.64	440.32	3,126.01	10,067.76
1956	666.70	438.80	199.80	326.58	956.61	2,231.80	633.92	803.20	550.89	71.49	6,879.79
1957	616.90	172.80	340.40	275.10	731.74	2,052.44	655.73	774.13	393.75	54.02	6,067.01
1958	1,148.35	302.44	350.93	311.39	1,238.29	3,554.94	816.13	869.02	278.32	5,378.99	14,248.80
1959	1,188.31	462.26	162.17	421.97	1,241.66	3,140.46	838.50	862.38	409.68	166.01	8,893.40
1960	1,161.11	266.85	352.35	655.34	1,400.77	3,085.11	753.89	801.80	383.92	340.66	9,201.80
1961	1,209.72	324.70	197.37	341.64	969.09	3,208.75	768.41	831.85	356.06	125.82	8,333.41
1962	1,356.92	400.01	145.02	272.45	1,543.73	3,045.67	1,132.37	873.43	378.37	198.43	9,346.40
1963	1,520.45	744.69	448.52	444.45	1,894.50	4,323.74	1,783.23	869.11	519.89	164.25	12,712.83
1964	1,535.24	469.59	460.08	416.16	2,276.13	3,132.01	1,219.95	854.03	507.37	208.26	11,078.82
1965	1,576.38	346.34	642.14	457.62	2,274.75	3,160.93	1,264.15	846.46	581.20	469.12	11,619.09
1966	1,577.88	249.84	440.67	478.97	2,067.89	3,451.01	1,287.04	938.71	740.90	734.64	11,967.55
1967	1,416.99	308.21	204.42	484.30	2,080.25	3,039.09	1,390.54	1,007.11	567.48	339.83	10,838.22
1968	1,674.42	375.50	255.90	493.95	2,059.95	3,531.73	1,233.84	990.86	606.13	9,489.20	20,711.48
1969	2,193.23	393.51	256.01	652.71	1,765.85	3,358.86	1,238.50	1,108.49	724.72	214.44	11,906.32
1970	972.52	202.18	456.90	551.99	2,870.55	3,753.21	1,666.88	1,015.26	624.90	343.69	12,458.08
1971	797.08	243.85	421.34	386.80	1,194.70	3,170.23	1,423.95	1,051.57	465.29	79.60	9,234.41
1972	1,321.74	333.97	403.50	449.89	1,933.77	3,692.58	1,296.26	1,189.64	537.43	34.12	11,192.90
1973	1,011.97	326.88	391.31	495.76	2,202.46	3,140.08	1,466.28	1,268.92	661.55	73.90	11,039.11
1974	1,036.11	233.02	237.60	293.95	1,787.20	3,264.76	1,553.97	1,003.82	453.54	128.25	9,992.22
1975	892.79	385.49	368.33	413.41	1,870.80	3,552.25	1,506.20	986.45	494.37	147.44	10,617.53
1976	871.99	290.68	293.37	290.47	1,424.41	2,489.27	1,134.97	905.26	417.16	15.81	8,133.39
1977	1,043.29	325.66	281.54	424.57	1,705.81	3,285.49	1,377.29	1,117.01	550.22	1.29	10,112.17
1978	1,090.87	366.77	386.28	364.04	1,983.07	3,351.39	1,490.02	1,127.70	591.19	178.29	10,929.62
1979	1,089.08	382.28	368.36	330.30	2,051.84	3,674.30	1,690.58	1,327.08	593.11	132.17	11,639.10
1980	1,158.53	324.85	338.11	368.74	1,867.27	3,758.44	1,568.21	1,193.49	602.66	147.67	11,327.97
1981	1,033.74	417.66	444.72	342.04	1,886.77	3,616.13	1,678.60	1,252.05	669.62	165.75	11,507.08
1982	1,004.83	338.70	358.03	342.57	1,674.12	3,485.69	1,471.34	1,139.52	606.61	73.96	10,495.37
1983	1,055.30	329.98	355.25	395.41	1,782.37	3,333.52	1,625.82	1,374.53	623.13	82.17	10,957.48
1984	865.93	455.81	409.38	381.29	1,473.18	3,278.20	1,629.40	1,337.96	817.17	60.21	10,708.53
1985	948.39	443.65	293.04	428.66	1,602.69	2,792.33	1,441.99	1,347.47	796.69	51.11	10,146.02

^{1/}Includes small volumes of hardwoods in the western regions and substantial volumes of hardwoods in both the Southern and Eastern Regions.

Source: USOA Forest Service, Timber wt and sold on National Forests, convertible products, by Region and calendar year.

Table 4—Volume of softwood timber harvested on National Forest Regions in the United States, by year, 1950-85^{1/ 2/}

(In million board feet, Scribner log scale)

Year	Northern Region (R1CV)	Rocky Mountain Region (R2CV)	South- western Region (R3CV)	Inter- mountain Region (R4CV)	Pacific Southwest Region (R5CV)	Pacific Northwest Region-- west side (R6WCV)	Pacific Northwest Region-- east side (R6ECV)	Southern Region (R8CV)	Eastern Region (R9CV)	Alaska Region (R10CV)	Total (NFCV)
1950	316.00	203.50	263.20	128.50	569.68	1,399.77	484.97	509.18	299.05	59.87	4,233.72
1951	429.60	212.60	246.20	146.10	781.74	1,589.81	499.29	451.77	373.39	58.70	4,789.20
1952	553.10	198.40	231.50	135.20	633.22	1,626.22	463.44	502.98	358.42	69.32	4,771.80
1953	652.90	219.10	242.60	169.70	630.92	1,919.63	488.73	525.69	375.96	63.82	5,289.05
1954	739.70	209.30	264.00	227.10	788.90	1,966.64	619.15	586.24	367.95	111.01	5,879.99
1955	975.10	290.10	300.90	270.20	1,001.30	2,148.10	581.79	666.65	423.66	218.77	6,876.57
1956	962.60	285.30	303.40	332.80	1,071.74	2,112.91	681.17	749.74	462.94	232.22	7,194.82
1957	752.10	203.70	232.10	283.80	916.77	1,183.04	676.07	711.65	483.64	230.33	6,324.20
1958	813.71	274.44	268.48	266.12	1,112.23	2,348.57	750.28	769.64	362.78	175.80	7,142.05
1959	1,017.30	285.79	329.27	338.29	1,471.94	3,310.83	974.65	851.25	352.73	274.09	9,206.14
1960	968.97	250.07	253.88	310.81	1,315.37	2,794.34	769.93	855.01	397.60	351.11	8,267.09
1961	1,074.98	234.15	252.57	354.02	1,362.05	2,934.72	873.26	752.54	363.23	345.32	8,546.84
1962	1,167.87	249.19	365.80	343.72	1,367.36	3,407.21	1,026.29	817.33	335.78	373.43	9,453.98
1963	1,442.36	284.26	399.46	357.16	1,648.03	3,582.16	1,121.48	814.84	410.63	398.99	10,459.37
1964	1,368.74	281.58	399.20	394.65	1,853.53	3,790.82	1,230.60	812.77	429.85	445.11	11,006.85
1965	1,526.60	302.45	401.65	405.01	1,879.53	4,036.44	1,383.13	932.77	497.04	404.50	11,769.12
1966	1,492.76	384.54	431.86	460.06	1,928.54	3,453.92	1,274.53	871.19	553.82	475.50	11,326.72
1967	1,382.11	369.05	438.41	441.03	1,877.64	3,346.67	1,322.94	900.36	564.48	476.82	11,119.51
1968	1,610.02	407.13	462.14	474.31	2,352.11	3,893.66	1,419.77	904.98	532.57	533.30	12,589.99
1969	1,643.89	349.72	465.75	477.02	1,968.98	3,513.46	1,379.12	971.06	525.56	523.34	11,817.90
1970	1,323.41	336.06	395.42	396.41	1,824.06	3,000.23	1,101.81	902.09	557.76	560.98	10,398.23
1971	1,374.09	324.58	377.08	435.44	2,047.84	3,079.88	1,271.82	971.33	545.22	529.41	10,956.69
1972	1,188.63	315.66	400.19	487.55	2,203.03	3,813.76	1,519.89	1,154.25	525.26	550.52	12,158.74
1973	1,133.74	329.39	350.66	470.72	2,010.69	3,906.70	1,462.92	913.60	498.79	591.60	11,668.81
1974	1,019.39	294.96	366.72	403.25	1,734.55	2,934.11	1,451.31	1,068.13	505.57	549.63	10,327.62
1975	840.32	245.12	394.04	356.67	1,508.74	2,356.29	1,408.31	900.15	421.72	413.05	8,844.41
1976	1,101.06	305.03	396.79	468.67	1,889.59	2,858.22	1,537.65	1,120.33	459.14	472.18	10,608.66
1977	1,007.96	310.96	412.15	431.41	1,801.28	2,720.24	1,393.36	1,002.54	443.71	491.49	10,015.10
1978	1,005.80	276.52	345.18	397.62	1,798.15	3,067.34	1,446.86	1,145.18	508.90	408.57	10,400.12
1979	957.52	293.85	385.80	412.72	1,726.55	3,123.62	1,259.84	1,044.63	544.86	459.51	10,208.90
1980	834.11	240.01	336.07	268.95	1,507.82	2,349.61	1,139.81	1,209.84	551.38	453.69	8,891.29
1981	863.98	256.78	267.64	301.25	1,091.94	1,923.66	1,055.10	1,088.46	578.17	387.50	7,814.48
1982	528.86	258.69	180.03	287.81	937.32	1,567.99	890.23	787.08	591.33	345.51	6,374.85
1983	1,071.94	345.81	378.42	417.19	1,676.28	2,744.72	1,542.76	1,241.80	633.47	251.72	10,304.11
1984	921.72	386.66	401.62	385.90	1,559.14	2,953.72	1,715.46	1,243.54	757.03	250.90	10,575.69
1985	991.92	372.17	426.73	438.18	1,815.48	2,977.20	1,776.58	1,438.66	706.14	265.65	11,208.73

^{1/}Includes softwood and hardwood sawtimber, pulpwood, and other convertible products.

^{2/}Includes small volumes of hardwoods in the western regions and substantial volumes of hardwoods in both the Southern and Eastern Regions.

Source: USDA Forest Service. Timber cut and sold on National Forests, convertible products, by Region and calendar year.

Table 5—Volume of softwood timber harvested on other public lands in the United States, by supply region and year, 1950-85^{1/}

(In million cubic feet)

Year	Pacific Northwest--west side (COGWW)	Pacific Northwest--east side (COGWE)	Pacific South-west (COGSW)	Northern Rocky Mountains (COGIR)	Southern Rocky Mountains (COGSR)	North Central (COGNC)	North-east (COGNE)	South Central (COGSC)	South-east (COGSE)	Total (COGUS)
1950	307.18	74.97	5.58	69.74	29.32	51.32	7.11	55.86	56.13	657.21
1951	249.47	74.23	7.22	58.19	23.82	50.14	8.54	47.16	56.00	574.77
1952	219.50	74.29	6.84	62.19	23.42	44.17	8.25	46.28	55.42	540.36
1953	262.15	97.07	7.61	56.03	26.69	38.84	8.18	42.76	54.77	594.10
1954	289.34	75.29	8.57	60.41	26.81	48.70	6.78	43.04	51.42	610.36
1955	258.94	88.42	8.87	44.47	26.86	39.54	6.79	41.67	53.31	568.87
1956	235.14	80.49	11.05	58.53	32.79	40.80	7.52	43.04	55.56	564.92
1957	256.37	53.48	11.92	49.64	46.65	54.97	7.27	36.66	49.97	566.93
1958	245.75	82.34	13.45	55.65	36.89	46.22	5.97	36.37	45.25	567.89
1959	262.04	86.08	16.94	61.56	40.31	51.83	5.77	37.40	48.35	610.28
1960	237.31	85.79	15.39	46.31	38.92	49.66	6.34	33.13	43.02	555.87
1961	293.92	81.56	16.77	43.10	38.95	46.66	6.17	32.58	41.96	601.67
1962	305.06	94.48	18.95	44.33	29.56	44.85	6.58	31.71	40.46	615.98
1963	421.31	102.47	20.74	38.43	28.40	51.40	6.67	31.97	43.95	745.34
1964	460.07	131.75	24.31	51.09	39.76	44.43	7.02	33.32	48.23	839.98
1965	436.03	131.31	25.11	51.49	39.13	44.59	7.42	35.16	53.07	823.31
1966	419.33	130.65	26.42	49.38	40.75	47.62	8.20	36.54	55.49	814.38
1967	383.80	157.50	24.78	60.51	36.21	43.87	8.30	35.90	55.66	806.53
1968	471.99	139.88	32.50	54.76	40.74	42.50	8.49	38.14	60.01	889.01
1969	383.10	91.48	29.39	51.73	38.06	40.57	8.19	40.33	63.65	746.50
1970	393.52	81.32	28.01	62.31	38.69	43.38	9.08	40.61	65.91	762.83
1971	431.23	97.63	25.44	65.19	42.20	40.14	8.61	42.16	64.88	817.48
1972	507.43	85.49	25.96	65.59	38.26	40.46	8.17	44.01	66.95	882.32
1973	491.48	96.28	23.63	75.48	35.58	42.63	9.89	44.43	68.33	887.73
1974	440.89	79.04	15.87	55.63	29.11	45.63	10.81	42.72	66.75	786.45
1975	305.72	59.86	12.63	42.04	25.09	44.51	9.59	42.78	61.23	603.45
1976	505.00	77.74	13.04	61.63	31.94	48.55	12.43	46.99	65.96	863.28
1977	503.56	99.90	14.55	63.89	36.08	52.59	13.19	49.90	71.49	905.15
1978	490.65	96.95	14.58	77.22	48.53	56.84	15.11	51.57	76.22	927.67
1979	557.44	111.76	14.12	62.17	54.34	58.40	15.23	53.99	82.18	1,009.63
1980	453.41	68.67	10.89	52.49	69.66	55.25	16.30	54.56	83.40	864.63
1981	337.28	70.52	11.43	57.70	71.94	38.50	14.95	52.66	89.52	744.50
1982	223.35	51.47	10.92	41.18	80.70	43.31	15.19	52.48	88.81	607.41
1983	381.02	54.14	9.31	51.20	64.17	41.91	17.20	56.39	95.91	771.25
1984	492.56	60.86	11.79	55.67	75.09	42.66	18.26	57.73	99.25	913.87
1985	496.24	57.22	11.27	26.39	71.24	42.83	18.02	57.30	98.20	878.71

^{1/}**Computed** from softwood lumber, plywood, roundwood pulpwood, miscellaneous products, fuelwood, and log trade. All products are split into harvest shares for four owner groups: National Forest, other public lands, forest industry, and other private landowners. These shares are estimated from Individual State timber harvest reports for Washington, Oregon, California, and Idaho; and from interpolating data on timber harvest, in roundwood equivalents, by landowner, from the timber removal tables reported in USDA Forest Service (1982).

Source: USDA Forest Service. 1982. An analysis of the timber situation in the United States: 1952-2030. Forest Resource Report 23, Washington, DC. 499 p.

Table 6—Volume of softwood timber harvested by forest industry in the United States, by supply region and year, 1950-85^{1/}

(In million cubic feet)

Year	Pacific Northwest-- west side (CFIW)	Pacific Northwest-- east side (CFIUE)	Pacific South-west (CFISU)	Northern Rocky Mountains (CFINR)	Southern Rocky Mountains (CFISR)	North Central (CFINC)	North-east (CFINE)	South Central (CFISC)	South-east (CFISE)	Total (CFIUS)
1950	1,171.36	74.61	267.74	104.39	0.46	53.20	102.87	654.39	346.46	2,775.48
1951	1,216.67	93.25	298.42	89.50	0.54	50.14	124.71	552.04	343.74	2,769.01
1952	1,271.00	123.65	304.67	98.61	0.51	42.38	121.59	542.69	338.25	2,843.35
1953	1,146.14	141.30	358.57	92.11	0.76	35.71	122.17	487.25	332.39	2,716.40
1954	1,070.16	157.00	360.74	101.98	0.73	42.85	102.11	489.63	310.27	2,635.47
1955	1,166.25	159.50	372.52	78.07	0.89	33.42	96.81	474.51	319.87	2,701.84
1956	1,128.69	123.19	425.88	105.80	1.06	32.93	108.63	490.69	331.44	2,748.31
1957	1,058.27	126.02	405.24	93.67	1.75	42.30	105.87	404.47	296.36	2,533.95
1958	1,033.36	144.83	400.75	109.40	1.34	34.02	88.07	400.04	266.81	2,478.62
1959	1,039.51	152.97	450.98	125.84	1.67	36.26	85.82	411.43	283.44	2,587.92
1960	1,057.85	165.64	393.90	99.11	1.79	32.76	95.17	364.46	250.72	2,461.40
1961	999.73	149.65	392.87	96.35	1.74	29.14	93.73	343.87	243.08	2,350.16
1962	1,007.37	153.15	396.15	104.35	1.45	26.57	94.84	334.16	241.34	2,359.38
1963	1,000.32	134.68	367.29	90.46	1.76	30.88	100.47	355.46	260.77	2,342.09
1964	1,054.74	167.84	365.58	119.55	3.22	26.88	104.13	390.15	294.04	2,526.13
1965	1,106.64	153.33	340.32	120.51	3.75	27.35	108.50	417.48	321.63	2,599.51
1966	1,169.04	166.05	328.51	114.89	4.78	29.41	118.48	459.13	344.39	2,734.68
1967	1,171.48	146.12	302.15	140.77	4.84	27.46	124.49	476.53	353.06	2,746.90
1968	1,213.70	152.46	324.97	127.40	6.48	26.79	125.75	537.56	377.90	2,893.01
1969	1,064.41	137.52	339.88	119.66	7.04	25.74	119.86	602.93	408.70	2,825.74
1970	1,326.88	152.90	340.75	144.13	7.96	27.88	131.42	615.27	430.98	3,178.17
1971	1,238.28	136.45	328.88	148.11	7.18	26.08	121.26	664.01	424.19	3,094.44
1972	1,123.96	110.51	352.86	158.41	4.97	26.57	112.45	719.57	437.72	3,047.02
1973	1,041.24	109.71	392.30	175.45	3.32	28.48	132.75	753.17	446.80	3,083.22
1974	1,187.40	127.07	313.20	146.79	1.92	30.68	141.73	749.79	436.47	3,135.05
1975	1,201.21	103.61	295.35	192.10	0.87	30.24	122.95	739.51	400.33	3,086.17
1976	1,372.63	110.78	328.75	183.56	0.35	33.55	156.48	839.12	431.29	3,456.51
1977	1,357.18	103.00	360.88	212.48	0.39	36.72	162.73	919.52	467.45	3,620.35
1978	1,356.02	104.21	339.37	211.30	0.51	40.11	182.75	979.84	498.34	3,712.45
1979	1,284.06	120.75	324.75	208.39	0.55	41.64	180.81	1,056.57	537.31	3,754.83
1980	1,320.16	107.85	247.35	195.37	0.69	39.88	190.62	1,048.95	547.45	3,698.32
1981	1,135.02	118.96	247.08	142.74	0.69	28.07	171.88	1,041.32	587.60	3,473.36
1982	1,338.07	150.89	233.75	166.57	0.75	31.91	171.82	1,066.27	582.98	3,743.01
1983	1,362.19	113.57	197.83	155.25	0.59	31.20	191.59	1,176.59	629.57	3,858.38
1984	1,249.73	79.55	250.56	167.00	0.69	31.76	203.35	1,204.46	651.50	3,838.60
1985	1,259.08	74.79	239.39	180.64	0.65	31.89	200.76	1,195.49	644.60	3,827.29

^{1/}Computed from softwood lumber, plywood, roundwood pulpwood, miscellaneous products, fuelwood, and log trade. All products are split into harvest shares for four owner groups: National Forest, other public lands, forest industry, and other private landowners. These shares are estimated from individual State timber harvest reports for Washington, Oregon, California, and Idaho; and from interpolating data on timber harvest, in roundwood equivalents, by landowner, from the timber removal tables reported in USDA Forest Service (1982).

Source: USDA Forest Service. 1982. An analysis of the timber situation in the United States: 1052-2030. Forest Resource Report 23. Washington, DC. 499 p.

Table 7—Volume of softwood timber harvested by other private landowners in the United States, by supply region and year, 1950-85^{1/}

(In million cubic feet)

Year	Pacific Northwest--west side (COPWW)	Pacific Northwest--east side (COPWE)	Pacific South-west (COPSW)	Northern Rocky Mountains (COPNR)	Southern Rocky Mountains (COPSR)	North Central (COPNC)	North-east (COPNE)	South Central (COPSC)	South-east (COPSE)	Total (COPUS)
1950	317.41	79.66	353.50	114.23	49.70	100.76	361.71	694.29	1,521.32	3,592.58
1951	325.13	96.24	380.24	94.29	38.44	98.22	432.78	625.55	1,517.85	3,608.74
1952	334.47	123.65	360.13	100.65	35.90	85.75	417.03	654.88	1,502.06	3,614.52
1953	294.66	136.70	397.47	90.58	38.99	74.90	411.78	624.61	1,484.41	3,554.10
1954	271.50	146.50	376.16	96.41	37.10	93.06	340.20	671.22	1,393.56	3,425.71
1955	291.56	144.47	361.88	70.83	35.40	75.41	318.02	690.93	1,444.93	3,433.43
1956	276.29	107.98	385.70	92.29	41.26	77.31	350.81	760.42	1,505.85	3,597.91
1957	256.37	106.96	344.73	78.06	55.69	103.25	338.05	665.96	1,354.31	3,303.38
1958	245.75	119.14	311.99	86.77	41.81	86.65	276.54	704.77	1,226.37	3,099.79
1959	242.55	121.18	328.17	94.79	43.89	96.32	266.48	772.10	1,310.50	3,275.98
1960	243.35	127.36	268.94	70.98	40.27	91.93	291.86	727.70	1,166.09	3,028.48
1961	225.61	110.55	248.97	64.66	38.30	85.65	282.74	734.80	1,137.28	2,928.56
1962	223.86	109.72	233.39	66.03	27.95	82.16	282.58	762.22	1,137.31	2,925.22
1963	221.25	90.76	215.19	55.64	24.89	94.38	282.19	794.02	1,133.89	2,912.21
1964	230.04	107.38	208.00	71.10	31.94	81.96	275.74	858.05	1,185.49	3,049.70
1965	237.14	91.49	192.24	69.54	28.59	82.24	271.26	897.94	1,202.91	3,073.35
1966	249.06	94.40	187.59	63.99	26.41	88.24	280.00	967.50	1,201.29	3,158.48
1967	245.83	77.87	175.85	75.33	20.30	81.47	279.27	988.95	1,151.42	3,096.29
1968	253.53	76.23	177.78	65.93	19.16	79.29	267.26	1,093.29	1,153.16	3,185.63
1969	254.63	44.87	187.39	59.57	14.08	76.03	241.58	1,207.89	1,170.83	3,256.87
1970	184.15	49.25	192.32	69.23	10.15	81.28	251.39	1,206.17	1,159.42	3,203.36
1971	159.00	70.58	165.35	72.79	14.07	75.02	226.37	1,231.05	1,137.81	3,152.04
1972	208.05	44.31	158.64	78.58	15.16	75.26	204.31	1,260.89	1,170.68	3,215.88
1973	311.61	57.65	157.87	87.72	16.13	78.74	235.45	1,250.83	1,191.46	3,387.46
1974	270.55	59.03	113.14	73.65	14.82	83.50	245.43	1,179.15	1,160.51	3,199.78
1975	195.14	30.32	95.64	98.09	13.99	81.03	208.23	1,102.13	1,059.68	2,884.25
1976	190.72	43.73	91.97	94.10	19.34	87.93	257.66	1,188.20	1,138.28	3,111.93
1977	212.73	63.66	91.68	110.54	23.28	94.76	261.69	1,235.53	1,230.04	3,323.91
1978	169.84	57.03	78.21	111.62	33.36	101.87	287.53	1,252.43	1,307.41	3,399.30
1979	199.68	61.78	67.53	110.00	39.44	104.35	277.87	1,282.80	1,403.32	3,546.77
1980	132.77	39.18	46.29	104.97	52.85	97.29	284.94	1,210.13	1,417.82	3,386.24
1981	117.14	35.26	41.33	77.44	57.07	67.41	251.45	1,144.25	1,517.21	3,308.56
1982	115.74	26.72	34.78	90.69	66.37	75.61	245.59	1,113.98	1,500.72	3,270.20
1983	129.50	24.83	25.93	85.52	54.50	72.74	267.56	1,171.46	1,615.73	3,447.77
1984	204.36	35.65	32.85	93.31	63.77	74.05	283.98	1,199.21	1,672.02	3,659.20
1985	205.89	33.51	31.38	101.46	60.51	74.34	280.37	1,190.29	1,654.31	3,632.06

^{1/}Computed from softwood lumber, plywood, roundwood pulpwood, miscellaneous products, fuelwood, and log trade. All products are split into harvest shares for four owner groups: National Forest, other public lands, forest industry, and other private landowners. These shares are estimated from individual State timber harvest reports for Washington, Oregon, California, and Idaho; and from interpolating data on timber harvest, in roundwood equivalents, by landowner, from the timber removal tables reported in USDA Forest Service (1982).

Source: USDA Forest Service. 1982. An analysis of the timber situation in the United States: 1952-2030. Forest Resource Report 23. Washington, DC. 499 p.

Table 8—Volume of softwood timber harvested by all landowners in the United States, by supply region and year, 1950-85^{1/ 2/}

(In million cubic feet)

Year	Pacific Northwest-- west side (CALWW)	Pacific Northwest-- east side (CALVE)	Pacific South-west (CALSW)	Northern Rocky Mountains (CALNR)	Southern Rocky Mountains (CALSR)	North Central (CALNC)	North-east (CALNE)	South Central (CALSC)	South-east (CALSE)	United States (CALUS)
1950	2,075.57	341.50	728.06	414.60	131.24	235.41	474.07	1,596.06	1,935.52	7,932.03
1951	2,090.49	372.51	824.80	395.56	111.23	228.95	569.44	1,387.02	1,931.10	7,911.10
1952	2,148.40	440.29	784.19	434.20	105.36	199.88	550.17	1,402.31	1,911.02	7,975.82
1953	2,102.62	469.94	875.77	441.66	114.16	174.19	545.41	1,295.87	1,888.56	7,908.18
1954	2,042.60	498.94	879.12	487.92	116.58	216.43	451.80	1,345.13	1,772.97	7,811.49
1955	2,166.36	505.32	921.21	492.50	122.34	174.97	424.59	1,344.22	1,838.34	7,989.85
1956	2,082.35	432.21	1,013.08	564.57	134.79	178.96	470.25	1,434.76	1,915.83	8,226.80
1957	1,954.88	413.55	924.98	462.86	149.74	239.00	454.37	1,221.95	1,723.05	7,544.38
1958	2,016.39	491.93	923.84	515.56	132.86	200.11	373.20	1,254.04	1,560.27	7,468.20
1959	2,237.01	549.35	1,057.67	601.95	150.64	222.45	360.60	1,335.82	1,667.30	8,182.79
1960	2,123.31	528.20	912.00	514.45	130.92	211.34	396.54	1,227.15	1,483.57	7,527.48
1961	2,132.37	511.23	900.66	528.13	128.67	196.90	385.73	1,206.56	1,446.92	7,437.17
1962	2,247.87	556.51	891.49	557.74	130.91	188.44	387.10	1,219.55	1,445.13	7,624.74
1963	2,390.60	545.57	896.10	590.51	133.63	215.98	392.48	1,278.62	1,464.97	7,908.46
1964	2,537.55	645.78	927.29	640.12	153.44	186.70	390.02	1,388.44	1,555.76	8,425.10
1965	2,618.48	644.54	891.69	676.77	150.46	187.33	390.30	1,464.83	1,608.17	8,632.57
1966	2,557.52	638.41	885.24	683.63	156.89	200.09	409.95	1,588.67	1,632.19	8,752.59
1967	2,498.23	638.22	836.46	703.67	147.58	184.33	414.97	1,631.94	1,590.36	8,645.76
1968	2,753.31	644.08	953.25	733.46	157.27	178.57	404.33	1,816.09	1,621.89	9,262.25
1969	2,431.67	541.52	906.59	712.28	150.77	170.46	372.23	2,016.50	1,675.01	8,977.03
1970	2,529.69	497.28	885.24	676.20	134.58	182.25	394.64	2,030.59	1,690.12	9,020.59
1971	2,472.45	551.45	883.59	701.85	137.62	169.35	358.75	2,107.96	1,663.47	9,046.49
1972	2,635.74	535.24	928.97	690.62	137.11	171.44	326.89	2,200.51	1,716.55	9,343.07
1973	2,660.01	547.54	931.13	715.39	124.01	181.42	380.37	2,221.73	1,752.14	9,513.74
1974	2,512.08	533.00	750.46	610.69	117.97	194.19	400.37	2,136.14	1,711.67	8,966.57
1975	2,192.72	467.06	671.74	613.17	117.44	190.20	342.48	2,037.22	1,569.90	8,201.93
1976	2,661.84	530.67	769.56	704.52	129.69	208.36	428.73	2,237.66	1,691.35	9,362.38
1977	2,640.30	536.95	787.23	728.07	140.81	226.70	439.82	2,376.01	1,833.15	9,709.04
1978	2,655.58	538.98	751.74	727.41	150.30	246.06	487.34	2,455.75	1,954.27	9,967.43
1979	2,693.40	538.79	713.24	704.74	170.22	253.90	475.80	2,570.74	2,107.09	10,227.92
1980	2,397.34	436.90	572.50	614.47	189.31	240.23	493.83	2,479.78	2,138.48	9,562.84
1981	1,992.05	429.50	493.88	554.94	182.34	168.11	439.59	2,393.84	2,295.32	8,949.57
1982	2,005.32	401.83	446.02	507.95	183.23	189.97	433.90	2,385.39	2,277.27	8,830.88
1983	2,447.15	491.94	530.98	649.46	193.68	184.61	477.79	2,563.37	2,459.25	9,998.23
1984	2,564.84	508.97	572.28	646.05	218.54	187.93	507.11	2,624.10	2,544.93	10,374.75
1985	2,584.31	510.29	604.68	659.60	216.34	188.68	500.66	2,604.56	2,517.98	10,387.10

^{1/}USDA Forest Service reports small volumes of hardwoods in their harvest reports.

^{2/}Computed from softwood lumber, plywood, roundwood pulpwood, miscellaneous products, fuelwood, and log trade. All products are split into harvest shares for four owner groups: National Forest, other public lands, forest industry, and other private landowners. These shares are estimated from individual State timber harvest reports for Washington, Oregon, California, and Idaho; and from interpolating data on timber harvest, in roundwood equivalents, by landowner, from the timber removal tables reported in USDA Forest Service (1982).

Source: USDA Forest Service. 1982. An analysis of the timber situation in the United States: 1952-2030. Forest Resource Report 23. Washington, DC. 499 p.

Table 9—**Softwood** pulpwood production in the United States, by supply region and year, 1950-85

Year	Pacific Northwest-- west side (PULPWW)	Pacific Northwest-- east side (PULPWE)	Pacific South- west (PULPSW)	Northern Rocky Mountains (PULPNR)	Southern Rocky Mountains (PULPSR)	North Central (PULPNC)	North- east (PULPNE)	South Central (PULPSC)	South- east (PULPSE)
	- - Million cords - -		- - - Million cubic feet - - -		- - - - - Million cords - - - - -				
1950	3.48	0.09	19.11	18.00	1.31	1.12	2.32	5.05	6.14
1951	3.79	0.09	17.55	17.51	1.31	1.56	3.02	5.55	6.92
1952	3.56	0.08	16.00	17.03	1.31	1.40	3.19	5.77	7.03
1953	3.55	0.08	14.45	16.55	1.99	1.06	2.80	6.17	7.99
1954	3.55	0.08	12.89	16.06	2.66	1.21	2.53	6.16	7.96
1955	3.51	0.07	11.34	15.58	3.34	1.17	2.25	6.42	9.08
1956	3.97	0.08	9.78	15.10	4.01	1.36	2.51	6.96	9.98
1957	3.71	0.07	8.23	14.62	4.69	1.43	2.31	6.37	9.37
1958	2.88	0.05	6.68	14.13	5.37	1.25	1.99	6.57	8.95
1959	3.17	0.06	5.12	13.65	6.04	1.35	1.88	6.63	9.90
1960	3.36	0.06	3.57	13.17	6.72	1.38	2.39	6.41	10.11
1961	3.23	0.05	2.01	12.68	7.39	1.29	2.19	6.52	10.03
1962	3.32	0.05	0.46	12.20	8.07	1.27	2.22	6.47	10.33
1963	3.13	0.05	0.44	13.20	8.17	1.34	2.35	6.58	10.58
1964	3.09	0.04	0.43	14.20	8.27	1.29	2.40	7.28	11.25
1965	3.64	0.05	0.41	15.20	8.37	1.29	2.52	7.60	11.93
1966	3.53	0.04	0.39	16.20	8.47	1.41	2.75	8.65	12.16
1967	3.19	0.04	0.37	17.20	8.57	1.25	2.94	8.87	11.92
1968	3.37	0.04	0.36	18.20	8.67	1.10	2.83	10.22	12.13
1969	3.44	0.03	0.34	19.20	8.77	1.15	2.53	11.55	12.92
1970	3.98	0.04	0.32	20.21	8.87	1.33	2.89	12.20	13.65
1971	2.58	0.02	0.34	20.15	8.28	1.22	2.54	11.80	12.31
1972	1.52	0.02	0.37	20.08	7.69	1.25	2.18	12.11	12.72
1973	1.70	0.02	0.39	20.02	7.10	1.26	2.70	12.22	13.08
1974	2.98	0.03	0.41	19.95	6.50	1.46	2.93	13.02	13.19
1975	1.38	0.02	0.44	19.89	5.91	1.41	2.30	11.44	11.33
1976	3.33	0.04	0.46	19.83	5.32	1.38	2.53	11.91	11.69
1977	2.43	0.03	0.48	19.76	4.73	1.41	2.63	11.55	12.12
1978	1.63	0.02	0.51	19.70	4.14	1.47	2.81	11.73	12.40
1979	2.94	0.03	0.53	19.64	3.55	1.52	2.67	13.18	12.80
1980	3.24	0.04	0.55	19.57	2.96	1.56	2.90	14.03	13.26
1981	2.12	0.02	0.58	19.51	2.37	1.45	2.89	13.60	13.35
1982	2.41	0.03	0.60	19.44	1.78	1.66	3.04	12.40	13.22
1983	2.39	0.03	0.62	19.37	1.19	1.46	2.83	12.42	13.36
1984	2.79	0.03	0.64	19.30	0.60	1.64	3.20	12.67	13.80
1985	2.68	0.03	0.66	19.23	0.01	1.56	3.11	11.99	13.26

Sources: Pacific Northwest (west side and east side)—American Pulpwood Association. Pulpwood production data divided between regions from regional shares derived from timber assessment data and estimated for years between assessments. Pacific Southwest, Northern Rocky Mountains, and Southern Rocky Mountains—USDA Forest Service. 1982. An analysis of the timber situation in the United States: 1952-2030. Forest Resource Report 23. Washington, DC. 499 p. Pulpwood production data estimated from interpolation between assessment years. North Central—Pulpwood production in the North Central region by county. Annual. North Central Forest Experiment Station, St. Paul, MN. Resource Bulletin. Softwood pulpwood production, Lake States plus Central States. Northeast—Pulpwood production in the Northeast—annual. USDA Forest Service. Northeastern Forest Experiment Station, Broomall, PA. Resource Bulletin. Softwood roundwood pulpwood production in the Northeast, by State and species group, South Central and Southeast—Southern pulpwood production report, USDA Forest Service. Roundwood production in the South, by State and species group, all softwoods.

Table 10—Softwood fuelwood production in the United States, by supply region and year, 1950-85^{1/}

(In million cubic feet)

Year	Pacific Northwest-- west side (FUELWW)	Pacific Northwest-- east side (FUELYE)	Pacific South- west (FUELSY)	Northern Rocky Mountains (FUELNR)	Southern Rocky Mountains (FUELSR)	North Central (FUELNC)	North- east (FUELNE)	South Central (FUELSC)	South- east (FUELSE)	Total (FUELUS)
1950	14.62	2.44	0.48	18.05	39.67	37.30	5.86	109.65	311.93	540.00
1951	16.64	3.28	0.55	17.16	38.93	35.76	8.13	105.27	304.26	529.98
1952	17.18	3.83	0.59	14.84	34.89	31.22	9.62	92.01	270.83	475.01
1953	18.44	4.50	0.63	13.33	32.69	28.38	11.45	83.78	251.80	445.00
1954	19.65	5.16	0.69	11.84	30.47	25.56	13.21	75.61	232.81	415.00
1955	20.80	5.78	0.74	10.37	28.26	22.77	14.90	67.51	213.87	385.00
1956	21.84	6.38	0.78	8.91	26.06	20.01	16.51	59.50	195.00	354.99
1957	23.14	7.04	0.84	7.60	24.22	17.56	18.28	52.39	178.92	329.99
1958	24.41	7.69	0.89	6.29	22.38	15.11	20.02	45.32	162.89	305.00
1959	25.65	8.32	0.94	5.00	20.54	12.68	21.72	38.27	146.87	279.99
1960	26.84	8.94	0.98	3.71	18.70	10.27	23.38	31.28	130.90	255.00
1961	27.96	9.53	1.04	2.44	16.86	7.88	24.98	24.34	114.97	230.00
1962	29.72	10.33	1.10	1.22	15.39	5.66	27.14	17.92	101.52	210.00
1963	28.32	10.11	1.23	1.33	15.96	5.23	24.26	17.71	95.85	200.00
1964	26.92	9.89	1.36	1.45	16.58	4.81	21.33	17.51	90.14	189.99
1965	25.53	9.67	1.50	1.57	17.25	4.38	18.34	17.36	84.41	180.01
1966	24.13	9.48	1.65	1.69	17.97	3.95	15.28	17.22	78.62	169.99
1967	22.74	9.30	1.81	1.83	18.77	3.51	12.13	17.12	72.79	160.00
1968	19.92	8.52	1.85	1.85	18.37	2.85	8.26	15.94	62.44	140.00
1969	17.80	8.02	1.95	1.92	18.48	2.41	4.82	15.25	54.35	125.00
1970	14.99	7.19	1.94	1.89	17.71	1.70	1.41	13.88	44.29	105.00
1971	13.98	6.70	1.81	1.75	16.82	1.63	1.29	11.10	44.92	100.00
1972	12.35	5.92	1.59	1.54	15.10	1.48	1.12	8.20	42.70	90.00
1973	13.46	6.45	1.74	1.67	16.73	1.67	1.19	7.27	49.81	99.99
1974	14.55	6.98	1.88	1.79	18.36	1.86	1.27	6.10	57.21	110.00
1975	15.61	7.48	2.02	1.91	19.99	2.04	1.33	4.71	64.91	120.00
1976	16.64	7.98	2.15	2.03	21.61	2.23	1.39	3.14	72.84	130.01
1977	28.16	13.50	3.64	3.44	36.57	3.77	2.35	5.31	123.26	220.00
1978	42.88	20.56	5.54	5.23	55.68	5.75	3.58	8.09	187.69	335.00
1979	61.44	29.46	7.94	7.49	79.78	8.23	5.13	11.59	268.93	480.00
1980	86.39	41.43	11.16	10.54	112.20	11.58	7.22	16.30	378.18	675.00
1981	87.03	41.74	11.25	10.62	113.03	11.66	7.27	16.42	380.98	680.00
1982	94.07	45.11	12.15	11.48	122.17	12.61	7.86	17.75	411.79	735.00
1983	92.15	44.19	11.91	11.24	119.68	12.35	7.70	17.39	403.39	720.00
1984	92.79	44.50	11.99	11.32	120.51	12.44	7.75	17.51	406.19	725.00
1985	104.82	50.27	13.54	12.79	136.13	14.05	8.76	19.78	458.86	819.00

^{1/}National fuelwood production numbers provided by Ulrich (1987) were apportioned to regions from percentages derived from the 1952, 1862, 1970, and 1976 assessment data.

Sources:

Ulrich, Alice H. 1987. U.S. timber production, trade, consumption, and price statistics 1950-85. U.S. Department of Agriculture. Miscellaneous Publication **1453**. Table 5—Production, imports, exports, and consumption of softwood timber products, by major product, **1950-85**.

USDA Forest Service. 1982. An analysis of the timber situation in the United States: 1952-2030. Forest Resource Report 23. Washington, DC. 499 p.

Table 11—Softwood miscellaneous products production in the United States, by supply region and year, 1950-85^{1/}

(In million cubic feet)

Year	Pacific Northwest--west side (MISCW)	Pacific Northwest--east side (MISCWE)	Pacific South-west (MISCW)	Northern Rocky Mountains (MISCNR)	Southern Rocky Mountains (MISC SR)	North Central (HISCNC)	North-east (MISCNE)	South Central (MISCSC)	South-east (MISCSE)	Total (MISCUS)
1950	71.55	7.32	9.41	22.56	5.53	27.51	8.97	113.04	94.11	360.00
1951	67.84	6.79	8.88	21.21	5.30	25.78	9.99	106.08	88.12	340.00
1952	64.95	6.35	8.47	20.13	5.13	25.23	11.04	100.46	83.24	325.00
1953	64.41	6.13	8.35	19.76	5.14	23.85	12.49	98.49	81.38	320.00
1954	62.68	5.81	8.09	19.04	5.06	22.88	13.73	94.69	78.02	310.00
1955	60.96	5.47	7.82	18.32	4.99	21.92	14.95	90.90	74.66	300.00
1956	60.17	5.23	7.68	17.88	4.99	21.29	16.82	88.50	72.44	295.00
1957	58.53	4.91	7.43	17.18	4.91	20.35	17.66	84.84	69.19	285.00
1958	56.76	4.58	7.36	16.45	4.83	19.38	18.86	81.00	65.78	275.00
1959	56.07	4.34	7.23	16.02	4.85	18.77	20.42	78.68	63.63	270.00
1960	53.31	3.94	6.83	15.01	4.67	17.46	21.21	73.45	59.11	255.00
1961	52.62	3.68	6.70	14.58	4.68	16.85	22.82	71.13	56.93	250.00
1962	53.15	3.51	6.52	14.48	4.81	16.61	25.07	59.87	55.99	240.00
1963	59.71	3.72	7.31	15.84	5.40	17.52	25.62	76.23	58.66	270.00
1964	65.60	3.86	8.01	16.99	5.92	18.09	25.56	80.87	60.12	285.00
1965	71.79	3.98	8.75	18.16	6.47	18.60	25.33	85.56	61.36	300.00
1966	77.03	4.04	9.38	19.05	6.94	18.77	24.53	88.86	61.40	310.00
1967	73.47	3.64	8.93	17.78	6.61	16.83	21.01	82.12	54.60	285.00
1968	70.81	3.32	8.59	16.78	6.36	15.26	18.11	76.76	49.02	265.00
1969	69.17	3.06	8.38	16.07	6.21	14.01	15.71	72.79	44.58	250.00
1970	65.84	2.76	7.97	15.00	5.91	12.54	13.19	67.32	39.47	230.00
1971	64.91	3.21	7.12	14.75	5.59	12.68	13.04	71.15	37.55	230.00
1972	64.00	3.65	6.27	14.50	5.27	12.82	12.91	74.93	35.64	230.00
1973	64.47	4.18	5.55	14.56	5.07	13.24	13.05	80.38	34.50	235.00
1974	63.55	4.63	4.70	14.31	4.76	13.37	12.93	84.16	32.60	235.00
1975	62.65	5.08	3.87	14.07	4.44	13.50	12.79	87.89	30.72	235.00
1976	63.07	5.63	3.11	14.12	4.23	13.93	12.93	93.51	29.48	240.00
1977	63.46	6.19	2.32	14.16	4.00	14.36	13.06	99.25	28.19	245.00
1978	63.83	6.77	1.52	14.20	3.76	14.79	13.19	105.10	26.84	250.00
1979	64.18	7.36	0.68	14.23	3.52	15.23	13.32	111.06	25.43	255.00
1980	58.10	7.17	0.62	12.84	2.94	14.12	12.11	105.51	21.60	235.00
1981	52.22	6.91	0.57	11.50	2.42	12.99	10.93	99.37	18.11	215.00
1982	50.10	7.09	0.55	11.00	2.10	12.75	10.53	99.78	16.10	210.00
1983	57.42	8.66	0.63	12.56	2.15	14.96	12.12	119.53	16.97	245.00
1984	57.56	9.22	0.64	12.55	1.90	15.34	12.20	125.09	15.50	250.00
1985	55.41	9.41	0.62	12.03	1.57	15.11	11.80	125.60	13.44	245.00

^{1/}National miscellaneous products production numbers provided by Ulrich (1987) were apportioned to regions from percentages derived from the 1952, 1962, 1970, and 1976 assessment data.

Sources:

Ulrich, Alice H. 1987. U.S. timber production, trade, consumption, and price statistics 1950-85. U.S. Department of Agriculture, Miscellaneous Publication 1453. Table 5—Production, imports, exports, and consumption of softwood timber products, by major product, 1950-85.

USDA Forest Service. 1982. An analysis of the timber situation in the United States: 1952-2030. Forest Resource Report 23. Washington, DC. 499 p.

Table 12—Softwood sawtimber and pulpwood harvest ratios for the eastern supply regions, by year, 1950-85^{1/}

Year	North Central		Northeast		South Central		Southeast	
	Saw-timber (NCST)	Pulp-wood (NCPW)	Saw-timber (NEST)	Pulp-wood (NEPW)	Saw-timber (SCST)	Pulp-wood (SCPW)	Saw-timber (SEST)	Pulp-wood (SEW)
1950	0.5454	0.4546	0.5788	0.4212	0.7259	0.2741	0.7202	0.2798
1951	0.3539	0.6461	0.5427	0.4573	0.6505	0.3495	0.6852	0.3148
1952	0.3349	0.6651	0.4984	0.5016	0.6445	0.3555	0.6828	0.3172
1953	0.4148	0.5852	0.5543	0.4457	0.5883	0.4117	0.6388	0.3612
1954	0.4619	0.5381	0.5097	0.4903	0.6082	0.3918	0.6175	0.3825
1955	0.3823	0.6177	0.5332	0.4668	0.5933	0.4067	0.5864	0.4136
1956	0.3141	0.6859	0.5298	0.4702	0.5912	0.4088	0.5708	0.4292
1957	0.4791	0.5209	0.5498	0.4502	0.5602	0.4398	0.5510	0.4490
1958	0.4577	0.5423	0.5211	0.4789	0.5604	0.4396	0.5260	0.4740
1959	0.4841	0.5159	0.5284	0.4716	0.5874	0.4126	0.5182	0.4818
1960	0.4421	0.5579	0.4556	0.5444	0.5679	0.4321	0.4469	0.5531
1961	0.4483	0.5517	0.4840	0.5160	0.5553	0.4447	0.4428	0.5572
1962	0.4338	0.5662	0.4758	0.5242	0.5666	0.4334	0.4311	0.5689
1963	0.4864	0.5136	0.4575	0.5425	0.5799	0.4201	0.4282	0.5718
1964	0.4267	0.5733	0.4467	0.5533	0.5699	0.4301	0.4320	0.5680
1965	0.4300	0.5700	0.4241	0.5759	0.5769	0.4231	0.4206	0.5794
1966	0.4200	0.5800	0.4077	0.5923	0.5557	0.4443	0.4208	0.5792
1967	0.4408	0.5592	0.3796	0.6204	0.5561	0.4439	0.4188	0.5812
1968	0.4965	0.5035	0.3927	0.6073	0.5415	0.4585	0.4244	0.5756
1969	0.4453	0.5547	0.4147	0.5853	0.5333	0.4667	0.4096	0.5904
1970	0.4093	0.5907	0.3753	0.6247	0.5108	0.4892	0.3863	0.6137
1971	0.4112	0.5888	0.3960	0.6040	0.5453	0.4547	0.4372	0.5628
1972	0.4097	0.5903	0.4312	0.5688	0.5533	0.4467	0.4377	0.5623
1973	0.4330	0.5670	0.3947	0.6053	0.5545	0.4455	0.4314	0.5686
1974	0.3880	0.6120	0.3760	0.6240	0.5056	0.4944	0.4100	0.5900
1975	0.4038	0.5962	0.4269	0.5731	0.5449	0.4551	0.4429	0.5571
1976	0.4634	0.5366	0.4968	0.5032	0.5690	0.4310	0.4655	0.5345
1977	0.5003	0.4997	0.4890	0.5110	0.6057	0.3943	0.4755	0.5245
1978	0.5167	0.4833	0.5063	0.4937	0.6125	0.3875	0.4806	0.5194
1979	0.5080	0.4920	0.5178	0.4822	0.5832	0.4168	0.4847	0.5153
1980	0.4565	0.5435	0.4926	0.5074	0.5392	0.4608	0.4427	0.5573
1981	0.2618	0.7382	0.4314	0.5686	0.5371	0.4629	0.4839	0.5161
1982	0.2695	0.7305	0.3905	0.6095	0.5762	0.4238	0.4755	0.5245
1983	0.3314	0.6686	0.4883	0.5117	0.6049	0.3951	0.5191	0.4809
1984	0.2589	0.7411	0.4548	0.5452	0.6061	0.3939	0.5175	0.4825
1985	0.2943	0.7057	0.4626	0.5374	0.6243	0.3757	0.5235	0.4765

^{1/}**Sawtimber** is defined as timber harvested for lumber, plywood, and miscellaneous products. The ratio of sawtimber or pulpwood production to total production, excluding **fuelwood**, is calculated as follows:

$$\text{Regional sawtimber harvest ratio (xxST)} = \frac{\text{sawtimber}}{\text{sawtimber} + \text{pulpwood}}$$

$$\text{Regional pulpwood harvest ratio (xxPW)} = 1 - \text{xxST}.$$

Table 13—Value of timber sold in National Forest **Regions** in the United States, by year, 1950-85^{1/}

(In nominal dollars per thousand board feet, Scribner log scale)

Year	Northern Region (R1SP)	Rocky Mountain Region (R2SP)	South- western Region (R3SP)	Inter- mountain Region (R4SP)	Pacific Southwest Region (R5SP)	Pacific Northwest Region-- west side (R6WSP)	Pacific Northwest Region-- east side (R6ESP)	Southern Region ^{2/} (R8SP)	Eastern Region (R9SP)	Alaska Region (R10SP)
1950	6.08	3.03	6.35	6.16	14.03	12.24	15.35	26.70	21.65	2.40
1951	10.43	11.38	8.40	6.28	18.15	18.73	23.95	34.60	22.69	1.54
1952	8.12	3.93	8.42	7.11	11.27	10.36	13.47	38.50	26.44	5.62
1953	4.18	4.91	8.80	7.52	13.33	12.38	16.40	34.20	24.24	2.75
1954	5.10	4.21	6.60	7.65	12.97	14.17	16.92	29.70	21.13	3.11
1955	9.74	4.64	10.14	9.70	17.99	28.71	18.97	32.00	22.53	2.08
1956	11.81	6.59	10.14	10.37	17.21	29.04	13.79	37.40	24.64	2.93
1957	7.84	6.34	9.47	5.96	13.01	19.12	14.66	31.50	19.92	3.00
1958	5.74	3.31	4.26	5.58	10.19	15.21	10.06	31.10	18.31	1.78
1959	9.22	7.90	8.94	8.75	16.13	26.38	14.03	35.20	20.85	3.09
1960	7.33	6.75	2.94	7.69	14.52	23.39	16.27	34.50	18.95	2.98
1961	6.20	3.62	4.58	5.02	9.85	20.01	11.76	26.80	15.80	2.91
1962	6.64	4.18	4.51	6.19	11.29	18.36	11.58	26.00	19.65	2.21
1963	8.11	3.59	4.52	4.26	11.37	20.87	8.76	25.10	17.45	1.55
1964	9.96	3.32	4.40	4.67	13.30	27.74	14.48	27.80	18.40	2.07
1965	8.73	3.43	4.64	4.02	14.29	32.96	14.09	31.70	15.20	1.92
1966	9.96	3.88	4.48	4.16	14.25	37.05	15.54	38.60	17.90	7.50
1967	10.38	4.06	5.28	4.99	14.76	33.84	14.18	38.30	18.45	6.37
1968	23.83	9.38	9.34	7.43	28.20	48.52	20.91	42.20	16.35	6.31
1969	22.06	17.99	31.40	20.32	56.29	62.71	37.69	51.70	22.10	16.05
1970	10.47	5.95	15.65	6.31	23.20	30.99	12.89	44.10	19.40	12.91
1971	12.96	3.50	17.35	7.72	29.66	33.53	14.11	52.20	20.70	6.21
1972	25.90	12.96	31.38	22.61	46.66	56.88	26.07	65.60	24.70	7.60
1973	48.02	18.62	57.58	76.15	81.64	108.64	59.83	93.40	34.60	6.88
1974	35.62	11.62	37.75	45.32	78.14	149.87	73.44	76.20	44.15	25.82
1975	17.09	4.30	19.83	8.26	52.21	117.53	32.64	57.00	27.30	21.41
1976	32.96	7.70	33.01	16.42	77.87	124.40	59.99	87.00	30.95	21.80
1977	49.46	16.91	68.86	19.81	118.40	156.89	100.69	100.30	34.30	10.16
1978	61.35	23.21	86.19	36.75	145.80	184.31	149.61	134.50	37.75	33.99
1979	66.23	8.41	90.64	40.59	200.54	296.71	153.85	155.20	45.20	127.55
1980	46.48	5.48	49.11	26.80	242.22	311.11	119.35	155.40	45.36	93.84
1981	57.45	8.68	86.38	16.05	148.14	246.28	129.01	172.00	27.30	46.47
1982	33.22	5.72	23.32	11.52	52.23	82.94	48.58	127.20	26.56	31.37
1983	45.93	13.64	35.74	20.89	70.75	112.12	68.29	146.60	28.88	14.69
1984	33.16	12.27	35.03	16.42	61.21	86.00	64.18	139.40	31.44	17.61
1985	26.07	8.64	21.64	15.11	56.37	77.92	70.54	90.70	23.59	6.97

^{1/}**Prices** for timber sold on National Forests are statistical high bids. The statistical high bid is defined as the high bid value minus **credits** for road costs. Beginning in 1984, sold prices are reported as high bid value and are adjusted to statistical high bid by subtracting road costs.

^{2/}**Based** on southern pine only.

Sources: **Southern Region**—Ulrich, Alice H. 1987. U.S. timber production, trade, consumption, and price statistics 1950-85. U.S. Department of Agriculture, Miscellaneous Publication 1453. Table 18—**Average** stumpage prices for sawtimber sold from National Forests, by selected species, 1950-85. Southern pine, current dollars. **All other Regions**—USDA Forest Service. timber cut and sold on National Forests, convertible products, by Region and calendar year.

Table 14—Value of timber harvested in National Forest Regions in the United States, by year, 1950-85^{1/}

(In nominal dollars per thousand board feet, Scribner log scale)

Year	Northern Region (R1CP)	Rocky Mountain Region (R2CP)	South- western Region (R3CP)	Inter- mountain Region (R4CP)	Pacific Southwest Region (R5CP)	Pacific Northwest Region-- west side (R6WCP)	Pacific Northwest Region-- east side (R6ECP)	Southern Region (R8CP)	Eastern Region (R9CP)	Alaska Region (R10CP)
1950	7.08	3.41	5.59	5.19	10.06	11.02	14.03	14.90	8.29	2.11
1951	8.03	4.17	8.03	7.49	16.89	15.07	19.74	15.99	7.79	2.64
1952	8.72	5.29	9.17	6.40	16.39	16.29	19.24	19.18	7.82	3.18
1953	7.34	5.48	8.29	6.97	15.15	14.34	17.24	18.95	7.97	3.42
1954	2.40	5.34	7.86	6.43	11.87	13.76	15.18	16.96	7.60	2.75
1955	1.00	4.57	7.95	8.50	15.45	16.16	16.91	15.71	7.25	2.32
1956	1.00	3.89	9.10	10.12	18.90	23.73	21.23	19.02	6.90	2.36
1957	0.73	5.30	9.47	7.51	13.13	21.93	14.49	19.28	6.67	2.21
1958	6.73	5.79	6.39	6.18	11.55	20.24	12.88	18.50	5.26	2.29
1959	10.04	7.32	8.83	9.69	15.22	20.19	15.42	21.01	6.29	2.34
1960	8.62	7.74	9.23	9.04	12.70	22.64	12.70	23.75	6.76	2.49
1961	7.68	5.54	5.85	7.66	9.93	21.71	11.58	22.64	7.17	2.69
1962	7.19	4.76	5.34	8.26	11.25	19.99	12.53	20.52	7.24	2.54
1963	7.42	4.65	5.12	7.03	11.98	19.75	12.10	19.76	6.89	2.36
1964	7.95	4.14	5.49	5.95	12.31	20.10	12.73	19.78	6.49	2.06
1965	8.60	4.57	5.25	4.84	13.23	22.68	12.96	20.32	8.39	2.20
1966	10.21	5.24	5.65	5.13	15.04	28.75	15.90	22.81	10.01	2.35
1967	10.34	5.09	5.27	5.33	14.78	38.72	15.78	24.45	10.85	2.81
1968	16.52	9.56	10.21	8.28	22.72	36.58	22.58	24.46	11.93	3.68
1969	23.52	11.84	16.28	11.01	29.83	44.75	28.53	25.26	12.14	4.80
1970	16.53	8.82	14.36	10.48	24.90	38.49	22.52	27.10	11.76	7.88
1971	24.68	12.43	20.91	13.99	35.41	41.31	23.90	27.45	12.81	9.21
1972	33.68	16.25	27.54	49.66	44.08	48.94	30.73	29.14	11.87	6.51
1973	35.96	20.21	38.20	29.26	58.08	51.50	39.21	33.28	12.28	6.86
1974	29.87	14.41	41.90	28.88	54.64	65.45	39.82	38.22	12.65	10.63
1975	26.85	10.60	30.35	28.19	45.19	71.04	38.13	36.68	15.65	8.17
1976	40.83	17.20	50.25	55.17	69.38	95.01	63.87	41.25	14.84	6.31
1977	43.25	16.72	52.82	51.95	90.81	116.40	86.44	43.46	14.31	3.83
1978	50.55	17.85	66.16	32.23	102.41	133.91	104.11	52.45	15.38	4.37
1979	55.46	15.27	64.72	48.16	100.08	142.47	118.32	58.90	18.78	4.38
1980	35.97	11.48	44.27	24.06	86.82	142.44	90.16	55.24	20.91	16.42
1981	36.53	12.15	53.63	21.62	95.71	135.29	87.73	69.39	24.41	13.20
1982	22.39	6.97	25.29	11.13	47.80	87.07	53.87	68.39	25.38	14.85
1983	38.16	10.48	42.58	44.06	97.71	95.43	96.03	83.42	27.84	10.01
1984	40.89	13.79	30.84	16.90	80.11	87.03	100.52	80.89	27.19	14.91
1985	36.70	13.47	45.80	17.47	72.82	87.37	86.39	64.08	27.22	-10.47

^{1/}Includes small volumes of hardwoods in the western Regions and substantial volumes of hardwoods in both the Southern and Eastern Regions.

Source: USDA Forest Service. Timber cut and sold on National Forests, convertible products, by Region and calendar year.

Table 15—Pulpwood, chip, and residue prices in the Pacific Northwest (west side), the South Central, and the Southeast supply regions, by year, 1950-85

Year	Delivered southern pine pulpwood		Chips and residues		
	South Central (SCOELPW)	Southeast (SEOELPW)	Pacific Northwest-- west side (PRESW)	South Central (PRESSC)	Southeast (PRESSE)
	Nominal dollars per cord		Nominal dollars per bone-dry ton	Nominal dollars per ton green chips	
1950	13.10	12.55	8.71	0.00	0.00
1951	15.23	14.70	9.38	0.00	0.00
1952	15.41	14.70	10.05	0.00	0.00
1953	15.36	14.70	10.72	0.00	0.00
1954	15.23	14.75	11.38	0.00	0.00
1955	15.41	15.05	12.05	0.00	0.00
1956	16.40	16.45	12.72	0.00	0.00
1957	15.83	16.35	13.03	6.19	6.10
1958	16.17	16.10	12.85	6.22	6.10
1959	16.46	16.60	12.01	6.21	6.25
1960	16.91	17.20	12.24	6.26	6.50
1961	16.69	17.55	11.50	6.30	6.50
1962	16.60	17.35	11.49	6.33	6.65
1963	16.46	17.40	11.98	6.26	6.60
1964	16.65	18.05	12.02	6.21	6.50
1965	17.00	18.60	15.28	6.28	6.65
1966	17.67	19.70	14.97	6.58	7.30
1967	17.83	20.05	16.73	6.68	7.80
1968	18.79	21.00	17.76	6.86	8.10
1969	19.52	21.80	17.36	7.45	8.45
1970	19.91	21.45	16.55	7.13	8.75
1971	20.39	21.70	27.95	7.63	8.90
1972	21.81	23.65	18.86	7.79	9.75
1973	24.90	31.10	20.53	8.50	11.90
1974	29.49	36.80	32.59	11.12	14.45
1975	30.75	35.65	37.20	11.76	14.15
1976	30.77	36.60	34.87	12.39	14.40
1977	31.47	37.25	33.04	13.46	15.25
1978	33.15	37.85	31.76	14.66	15.90
1979	41.33	41.10	40.09	18.37	17.15
1980	45.36	45.05	90.10	21.08	19.80
1981	52.12	48.40	75.79	26.12	22.05
1982	54.33	49.95	70.50	27.95	23.10
1983	54.35	53.40	47.74	24.47	23.00
1984	57.10	56.95	51.19	26.61	23.50
1985	56.64	57.70	56.93	22.88	23.95

Sources: South Central delivered southern **pine** pulpwood— May, Dennis M. USDA Forest Service. Midsouth pulpwood prices. Southern Forest Experiment Station, Research Notes, updated annually. Table 4—Average prices for truck delivery of roundwood and chipped residues. Softwood roundwood, f.o.b. pulpmill. Southeast delivered southern **pine** pulpwood— Davenport, Edgar L. USDA Forest Service. Pulpwood prices in the Southeast. Southeastern Forest Experiment Station, Research Notes, updated annually. Table 2—Average prices for roundwood pulpwood in the Southeast. Softwood, truck wood, delivered to pulpmill. Pacific Northwest (west side) chips and residues, 1950-55— Data extrapolated from 1956-68 North West Pulp Producers Association data. 1956-68— North West Pulp Producers Association. 1969-85— USDA Forest Service. Pacific Northwest Region. Internal computation of recovery factors for selected mills. Converted to bonedry ton basis by the ratio of 1.2 bone-dry tons per bonedry units for Pacific Northwest (west side) lumber. South Central chips and **residues**—May, Dennis M. USDA Forest Service. Midsouth pulpwood prices. Southern Forest Experiment Station, Research Notes, updated annually. Table 2—Trends In average prices per green ton for Midsouth softwood chipped residues. Southeast chips and **residues**— Davenport, Edgar L. USDA Forest Service. Pulpwood prices in the Southeast. Southeastern Forest Experiment Station, Research Notes, updated annually. Table 3—Average prices for green chips and sawdust in the Southeast. Softwood, green chips.

Table 16—Logging and hauling costs for saw and veneer logs in selected supply regions, by year, 1950-85

(In nominal dollars per thousand board feet, Scribner log scale)

Year	Pacific Northwest--west side (NWLOCO)	Pacific Northwest--east side (WELOCO)	Pacific Southwest (SWLOCO)	Northern Rocky Mountains (NRLOCO)	Southern Rocky Mountains (SRLOCO)	A11 South (SLOCO)
1950	24.83	25.49	20.82	29.09	25.70	14.81
1951	29.35	27.00	23.37	29.66	25.69	15.56
1952	27.57	24.06	23.41	29.92	25.65	16.09
1953	25.98	23.58	23.76	29.96	25.63	16.64
1954	25.53	22.68	24.03	29.87	25.60	17.04
1955	26.50	23.76	24.26	29.97	25.79	18.05
1956	29.73	28.66	24.89	30.16	26.02	19.37
1957	28.46	27.36	25.14	30.05	26.30	20.13
1958	28.27	26.40	25.17	29.94	26.51	20.65
1959	29.04	27.03	26.87	30.33	26.74	21.25
1960	29.88	26.60	28.87	30.70	27.02	21.86
1961	29.18	25.57	27.27	31.10	27.62	22.88
1962	29.09	24.03	27.55	31.06	27.73	23.48
1963	28.22	23.35	27.72	31.46	28.20	24.41
1964	29.45	24.48	28.45	31.57	28.18	25.17
1965	29.31	25.07	25.93	32.10	28.25	25.93
1966	30.62	26.22	26.25	33.26	28.51	26.82
1967	31.12	27.38	27.85	34.47	29.46	27.98
1968	31.71	28.87	29.36	36.69	32.73	29.53
1969	34.91	32.42	31.30	40.95	33.23	30.62
1970	39.42	37.94	35.62	46.83	36.64	31.86
1971	46.81	41.23	41.05	52.91	41.89	33.33
1972	52.02	44.71	48.71	60.18	46.78	34.67
1973	56.12	49.68	55.48	71.25	55.12	36.66
1974	65.04	59.10	60.65	83.67	62.08	39.08
1975	68.53	62.72	70.23	91.44	67.13	41.78
1976	80.65	70.86	79.82	98.15	71.89	43.10
1977	88.85	78.64	87.28	108.92	71.70	47.16
1978	100.13	100.47	105.97	131.84	94.32	50.44
1979	105.47	109.46	125.64	142.87	99.61	53.50
1980	129.04	123.76	139.93	160.73	122.84	57.27
1981	142.75	112.57	142.87	142.75	109.83	60.87
1982	140.03	121.68	141.91	141.86	117.79	62.87
1983	131.49	112.64	142.86	137.48	123.64	64.00
1984	124.15	102.34	129.02	142.00	127.26	66.00
1985	123.80	112.24	119.03	138.98	127.92	67.00

Sources: All South, 1950-65—Data for South Central and Southeast supply regional average constructed from analysis of cost components (labor, energy, other) and calibrated with USDA Forest Service timber appraisal information. **1966-74**—USDA Forest Service, Southern Region. Summary of reports of timber sales (form 2400-17); report 5—summary of appraisal elements by product and measurement unit. Calendar year. Logging costs weighted by volume sold. 1975-85 — Data constructed from analysis of cost components and calibrated with USDA Forest Service timber appraisal information. **Other supply regions, 1950-65**—Data constructed from analysis of cost components and calibrated with USDA Forest Service timber appraisal information. **1966-83**—USDA Forest Service, Regional Offices. Summary of reports of timber sale (form 2400-17), report 5—summary of appraisal elements by product and measurement unit. Calendar year. Logging costs weighted by volume sold by each National Forest Region. **1984-85**—Data constructed from analysis of cost components and calibrated with USDA Forest Service timber appraisal information.

Table 17—Wholesale price indexes, by year, 1950-85

(Base year: 1967=1.00)

Year	A11 commodities (PPI)	Softwood lumber (PPILUH)	Softwood plywood (PPIPLY)
1950	0.818	0.881	1.480
1951	0.911	0.956	1.575
1952	0.886	0.952	1.435
1953	0.874	0.932	1.440
1954	0.876	0.918	1.393
1955	0.878	0.977	1.434
1956	0.907	0.985	1.312
1957	0.933	0.926	1.186
1958	0.946	0.908	1.195
1959	0.948	0.987	1.273
1960	0.949	0.927	1.132
1961	0.945	0.879	1.100
1962	0.948	0.901	1.063
1963	0.945	0.921	1.089
1964	0.947	0.933	1.056
1965	0.966	0.931	1.057
1966	0.998	0.977	1.061
1967	1.000	1.000	1.000
1968	1.025	1.207	1.292
1969	1.065	1.345	1.392
1970	1.104	1.133	1.136
1971	1.139	1.416	1.270
1972	1.191	1.677	1.549
1973	1.347	2.143	1.940
1974	1.601	2.114	1.868
1975	1.749	2.006	2.006
1976	1.830	2.481	2.476
1977	1.942	2.974	2.958
1978	2.093	3.460	3.264
1979	2.356	3.800	3.223
1980	2.688	3.451	3.088
1981	2.934	3.430	3.065
1982	2.993	3.216	2.821
1983	3.031	3.698	3.104
1984	3.103	3.539	3.035
1985	3.087	3.453	3.029

Sources:

U.S. Department of Labor, Bureau of Labor Statistics.
 Producer prices and price indexes. Washington, DC.
 Annual.

Uirich, Alice H. 1987. U.S. timber production, trade,
 consumption, and price statistics **1950-85**. U.S.
 Department of Agriculture, Miscellaneous Publication
1453. Tables **1, 38**, and **44**; producer price indexes
 for selected forest products.

Table 18—Softwood lumber production in the United States, by supply region and year, 1950-85^{1/}

(In million board feet, lumber tally)

Year	Pacific Northwest--west side (LPROOW)	Pacific Northwest--east side (LPROOE)	Pacific South-west (LPROOSW)	Northern Rocky Mountains (LPROONR)	Southern Rocky Mountains (LPROOSR)	North Central (LPRODNC)	North-east (LPRODNE)	South Central (LPROOSC)	South-east (LPRODSC)	Total ^{2/} (LPROOUS)
1950	10,084.0	1,737.8	4,228.8	2,022.7	460.5	433.4	1,408.8	4,854.2	5,402.6	30,632.8
1951	9,830.6	1,900.4	4,835.0	1,941.0	357.0	229.0	1,584.0	3,657.0	5,159.0	29,493.0
1952	10,338.6	2,269.4	4,543.0	2,184.0	348.0	168.0	1,389.0	3,758.0	5,236.0	30,234.0
1953	9,723.0	2,425.0	5,075.0	2,253.0	404.0	197.0	1,524.0	3,120.0	4,894.0	29,615.0
1954	9,253.3	2,594.7	5,110.0	2,549.0	426.0	351.0	1,128.0	3,439.0	4,432.0	29,283.0
1955	9,635.0	2,623.4	5,316.0	2,606.0	466.0	195.0	1,094.0	3,401.0	4,479.0	29,815.4
1956	8,716.8	2,220.2	5,880.0	3,032.0	542.0	154.0	1,202.0	3,716.0	4,666.0	30,129.0
1957	7,927.1	2,119.9	5,365.0	2,470.0	630.0	461.0	1,194.0	2,925.0	4,008.0	27,100.0
1958	8,388.7	2,548.3	5,318.0	2,810.0	551.0	351.0	888.0	3,074.0	3,450.0	27,379.0
1959	9,074.0	2,849.8	6,061.0	3,315.0	655.0	445.0	853.0	3,523.0	3,733.0	30,508.8
1960	8,290.8	2,734.2	5,126.0	2,819.0	554.0	384.0	800.0	3,138.0	2,826.0	26,672.0
1961	7,875.7	2,653.3	5,032.0	2,879.0	548.0	365.0	816.0	3,049.0	2,775.0	26,066.0
1962	8,203.0	2,867.4	4,990.0	3,040.0	564.0	337.0	786.0	3,234.0	2,725.0	26,818.4
1963	8,517.9	2,779.1	4,995.0	3,180.0	572.0	457.0	768.0	3,429.0	2,762.0	27,552.0
1964	8,876.8	3,283.2	5,230.0	3,421.0	674.0	320.4	748.0	3,632.6	3,000.0	29,284.0
1965	8,890.6	3,238.4	5,032.0	3,519.0	654.0	322.9	712.0	3,783.1	3,041.0	29,295.0
1966	8,439.0	3,201.0	5,022.0	3,515.0	690.0	342.3	729.0	3,726.7	3,043.0	28,847.0
1967	8,040.4	3,173.6	4,845.0	3,571.0	642.0	337.7	695.0	3,724.3	2,946.0	28,172.0
1968	8,758.1	3,173.9	5,396.0	3,793.0	716.0	387.1	719.0	4,002.9	3,043.0	30,224.0
1969	7,418.8	2,620.2	5,155.0	3,733.0	686.0	326.6	714.0	4,359.4	3,022.0	28,342.0
1970	7,364.0	2,364.0	5,085.0	3,543.0	615.0	324.0	702.0	4,146.0	2,829.0	27,297.0
1971	8,273.9	2,627.1	5,399.0	3,843.0	656.0	315.0	700.0	4,570.0	3,337.0	30,040.0
1972	8,726.0	2,636.0	5,716.0	3,772.0	669.0	321.0	696.0	4,661.0	3,387.0	30,975.0
1973	8,950.9	2,719.1	5,745.0	3,976.0	602.0	365.0	750.0	4,658.0	3,365.0	31,586.0
1974	8,585.7	2,711.3	4,599.0	3,343.0	570.0	346.0	754.0	3,944.0	3,114.0	28,357.0
1975	7,313.7	2,373.3	4,153.0	3,347.0	573.0	353.0	729.0	4,013.0	3,036.0	26,148.0
1976	8,194.0	2,723.1	4,824.0	3,903.0	644.0	461.0	1,103.0	4,586.0	3,431.0	30,274.1
1977	8,665.0	2,748.2	5,052.0	4,031.0	641.0	549.0	1,110.0	5,288.0	3,686.0	32,159.2
1978	8,680.0	2,746.7	4,853.0	4,001.0	582.0	618.0	1,283.0	5,512.0	3,864.0	32,584.7
1979	8,248.0	2,760.7	4,639.0	3,828.0	571.0	619.0	1,278.0	5,370.0	4,141.0	31,941.7
1980	6,653.0	2,098.9	3,768.0	3,300.0	498.0	510.0	1,263.0	4,814.0	3,642.0	26,965.9
1981	6,112.0	2,129.1	3,225.0	2,911.0	436.0	158.0	970.0	4,344.0	4,335.0	24,956.1
1982	5,587.0	1,952.5	2,987.0	2,748.0	389.0	198.0	865.0	4,948.0	4,051.0	24,098.5
1983	7,755.0	2,466.0	3,574.0	3,544.0	484.0	238.0	1,198.0	5,458.0	4,948.0	29,991.0
1984	8,100.0	2,570.0	3,939.0	3,738.0	621.0	169.0	1,032.0	5,682.0	4,976.0	31,192.0
1985	7,833.0	2,568.0	4,250.0	3,952.0	577.0	169.0	997.0	5,397.0	4,767.0	30,853.0

^{1/}1976-83 data revised according to the Bureau of the Census and the Western Wood Products Association's recalculation of lumber production.

^{2/}Total includes Alaska and Hawaii.

Sources: Bureau of the Census. Lumber production and mill stocks. Current Industrial Reports, Series MA-24T. U.S. Department of Commerce, Washington, DC. Annual. **Exceptions:** **Pacific Northwest**, 1950-75— Total Oregon + Washington Census data weighted by Western Wood Products Association's **Pacific Northwest** east-side and west-side production figures. 1976-85— Western Wood Products Association. Statistical **yearbook** of the western lumber industry. Lumber production as reported for western Oregon + western Washington; eastern Oregon + eastern Washington. **Northern Rocky Mountains**, 1957-61— Colorado lumber production was estimated at 0.265 percent of regional production.

Table 19—Softwood lumber prices in the United States, by supply region and year, 1950-85

(In nominal dollars per thousand board feet, lumber tally, f.o.b. mill)

Year	Pacific Northwest-- west side (PLUMWW)	Pacific Northwest-- east side (PLUMWE)	Pacific South- west (PLUMSW)	Northern Rocky Mountains (PLUMNR)	Southern Rocky Mountains (PLUMSR)	All South (PLUMSO)
1950	73.31	76.66	73.43	73.26	77.07	57.20
1951	80.50	88.34	81.33	83.05	90.53	62.04
1952	78.85	86.95	80.19	81.69	89.40	62.72
1953	73.06	86.33	77.03	80.04	89.26	62.04
1954	72.21	81.61	74.80	77.12	84.50	58.86
1955	80.93	86.07	80.22	82.54	88.87	61.66
1956	81.17	87.43	80.48	82.82	90.56	64.15
1957	71.83	80.28	73.50	74.51	85.84	61.28
1958	69.43	77.30	71.94	72.51	82.61	60.22
1959	78.94	84.92	79.02	79.91	89.54	62.57
1960	75.01	79.33	72.92	73.55	84.70	61.43
1961	71.26	72.23	68.92	66.90	76.99	58.41
1962	73.33	74.61	70.46	69.29	79.12	58.33
1963	74.60	75.69	72.47	70.46	80.77	58.10
1964	75.97	76.01	71.57	71.15	81.63	58.18
1965	76.09	75.65	70.17	70.90	81.52	59.39
1966	80.78	79.17	73.87	74.34	84.14	66.20
1967	81.30	79.70	75.48	74.95	83.06	66.05
1968	97.22	95.90	96.00	92.29	99.27	76.41
1969	08.36	117.24	107.21	109.52	122.81	85.71
1970	89.57	96.28	86.15	86.43	102.27	77.16
1971	10.67	116.55	109.79	106.92	122.09	91.83
1972	29.24	140.30	130.63	130.32	145.26	104.99
1973	73.12	188.78	175.77	172.60	197.07	132.52
1974	63.19	178.69	155.11	158.52	190.23	126.48
1975	50.48	164.85	149.43	146.67	173.40	122.28
1976	187.50	215.05	193.14	188.27	226.76	161.52
1977	216.78	249.83	228.09	221.32	220.39	198.00
1978	246.03	306.91	267.20	266.48	277.95	223.03
1979	283.78	326.83	289.08	282.73	298.34	239.83
1980	263.45	291.89	246.67	245.73	267.60	209.76
1981	232.49	297.15	235.80	249.74	279.32	196.06
1982	198.43	257.53	200.20	211.88	237.31	206.49
1983	220.11	322.92	258.52	270.68	295.33	244.55
1984	213.09	305.84	237.90	256.92	273.34	227.61
1985	212.58	302.11	235.74	257.71	270.10	212.91

Sources: Pacific Northwest (west side)—Western Wood Products Association. Monthly f.o.b. price summary. Past sales, coast mills, all species. December issue, year-to-date summary. Pacific Northwest (east side)—Western Wood Products Association. Lumber price index. Average of ponderosa pine, Douglas-fir/larch, and hemlock-fir prices weighted by species volumes. Pacific Southwest—Western Wood Products Association. Lumber price index. Hemlock-fir, Douglas-fir/larch, and coast ponderosa pine prices. Western Wood Products Association. Statistical yearbook of the western lumber industry. Hemlock-fir, Douglas-fir/larch, and coast ponderosa pine production. Random Lengths Yearbook, annual issue. Douglas-fir unseasoned 2x4, std & btr, R/L 8/20' Eureka rate. California Redwood Association. Monthly report of redwood and whitewood production, shipments, orders, and stocks. December issue, annual summary. California coast redwood and inland whitewood production. Average of coastal Douglas-fir, hemlock-fir, interior Douglas-fir/larch, and ponderosa pine prices weighted by species volumes. Northern Rocky Mountains and Southern Rocky Mountains—Western Wood Products Association. Inland lumber price index. Average of ponderosa pine, white fir, and Douglas-fir/larch prices weighted by species volumes. All South, 1950-73—U.S. Bureau of Labor Standards. Estimated from linear regression of 1974-85 prices on southern pine price index. 1974-85—Random Lengths Yearbook, annual issue. Southern pine lumber prices weighted with Southern Forest Products Association grade production data.

Table PO--Softwood lumber production costs In the United States, by supply region and year, 1950-85

(In nominal dollars per thousand board feet, lumber tally)

Year	Pacific Northwest-- west side (WWLU CO)	Pacific Northwest-- east side (WELUCO)	Pacific South- west (SWLU CO)	Northern Rocky Mountains (NRLUCO)	Southern Rocky Mountains (SRLUCO)	All South (SOLUCO)
1950	26.54	26.98	34.70	23.84	32.75	16.66
1951	30.51	26.46	33.49	24.05	33.33	18.30
1952	29.65	22.91	35.00	20.26	33.02	17.87
1953	30.00	22.82	32.68	20.39	32.88	17.69
1954	28.85	21.90	32.13	19.19	33.17	17.41
1955	30.40	23.88	31.47	21.37	32.52	17.37
1956	30.87	28.75	29.71	26.60	31.98	18.86
1957	29.69	28.18	31.17	26.30	31.59	19.49
1958	26.90	22.57	30.75	19.93	31.01	19.47
1959	27.50	23.14	29.06	20.33	31.15	19.47
1960	28.13	23.13	33.11	20.77	31.31	19.50
1961	26.98	21.85	32.15	19.28	31.44	19.63
1962	26.91	21.09	32.11	18.31	31.58	20.01
1963	26.16	22.09	32.51	19.59	31.68	20.35
1964	23.16	19.95	32.40	16.99	31.83	20.65
1965	23.53	20.94	31.29	23.28	33.43	21.08
1966	28.67	21.99	32.16	23.41	34.56	22.22
1967	31.19	22.45	33.55	23.97	34.74	23.28
1968	32.75	28.69	35.94	25.37	35.57	25.20
1969	35.54	30.38	38.37	27.37	38.20	26.85
1970	39.71	33.06	40.19	29.37	40.05	27.95
1971	38.21	33.58	41.89	31.82	42.78	30.78
1972	43.44	40.31	42.37	34.93	44.53	33.95
1973	43.09	42.40	49.13	41.26	50.78	35.35
1974	58.56	54.18	58.74	50.15	59.05	40.48
1975	68.57	64.91	66.56	57.80	66.24	45.02
1976	68.35	60.97	73.38	64.22	70.23	54.54
1977	85.18	80.00	76.16	75.01	69.32	58.05
1978	90.43	87.68	91.25	87.97	92.01	65.31
1979	93.33	93.39	106.11	98.00	100.66	74.62
1980	101.07	104.47	110.29	106.80	120.06	79.87
1981	124.03	121.52	116.74	121.02	128.92	84.61
1982	134.00	121.38	120.75	116.28	123.14	87.69
1983	133.07	121.26	121.29	106.12	120.75	88.79
1984	96.81	100.48	107.93	100.03	118.29	92.54
1985	107.21	109.26	113.22	96.05	116.53	92.08

Sources: All South, 1950-65--Data constructed from analysis of cost components (labor, energy, other) and calibrated with USDA Forest Service timber appraisal information. 1966-74— USDA Forest Service. Summary of reports of timber sale (form 2400-17), report 5--summary of appraisal elements by product and measurement unit. Calendar year. USDA Forest Service, Southern Region. Lumber manufacturing costs weighted by volume reported. **1975-85--Data** constructed from analysis of cost components and calibrated with USDA Forest Service timber appraisal information. **Other supply regions, 1950-65--Data** constructed from analysis of cost components and calibrated with USDA Forest Service timber appraisal information. **1966-83--USDA** Forest Service. Summary of reports of timber sale (form 2400-17), report 5--summary of appraisal elements by product and measurement unit. Calendar year, Lumber manufacturing costs weighted by volume reported by each USDA Forest Service Region. 1984-85— Data constructed from analysis of cost components and calibrated with USDA Forest Service timber appraisal information.

Table 21—Softwood lumber residue generation factors for the Pacific Northwest (west side), the South Central, and the Southeast supply regions, by year, 1950-85^{1/}

Year	Pacific Northwest-- west side (LURGFW)	South Central (LURGFSC)	South-east (LURGFSE)
	<u>Bone-drv tons per thousand board feet, lumber tally</u>	<u>Green tons Der thousand board feet, lumber tally</u>	
1950	0.0104	0.0000	0.0000
1951	0.0347	0.0000	0.0000
1952	0.0561	0.0000	0.0000
1953	0.0817	0.0000	0.0000
1954	0.1097	0.0294	0.0131
1955	0.1243	0.1491	0.0444
1956	0.1590	0.2336	0.0731
1957	0.1910	0.5586	0.2268
1958	0.2042	0.7206	0.4649
1959	0.1990	0.7968	0.6555
1960	0.2347	1.0038	1.0821
1961	0.2826	1.1279	1.2133
1962	0.2965	1.2161	1.4026
1963	0.3142	1.2598	1.5174
1964	0.3357	1.3770	1.4937
1965	0.3806	1.4750	1.5452
1966	0.4660	1.6524	1.6295
1967	0.5047	1.8938	1.7955
1968	0.4863	2.0833	2.0969
1969	0.6413	2.1544	2.1637
1970	0.6820	2.2426	2.2741
1971	0.6168	2.5383	2.3905
1972	0.6708	2.6084	2.5712
1973	0.6529	2.5799	2.7796
1974	0.6346	2.5799	2.7796
1975	0.7168	2.5513	2.7510
1976	0.5475	2.5227	2.7224
1977	0.6108	2.4942	2.6938
1978	0.3827	2.4656	2.6653
1979	0.6370	2.4370	2.6367
1980	0.7866	2.4084	2.6081
1981	0.8531	2.3799	2.5796
1982	0.7878	2.3799	2.5796
1983	0.6509	2.3513	2.5510
1984	0.6403	2.3227	2.5224
1985	0.6515	2.2942	2.4938

^{1/}**Lumber** residue generation factors are calculated from information on product recovery factors (cubic-foot log volume per cubic-foot product) and product volume factors (board feet per cubic foot). This provides the weight of residues per-unit-product-output (lumber tally) and is the total amount of residues generated. The utilized residue generation factor is the residue generation factor multiplied by the fraction of residues used. Information for these calculations is provided from mill studies and by the USDA Forest Service Regional Offices.

Source: Haynes, R.W.; D.M. Adams. 1985. Simulations of the effects of alternative assumptions on demand-supply determinants on the timber situation in the United States. USDA Forest Service, Forest Resources Economics Research. Appendix 1.

Table 22--Softwood lumber production overruns in the United States, by supply region and year, 1950-85

(In thousand board feet, lumber tally, per thousand board feet, Scribner log scale)

Year	Pacific Northwest-- west side (LORWW)	Pacific Northwest-- east side (LORWE)	Pacific South- west (LORSW)	Northern Rocky Mountains (LORNIR)	Southern Rocky Mountains (LORSR)	All South (LORSO)
1950	1.215	1.050	1.095	1.120	1.070	1.120
1951	1.222	1.050	1.097	1.120	1.070	1.120
1952	1.229	1.050	1.100	1.130	1.070	1.130
1953	1.236	1.050	1.102	1.140	1.070	1.130
1954	1.243	1.050	1.104	1.140	1.070	1.130
1955	1.250	1.050	1.107	1.140	1.070	1.140
1956	1.257	1.050	1.109	1.150	1.070	1.140
1957	1.264	1.050	1.111	1.160	1.070	1.140
1958	1.271	1.050	1.114	1.160	1.080	1.150
1959	1.278	1.050	1.116	1.160	1.080	1.150
1960	1.285	1.050	1.118	1.170	1.080	1.160
1961	1.292	1.050	1.121	1.180	1.080	1.160
1962	1.299	1.050	1.123	1.180	1.080	1.160
1963	1.306	1.050	1.125	1.180	1.080	1.170
1964	1.313	1.050	1.128	1.190	1.080	1.170
1965	1.320	1.050	1.130	1.200	1.090	1.170
1966	1.327	1.050	1.132	1.200	1.100	1.180
1967	1.334	1.056	1.135	1.200	1.110	1.180
1968	1.341	1.070	1.137	1.210	1.140	1.180
1969	1.348	1.086	1.144	1.220	1.150	1.190
1970	1.355	1.088	1.150	1.220	1.190	1.190
1971	1.471	1.115	1.212	1.280	1.210	1.250
1972	1.485	1.146	1.212	1.290	1.210	1.260
1973	1.536	1.165	1.212	1.290	1.250	1.260
1974	1.518	1.180	1.212	1.300	1.270	1.270
1975	1.477	1.194	1.212	1.300	1.300	1.280
1976	1.563	1.204	1.212	1.330	1.290	1.280
1977	1.546	1.198	1.221	1.330	1.320	1.290
1978	1.534	1.242	1.230	1.320	1.320	1.300
1979	1.545	1.267	1.239	1.310	1.350	1.300
1980	1.513	1.248	1.248	1.312	1.380	1.310
1981	1.523	1.269	1.257	1.310	1.330	1.320
1982	1.507	1.269	1.266	1.335	1.340	1.320
1983	1.538	1.276	1.275	1.327	1.350	1.330
1984	1.561	1.286	1.285	1.433	1.345	1.350
1985	1.579	1.296	1.295	1.451	1.378	1.370

Sources: Pacific Northwest (west side and east side)--USDA Forest Service. Average recovery factor used in USOA Forest Service Region timber appraisals. Pacific Southwest--Series constructed by extrapolating data from mill and recovery studies. Northern Rocky Mountains and Southern Rocky Mountains--USDA Forest Service. Average recovery factors used in USOA Forest Service Region timber appraisals. All South--Series constructed by extrapolating data from mill and recovery studies.

Table 23—Softwood lumber capacity in the United States, by supply region and year, 1950-85

(In million board feet, lumber tally)

Year	Pacific Northwest-- west side (KLWW)	Pacific Northwest-- east side (KLWE)	Pacific South-west (KLSW)	Rocky Mountains (KL RK)	South Central (KLSC)	South-east (KLSE)	Total (KLUS)
1950	10,488.0	2,170.0	5,000.0	2,900.0	5,000.0	5,600.0	31,158.0
1951	10,488.0	2,445.0	5,150.0	2,900.0	4,725.0	5,500.0	31,208.0
1952	10,488.0	2,720.0	5,300.0	2,950.0	4,450.0	5,400.0	31,308.0
1953	10,219.0	2,995.0	5,500.0	3,000.0	4,450.0	5,250.0	31,414 .0
1954	9,950.0	3,070.0	5,600.0	3,300.0	4,450.0	5,100.0	31,470.0
1955	9,950.0	3,120.0	5,850.0	3,600.0	4,450.0	4,950.0	31,920.0
1956	9,850.0	3,170.0	6,050.0	3,900.0	4,450.0	4,800.0	32,220.0
1957	9,700.0	3,170.0	6,150.0	3,900.0	4,450.0	4,533.0	31,903.0
1958	9,550.0	3,220.0	6,200.0	4,100.0	4,450.0	4,267.0	31,787.0
1959	9,600.0	3,345.0	6,250.0	4,350.0	4,450.0	4,000.0	31,995.0
1960	9,675.0	3,445.0	6,225.0	4,425.0	4,450.0	3,975.0	32,195.0
1961	9,675.0	3,495.0	6,175.0	4,475.0	4,525.0	3,975.0	32,320.0
1962	9,675.0	3,495.0	6,125.0	4,475.0	4,625.0	3,975.0	32,370.0
1963	9,725.0	3,595.0	6,075.0	4,475.0	4,725.0	3,975.0	32,570.0
1964	9,800.0	3,745.0	6,025.0	4,475.0	4,725.0	3,975.0	32,745.0
1965	9,850.0	3,745.0	5,975.0	4,475.0	4,740.0	3,950.0	32,735.0
1966	9,800.0	3,735.0	5,950.0	4,475.0	4,755.0	3,900.0	32,615.0
1967	9,600.0	3,715.0	5,940.0	4,475.0	4,770.0	3,850.0	32,350.0
1968	9,525.0	3,715.0	5,935.0	4,575.0	4,785.0	3,825.0	32,360.0
1969	9,525.0	3,715.0	5,935.0	4,725.0	4,810.0	3,825.0	32,535.0
1970	9,425.0	3,705.0	5,910.0	4,875.0	4,835.0	3,825.0	32,575.0
1971	9,325.0	3,685.0	5,860.0	4,925.0	4,865.0	3,825.0	32,485.0
1972	9,390.0	3,675.0	5,825.0	4,950.0	4,925.0	3,875.0	32,640.0
1973	9,590.0	3,675.0	5,825.0	5,000.0	5,025.0	3,950.0	33,065.0
1974	9,640.0	3,675.0	5,825.0	5,100.0	5,165.0	4,150.0	33,555.0
1975	9,540.0	3,655.0	5,800.0	5,150.0	5,340.0	4,375.0	33,860.0
1976	9,390.0	3,625.0	5,750 .0	5,150.0	5,530.0	4,600.0	34,045.0
1977	9,340.0	3,585.0	5,700.0	5,150.0	5,755.0	4,840.0	34,370.0
1978	9,340.0	3,585.0	5,665.0	5,225.0	5,995.0	5,115.0	34,925.0
1979	9,440.0	3,585.0	5,630.0	5,300.0	6,195.0	5,365.0	35,515.0
1980	9,590.0	3,555.0	5,580.0	5,300.0	6,345.0	5,565.0	35,935.0
1981	9,790.0	3,515.0	5,480.0	5,275.0	6,445.0	5,615.0	36,120.0
1982	10,040.0	3,435.0	5,330.0	5,225.0	6,520.0	5,640.0	36,190.0
1983	10,540.0	3,345.0	5,180.0	5,165.0	6,620.0	5,690.0	36,540.0
1984	10,740.0	3,265.0	5,040.0	5,115.0	6,770.0	5,765.0	36,695.0
1985	10,440.0	3,185.0	4,900.0	5,075.0	6,945.0	5,865.0	36,410.0

Source: Bureau of the Census. Lumber production and mill stocks. Current Industrial Reports, Series MA-24T. U.S. Department of Commerce, Washington, DC. Annual. Regional capacities calculated by use of a "trends through peaks" regression analysis, modified by lumber prices and margins.

Table 24—Structural panel production In the United States, by supply region and year, 1950-85^{1/}

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

Year	Pacific Northwest-- west side (SPPROOW)	Pacific Northwest-- east side (SPPROOWE)	Pacific South- west (SPPROOSW)	Northern Rocky Mountains (SPPROONR)	North Central (SPPROONC)	North- east (SPPROONE)	South Central (SPPROOSC)	South- east (SPPROOSC)	Total (SPPROOUS)
1950	2,343.3	35.7	175.0	0.0	0.0	0.0	0.0	0.0	2,554.0
1951	2,585.7	39.4	242.0	0.0	0.0	0.0	0.0	0.0	2,867.1
1952	2,664.4	40.6	345.0	0.0	0.0	0.0	0.0	0.0	3,050.0
1953	3,189.4	49.6	432.0	0.0	0.0	0.0	0.0	0.0	3,671.0
1954	3,360.4	51.2	492.0	0.0	0.0	0.0	0.0	0.0	3,903.6
1955	4,370.4	66.6	638.0	0.0	0.0	0.0	0.0	0.0	5,075.0
1956	4,478.0	68.2	679.0	14.0	0.0	0.0	0.0	0.0	5,239.2
1957	4,673.3	71.2	702.0	13.0	0.0	0.0	0.0	0.0	5,459.5
1958	5,444.4	82.9	801.0	12.0	0.0	0.0	0.0	0.0	6,340.3
1959	6,587.5	100.3	1,095.0	45.0	0.0	0.0	0.0	0.0	7,827.8
1960	6,500.6	99.0	1,139.0	75.0	2.0	0.0	0.0	0.0	7,815.6
1961	7,109.3	108.3	1,179.0	180.0	0.0	0.0	0.0	0.0	8,576.6
1962	7,881.6	185.5	1,210.0	236.0	0.0	0.0	0.0	0.0	9,513.1
1963	8,344.1	266.9	1,246.0	359.0	0.0	0.0	0.0	0.0	10,216.0
1964	9,416.3	382.1	1,305.0	495.0	0.0	0.0	80.0	0.0	11,678.4
1965	9,612.9	474.1	1,228.0	730.0	0.0	0.0	380.0	22.0	12,447.0
1966	9,343.2	543.8	1,137.0	892.0	0.0	10.0	953.0	177.0	13,056.0
1967	8,659.2	582.2	875.0	1,063.0	0.0	34.0	1,436.0	309.0	12,958.4
1968	9,625.9	735.7	895.0	1,065.0	0.0	46.0	1,818.0	509.0	14,694.6
1969	8,318.6	723.4	859.0	918.0	0.0	48.0	2,188.0	639.0	13,694.0
1970	8,521.7	771.3	827.0	891.0	14.0	49.0	2,404.0	862.0	14,340.0
1971	9,328.9	889.0	984.0	1,016.0	7.0	60.0	3,362.0	988.0	16,634.9
1972	9,895.4	990.6	1,051.0	1,068.0	0.0	56.0	4,014.0	1,249.0	18,324.0
1973	9,729.8	1,021.4	964.0	1,030.0	40.0	49.0	4,148.0	1,363.0	18,345.2
1974	8,018.0	890.0	844.0	995.0	60.0	47.0	3,830.0	1,253.0	15,937.0
1975	7,849.5	801.5	649.0	1,074.0	70.0	51.0	4,231.0	1,394.0	16,120.0
1976	8,901.5	909.5	603.0	1,212.0	80.0	55.0	5,066.0	1,693.0	18,520.0
1977	9,164.7	957.3	552.0	1,255.0	90.0	57.0	5,479.0	2,046.0	19,466.0
1978	9,328.5	983.6	511.0	1,245.0	150.0	60.0	5,792.0		20,116.1
1979	8,644.9	1,011.0	463.0	1,205.0	150.0	56.0	6,174.0	2,099.0	19,802.9
1980	6,655.9	856.4	318.7	1,088.2	155.2	55.5	5,465.6	1,872.3	16,467.8
1981	6,247.6	695.7	351.1	1,129.7	277.6	65.8	5,912.6	2,342.9	17,023.0
1982	5,669.9	609.8	195.5	874.4	448.1	186.4	5,866.0	2,552.4	16,402.5
1983	7,375.7	766.2	260.5	1,151.7	1,006.0	362.6	6,897.2	3,000.8	20,820.7
1984	7,562.1	757.0	232.1	1,131.0	1,385.0	501.3	7,176.7	3,271.0	22,016.2
1985	7,657.5	738.0	285.0	1,302.2	1,788.0	510.5	7,611.6	3,392.1	23,284.9

^{1/}Includes both plywood and oriented strandboard-waferboard production. There is no panel production in the Southern Rocky Mountain region.

Sources: All regions—American Plywood Association. Management Bulletin, annual issue. Softwood plywood production, by States. 1950-83, 1985—American Plywood Association. Estimates of oriented strandboard-waferboard production by region. 1984—Random Lengths 1985; waferboard and oriented strandboard survey. Summary report. Eugene, OR. Pacific Northwest regions—Forest Industries. Annual panel review is used to differentiate Oregon and Washington panel production by the east-side and west-side regions of the Pacific Northwest.

Table 25—Oriented strandboard-waferboard production in the United States, by supply region and year, 1950-85^{1/}

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

Year	Pacific Northwest-- west side (OSBWW)	Pacific Northwest-- east side (OSBWE)	Pacific South- west (OSBSW)	Northern Rocky Mountains (OSBNR)	North Central (OSBNC)	North- east (OSBNE)	South Central (OSBSC)	South- east (OSBSE)	Total (OSBUS)
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1973	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	40.0
1974	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	60.0
1975	0.0	0.0	0.0	0.0	70.0	0.0	0.0	0.0	70.0
1976	0.0	0.0	0.0	0.0	80.0	0.0	0.0	0.0	80.0
1977	0.0	0.0	0.0	0.0	90.0	0.0	0.0	0.0	90.0
1978	0.0	0.0	0.0	0.0	150.0	0.0	0.0	0.0	150.0
1979	0.0	0.0	0.0	0.0	150.0	0.0	0.0	0.0	150.0
1980	0.0	0.0	0.0	40.0	155.2	1.0	0.0	0.0	196.2
1981	0.0	0.0	0.0	50.0	277.6	14.0	0.0	0.0	341.6
1982	0.0	0.0	0.0	0.0	448.1	149.0	0.0	0.0	597.1
1983	0.0	0.0	0.0	0.0	1,006.0	289.0	0.0	0.0	1,295.0
1984	0.0	0.0	46.0	205.4	1,385.0	383.2	0.0	96.5	2,116.1
1985	0.0	0.0	244.0	329.0	1,788.0	491.0	0.0	135.0	2,987.0

^{1/}There is no oriented strandboard-waferboard production in the Southern Rocky Mountain region.

Sources: 1950-83, 1985—American Plywood Association. Estimates of oriented strandboard-waferboard production by region. 1984—Random Lengths 1985; waferboard and oriented strandboard survey. Summary report. Eugene, OR.

Table 26--Softwood plywood production in the United States, by supply region and year, 1950-85^{1/}

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

Year	Pacific Northwest-- west side (PPROOW)	Pacific Northwest-- east side (PPROOE)	Pacific South- west (PPROOSW)	Northern Rocky Mountains (PPROONR)	North Central (PPROONC)	North- east (PPRODNE)	South Central (PPRODSC)	South- east (PPROOSC)	Total (PPROOUS)
1950	2,343.3	35.7	175.0	0.0	0.0	0.0	0.0	0.0	2,554.0
1951	2,585.7	39.4	242.0	0.0	0.0	0.0	0.0	0.0	2,867.1
1952	2,664.4	40.6	345.0	0.0	0.0	0.0	0.0	0.0	3,050.0
1953	3,189.4	49.6	432.0	0.0	0.0	0.0	0.0	0.0	3,671.0
1954	3,360.4	51.2	492.0	0.0	0.0	0.0	0.0	0.0	3,903.6
1955	4,370.4	66.6	638.0	0.0	0.0	0.0	0.0	0.0	5,075.0
1956	4,478.0	68.2	679.0	14.0	0.0	0.0	0.0	0.0	5,239.2
1957	4,673.3	71.2	702.0	13.0	0.0	0.0	0.0	0.0	5,459.5
1958	5,444.4	82.9	801.0	12.0	0.0	0.0	0.0	0.0	6,340.3
1959	6,587.5	100.3	1,095.0	45.0	0.0	0.0	0.0	0.0	7,827.8
1960	6,500.6	99.0	1,139.0	75.0	2.0	0.0	0.0	0.0	7,815.6
1961	7,109.3	108.3	1,179.0	180.0	0.0	0.0	0.0	0.0	8,576.6
1962	7,881.6	185.5	1,210.0	236.0	0.0	0.0	0.0	0.0	9,513.1
1963	8,344.1	266.9	1,246.0	359.0	0.0	0.0	0.0	0.0	10,216.0
1964	9,416.3	382.1	1,305.0	495.0	0.0	0.0	80.0	0.0	11,678.4
1965	9,612.9	474.1	1,228.0	730.0	0.0	0.0	380.0	22.0	12,447.0
1966	9,343.2	543.8	1,137.0	892.0	0.0	10.0	953.0	177.0	13,056.0
1967	8,659.2	582.2	875.0	1,063.0	0.0	34.0	1,436.0	309.0	12,958.4
1968	9,625.9	735.7	895.0	1,065.0	0.0	46.0	1,818.0	509.0	14,694.6
1969	8,318.6	723.4	859.0	918.0	0.0	48.0	2,188.0	639.0	13,694.0
1970	8,521.7	771.3	827.0	891.0	14.0	49.0	2,404.0	862.0	14,340.0
1971	9,328.9	889.0	984.0	1,016.0	7.0	60.0	3,362.0	988.0	16,634.9
1972	9,895.4	990.6	1,051.0	1,068.0	0.0	56.0	4,014.0	1,249.0	18,324.0
1973	9,729.8	1,021.4	964.0	1,030.0	0.0	49.0	4,148.0	1,363.0	18,305.2
1974	8,018.0	890.0	844.0	995.0	0.0	47.0	3,830.0	1,253.0	15,877.0
1975	7,849.5	801.5	649.0	1,074.0	0.0	51.0	4,231.0	1,394.0	16,050.0
1976	8,901.5	909.5	603.0	1,212.0	0.0	55.0	5,066.0	1,693.0	18,440.0
1977	9,164.7	957.3	552.0	1,255.0	0.0	57.0	5,479.0	1,911.0	19,376.0
1978	9,328.5	983.6	511.0	1,245.0	0.0	60.0	5,792.0	2,046.0	19,966.1
1979	8,644.9	1,011.0	463.0	1,205.0	0.0	56.0	6,174.0	2,099.0	19,652.9
1980	6,655.9	856.4	318.7	1,048.2	0.0	54.5	5,465.6	1,872.3	16,271.8
1981	6,247.6	695.7	351.1	1,079.7	0.0	51.8	5,912.6	2,342.9	16,681.0
1982	5,669.9	609.8	195.5	874.4	0.0	37.4	5,866.0	2,552.4	15,805.5
1983	7,375.7	766.2	260.5	1,151.7	0.0	73.6	6,897.2	3,000.8	19,540.7
1984	7,562.1	757.0	186.1	925.6	0.0	118.1	7,176.7	3,174.5	19,900.1
1985	7,657.5	738.0	160.8	973.2	0.0	19.5	7,611.6	3,257.1	20,417.7

^{1/}There is no plywood production in the Southern Rocky Mountain region.

Sources: All regions—American Plywood Association. Management Bulletin, annual Issue. Softwood plywood production, by States. Pacific Northwest regions—Forest Industries. Annual panel review is used to differentiate Oregon and Washington plywood production by the east-side and west-side regions of the Pacific Northwest.

Table 27--**Softwood** plywood prices for the **west** coast and the South, by year, 1950-85

(In nominal dollars per thousand square feet, 3/8-inch basis)

Year	West coast (PPLYWW)	South (PPLYSO)
1950	84.33	NA
1951	89.60	NA
1952	81.83	NA
1953	82.11	NA
1954	79.50	NA
1955	81.77	NA
1956	75.00	NA
1957	68.01	NA
1958	68.51	NA
1959	72.84	NA
1960	65.02	NA
1961	63.24	NA
1962	61.18	NA
1963	62.63	NA
1964	60.80	NA
1965	60.85	NA
1966	61.50	NA
1967	57.79	65.25
1968	73.78	81.75
1969	80.10	78.82
1970	66.88	68.62
1971	69.71	78.13
1972	91.17	107.00
1973	108.76	108.56
1974	104.89	101.56
1975	112.54	107.50
1976	137.93	140.00
1977	164.26	161.06
1978	180.72	168.75
1979	183.83	153.75
1980	178.28	153.75
1981	173.34	139.50
1982	159.88	135.75
1983	167.87	153.00
1984	170.75	142.50
1985	165.21	140.25

NA=not available.

Sources: West coast, 1950-64 – U.S. Bureau of Labor Statistics, wholesale price index for all softwood plywood. Series estimated by regression of 1965-85 price data on softwood plywood price index. **1965-85**—American Plywood Association, monthly market report. Detailed west coast plywood realization price, annual average. **South**—Random Lengths, Southern pine plywood. Annual average of reported prices, net f.o.b. mill. Converted to 3/8-inch basis by use of 0.75 multiplier. **1967-78**—1/2-inch CD exterior 4/5 ply. **1979-85**—15/32-inch CD exterior, 4 ply.

Table 28—Softwood plywood manufacturing costs,
by supply region and year, 1950-85

(In nominal dollars per thousand square feet, 3/8-inch basis)

Year	Pacific Northwest- west side (NWPLCO)	Pacific Northwest- east side (WEPLCO)	Pacific South- west (SWPLCO)	All South (SOPLCO)
1950	32.86	39.03	NA	NA
1951	34.83	39.05	NA	NA
1952	36.27	35.50	NA	NA
1953	33.41	35.49	NA	NA
1954	32.19	34.63	34.12	NA
1955	30.98	36.49	33.48	NA
1956	32.24	41.19	33.20	NA
1957	32.51	40.81	32.82	NA
1958	31.25	35.47	32.20	NA
1959	31.03	36.00	32.25	NA
1960	31.69	36.01	32.53	NA
1961	30.54	34.77	31.37	NA
1962	29.32	33.39	29.32	NA
1963	30.31	34.79	30.31	NA
1964	30.16	32.57	30.16	NA
1965	30.53	32.99	30.53	NA
1966	33.54	35.45	33.54	31.27
1967	31.17	29.01	31.17	32.17
1968	31.99	25.91	31.99	32.22
1969	34.93	27.63	34.93	32.01
1970	35.28	27.99	35.28	32.13
1971	37.18	35.15	37.18	33.92
1972	41.07	37.29	41.07	37.27
1973	45.70	42.40	45.70	41.43
1974	55.46	47.97	55.46	51.12
1975	60.63	51.93	60.63	51.86
1976	66.97	57.97	66.97	55.86
1977	71.05	63.22	71.05	59.59
1978	77.55	70.25	77.55	65.35
1979	88.29	78.74	88.29	71.30
1980	98.37	77.55	98.37	74.19
1981	97.67	78.08	97.67	78.70
1982	105.41	87.06	105.41	80.03
1983	104.84	86.82	105.38	81.75
1984	105.81	88.06	105.93	84.29
1985	106.26	84.05	106.01	84.29

NA=not available.

Sources: Pacific Northwest (west side and east side)
and Pacific Southwest, 1950-83—American Plywood
Association, annual cost data report: all industries. **All items**
except wood in core and chip sales and fixed costs. 1984-85—
USDA Forest Service, Pacific Northwest Region. Average **plywood**
manufacturing costs, adjusted to exclude fixed costs and wood in
core and chip sales. **All South**—American Plywood Association.
annual cost data report. Southern pine average manufacturing
costs, excluding **fixed** costs.

Table 29--Softwood plywood residue generation factors for the Pacific Northwest (west side), the South Central, and the Southeast supply regions, by year, 1950-85^{1/}

Year	Pacific Northwest-- west side (PURGFW)	South Central (PURGFC)	South-east (PURGFE)
	<u>Bone dry tons</u> <u>per thousand</u> <u>sauare feet,</u> <u>3/8-inch basis</u>		<u>Green tons</u> <u>per thousand sauare</u> <u>feet, 3/8-inch basis</u>
1950	0.0052	NA	NA
1951	0.0173	NA	NA
1952	0.0280	NA	NA
1953	0.0409	NA	NA
1954	0.0536	NA	NA
1955	0.0614	NA	NA
1956	0.0786	NA	NA
1957	0.0922	NA	NA
1958	0.0986	NA	NA
1959	0.0960	NA	NA
1960	0.1146	NA	NA
1961	0.1347	NA	NA
1962	0.1413	0.5314	0.5711
1963	0.1498	0.5558	0.6277
1964	0.1580	0.5944	0.6046
1965	0.1790	0.6428	0.6311
1966	0.2192	0.7042	0.6508
1967	0.2374	0.7783	0.6911
1968	0.2231	0.9052	0.8529
1969	0.2976	0.9361	0.8801
1970	0.3166	0.9398	0.8915
1971	0.3043	1.1399	0.9980
1972	0.3310	1.2128	1.1105
1973	0.3264	1.2414	1.2414
1974	0.3172	1.2128	1.2128
1975	0.3489	1.1271	1.1271
1976	0.2665	1.1271	1.1271
1977	0.2973	1.1843	1.1843
1978	0.1812	1.1843	1.1843
1979	0.3016	1.1271	1.1271
1980	0.3775	1.0986	1.0986
1981	0.4094	1.1271	1.1271
1982	0.3780	1.0700	1.0700
1983	0.3037	1.0700	1.0700
1984	0.2987	1.0700	1.0700
1985	0.3004	1.0586	1.0586

NA=not available.

^{1/}**Plywood** residue generation factors are calculated from Information on product recovery factors (cubic-foot log volume per cubic-foot product) and product volume factors (square feet, 3/8-inch basis, per cubic foot). This provides the weight of residues per-unit-product output (square feet) and is the total amount of residues generated. The utilized residue generation factor is the residue generation factor multiplied by the fraction of residues used. Information for these calculations are provided by mill studies and the USDA Forest Service Regional Offices.

Source: Haynes, R.W.; D.M. Adams, 1985. Simulations of the effects of alternative assumptions on demand-supply determinants on the timber situation in the United States. USDA Forest Service, Forest Resources Economics Research. Appendix 1.

Table 30--Softwood plywood production overruns in the United States, by supply region and year, 1950-85

(In square feet, 3/8-inch basis per board foot, Scribner log scale)

Year	Pacific Northwest-- west side (PORW)	Pacific Northwest-- east side (PORWE)	Pacific Southwest (PORSU)	Northern Rocky Mountains (PORRK)	All South (PORSO)
1950	2.300	2.500	2.300	NA	NA
1951	2.300	2.500	2.300	NA	NA
1952	2.300	2.500	2.300	NA	NA
1953	2.300	2.500	2.300	NA	NA
1954	2.300	2.500	2.300	NA	NA
1955	2.300	2.500	2.300	NA	NA
1956	2.300	2.500	2.300	2.090	NA
1957	2.280	2.510	2.280	2.100	NA
1958	2.410	2.520	2.410	2.120	NA
1959	2.440	2.540	2.440	2.130	NA
1960	2.390	2.550	2.390	2.140	NA
1961	2.420	2.560	2.420	2.150	NA
1962	2.450	2.570	2.450	2.170	NA
1963	2.470	2.580	2.470	2.180	NA
1964	2.430	2.590	2.430	2.190	2.120
1965	2.420	2.610	2.420	2.200	2.130
1966	2.490	2.620	2.490	2.210	2.140
1967	2.500	2.630	2.500	2.230	2.190
1968	2.480	2.640	2.480	2.240	2.160
1969	2.500	2.660	2.500	2.250	2.150
1970	2.520	2.670	2.520	2.260	2.200
1971	2.520	2.690	2.520	2.280	2.220
1972	2.520	2.700	2.520	2.290	2.190
1973	2.560	2.710	2.560	2.300	2.180
1974	2.570	2.730	2.570	2.310	2.210
1975	2.620	2.740	2.620	2.320	2.290
1976	2.610	2.750	2.610	2.340	2.280
1977	2.670	2.750	2.670	2.350	2.240
1978	2.720	2.800	2.720	2.360	2.240
1979	2.730	2.810	2.730	2.370	2.300
1980	2.830	2.880	2.830	2.390	2.320
1981	2.920	3.060	2.920	2.480	2.290
1982	2.900	3.090	2.900	2.480	2.360
1983	2.910	3.120	2.910	2.480	2.360
1984	3.287	3.174	3.287	2.510	2.420
1985	3.427	3.261	3.427	2.560	2.460

NA=not available.

Sources: **Pacific Northwest (west side), 1950-83**--American Plywood Association. Annual cost data summary. **1984-85**--USDA Forest Service. Average plywood recovery factors used in regional appraisals. **Pacific Northwest (east side)**--USDA Forest Service. Average plywood recovery factors used in regional appraisals. **Pacific Southwest, 1950-83**--American Plywood Association. Annual cost data summary. **1984-85**--USDA Forest Service. Average plywood recovery factors used in regional appraisals. **Rocky Mountains**--USDA Forest Service. Average plywood recovery factors used in regional appraisals. **All South, 1964-83**--American Plywood Association. Annual cost data summary. **1984-85**--Estimated from recovery studies and trade reports.

Table 31--Softwood plywood capacity in the United States, by supply region and year, 1950-85

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

Year	Pacific Northwest--west side (KPWW)	Pacific Northwest--east side (KPWE)	Pacific South-west (KPSW)	Rocky Mountains (KPRM)	South Central (KPSC)	South-east (KPSE)	Total (KPUS)
1950	3,650.0	50.0	250.0	0.0	0.0	0.0	3,950.0
1951	3,650.0	50.0	350.0	0.0	0.0	0.0	4,050.0
1952	3,650.0	50.0	450.0	0.0	0.0	0.0	4,150.0
1953	3,922.0	75.0	550.0	0.0	0.0	0.0	4,547.0
1954	4,194.0	100.0	650.0	0.0	0.0	0.0	4,944.0
1955	5,010.0	125.0	850.0	0.0	0.0	0.0	5,985.0
1956	5,732.5	125.0	850.0	25.0	0.0	0.0	6,732.5
1957	6,455.0	125.0	850.0	25.0	0.0	0.0	7,455.0
1958	7,177.5	125.0	975.0	25.0	0.0	0.0	8,302.5
1959	7,900.0	175.0	1,250.0	75.0	0.0	0.0	9,400.0
1960	8,441.7	225.0	1,350.0	125.0	0.0	0.0	10,141.7
1961	8,983.3	225.0	1,350.0	250.0	0.0	0.0	10,808.3
1962	9,525.0	225.0	1,350.0	400.0	0.0	0.0	11,500.0
1963	10,066.7	300.0	1,425.0	600.0	0.0	0.0	12,391.7
1964	10,608.0	450.0	1,500.0	900.0	0.0	0.0	13,458.3
1965	10,950.0	550.0	1,500.0	1,000.0	500.0	30.0	14,530.3
1966	11,150.0	600.0	1,475.0	1,075.0	1,390.0	250.0	15,940.3
1967	11,100.0	675.0	1,425.0	1,150.0	2,165.0	450.0	16,965.3
1968	11,100.0	825.0	1,400.0	1,250.0	2,810.0	680.0	18,065.3
1969	11,250.0	975.0	1,400.0	1,450.0	3,405.0	850.0	19,330.3
1970	11,350.0	1,125.0	1,375.0	1,650.0	3,850.0	1,210.0	20,560.3
1971	11,250.0	1,125.0	1,325.0	1,650.0	4,800.0	1,310.0	21,460.3
1972	11,250.0	1,125.0	1,250.0	1,575.0	5,200.0	1,610.0	22,010.3
1973	11,650.0	1,200.0	1,250.0	1,550.0	5,700.0	1,960.0	23,310.3
1974	11,850.0	1,275.0	1,250.0	1,550.0	5,800.0	1,960.0	23,685.3
1975	11,650.0	1,275.0	1,200.0	1,500.0	5,850.0	1,960.0	23,435.3
1976	11,450.0	1,275.0	1,150.0	1,450.0	6,300.0	2,160.0	23,785.3
1977	11,450.0	1,325.0	1,125.0	1,475.0	6,900.0	2,560.0	24,835.3
1978	11,550.0	1,400.0	1,125.0	1,550.0	7,550.0	2,860.0	26,035.3
1979	11,650.0	1,400.0	1,075.0	1,625.0	7,950.0	3,060.0	26,760.3
1980	11,500.0	1,350.0	1,000.0	1,650.0	8,250.0	3,310.0	27,060.3
1981	11,200.0	1,300.0	900.0	1,650.0	8,450.0	3,460.0	26,960.3
1982	10,750.0	1,225.0	775.0	1,600.0	8,550.0	3,560.0	26,460.3
1983	10,150.0	1,100.0	625.0	1,500.0	8,675.0	3,660.0	25,710.3
1984	10,150.0	950.0	475.0	1,370.0	8,800.0	3,710.0	24,955.3
1985	10,150.0	850.0	325.0	1,240.0	8,975.0	3,710.0	24,250.3

Source: American Plywood Association. Management Bulletin, annual issue. Softwood plywood production, by States. Regional capacities estimated by use of a "trends through peaks" regression analysis, modified by plywood prices and margins.

Table 32--Softwood log, lumber, and plywood imports and exports in the Pacific Northwest and the United States, by year, 1950-85

Year	Logs			Lumber			Plywood		
	Exports, Pacific Northwest (PNWEXP)	Imports, Pacific Northwest (PNWIMP)	Exports, Pacific Southwest (PSWEXP)	Imports, total (TLUMIMP)	Imports, Canada (CLUMIMP)	Imports, Other (LUMIMP)	Exports, total (LUMEXP)	Imports, total (PLYIMP)	Exports, total (PLYEXP)
	<u>Million board feet, log scale</u>			<u>- - Million board feet, lumber tally - -</u>			<u>Million square feet, 3/8-inch - - basis - -</u>		
1950	24.0	184.0	0.0	3,140.2	2,899.5	240.7	406.8	0.0	3.0
1951	49.0	110.0	1.0	2,250.0	2,080.2	169.8	875.7	4.0	4.0
1952	38.0	147.0	1.0	2,266.9	2,139.9	127.0	565.7	1.0	13.0
1953	72.0	147.0	1.0	2,526.8	2,409.6	117.2	512.6	0.0	10.0
1954	87.0	147.0	3.0	2,854.6	2,747.7	106.9	584.7	0.0	7.0
1955	122.0	74.0	3.0	3,326.8	3,225.9	100.9	652.4	0.0	8.0
1956	131.0	37.0	4.0	3,131.0	3,060.7	70.3	570.7	0.0	15.0
1957	89.0	37.0	5.0	2,711.9	2,644.7	67.2	623.4	0.0	15.0
1958	105.0	37.0	7.0	3,154.5	3,088.0	66.5	550.1	0.0	12.0
1959	139.0	37.0	8.0	3,741.5	3,661.7	79.8	607.9	0.0	72.0
1960	176.0	37.0	8.0	3,639.3	3,576.1	63.2	693.8	11.0	13.0
1961	336.0	74.0	28.0	4,013.4	3,943.4	70.0	618.2	13.0	14.0
1962	311.0	32.0	37.0	4,583.7	4,507.1	76.6	628.6	13.0	17.0
1963	709.0	40.0	38.0	5,032.0	4,975.6	56.4	743.1	10.0	18.0
1964	835.0	8.0	13.0	4,917.5	4,872.0	45.5	811.5	5.0	28.0
1965	901.0	12.0	15.0	4,898.1	4,855.7	42.4	778.9	5.0	30.0
1966	1,109.0	42.0	22.0	4,779.2	4,730.4	48.8	867.9	3.0	48.0
1967	1,572.0	33.0	43.0	4,798.1	4,747.1	51.0	965.2	3.0	85.0
1968	1,974.0	22.0	212.0	5,809.1	5,750.0	59.1	1,048.1	10.0	64.0
1969	1,871.0	40.0	207.0	5,854.0	5,784.4	69.6	1,023.8	15.0	199.0
1970	2,216.0	99.0	192.0	5,777.7	5,722.5	55.2	1,115.5	2.0	114.0
1971	1,837.0	60.0	102.0	7,231.7	7,172.0	59.7	933.3	3.0	99.0
1972	2,637.0	8.0	77.0	8,984.8	8,877.8	107.0	1,191.1	6.0	221.0
1973	2,639.0	2.0	105.0	9,019.9	8,843.9	176.0	1,752.7	9.0	411.0
1974	2,189.0	32.0	78.0	6,821.1	6,732.2	88.9	1,566.5	4.0	542.0
1975	2,225.0	55.0	87.0	5,723.8	5,677.0	46.8	1,405.4	7.0	791.0
1976	2,737.0	44.0	110.0	7,958.5	7,912.6	45.9	1,605.5	12.0	716.0
1977	2,556.0	92.0	71.0	10,369.6	10,327.0	42.6	1,427.7	18.0	287.0
1978	2,847.0	41.0	73.0	11,853.2	11,776.7	76.5	1,353.9	63.0	298.0
1979	3,234.0	76.0	65.0	11,153.3	11,100.9	52.4	1,781.3	27.0	402.0
1980	2,632.0	52.0	32.0	9,752.9	9,546.3	206.6	2,006.5	37.0	373.0
1981	1,987.0	34.0	26.0	9,232.1	9,208.1	24.0	1,927.8	30.0	686.0
1982	2,568.0	60.0	20.0	9,149.5	9,114.9	34.6	1,634.9	21.0	452.0
1983	2,592.0	77.0	34.0	11,993.0	11,962.7	19.2	1,755.6	47.0	574.0
1984	2,772.0	65.0	47.0	13,304.4	13,252.3	52.2	1,623.6	73.0	371.0
1985	3,004.0	49.0	63.0	14,644.2	14,543.8	100.3	1,518.3	87.0	321.0

Sources: **Logs**--Warren, Debra D. Production, prices, employment, and trade in Northwest forest industries. USDA Forest Service, Pacific Northwest Research Station, Resource Bulletin, issued quarterly. **Lumber and plywood**--Ulrich, Alice H. 1987. U.S. timber production, trade, consumption, and price statistics 1950-85. U.S. Department of Agriculture, Miscellaneous Publication 1453.

Table 33—Canada softwood lumber production, mill capacity, exports, production cost, prices, and Canada-United States currency exchange rate, by year, 1950-85

Year	Production (LPROOCAN)	Mill capacity (KLSCAN)	Exports			Prices			Canada- United States exchange rate (CUSEXCH)
			Total (CANEXPT)	To the United States (CANEXPUS)	To other countries (CANEXOPO)	Production cost (CMFGCOST)	Lumber (PLUMCAN)	Residues (PRESCAN)	
						Canadian dollars Der thousand board feet, lumber tally			Canadian dollars per U.S. dollars
- - - - - Million board feet, lumber tally - - - - -									
1950	6,107.0	8,100.0	3,380.7	2,899.5	481.2	56.34	79.75	0.40	1.093
1951	6,430.0	8,500.0	3,284.2	2,080.2	1,204.0	65.01	89.25	1.08	1.053
1952	6,298.0	8,500.0	3,219.7,	2,139.9	1,079.8	64.96	80.84	1.27	0.979
1953	6,781.0	8,500.0	3,250.4	2,409.6	840.8	62.11	76.83	1.23	0.984
1954	6,817.0	8,900.0	3,948.8	2,747.7	1,201.1	61.86	73.78	1.70	0.973
1955	7,547.0	9,300.0	4,480.3	3,225.9	1,254.4	63.14	81.35	2.08	0.986
1956	7,279.0	9,600.0	3,835.4	3,060.7	774.7	66.35	80.18	2.47	0.984
1957	6,653.0	9,900.0	3,546.7	2,644.7	902.0	64.95	71.02	3.04	0.959
1958	6,800.0	10,100.0	3,842.7	3,088.0	754.7	62.99	67.68	2.88	0.971
1959	7,196.0	10,100.0	4,046.9	3,661.7	385.2	61.64	71.61	2.65	0.959
1960	7,570.0	10,300.0	4,446.5	3,576.1	870.4	56.26	68.00	3.56	0.970
1961	7,807.0	10,800.0	4,823.5	3,943.4	880.1	66.83	67.36	4.54	1.013
1962	8,410.0	11,300.0	5,315.3	4,507.1	808.2	67.11	64.96	4.51	1.069
1963	9,410.0	11,800.0	6,094.6	4,975.6	1,119.0	67.41	65.87	4.71	1.079
1964	9,829.0	12,050.0	6,324.1	4,872.0	1,452.1	70.57	67.48	9.58	1.079
1965	10,290.0	12,300.0	6,317.6	4,855.7	1,461.9	73.34	68.67	7.58	1.078
1966	10,026.0	12,300.0	5,917.9	4,730.4	1,187.5	76.43	72.94	8.45	1.077
1967	9,739.0	12,300.0	6,320.6	4,747.1	1,573.5	79.33	73.51	9.01	1.079
1968	10,762.0	13,050.0	7,040.5	5,750.0	1,290.5	85.61	91.80	9.82	1.078
1969	10,991.0	14,300.0	6,705.8	5,784.4	921.4	93.96	99.79	10.65	1.077
1970	10,787.0	14,300.0	7,330.0	5,722.5	1,607.5	96.03	78.66	11.70	1.043
1971	12,275.0	14,300.0	8,379.1	7,172.0	1,207.1	98.38	94.41	11.69	1.010
1972	13,444.0	15,050.0	9,643.7	8,877.8	765.9	111.99	117.55	11.59	0.991
1973	14,940.0	16,550.0	9,822.4	8,843.9	978.5	132.62	152.75	13.70	1.000
1974	13,001.0	17,300.0	8,166.9	6,732.2	1,434.7	151.81	127.80	21.98	0.978
1975	11,150.0	17,300.0	6,485.3	5,677 .0	808.3	167.17	127.80	31.71	1.017
1976	15,102.0	17,300.0	9,581.6	7,912.6	1,669.0	174.90	150.71	29.75	0.986
1977	17,203.0	18,050.0	12,211.8	10,327.0	1,884.8	180.17	182.72	26.97	1.063
1978	18,467.0	19,550.0	13,313.9	11,776.7	1,537.2	209.01	232.35	26.00	1.140
1979	19,309.0	21,550.0	13,262.0	11,100.9	2,161.1	240.45	267.12	29.37	1.171
1980	18,409.0	23,050.0	12,261.1	9,546.3	2,714.8	245.52	223.25	43.37	1.169
1981	16,628.0	23,550.0	11,554.7	9,208.1	2,346.6	264.44	228.41	52.66	1.199
1982	15,184.0	23,800.0	11,685.9	9,114.9	2,571.0	255.21	219.05	52.93	1.234
1983	20,181.0	24,100.0	14,360.4	11,962.7	2,397.7	254.15	263.86	41.29	1.232
1984	20,218.0	24,325.0	15,720.9	13,252.3	2,468.6	260.72	260.63	43.62	1.295
1985	22,254.0	24,725.0	17,098.8	14,543.8	2,555.0	260.72	270.29	43.00	1.366

Sources: Lumber production—statistics Canada. Sawmills and planing mills and shingle mills. Catalog 35-204, annual. Canadian softwood lumber production, all industries and **Provinces**. Mill capacity—Calculated with a "trends through peaks" regression analysis on Canada lumber production. **Total** exports—statistics Canada. Selected forestry statistics—Canada. information Report E-X-34. Softwood lumber exports to all countries. **Exports to the United States**—Ulrich, Alice H. 1987. U.S. timber production, trade, consumption, and price statistics **1950-85**. U.S. Department of Agriculture, Miscellaneous Publication 1453. Table 33—Lumber imports, by softwoods and hardwoods and **country** of origin. **Exports to other** countries—Calculated by subtracting "Exports United States" from "Total exports." **Production cost**—Statistics Canada. Sawmills and planing mills and shingle mills. Catalog 35-204, annual. Cost of **fuel** and electricity, materials and supplies, and salaries and wages (total activity) were summed to total Canadian softwood lumber production costs. Total costs were divided by total Canadian hardwood and softwood lumber production for all industries and Provinces, yielding the average cost of production. **Lumber price**—Bureau of the Census. U.S. imports—commodity by country. Report IM-145X. U.S. Department of Commerce, Washington, DC. Lumber price is derived by dividing the total value of all softwood lumber imports by total volume to obtain the 'customs price.' The customs price represents the value of softwood lumber, **f.o.b.** mill, in Canada. **Residue price**—Statistics Canada. Sawmills and planing mills and shingle mills. Catalog 35-204, annual. Shipments of wood chips, by Province: total value, all Provinces. **Statistics** Canada. Production, shipments, and stocks on hand of sawmills (by Province). Total value is divided by total lumber output, all Provinces, yielding an estimate of the average price of Canadian softwood residues. **Canada-United States exchange rate**—Federal Reserve Bulletin. Board of Governors of the Federal Reserve System, Washington, DC. Issued monthly.

Table 34—Per capita personal income of the United States, by supply region and year, 1950-85

(In dollars)

Year	Pacific North-west (SINCNY)	Pacific South-west (SINCWS)	Northern Rocky Mountains (SINCNR)	Southern Rocky Mountains (SINCNS)	North Central (SINCNC)	North-east (SINCNE)	South Central (SINCSC)	South-east (SINCSE)	Alaska (SINCAK)	Total (SINCUS)
1950	1,678	1,827	1,447	1,385	1,592	1,674	1,080	1,118	2,301	1,493
1951	1,831	2,021	1,631	1,611	1,762	1,830	1,197	1,249	2,724	1,648
1952	1,920	2,147	1,643	1,693	1,842	1,909	1,271	1,320	2,487	1,729
1953	1,975	2,186	1,657	1,669	1,934	1,989	1,327	1,369	2,410	1,801
1954	1,958	2,163	1,638	1,646	1,889	1,971	1,329	1,363	2,211	1,781
1955	2,021	2,304	1,680	1,721	1,970	2,076	1,404	1,454	2,183	1,873
1956	2,086	2,411	1,753	1,807	2,063	2,207	1,481	1,530	2,364	1,973
1957	2,131	2,488	1,865	1,906	2,131	2,306	1,544	1,552	2,239	2,045
1958	2,154	2,497	1,906	1,937	2,130	2,309	1,586	1,605	2,262	2,061
1959	2,266	2,637	1,919	2,027	2,230	2,415	1,656	1,700	2,422	2,160
1960	2,313	2,713	2,020	2,081	2,292	2,491	1,670	1,738	2,755	2,216
1961	2,389	2,755	2,045	2,138	2,326	2,550	1,729	1,781	2,632	2,264
1962	2,509	2,863	2,237	2,189	2,450	2,663	1,790	1,876	2,659	2,369
1963	2,573	2,956	2,254	2,241	2,542	2,743	1,874	1,965	2,778	2,454
1964	2,696	3,115	2,307	2,335	2,682	2,894	1,984	2,104	3,041	2,591
1965	2,895	3,254	2,500	2,471	2,909	3,066	2,134	2,262	3,197	2,771
1966	3,150	3,484	2,640	2,639	3,125	3,284	2,315	2,460	3,451	2,980
1967	3,318	3,680	2,766	2,791	3,259	3,506	2,496	2,648	3,701	3,159
1968	3,576	3,980	2,962	3,055	3,527	3,800	2,728	2,910	3,927	3,429
1969	3,915	4,488	3,427	3,236	3,877	4,224	3,013	3,282	4,496	3,809
1970	4,069	4,748	3,744	3,558	4,059	4,503	3,251	3,554	4,986	4,051
1971	4,274	4,960	4,022	3,825	4,324	4,763	3,463	3,807	5,279	4,296
1972	4,646	5,357	4,424	4,166	4,710	5,133	3,783	4,194	5,610	4,664
1973	5,192	5,832	5,019	4,585	5,346	5,595	4,251	4,683	6,482	5,181
1974	5,759	6,428	5,461	4,988	5,753	6,099	4,700	5,091	7,635	5,644
1975	6,292	6,942	5,861	5,254	6,166	6,548	5,132	5,404	10,121	6,069
1976	6,967	7,631	6,339	5,731	6,779	7,110	5,691	5,911	11,499	6,647
1977	7,617	8,355	6,967	6,290	7,514	7,735	6,272	6,458	11,764	7,289
1978	8,623	9,388	7,945	7,175	8,366	8,527	7,071	7,247	11,947	8,133
1979	9,588	10,500	8,779	8,055	9,252	9,447	7,898	8,041	12,435	9,025
1980	10,388	11,590	9,631	8,869	9,918	10,538	8,718	8,929	13,797	9,910
1981	11,181	12,702	10,638	9,767	10,868	11,655	9,806	9,917	15,434	10,940
1982	11,464	13,235	11,066	10,054	11,234	12,436	10,314	10,435	17,312	11,470
1983	12,112	13,984	11,483	10,632	11,765	13,275	10,606	11,222	18,018	12,093
1984	12,813	15,155	12,252	11,507	12,872	14,440	11,387	12,210	17,996	13,114
1985	13,403	16,065	12,817	12,207	13,547	15,426	11,940	12,932	18,187	13,867

Source: Regional Economic Information System, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC. Annual.

Table 35—Population of the United States, by supply region and year, 1950-85

(In thousands)

Year	Pacific North-west (SPOPNW)	Pacific South-west (SPOPSW)	Northern Rocky Mountains (SPOPNR)	Southern Rocky Mountains (SPOPSR)	North Central (SPOPNC)	North east- (SPOPNE)	South Central (SPOPSR)	South-east (SPOPSE)	Alaska (SPOPAK)	Total (SPOPUS)
1950	3,919	10,677	4,311	1,445	43,978	45,048	26,095	15,764	135	151,372
1951	3,980	11,134	4,331	1,502	44,395	45,210	26,526	16,232	158	153,468
1952	4,030	11,635	4,403	1,577	45,022	45,781	26,705	16,532	189	155,874
1953	4,067	12,251	4,515	1,650	45,786	46,703	26,544	16,726	205	158,447
1954	4,142	12,746	4,628	1,696	46,861	47,573	26,547	16,969	215	161,377
1955	4,263	13,133	4,790	1,772	47,846	48,074	27,016	17,413	222	164,529
1956	4,366	13,713	4,950	1,859	48,639	48,462	27,309	18,008	224	167,530
1957	4,436	14,264	5,039	1,972	49,280	49,000	27,759	18,624	231	170,605
1958	4,491	14,880	5,064	2,079	49,916	49,785	28,081	19,028	224	173,548
1959	4,567	15,467	5,172	2,180	50,456	50,494	28,521	19,433	224	176,514
1960	4,627	15,870	5,324	2,275	51,031	50,982	29,081	19,911	229	179,330
1961	4,669	16,497	5,505	2,372	51,493	51,627	29,491	20,425	238	182,317
1962	4,760	17,072	5,637	2,450	51,879	52,161	29,996	20,854	246	185,055
1963	4,808	17,668	5,737	2,510	52,364	52,865	30,266	21,278	256	187,752
1964	4,849	18,151	5,800	2,562	52,954	53,538	30,595	21,673	263	190,385
1965	4,904	18,585	5,836	2,596	53,532	54,140	30,835	22,054	271	192,753
1966	5,026	18,858	5,864	2,621	54,156	54,565	31,073	22,355	271	194,789
1967	5,153	19,176	5,903	2,646	54,618	54,948	31,287	22,643	278	196,652
1968	5,274	19,394	6,001	2,676	55,023	55,324	31,565	23,036	285	198,578
1969	5,405	19,711	6,091	2,748	55,438	55,592	31,867	23,407	296	201,298
1970	5,517	20,023	6,198	2,818	56,005	56,143	32,222	23,807	304	203,799
1971	5,597	20,346	6,386	2,949	56,427	56,636	32,882	24,489	316	206,818
1972	5,642	20,585	6,593	3,087	56,710	56,878	33,467	25,169	326	209,275
1973	5,716	20,868	6,775	3,229	56,895	56,790	34,001	25,898	333	211,349
1974	5,829	21,173	6,927	3,354	57,028	56,680	34,547	26,594	345	213,334
1975	5,944	21,537	7,082	3,449	57,165	56,744	35,196	27,092	371	215,457
1976	6,063	21,935	7,249	3,543	57,365	56,751	35,873	27,488	393	217,554
1977	6,211	22,350	7,445	3,652	57,612	56,711	36,501	27,964	397	219,761
1978	6,396	22,839	7,665	3,770	57,848	56,643	37,120	28,482	402	222,096
1979	6,591	23,255	7,893	3,920	58,019	56,644	37,819	29,076	404	224,569
1980	6,796	23,797	8,096	4,048	58,225	56,595	38,597	29,729	405	227,255
1981	6,906	24,265	8,291	4,149	58,308	56,717	39,262	30,344	416	229,637
1982	6,947	24,786	8,495	4,265	58,250	56,789	40,163	30,860	445	231,996
1983	6,965	25,311	8,660	4,379	58,220	57,030	40,839	31,381	482	234,284
1984	7,025	25,795	8,770	4,498	58,373	57,268	41,233	31,996	505	236,495
1985	7,096	26,365	8,860	4,637	58,488	57,435	41,633	32,650	521	238,740

Source: Regional Economic Information System, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC. Annual.

Table 36—Per capita personal income of the United States, by demand region and year, 1950-85

(In dollars)

Year	Northwest (DINCNW)	Southwest (DINCSW)	Rocky Mountains (DINCRM)	North Central (DINCNC)	Northeast (DINCNE)	South (DINCSE)	Alaska (DINCAK)	Total (DINCUS)
1950	1,678	1,766	1,477	1,587	1,697	1,143	2,301	1,493
1951	1,831	1,960	1,686	1,758	1,855	1,267	2,724	1,648
1952	1,920	2,082	1,749	1,834	1,930	1,344	2,487	1,729
1953	1,975	2,119	1,709	1,927	2,015	1,396	2,410	1,801
1954	1,958	2,098	1,673	1,883	2,001	1,390	2,211	1,781
1955	2,021	2,230	1,755	1,961	2,107	1,473	2,183	1,872
1956	2,086	2,332	1,838	2,054	2,236	1,558	2,364	1,972
1957	2,131	2,406	1,940	2,124	2,338	1,607	2,239	2,044
1958	2,154	2,417	1,978	2,124	2,340	1,649	2,262	2,061
1959	2,266	2,549	2,048	2,221	2,453	1,727	2,422	2,160
1960	2,313	2,621	2,102	2,286	2,530	1,755	2,755	2,216
1961	2,389	2,664	2,146	2,319	2,588	1,809	2,632	2,264
1962	2,509	2,768	2,266	2,444	2,701	1,888	2,659	2,369
1963	2,573	2,854	2,313	2,534	2,779	1,975	2,778	2,454
1964	2,696	3,003	2,393	2,672	2,932	2,100	3,041	2,592
1965	2,895	3,140	2,567	2,901	3,103	2,256	3,197	2,772
1966	3,150	3,361	2,708	3,116	3,325	2,445	3,451	2,981
1967	3,318	3,551	2,851	3,250	3,549	2,632	3,701	3,160
1968	3,576	3,852	3,041	3,517	3,848	2,878	3,927	3,430
1969	3,915	4,341	3,389	3,866	4,278	3,207	4,496	3,809
1970	4,069	4,618	3,705	4,049	4,550	3,467	4,986	4,051
1971	4,274	4,833	3,982	4,315	4,807	3,703	5,279	4,296
1972	4,646	5,215	4,379	4,701	5,174	4,057	5,610	4,664
1973	5,192	5,680	4,912	5,344	5,633	4,534	6,482	5,181
1974	5,759	6,247	5,427	5,744	6,137	4,973	7,635	5,644
1975	6,292	6,722	5,810	6,158	6,580	5,364	10,121	6,069
1976	6,967	7,374	6,329	6,762	7,137	5,905	11,499	6,647
1977	7,617	8,065	6,912	7,498	7,769	6,471	11,764	7,289
1978	8,623	9,073	7,859	8,351	8,564	7,262	11,947	8,133
1979	9,588	10,133	8,664	9,238	9,491	8,079	12,435	9,025
1980	10,388	11,180	9,571	9,898	10,591	8,945	13,797	9,910
1981	11,181	12,241	10,575	10,849	11,725	9,984	15,434	10,940
1982	11,464	12,726	11,045	11,215	12,521	10,510	17,312	11,470
1983	12,112	13,444	11,483	11,741	13,382	11,032	18,018	12,093
1984	12,813	14,543	12,206	12,847	14,568	11,919	17,996	13,114
1985	13,403	15,406	12,762	13,519	15,571	12,570	18,187	13,867

Source: Regional Economic information System, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC. Annual.

Table 37—Population of the United States, by demand region and year, 1950-85

(In thousands)

Year	Northwest (OPOP NW)	Southwest (OPOP SW)	Rocky Mountains (OPOP RM)	North Central (OPOP NC)	Northeast (OPOP NE)	South (OPOP SO)	Alaska (OPOP AK)	Total (OPOP US)
1950	3,919	12,783	3,494	44,633	47,347	39,560	135	151,871
1951	3,980	13,306	3,508	45,050	48,322	39,646	158	153,970
1952	4,030	13,888	3,571	45,673	48,840	40,178	189	156,369
1953	4,067	14,595	3,672	46,434	48,927	41,046	205	158,946
1954	4,142	15,159	3,760	47,516	49,265	41,824	215	161,881
1955	4,263	15,671	3,890	48,509	50,225	42,278	222	165,058
1956	4,366	16,370	4,030	49,309	51,152	42,627	224	168,078
1957	4,436	17,069	4,113	49,946	52,288	43,095	231	171,178
1958	4,491	17,823	4,139	50,572	53,126	43,768	224	174,143
1959	4,567	18,536	4,226	51,123	54,077	44,371	224	177,124
1960	4,627	19,060	4,350	51,714	55,172	44,802	229	179,954
1961	4,669	19,827	4,497	52,186	56,159	45,384	238	182,960
1962	4,760	20,527	4,580	52,584	57,179	45,832	246	185,708
1963	4,808	21,246	4,632	53,072	58,007	46,402	256	188,423
1964	4,849	21,817	4,673	53,655	58,852	46,954	263	191,063
1965	4,904	22,323	4,700	54,224	59,579	47,450	271	193,451
1966	5,026	22,622	4,735	54,839	60,205	47,788	271	195,486
1967	5,153	22,979	4,783	55,289	60,772	48,106	278	197,360
1968	5,274	23,253	4,868	55,692	61,491	48,434	285	199,297
1969	5,405	23,682	4,943	56,106	62,190	48,676	296	201,298
1970	5,517	24,097	5,038	56,672	63,019	49,153	304	203,799
1971	5,597	24,607	5,195	57,098	64,480	49,527	316	206,818
1972	5,642	25,037	5,369	57,387	65,832	49,682	326	209,275
1973	5,716	25,508	5,527	57,574	67,126	49,563	333	211,349
1974	5,829	25,982	5,650	57,708	68,392	49,429	345	213,334
1975	5,944	26,481	5,781	57,846	69,585	49,447	371	215,457
1976	6,063	27,017	5,915	58,052	70,699	49,413	393	217,554
1977	6,211	27,596	6,078	58,301	71,843	49,333	397	219,761
1978	6,396	28,257	6,257	58,537	73,002	49,243	402	222,096
1979	6,591	28,890	6,439	58,708	74,312	49,227	404	224,569
1980	6,796	29,623	6,595	58,916	75,739	49,182	405	227,255
1981	6,906	30,241	6,753	59,000	77,054	49,269	416	229,637
1982	6,947	30,927	6,923	58,944	78,484	49,328	445	231,996
1983	6,965	31,606	7,064	58,919	79,715	49,535	482	234,284
1984	7,025	32,247	7,148	59,078	80,768	49,729	505	236,495
1985	7,096	32,992	7,216	59,196	81,859	49,859	521	238,740

Source: Regional Economic Information System, Bureau of Economic Analysis, U.S. Department of Commerce, Washington, DC. Annual.

Table 38—Lumber consumption In the United States, by demand region and year, 1950-85^{1/}

(In million board feet, lumber tally)

Year	Northwest	Southwest	Rocky Mountains	North Central	Northeast	South	United States
1950	3,846.8	6,827.6	2,268.9	12,123.0	5,936.1	2,363.9	33,366.2
1951	3,399.0	7,107.6	1,924.4	10,708.0	5,570.6	2,157.7	30,867.3
1952	3,211.9	7,052.1	2,029.1	11,439.1	5,338.0	2,865.0	31,935.2
1953	2,627.4	5,582.1	1,495.2	11,098.1	5,022.6	5,803.8	31,629.2
1954	2,484.2	5,038.4	1,248.9	11,668.5	4,658.5	6,454.3	31,552.9
1955	2,584.7	5,140.9	1,410.1	11,926.0	5,006.1	6,422.0	32,489.8
1956	2,273.8	5,241.3	1,371.9	12,034.9	5,142.5	6,625.0	32,689.3
1957	2,092.6	4,621.2	1,155.7	10,635.8	4,449.7	6,233.5	29,188.5
1958	2,344.0	4,554.2	1,169.6	10,953.5	4,360.9	6,601.2	29,983.4
1959	2,687.4	5,042.7	1,255.9	13,123.5	4,760.1	6,772.9	33,642.4
1960	2,328.8	4,845.4	1,103.1	10,787.7	4,581.0	5,971.4	29,617.5
1961	2,368.1	5,104.1	1,067.3	10,138.1	4,394.0	6,316.6	29,388.2
1962	1,951.3	5,410.0	952.6	10,743.5	4,906.2	6,737.8	30,701.5
1963	1,910.0	5,543.1	924.8	11,570.3	4,920.9	6,879.8	31,748.9
1964	2,019.2	5,544.4	1,005.2	12,241.1	5,156.1	7,326.0	33,292.0
1965	2,025.9	5,130.2	1,000.0	12,379.9	5,163.7	7,612.4	33,312.2
1966	1,795.5	5,092.4	958.2	12,490.2	4,811.6	7,471.4	32,619.3
1967	1,460.2	4,961.4	1,109.1	12,390.0	4,061.5	7,825.6	31,807.9
1968	1,636.2	5,858.9	1,166.3	13,196.9	4,221.7	8,670.1	34,750.0
1969	1,939.9	5,855.1	1,216.1	11,470.8	4,034.0	8,349.3	32,865.2
1970	1,711.5	5,430.0	1,401.3	10,596.7	4,057.4	8,437.3	31,634.2
1971	2,397.9	6,460.4	1,829.5	11,358.7	4,415.8	9,557.1	36,019.4
1972	2,322.5	7,075.4	2,283.6	12,033.8	4,374.6	10,287.8	38,377.7
1973	2,386.4	7,157.2	2,310.8	11,942.5	4,605.2	9,996.1	38,398.2
1974	2,176.4	6,496.9	2,176.0	10,171.5	4,064.1	8,136.8	33,221.6
1975	2,276.4	6,243.8	2,036.7	8,850.7	3,425.2	7,376.6	30,209.4
1976	2,864.4	7,623.0	2,761.8	10,415.9	3,977.3	8,665.3	36,307.7
1977	2,813.1	9,351.1	3,259.1	11,124.3	4,078.6	10,184.6	40,810.7
1978	3,352.1	9,590.7	3,464.6	11,167.4	4,342.6	10,863.5	42,780.9
1979	3,416.0	9,615.4	3,659.1	9,831.1	4,171.1	10,293.2	40,985.9
1980	2,971.2	8,098.5	3,055.3	7,524.7	3,566.5	9,227.3	34,443.4
1981	3,038.9	7,067.1	2,931.2	6,360.7	3,361.8	9,311.5	32,071.1
1982	3,039.9	6,287.7	2,767.1	5,898.3	3,310.2	10,088.9	31,392.1
1983	4,203.3	8,450.9	3,446.4	7,156.0	4,251.5	12,553.8	40,061.8
1984	4,714.2	9,675.5	3,528.0	7,327.1	4,661.7	12,820.5	42,727.0
1985	4,255.1	10,219.6	3,411.1	7,543.7	5,515.5	12,910.6	43,855.5

^{1/}The percentage of total shipments to each demand region from the supply regions was estimated from shipment reports published by Western Wood Products Association, California Redwood Association, Southern Forest Products Association, and the Bureau of the Census. Shipments from the Pacific Northwest west-side and east-side supply regions were adjusted for Intercompany transfers. Shipments from the North Central and Northeast supply regions were assumed to equal production as reported by the Bureau of the Census. Canadian shipments to U.S. demand regions were calculated by applying shipment percentages provided by "Statistics Canada" to estimates of softwood lumber imports from Canada reported by the Bureau of the Census. Percentages of total shipments to each demand region from these sources were then applied to regional shipments reported by the National Forest Products Association. These individual shipments were summed to provide an initial estimate of lumber consumption in each demand region. The estimates for all regions were then summed to provide an estimate of total U.S. lumber consumption. These regional and national percentages were applied to total U.S. apparent consumption to yield the final estimates of lumber consumption by demand region.

Sources: National Forest Products Association. Quarterly statistical supplement to Economics Monthly. Table 1—Estimated regional sources of domestic lumber consumption. Washington, DC. Western Wood Products Association. Destination of shipments of western wood species by State. Issued quarterly. Portland, OR. California Redwood Association. Annual report of redwood shipments. Mill Valley, CA. Bureau of the Census. Lumber production and mill stocks. Current industrial reports. Series MA-24T. U.S. Department of Commerce, Washington, DC. Bureau of the Census. U.S. Imports—commodity by country. Report IM-145X. Monthly issue. U.S. Department of Commerce, Washington, DC. Southern Forest Products Association. Distribution of southern pine shipments. Annual issue. New Orleans, LA.

Table 39—Plywood consumption in the United States, by demand region and year, 1950-85

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

Year	Northwest	Southwest	Rocky Mountains	North Central	Northeast	South	United States
1950	290.19	376.32	63.57	876.97	503.73	440.15	2,550.94
1951	303.10	445.61	67.03	920.08	573.56	556.94	2,866.32
1952	278.92	452.63	69.73	982.39	634.05	619.55	3,037.26
1953	289.30	518.69	88.59	1,221.91	793.28	749.17	3,660.94
1954	277.46	569.77	110.98	1,325.17	799.95	813.23	3,896.57
1955	356.22	732.79	137.40	1,710.34	1,015.21	1,114.95	5,066.91
1956	364.99	812.55	144.10	1,697.14	1,068.14	1,136.51	5,223.44
1957	383.38	853.71	147.12	1,680.08	1,104.74	1,275.92	5,444.94
1958	457.96	969.91	189.28	1,960.77	1,196.66	1,553.63	6,328.21
1959	577.35	1,224.61	228.58	2,377.73	1,409.99	1,937.85	7,756.10
1960	602.85	1,269.98	238.32	2,314.97	1,418.93	1,965.33	7,810.38
1961	680.68	1,369.10	278.46	2,421.06	1,556.46	2,270.66	8,576.42
1962	759.40	1,551.32	316.58	2,575.65	1,712.96	2,564.18	9,480.09
1963	809.76	1,652.36	361.26	2,798.75	1,806.31	2,751.54	10,179.99
1964	921.17	1,842.34	377.86	3,225.86	2,145.10	3,110.86	11,623.18
1965	1,151.05	1,777.88	394.11	3,405.61	2,357.15	3,334.30	12,420.10
1966	1,330.28	1,834.23	397.37	3,569.77	2,442.13	3,434.24	13,008.02
1967	1,431.98	1,800.39	380.13	3,405.52	2,327.63	3,530.49	12,876.14
1968	1,786.92	2,143.41	436.05	3,940.64	2,398.27	3,933.28	14,638.56
1969	1,642.77	1,930.33	418.26	3,508.44	2,186.24	3,816.63	13,502.67
1970	1,631.23	2,049.50	514.90	3,406.69	2,348.05	4,274.95	14,225.33
1971	1,711.17	2,327.53	757.57	4,037.04	2,523.56	5,185.02	16,541.89
1972	1,624.70	2,366.69	917.44	4,166.84	2,624.38	6,407.43	18,107.47
1973	1,731.93	2,388.24	845.91	4,180.33	2,448.40	6,298.75	17,893.56
1974	1,761.27	2,040.86	799.28	3,622.05	2,135.63	4,967.87	15,326.96
1975	1,873.94	2,035.01	762.33	3,545.33	2,004.71	5,017.36	15,238.69
1976	2,269.13	2,399.16	961.50	4,074.91	2,150.09	5,862.37	17,717.15
1977	2,351.60	2,688.65	1,047.95	4,331.28	1,991.31	6,692.57	19,103.36
1978	2,397.66	2,675.16	1,090.03	4,380.08	2,094.21	7,087.18	19,724.32
1979	2,247.77	2,682.76	992.01	4,056.61	2,147.39	7,146.80	19,273.33
1980	1,652.60	2,089.72	825.49	3,012.70	1,839.47	6,512.89	15,932.87
1981	1,582.21	3,424.51	753.59	3,039.38	1,949.00	6,737.32	17,486.02
1982	1,275.68	1,672.85	667.23	2,740.42	1,939.74	7,045.65	15,341.56
1983	1,627.39	2,279.92	784.21	3,242.99	2,110.89	8,930.99	18,976.38
1984	1,756.74	2,676.94	794.72	3,196.79	2,372.20	8,799.64	19,597.02
1985	1,696.15	2,791.03	680.49	3,463.40	2,833.69	8,557.95	20,022.71

^{1/}Percentages of plywood shipments reported to all demand regions were applied to U.S. apparent consumption (Ulrich 1987). Softwood plywood imports were assumed to be distributed across demand regions in the same proportions as domestic shipments.

Sources—American Plywood Association. Industry shipments of plywood—all grades by States. Quarterly. Tacoma, WA. **Ulrich, Alice H. 1987.** U.S. timber production, trade, consumption, and price statistics 1950-85. U.S. Department of Agriculture, Miscellaneous Publication 1453. **Table 38—Plywood** production, imports, exports, and consumption, by softwoods and hardwoods, 1950-85.

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Collecting and preparing the timber resource information used in the TAMM model are parts of a complex process: Jonna Kincaid, scientific programmer, provided programming services and data analysis support.

METRIC EQUIVALENTS

1 square meter (m^2) = 10.76 square feet (ft^2)
1 cubic meter (m^3) = 35.314 cubic feet (ft^3)
4.53 cubic meters = 1,000 board feet (MBF), Scribner log scale
2.36 cubic meters = 1,000 board feet (MBF), lumber tally

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APPENDIX

Conversions For Data Series Names

The following tabulation provides a cross-listing of the time series data reported here and stored electronically in LOTUS 1-2-3 spreadsheets along with the mainframe variable names used in TAMM. The range names used within each 1-2-3 spreadsheet are also listed to facilitate access to data series. Individual variable names are listed in parentheses in each table of this report. For most series, these variables are listed in the following notation:

Variable descriptor (VVVVVV) + region descriptor (xx) = VVVVVVxx

where the region descriptor (xx) is one of the following:

SUPPLY REGION

Pacific Northwest-west side	WW
Pacific Northwest-east side	WE
Pacific Southwest	SW
Northern Rocky Mountains	NR
Southern Rocky Mountains	SR
Southeast	SE
South Central	SC
Northeast	NE
North Central	NC
Alaska	AK
United States	US
Canada	CAN

DEMAND REGION

Northwest	NW
Southwest	SW
Rocky Mountains	RK
North Central	NC
Northeast	NE
South	SO
Alaska	AK
United States	US
Canada	CAN

For example, table 1 lists IFIWW under the column heading for softwood timber inventory on forest industry lands in the Pacific Northwest--west side. The notation used to represent this mainframe variable is IFIxx, where IFI is "inventory forest industry," and xx is the supply region, WW.

LOTUS 1-2-3 File and Range Names, Mainframe Variables, and Corresponding Tables

LOTUS 1-2-3 file and range name	Main- frame variable name	Table number	Table name
TDRESC.WK1			
NFSOLD	RXSV	3	Volume of timber sold on National Forest Regions in the United States, by year, 1950-85
CUTNF	RxCV	4	Volume of softwood timber harvested on National Forest Regions in the United States, by year, 1950-85
CUTOG	COGxx	5	Volume of softwood timber harvested on other public lands in the United States, by supply region and year, 1950-85
CUTFI	CFIXx	6	Volume of softwood timber harvested by forest industry in the United States, by supply region and year, 1950-85
CUTOP	COPxx	7	Volume of softwood timber harvested by other private landowners in the United States, by supply region and year, 1950-85
CUTAL	CALxx	8	Volume of softwood timber harvested by all landowners in the United States, by supply region and year, 1950-85
PULPPROD	PULPXX	9	Softwood pulpwood production in the United States, by supply region and year, 1950-85
FUELWOOD	FUELxx	10	Softwood fuelwood production in the United States, by supply region and year, 1950-85
MISCPROD	MISCxx	11	Softwood miscellaneous products production in the United States, by supply region and year, 1950-85

RATIOS	xxST XXPW	12	Softwood sawtimber and pulpwood harvest ratios for the eastern supply regions, by year, 1950-85
PSOLD	XXSP	13	Value of timber sold in National Forest Regions in the United States, by year, 1950-85
PCUT	XXCP	14	Value of timber harvested in National Forest Regions in the United States, by year, 1950-85
PPULP	xxDELPW PRESXX	15	Pulpwood, chip, and residue prices in the Pacific Northwest (west side), the South Central, and the Southeast supply regions, by year, 1950-85
LOGCOST	xxLOCO	16	Logging and hauling costs for saw and veneer logs in selected supply regions, by year, 1950-85
PPI	PPIXXX	17	Wholesale price indexes, by year, 1950-85
TDPROD.WK1			
LUMPROD	LPRODxx	18	Softwood lumber production in the United States, by supply region and year, 1950-85
PLUM	PLUMxx	19	Softwood lumber prices in the United States, by supply region and year, 1950-85
LUMCOST	XXLUCO	20	Softwood lumber production costs in the United States, by supply region and year, 1950-85
LURGF	LURGFxx	21	Softwood lumber residue generation factors for the Pacific Northwest (west side), the South Central, and the Southeast supply regions, by year, 1950-85
LUMOR	LORxx	22	Softwood lumber production overruns in the United States, by supply region and year, 1950-85
LUMCAP	KLxx	23	Softwood lumber capacity in the United States, by supply region and year, 1950-85

SPPROD	SPPRODxx	24	Structural panel production in the United States, by supply region and year, 1950-85
OSBPROD	OSBxx	25	Oriented strandboard-waferboard production in the United States, by supply region and year, 1950-85
PLYPROD	PPRODxx	26	Softwood plywood production in the United States, by supply region and year, 1950-85
PPLY	PPLYXX	27	Softwood plywood prices for the west coast and the South, by year, 1950-85
PLYCOST	XXPLCO	28	Softwood plywood manufacturing costs, by supply region and year, 1950-85
PURGF	PURGFxx	29	Softwood plywood residue generation factors for the Pacific Northwest (west side), the South Central, and the Southeast supply regions, by year, 1950-85
PLYOR	PORxx	30	Softwood plywood production overruns in the United States, by supply region and year, 1950-85
PLYCAP	KPxx	31	Softwood plywood capacity in the United States, by supply region and year, 1950-85
TDMKTS.WK1			
INVFI	IFIxx	1	Softwood timber inventory on forest industry lands, by supply region and year, 1950-85
INVOP	IOPXX	2	Softwood timber inventory on other private lands, by supply region and year, 1950-85
TRADE	xxxxEXP xxxxIMP	32	Softwood log, lumber, and plywood imports and exports in the Pacific Northwest and the United States, by year, 1950-85
CANADA	various	33	Canada softwood lumber production, mill capacity, exports, production cost, prices, and Canada-United States currency exchange rate, by year, 1950-85

SUPINC	SINCxx	34	Per capita personal income of the United States, by supply region and year, 1950-85
SUPPOP	SPOPXX	35	Population of the United States, by supply region and year, 1950-85
DMDINC	DINCxx	36	Per capita personal income of the United States, by demand region and year, 1950-85
DMDPOP	DPOPxx	37	Population of the United States, by demand region and year, 1950-85
LUMDMD	LDMDxx	38	Lumber consumption in the United States, by demand region and year, 1950-85
PLYDMD	PDMDxx	39	Plywood consumption in the United States, by demand region and year, 1950-85

An electronic copy of the series presented in this report is available. Send an IBM-formatted 360KB or 1.2MB floppy diskette with a self-addressed, diskette mailer to:

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Adams, Darius M.; Jackson, Kristine C.; Haynes, Richard W. 1988. Production, consumption, and prices of softwood products in North America: regional time series data, 1950 to 1985. Resour. Bull. PNW-RB-151. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 49 p.

This report provides 35 years of information on softwood timber production and consumption in the United States and Canada. Included are regional time series on production and prices of softwood lumber, plywood, residues, and pulpwood; timber harvest volumes and values; production costs; and recovery factors.

Keywords: Economics (forest products industries), forest products industries, forest products, marketing (forest products), timber supply, timber demand, forest products prices.

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

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