

PULPWOOD PRODUCTION in the Northeast 1971



**by James T. Bones
and David R. Dickson**

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6816 MARKET STREET, UPPER DARBY, PA. 19082
WARREN T. DOOLITTLE, DIRECTOR

FOREWORD

—A major factor in the seemingly erratic behavior of pulpwood procurement patterns recently can be traced to the mortality of some of the Northeast's older and smaller pulpmills. The cover photograph depicts the scene of one such event.

In the early 1960's both the town of Lincoln, New Hampshire, (population 1900) and the Franconia Paper Corporation were dumping wastes into the Pemigewasset River. According to local accounts, these wastes were adversely affecting the water quality as far downstream as Lowell, Massachusetts, 85 miles away. As public concern for the environment grew, and pollution-abatement legislation was enacted, the Company and Town laid plans for compliance with the new State laws. A chronological account from news releases dramatizes the Company's struggle:

- January 1970.—New company formed (Franconia Mfr. Co.) will use market pulp while new equipment is added to pulpmill.
- November 1970.—Bankruptcy proceedings initiated . . . sulfite pulpmill will close.
- October 1971.—Company re-opens . . . again buying roundwood . . . pulpmill soon to start operating.
- January 1972.—Company switches to hardwood pulp . . . has trouble with Copeland equipment for water treatment.
- April 1972.—Company facilities shut down . . . equipment to be auctioned at later date.

Financially, the Company's closing represented the loss of 250 jobs for Lincoln residents; and the water-treatment facilities that were constructed for \$4-1/2 million in Federal, state, and local funds are currently idle.

PULPWOOD PRODUCTION in the Northeast 1971

ABSTRACT

An annual report based upon canvasses of pulpwood production in the Northeast, containing data about pulpwood production from roundwood in the 14 Northeastern States by counties and species groups, and pulpwood chip production from plant residues. Comparisons are made with the previous year's production data. Trends in pulpwood production for the past 9 years are shown.

The Authors

JAMES T. BONES, research forester, received his bachelor's degree in soil conservation from Utah State University in 1952 and his master's degree in forest management from the same university in 1956. He worked at the Pacific Northwest Station and the Institute of Northern Forestry until 1965, when he became a United Nations forestry advisor to the Government of Colombia in South America. After his return in March 1968, he was transferred to the Northeastern Forest Experiment Station. He is now stationed in Upper Darby, Pa., where he is working in the timber-removals phase of Forest Survey.

DAVID R. DICKSON, research forester, received his bachelor's degree in forestry from the University of New Hampshire in 1954. He joined the Lake States Forest Experiment Station in 1954. After serving 2 years in the Army, he joined the Northeastern Forest Experiment Station in 1957. Since that time he has been involved in the many aspects of the field and office phases of Forest Survey. He is now responsible for operation of the data-processing system to compile, summarize, and analyze resource data from the many and varied resource studies of Forest Survey.

BACKGROUND

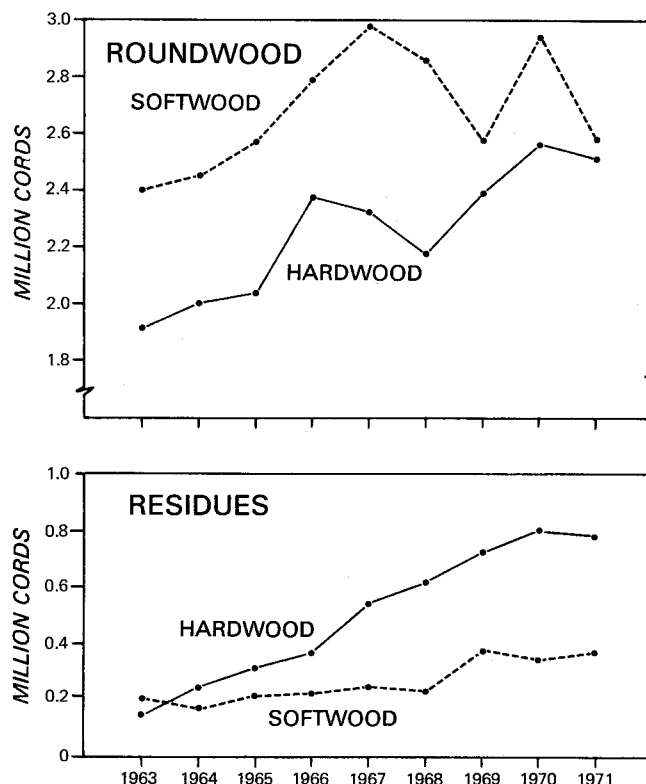
THIS ANNUAL report is based on a canvass of all pulpmills in the Northeast that use wood—either roundwood or plant residues—as a basic raw material for a variety of products. Mills that use pulpwood as a raw material in producing insulation board and hardboard were also included in the canvass.

The statistics for production from roundwood reported in this bulletin are based upon mill receipts, which are subject to fluctuations caused by uneven wood-inventory buildups or liquidations from year to year. The plant residues are received at the pulpmill mostly in chip form; however, some coarse residues are being chipped at the mill site. Origins of mill receipts of pulpwood from roundwood are reported by county where harvested. However, pulpwood from plant residues can be traced only to the state where it was produced; some of the logs from which the residues came were probably harvested in states other than the one in which they were processed.

Pulpwood Production Declines

Pulpwood production in the Northeast in 1971 decreased 6 percent from the 6,649,500 cords reported in 1970. This decrease was due mainly to a slackening in roundwood production from softwoods, which dropped close to 1969 production levels (fig. 1). Hardwood pulpwood production from both roundwood and plant residues dipped slightly; but even so, hardwoods accounted for nearly 53 percent of the 1971 production total. Softwood pulpwood production from plant residues was up 6 percent over the 351,700-cord equivalents produced in 1970.

Figure 1.—Pulpwood production for all states, by years and sources of wood.



ROUND PULPWOOD PRODUCTION
IN THE NORTHEAST, 1971

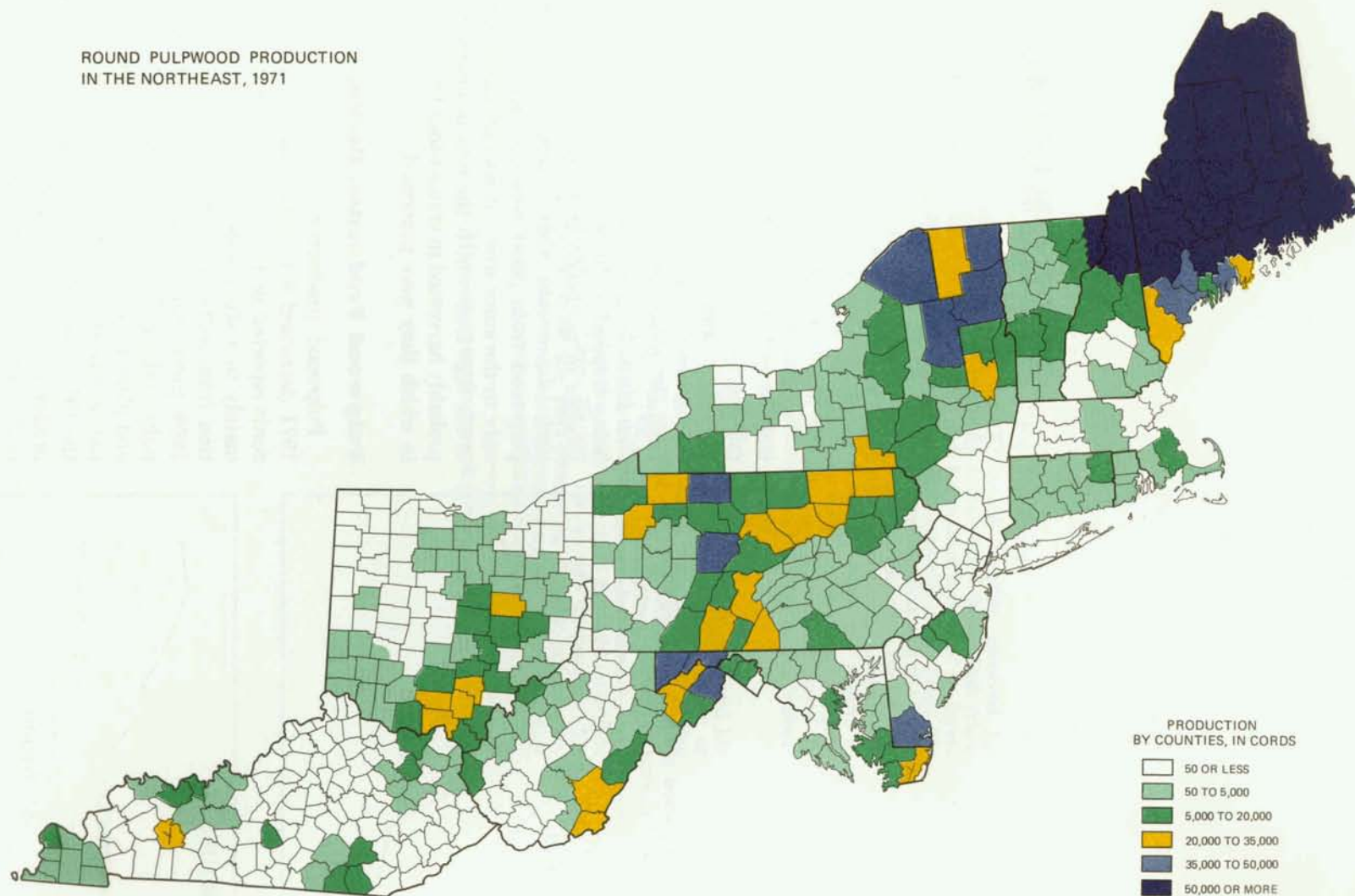


Figure 2.—Geographical pattern of pulpwood production from round-wood in the Northeast, 1971.

Receipts of pulpwood at woodpulp mills in the Station's 14-state territory (Connecticut, Delaware, Kentucky, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, and West Virginia) totaled 6,846,500 cords in 1971. Hardwood receipts exceeded those of softwoods by 118,300 cords. Total receipts exceeded total production by 606,100 cords (table 2).

Five of the 14 states (Connecticut, Delaware, Massachusetts, Vermont, and West Virginia) produced more wood than they received. Delaware and West Virginia had no operating woodpulp mills; Vermont, Massachusetts, and Connecticut each had one. Pulpwood receipts at New York's woodpulp mills continued the decline that started 2 years ago. Total 1971 receipts were 8 percent below those of 1970 and 13 percent below those of 1969, when 667,100 cords were received by the State's 15 pulpmills.

As in previous years, much of the deficit of softwood pulpwood was made up by shipments of Canadian pulpwood into the Northeastern States; however, pine pulpwood shipments from the South have also increased. As the demand for hardwood pulpwood grows, greater quantities of hardwoods are being shipped in from the Central States, the South, and Canada. Hardwood receipts in the Northeast exceeded production by 187,600 cords in 1971.

Production from Roundwood Decreases

The production of pulpwood from roundwood decreased 423,400 cords—8 percent below that of 1970. The 5,078,500 cords of roundwood produced in 1971 represents only a slight gain over the 1969 production level.

1971 pulpwood production from roundwood was up from 1970 in four states—Kentucky, New Hampshire, Ohio, and Rhode Island. Most significant was Kentucky's 53 percent jump in roundwood production—from 115,200 cords in 1970 to 176,300 cords in 1971. Increases in round pulpwood production in these states reflected higher mill operating levels in 1971 than in 1970. Production declines of more than 20 percent were registered in Delaware, Maryland, and New Jersey.

Twelve Counties Top 50-Thousand-Cord Mark

Twelve counties in three states produced more than 50,000 cords of pulpwood from roundwood in 1971 (fig. 2). This is two less than the number of counties reaching this record in 1970, and a drop of 8 counties from the 1967 record level of 20 counties. Clearfield County, Pa., and Sussex County, Del., were dropped from this year's list of high producers.

Counties that produced over 50,000 cords of pulpwood from roundwood in 1971 and their production totals are listed below:

<i>County and State</i>	<i>Production (thousand cords)</i>
1. Aroostook, Maine	603.3
2. Penobscot, Maine	422.0
3. Piscataquis, Maine	421.9
4. Washington, Maine	331.8
5. Somerset, Maine	300.6
6. Oxford, Maine	218.4
7. Coos, New Hampshire	205.8
8. Franklin, Maine	139.5
9. Hancock, Maine	77.5
10. Waldo, Maine	76.4
11. Kennebec, Maine	59.9
12. Essex, Vermont	52.6

Intensity of the Roundwood Harvest

Although figure 2 shows the total roundwood harvest by production class and county in the Northeast, this figure does not relate the volume harvested to the volume of growing-stock trees that are actually present. (Growing-stock volume is net volume in cubic feet of sound live trees of a commercial species, that are 5.0 inches d.b.h. and over from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central bole, or to the point where the central stem breaks into limbs. The growing-stock volumes by species group and states are based upon those compiled for the 1970 National Timber Review.)

The following tabulation presents one measure of the intensity of harvest by state and species groups—thousand cubic feet of growing stock present in each of the Northeastern States for each cord of pulpwood harvested in 1971:

State	Harvesting Intensity	
	Softwood	Hardwood
Connecticut	54.3	253.1
Delaware	5.2	225.3
Kentucky	25.1	52.3
Maine	7.4	7.7
Maryland	6.7	33.7
Massachusetts	86.5	572.6
New Hampshire	30.2	15.9
New Jersey	13.2	671.8
New York	28.8	38.1
Ohio	12.8	15.4
Pennsylvania	46.1	33.9
Rhode Island	11.1	49.4
Vermont	24.4	40.9
West Virginia	9.5	84.4
Northeast	10.7	29.0

For each cord of pulpwood harvested in the Northeast in 1971, there were 10,700 cubic feet of softwood and 29,000 cubic feet of hardwood growing-stock. The softwood harvest was more intensive than the regional average in Delaware, Maine, Maryland, and West Virginia. The hardwood harvest was more intensive than the regional average in Maine, New Hampshire, and Ohio. The intensity of harvest was relatively low in most of the urbanizing states of the Northeast, such as Connecticut, Massachusetts, and New Jersey. In Delaware there was a pronounced imbalance in the intensity of harvest between species groups; high for softwoods and low for hardwoods.

Wood Chip Production Increases

The production of wood chips from plant residues for pulpwood increased 1 percent over the 1,147,600 cord equivalents produced in

1970. Pulpwood chip production by states between 1970 and 1971 compared as follows:

	1970 (thousand cords)	1971 (thousand cords)	Change (percent)
Connecticut	0.2	(*)	- 78
Delaware	1.5	3.5	+133
Kentucky	124.4	128.0	+ 3
Maine	248.1	260.1	+ 5
Maryland	116.6	124.2	+ 7
Massachusetts	11.1	12.4	+ 12
New Hampshire	105.4	92.2	- 13
New Jersey	.9	.4	- 56
New York	121.8	126.3	+ 4
Ohio	92.0	84.1	- 9
Pennsylvania	170.3	189.4	+ 11
Rhode Island	1.5	1.7	+ 13
Vermont	24.5	27.4	+ 12
West Virginia	129.3	112.2	- 13
Total	1,147.6	1,161.9	+ 1

* Less than 50 cords.

Chip production was up in nine states. Delaware showed the highest percentage gain (133 percent), and Pennsylvania showed the highest absolute volume gain (19,100 cord equivalents). The 1971 production of chips from plant residues accounted for 19 percent of the northeastern pulpwood production total, while in 1970 this proportion was 17 percent.

Softwood chip production from plant residues rose 6 percent between 1970 and 1971, while hardwood chip production dropped 1 percent. The 1971 loss in the production of hardwood chips is the first loss registered since our annual surveys began in 1963. The softwood chip production level was 15,400 cords below the record high of 388,800 cords that was reached in 1969.

Table 1.—Total production of pulpwood in the Northeast, by sources and states, 1971

[In thousands of rough cords]^a

State	Source		
	From roundwood	From plant residues	From all sources
Connecticut	10.8	(*)	10.8
Delaware	45.8	3.5	49.3
Kentucky	176.3	128.0	304.3
Maine	2,836.9	260.1	3,097.0
Maryland	154.6	124.2	278.8
Massachusetts	12.3	12.4	24.7
New Hampshire	237.1	92.2	329.3
New Jersey	31.2	.4	31.6
New York	355.9	126.3	482.2
Ohio	276.0	84.1	360.1
Pennsylvania	585.7	189.4	775.1
Rhode Island	6.8	1.7	8.5
Vermont	120.9	27.4	148.3
West Virginia	228.2	112.2	340.4
All states	5,078.5	1,161.9	6,240.4

^a 1 cord = 128 cubic feet of wood, bark, and air space.

* Less than 50 cords.

Table 2.—Total production and receipts of pulpwood in the Northeast, by states and species groups, 1971

[In thousands of rough cords]

State	Total production		Total receipts		Production surplus (+) or deficit (-)
	Softwood	Hardwood	Softwood	Hardwood	
Connecticut	4.2	6.6	(D)	(D)	+ (D)
Delaware	44.3	5.0	—	—	+ 49.3
Kentucky	29.0	275.3	137.0	358.2	-190.9
Maine	2,194.7	902.3	2,457.5	901.1	-261.6
Maryland	158.0	120.8	142.8	278.0	-142.0
Massachusetts	13.7	11.0	(D)	(D)	+ (D)
New Hampshire	156.6	172.7	192.9	323.0	-186.6
New Jersey	29.2	2.4	42.0	12.0	- 22.4
New York	121.2	361.0	199.6	382.1	- 99.5
Ohio	11.3	348.8	4.0	483.1	-127.0
Pennsylvania	43.7	731.4	148.5	725.4	- 98.8
Rhode Island	2.0	6.5	(D)	(D)	- (D)
Vermont	64.5	83.8	(D)	(D)	+ (D)
West Virginia	73.2	267.2	—	—	+340.4
All states	2,945.6	3,294.8	3,364.1	3,482.4	-606.1

(D) Data withheld to avoid disclosure for individual mills.

Table 3.—Production of pulpwood from roundwood in the Northeast, by states and species groups, 1971

[In thousands of rough cords]

State	Softwood				Hardwood				Total production
	Cut and retained in State	Shipped to other states		Total Softwood	Cut and retained in State	Shipped to other states		Total hardwood	
		In Northeast	Outside Northeast			In Northeast	Outside Northeast		
Connecticut	2.4	1.8	—	4.2	—	6.6	—	6.6	10.8
Delaware	—	21.0	22.9	43.9	—	1.9	—	1.9	45.8
Kentucky	1.3	—	23.5	24.8	85.2	37.7	28.6	151.5	176.3
Maine	1,967.2	26.7	1.0	1,994.9	796.3	45.7	—	842.0	2,836.9
Maryland	20.4	11.1	47.7	79.2	69.9	5.5	—	75.4	154.6
Massachusetts	—	8.9	—	8.9	—	3.4	—	3.4	12.3
New Hampshire	69.5	26.5	—	96.0	133.6	7.5	—	141.1	237.1
New Jersey	29.2	—	—	29.2	2.0	—	—	2.0	31.2
New York	99.6	8.9	5.6	114.1	216.3	13.2	12.3	241.8	355.9
Ohio	(*)	9.7	—	9.7	266.0	.3	—	266.3	276.0
Pennsylvania	26.1	8.6	—	34.7	507.0	44.0	—	551.0	585.7
Rhode Island	1.8	—	—	1.8	5.0	—	—	5.0	6.8
Vermont	9.5	52.2	—	61.7	—	59.2	—	59.2	120.9
West Virginia	—	61.6	7.5	69.1	—	102.5	56.6	159.1	228.2
All States	2,227.0	237.0	108.2	2,572.2	2,081.3	327.5	97.5	2,506.3	5,078.5

* Less than 50 cords.

Table 4.—Production of chips from plant residues in the Northeast, by states and species groups, 1971^a

[In thousands of rough cord equivalents]

State	Softwood				Hardwood				Total production
	Produced and retained in State	Shipped to other states		Total Softwood	Produced and retained in State	Shipped to other states		Total hardwood	
		In Northeast	Outside Northeast			In Northeast	Outside Northeast		
Connecticut	—	(*)	—	(*)	—	—	—	—	(*)
Delaware	—	0.4	—	0.4	—	3.1	—	3.1	3.5
Kentucky	—	2.3	1.9	4.2	76.7	17.7	29.4	123.8	128.0
Maine	198.7	1.1	—	199.8	55.8	4.5	—	60.3	260.1
Maryland	.4	78.4	—	78.8	7.1	38.3	—	45.4	124.2
Massachusetts	—	4.8	—	4.8	.6	7.0	—	7.6	12.4
New Hampshire	39.8	20.8	—	60.6	27.0	4.6	—	31.6	92.2
New Jersey	—	—	—	—	—	.4	—	.4	.4
New York	1.7	5.4	—	7.1	84.3	16.5	18.4	119.2	126.3
Ohio	1.6	—	—	1.6	82.2	.3	—	82.5	84.1
Pennsylvania	6.4	2.6	—	9.0	143.6	36.8	—	180.4	189.4
Rhode Island	—	.2	—	.2	—	1.5	—	1.5	1.7
Vermont	—	2.8	—	2.8	—	24.5	.1	24.6	27.4
West Virginia	—	2.8	1.3	4.1	—	66.6	41.5	108.1	112.2
All states	248.6	121.6	3.2	373.4	477.3	221.8	89.4	788.5	1,161.9

^a Includes sawmill slabs and edgings, veneer cores, and post and pole trimmings.

* Less than 50 cords.

Table 5.—Receipts of pulpwood from roundwood in the Northeast, by states and counties and species groups, 1971

[In thousands of rough cords]

State	Softwood				Hardwood				Total receipts
	Cut and retained in State	Receipts from other states		Total softwood	Cut and retained in State	Receipts from other states		Total hardwood	
		In Northeast	Outside Northeast			In Northeast	Outside Northeast		
Connecticut	2.4	(D)	(D)	(D)	—	(D)	(D)	(D)	(D)
Delaware	—	—	—	—	—	—	—	—	—
Kentucky	1.3	—	109.4	110.7	85.2	—	64.7	149.9	260.6
Maine	1,967.2	7.5	235.6	2,210.3	796.3	5.8	38.1	840.2	3,050.5
Maryland	20.4	67.4	49.3	137.1	69.9	126.1	9.1	205.1	342.2
Massachusetts	—	—	—	—	—	—	—	—	—
New Hampshire	69.5	35.9	23.5	128.9	133.6	92.4	44.4	270.4	399.3
New Jersey	29.2	8.3	—	37.5	2.0	—	—	2.0	39.5
New York	99.6	57.0	41.0	197.6	216.3	22.2	10.2	248.7	446.3
Ohio	(*)	—	—	(*)	266.0	43.3	23.1	332.4	332.4
Pennsylvania	26.1	47.9	7.2	81.2	507.0	26.1	.5	533.6	614.8
Rhode Island	1.8	(D)	(D)	(D)	5.0	(D)	(D)	(D)	(D)
Vermont	9.5	(D)	(D)	(D)	—	(D)	(D)	(D)	(D)
West Virginia	—	—	—	—	—	—	—	—	—
All states	2,227.0	239.8	471.5	2,938.3	2,081.3	327.5	190.1	2,598.9	5,537.2

(D) Data withheld to avoid disclosure for individual mills.

* Less than 50 cords.

Table 6.—Receipts of chips from plant residues in the Northeast, by states and and species groups, 1971^a

[In thousands of rough cord equivalents]

State ^b	Softwood				Hardwood				Total receipts
	Produced and retained in State	Receipts from other states		Total softwood	Produced and retained in State	Receipts from other states		Total hardwood	
		In Northeast	Outside Northeast			In Northeast	Outside Northeast		
Kentucky	—	—	26.3	26.3	76.7	—	131.6	208.3	234.6
Maine	198.7	22.5	26.0	247.2	55.8	3.4	1.7	60.9	308.1
Maryland	.4	5.3	(*)	5.7	7.1	63.6	2.2	72.9	78.6
Massachusetts	—	(D)	(D)	(D)	.6	(D)	(D)	(D)	(D)
New Hampshire	39.8	2.8	21.4	64.0	27.0	10.7	14.9	52.6	116.6
New Jersey	—	4.5	—	4.5	—	10.0	—	10.0	14.5
New York	1.7	.2	.1	2.0	84.3	30.2	18.9	133.4	135.4
Ohio	1.6	2.0	.4	4.0	82.2	53.9	14.6	150.7	154.7
Pennsylvania	6.4	50.9	10.0	67.3	143.6	48.0	.2	191.8	259.1
Rhode Island	—	(D)	(D)	(D)	—	(D)	(D)	(D)	(D)
All states	248.6	93.0	84.2	425.8	477.3	222.1	184.1	883.5	1,309.3

^aIncludes sawmill slabs and edgings, veneer cores, and post and pole trimmings.^bStates with no receipts are omitted.

(D) Data withheld to avoid disclosure for individual mills.

* Less than 50 cords.

Table 7.—Receipts of pulpwood from roundwood from states outside the Northeast, by states (or provinces) or origin and species groups, 1971

[In thousands of rough cords]

Receiving state ^a	State (or province) of origin	Total softwood	Total hardwood	All species
Kentucky	Alabama	0.9	0.1	1.0
	Illinois	1.4	6.2	7.6
	Indiana	—	23.2	23.2
	Mississippi	97.2	6.6	103.8
	Missouri	1.0	15.5	16.5
	Tennessee	8.9	13.1	22.0
Maine	New Brunswick	219.0	28.3	247.3
	Quebec	16.6	9.8	26.4
Maryland	Virginia	49.3	9.1	58.4
New Hampshire	Quebec	23.5	44.4	67.9
New York	Ontario	1.2	.6	1.8
	Quebec	39.8	9.6	49.4
Ohio	Indiana	—	23.1	23.1
Pennsylvania	Virginia	7.2	.5	7.7
Vermont	Quebec	5.5	—	5.5
All states		471.5	190.1	661.6

^a States with no receipts are omitted.

Table 8.—Receipts of chips from wood-using plants outside the Northeast, by states (or provinces) or origin and species groups, 1971

[In thousands of rough cord equivalents]

Receiving state ^a	State (or province) of origin	Total softwood	Total hardwood	All species
Kentucky	Alabama	—	2.0	2.0
	Illinois	—	32.0	32.0
	Indiana	—	17.7	17.7
	Mississippi	26.3	14.9	41.2
	Missouri	—	20.2	20.2
	Tennessee	—	44.8	44.8
Maine	New Brunswick	9.1	.5	9.6
	Quebec	16.9	1.2	18.1
Maryland	Virginia	(*)	2.2	2.2
New Hampshire	Quebec	21.4	14.9	36.3
New York	Ontario	.1	17.6	17.7
	Quebec	(*)	1.3	1.3
Ohio	Indiana	.4	8.2	8.6
	Virginia	—	6.4	6.4
Pennsylvania	Virginia	10.0	.2	10.2
All states		84.2	184.1	268.3

^a States with no receipts are omitted.

* Less than 50 cords.

Table 9.—Production of pulpwood from roundwood in the Northeast, by states and species groups, 1971

[In thousands of rough cords]

State	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods ^a		
Connecticut	—	—	4.2	4.2	—	2.8	3.8	6.6	10.8
Delaware	—	—	43.9	43.9	—	1.0	.9	1.9	45.8
Kentucky	—	—	24.8	24.8	8.2	109.2	34.1	151.5	176.3
Maine	1,588.7	264.8	141.4	1,994.9	45.2	39.8	757.0	842.0	2,836.9
Maryland	.6	1.2	77.4	79.2	7.0	52.4	16.0	75.4	154.6
Massachusetts	—	—	8.9	8.9	—	1.5	1.9	3.4	12.3
New Hampshire	79.1	7.9	9.0	96.0	18.0	.7	122.4	141.1	237.1
New Jersey	—	—	29.2	29.2	—	—	2.0	2.0	31.2
New York	45.1	28.6	40.4	114.1	18.7	4.1	219.0	241.8	355.9
Ohio	.5	.5	8.7	9.7	8.1	237.7	20.5	266.3	276.0
Pennsylvania	.4	2.6	31.7	34.7	31.3	160.8	358.9	551.0	585.7
Rhode Island	—	—	1.8	1.8	—	2.2	2.8	5.0	6.8
Vermont	53.3	2.5	5.9	61.7	14.4	.1	44.7	59.2	120.9
West Virginia	9.4	5.6	54.1	69.1	25.4	119.3	14.4	159.1	228.2
All states	1,777.1	313.7	481.4	2,572.2	176.3	731.6	1,598.4	2,506.3	5,078.5

^a Chiefly maple, beech, gums, elms, and birch species.

Table 10.—Production of pulpwood from roundwood in southern New England, by states and counties and species groups, 1971

[In thousands of rough cords]

State and county ^a	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Connecticut:	—	—	4.2	4.2	—	2.8	3.8	6.6	10.8
Fairfield	—	—	.1	.1	—	—	—	—	.1
Hartford	—	—	.9	.9	—	—	—	—	.9
Litchfield	—	—	.1	.1	—	—	—	—	.1
Middlesex	—	—	.5	.5	—	—	—	—	.5
New Haven	—	—	.4	.4	—	—	—	—	.4
New London	—	—	.5	.5	—	.4	.5	.9	1.4
Tolland	—	—	.2	.2	—	.2	.3	.5	.7
Windham	—	—	1.5	1.5	—	2.2	3.0	5.2	6.7
Massachusetts:	—	—	8.9	8.9	—	1.5	1.9	3.4	12.3
Barnstable	—	—	.2	.2	—	—	—	—	.2
Berkshire	—	—	—	—	—	—	(*)	(*)	(*)
Bristol	—	—	2.0	2.0	—	.4	.5	.9	2.9
Plymouth	—	—	6.5	6.5	—	1.1	1.4	2.5	9.0
Worcester	—	—	.2	.2	—	—	—	—	.2
Rhode Island:	—	—	1.8	1.8	—	2.2	2.8	5.0	6.8
Kent	—	—	.6	.6	—	1.3	1.7	3.0	3.6
Providence	—	—	1.0	1.0	—	.5	.6	1.1	2.1
Washington	—	—	.2	.2	—	.4	.5	.9	1.1

^a Counties with no production are omitted.

* Less than 50 cords.

Table 11.—Production of pulpwood from roundwood in Delaware and New Jersey, by states and counties and species groups, 1971

[In thousands of rough cords]

State and county ^a	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Delaware:	—	—	43.9	43.9	—	1.0	0.9	1.9	45.8
Kent	—	—	1.6	1.6	—	.2	.1	.3	1.9
Sussex	—	—	42.3	42.3	—	.8	.8	1.6	43.9
New Jersey:	—	—	29.2	29.2	—	—	2.0	2.0	31.2
Burlington	—	—	5.9	5.9	—	—	1.0	1.0	6.9
Camden	—	—	18.6	18.6	—	—	.3	.3	18.9
Cape May	—	—	1.7	1.7	—	—	—	—	1.7
Gloucester	—	—	1.5	1.5	—	—	.7	.7	2.2
Ocean	—	—	1.5	1.5	—	—	—	—	1.5

^a Counties with no production are omitted.

Table 12.—Production of pulpwood from roundwood in Kentucky, by counties and species groups, 1971

[In thousands of rough cords]

County ^a	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Ballard	—	—	0.5	0.5	2.5	5.9	4.3	12.7	13.2
Bath	—	—	1.0	1.0	1.0	2.3	.6	3.9	4.9
Bell	—	—	—	—	—	(*)	—	(*)	(*)
Boyd	—	—	—	—	—	.8	—	.8	.8
Breckinridge	—	—	—	—	—	2.4	1.1	3.5	3.5
Calloway	—	—	.8	.8	.1	.2	.6	1.8	1.8
Carlisle	—	—	—	—	.4	.8	.5	.8	1.6
Carter	—	—	1.0	1.0	.2	2.5	.1	2.8	3.8
Clay	—	—	—	—	—	(*)	—	(*)	(*)
Daviess	—	—	—	—	—	4.1	1.8	5.9	5.9
Elliott	—	—	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Fleming	—	—	(*)	(*)	—	(*)	—	(*)	(*)
Fulton	—	—	—	—	.2	.5	.4	1.1	1.1
Graves	—	—	—	—	.7	1.7	1.4	3.8	3.8
Grayson	—	—	—	—	—	3.4	1.5	4.9	4.9
Green	—	—	.7	.7	.7	10.4	1.0	12.1	12.8
Hancock	—	—	—	—	—	10.7	4.8	15.5	15.5
Hardin	—	—	—	—	—	(*)	(*)	(*)	(*)
Henderson	—	—	—	—	—	3.3	1.5	4.8	4.8
Hickman	—	—	—	—	.4	.8	.6	1.8	1.8
Laurel	—	—	5.7	5.7	—	2.9	1.0	3.9	9.6
Lawrence	—	—	.1	.1	—	.3	—	.3	.4
Lewis	—	—	.5	.5	.9	14.6	.6	16.1	16.6
McCracken	—	—	—	—	.4	.8	.6	1.8	1.8
McCreary	—	—	4.6	4.6	—	3.2	.7	3.9	8.5
Marshall	—	—	—	—	—	—	.4	.4	.4
Meade	—	—	—	—	—	.2	.1	.3	.3
Menifee	—	—	1.9	1.9	.6	1.4	.3	2.3	4.2
Montgomery	—	—	—	—	—	(*)	(*)	(*)	(*)
Morgan	—	—	.1	.1	—	(*)	—	(*)	.1
Muhlenberg	—	—	—	—	—	17.1	7.6	24.7	24.7
Ohio	—	—	—	—	—	1.6	.7	2.3	2.3
Powell	—	—	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Pulaski	—	—	.7	.7	—	—	—	—	.7
Rowan	—	—	.3	.3	.1	12.2	.2	12.5	12.8
Wayne	—	—	1.3	1.3	—	(*)	—	(*)	1.3
Whitley	—	—	5.5	5.5	—	5.1	1.7	6.8	12.3
Wolfe	—	—	.1	.1	—	(*)	(*)	(*)	.1
Total	—	—	24.8	24.8	8.2	109.2	34.1	151.5	176.3

^a Counties with no production are omitted.

* Less than 50 cords.

Table 13.—Production of pulpwood from roundwood in Maine by counties and species groups, 1971

[In thousands of rough cords]

County*	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Androscoggin	3.4	4.3	16.4	24.1	(*)	4.7	11.3	16.0	40.1
Aroostook	506.7	22.0	.1	528.8	14.7	—	59.8	74.5	603.3
Cumberland	3.6	5.0	13.5	22.1	—	4.7	17.2	21.9	44.0
Franklin	40.1	7.2	6.5	53.8	(*)	3.6	82.1	85.7	139.5
Hancock	39.6	10.5	5.3	55.4	1.2	1.7	19.2	22.1	77.5
Kennebec	12.4	8.5	15.7	36.6	.1	2.4	20.8	23.3	59.9
Knox	7.9	2.8	4.6	15.3	(*)	1.5	8.3	9.8	25.1
Lincoln	8.6	3.2	12.4	24.2	—	1.5	12.9	14.4	38.6
Oxford	34.6	23.0	18.7	76.3	1.9	5.6	134.6	142.1	218.4
Penobscot	212.3	69.4	3.0	284.7	9.8	—	127.5	137.3	422.0
Piscataquis	317.7	17.1	5.5	340.3	5.4	1.4	74.8	81.6	421.9
Sagadahoc	2.9	2.3	6.7	11.9	(*)	1.6	1.6	3.2	15.1
Somerset	198.2	13.5	6.2	217.9	.3	—	82.4	82.7	300.6
Waldo	22.2	16.9	11.1	50.2	1.2	2.4	22.6	26.2	76.4
Washington	178.0	58.6	8.3	244.9	10.6	4.0	72.3	86.9	331.8
York	.5	.5	7.4	8.4	(*)	4.7	9.6	14.3	22.7
Total	1,588.7	264.8	141.4	1,994.9	45.2	39.8	757.0	842.0	2,836.9

* Less than 50 cords.

Table 14.—Pulpwood production from roundwood in Maryland, by counties and species groups, 1971

[In thousands of rough cords]

County*	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Allegany	0.1	0.3	2.8	3.1	3.5	25.2	7.3	36.0	39.1
Anne Arundel	(*)	.1	9.2	9.3	(*)	(*)	.1	.1	9.4
Baltimore	—	—	(*)	(*)	—	.3	.1	.4	.4
Calvert	.2	.3	2.8	3.4	—	—	—	—	3.4
Caroline	—	—	2.2	2.2	—	—	.1	.1	2.3
Carroll	—	—	.2	.2	—	.2	.1	.3	.5
Charles	—	—	3.1	3.1	—	—	(*)	(*)	3.1
Dorchester	—	—	9.0	9.0	—	—	—	—	9.0
Frederick	—	—	—	—	—	1.2	.6	1.8	1.8
Garrett	.1	.1	.8	1.0	3.5	24.2	6.9	34.6	35.6
Harford	—	—	—	—	(*)	(*)	(*)	(*)	(*)
Howard	—	—	—	—	—	—	(*)	(*)	(*)
Montgomery	—	—	(*)	(*)	—	—	(*)	(*)	(*)
Prince Georges	—	—	(*)	(*)	—	—	—	—	(*)
Queen Annes	—	—	.1	.1	—	—	—	—	.1
St. Marys	.2	.4	3.3	3.9	—	—	—	—	3.9
Somerset	—	—	6.5	6.5	—	—	—	—	6.5
Talbot	—	—	.4	.4	—	—	—	—	.4
Washington	—	—	.9	.9	—	1.3	.7	2.0	2.9
Wicomico	—	—	12.6	12.6	—	—	(*)	(*)	12.6
Worcester	—	—	23.5	23.5	—	—	.1	.1	23.6
Total	0.6	1.2	77.4	79.2	7.0	52.4	16.0	75.4	154.6

* Counties with no production are omitted.

* Less than 50 cords.

Table 15.—Production of pulpwood from roundwood in New Hampshire, by counties and species groups, 1971
[In thousands of rough cords]

County ^a	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Belknap	—	—	(*)	(*)	—	—	—	—	(*)
Carroll	1.1	0.9	0.8	2.8	—	—	6.9	6.9	9.7
Coos	75.2	6.6	1.7	83.5	17.9	—	104.4	122.3	205.8
Grafton	2.8	.4	1.3	4.5	.1	—	10.1	10.2	14.7
Hillsboro	—	—	1.8	1.8	—	0.3	.3	.6	2.4
Merrimack	—	—	—	—	(*)	—	—	(*)	(*)
Rockingham	—	—	1.6	1.6	—	.2	.3	.5	2.1
Strafford	—	—	1.8	1.8	—	.2	.4	.6	2.4
Total	79.1	7.9	9.0	96.0	18.0	0.7	122.4	141.1	237.1

^a Counties with no production are omitted.

* Less than 50 cords.

Table 16.—Production of pulpwood from roundwood in New York, by counties and species groups, 1971

[In thousands of rough cords]

County ^a	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Albany	—	0.5	—	0.5	—	—	—	—	0.5
Broome	—	—	8.9	8.9	0.2	0.8	14.1	15.1	24.0
Cattaraugus	—	—	—	—	5.8	—	.2	6.0	6.0
Cayuga	(*)	—	—	(*)	(*)	(*)	.1	.1	.1
Chautauqua	—	—	—	—	.2	—	1.0	1.2	1.2
Chemung	—	—	—	—	.1	.2	.4	.7	.7
Chenango	2.0	—	—	2.0	.1	.6	11.2	11.9	13.9
Clinton	3.1	1.9	4.4	9.4	.5	—	26.7	27.2	36.6
Cortland	(*)	—	—	(*)	(*)	(*)	.1	.1	.1
Delaware	.1	—	—	.1	(*)	.2	9.2	9.4	9.5
Erie	—	—	.1	.1	.1	—	—	.1	.2
Essex	.5	2.3	1.0	3.8	1.2	.3	38.9	40.4	44.2
Franklin	6.6	3.2	2.1	11.9	2.8	—	9.9	12.7	24.6
Fulton	.7	2.0	.4	3.1	.2	.1	10.5	10.8	13.9
Genesee	—	—	(*)	(*)	—	—	—	—	(*)
Greene	—	—	—	—	—	—	(*)	(*)	(*)
Hamilton	3.8	4.7	.1	8.6	(*)	.2	27.1	27.3	35.9
Herkimer	1.3	—	—	1.3	—	—	1.7	1.7	3.0
Jefferson	.2	—	1.1	1.3	—	—	1.6	1.6	2.9
Lewis	2.6	(*)	1.1	3.7	.1	—	15.6	15.7	19.4
Livingston	—	—	—	—	.2	—	—	.2	.2
Madison	.2	—	—	.2	—	—	—	.2	.2
Montgomery	—	—	(*)	(*)	—	—	.5	.5	.5
Niagara	—	—	.1	.1	—	—	—	.1	.1
Oneida	.8	—	2.5	3.3	—	—	2.0	2.0	5.3
Onondaga	.7	—	—	.7	—	—	—	.7	.7
Ontario	—	—	—	—	(*)	.1	.1	.2	.2
Orleans	—	—	(*)	(*)	(*)	—	—	(*)	(*)
Oswego	(*)	—	.6	.6	—	—	.3	.3	.9
Otsego	.9	—	6.5	7.4	—	—	1.9	1.9	9.3
Rensselaer	—	(*)	.8	.8	.5	—	.4	.9	1.7
St. Lawrence	16.7	1.9	5.1	23.7	(*)	—	11.7	11.7	35.4
Saratoga	1.4	6.4	2.4	10.2	1.7	.1	15.2	17.0	27.2
Schenectady	—	.5	—	.5	—	—	—	.5	.5
Schoharie	—	—	.5	.5	—	—	—	.5	.5
Schuyler	—	—	—	—	.4	.4	.6	1.4	1.4
Steuben	—	—	—	—	(*)	(*)	(*)	(*)	(*)
Sullivan	—	—	—	—	—	—	.6	.6	.6
Tioga	—	—	—	—	.6	.8	3.2	4.6	4.6
Tompkins	—	—	—	—	(*)	.2	.4	.6	.6
Warren	3.5	.1	.9	4.5	2.1	—	3.7	5.8	10.3
Washington	—	5.1	1.5	6.6	.4	.1	10.1	10.6	17.2
Wayne	—	—	—	—	.2	—	—	.2	.2
Wyoming	—	—	.3	.3	1.3	—	—	1.3	1.6
Total	45.1	28.6	40.4	114.1	18.7	4.1	219.0	241.8	355.9

^a Counties with no production are omitted.

* Less than 50 cords.

Table 17.—Production of pulpwood from roundwood in Ohio, by counties and species groups, 1971

[In thousands of rough cords]

County ^a	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Adams	(*)	(*)	(*)	(*)	0.1	7.2	0.1	7.4	7.4
Ashland	—	—	—	—	—	2.4	2.0	4.4	4.4
Athens	—	—	—	—	.5	4.4	1.3	6.2	6.2
Belmont	—	—	—	—	—	(*)	—	(*)	(*)
Brown	(*)	(*)	(*)	(*)	.2	.6	.2	1.0	1.0
Butler	—	—	—	—	.1	—	.1	.2	.2
Carroll	—	—	—	—	—	1.0	—	1.0	1.0
Clermont	—	—	—	—	.3	—	.3	.6	.6
Clinton	—	—	—	—	1.2	—	1.3	2.5	2.5
Coshocton	—	—	—	—	—	21.2	—	21.2	21.2
Delaware	—	—	—	—	—	(*)	—	(*)	(*)
Erie	—	—	—	—	—	.7	.7	1.4	1.4
Fairfield	—	—	—	—	.1	.6	.2	.9	.9
Fayette	—	—	—	—	(*)	—	(*)	(*)	(*)
Gallia	0.3	0.3	5.4	6.0	(*)	6.7	(*)	6.7	12.7
Greene	—	—	—	—	.1	—	.2	.3	.3
Guernsey	—	—	—	—	—	13.8	—	13.8	13.8
Hamilton	—	—	—	—	.1	—	.1	.2	.2
Harrison	—	—	—	—	—	.9	—	.9	.9
Highland	—	—	—	—	.1	.2	.4	.7	.7
Hocking	—	—	—	—	1.2	12.8	3.4	17.4	17.4
Holmes	—	—	—	—	—	2.8	—	2.8	2.8
Huron	—	—	—	—	—	1.5	1.5	3.0	3.0
Jackson	(*)	.1	.2	.3	.2	33.7	.5	34.4	34.7
Knox	—	—	—	—	—	5.4	—	5.4	5.4
Lawrence	(*)	(*)	.1	.1	.1	9.8	.3	10.2	10.3
Licking	—	—	—	—	—	8.8	—	8.8	8.8
Logan	—	—	—	—	(*)	—	(*)	(*)	(*)
Lorain	—	—	—	—	—	.5	.6	1.1	1.1
Meigs	.1	.1	2.3	2.5	—	1.6	(*)	1.6	4.1
Monroe	—	—	—	—	—	(*)	—	(*)	(*)
Montgomery	—	—	—	—	.6	—	.6	1.2	1.2
Morrow	—	—	—	—	—	.1	—	.1	.1
Muskingum	—	—	—	—	—	12.7	—	12.7	12.7
Noble	—	—	—	—	—	.5	—	.5	.5
Perry	—	—	—	—	.2	5.3	.6	6.1	6.1
Pickaway	—	—	—	—	(*)	.5	.1	.6	.6
Pike	—	—	—	—	.1	19.9	.1	20.1	20.1
Preble	—	—	—	—	.1	—	.1	.2	.2
Richland	—	—	—	—	—	.1	—	.1	.1
Ross	—	—	—	—	.3	9.4	.7	10.4	10.4
Scioto	(*)	(*)	.2	.2	.3	23.1	.8	24.2	24.4
Seneca	—	—	—	—	—	.2	.2	.4	.4
Shelby	—	—	—	—	.1	.6	.2	.9	.9
Stark	—	—	—	—	—	.6	—	.6	.6
Tuscarawas	—	—	—	—	—	3.2	—	3.2	3.2
Vinton	—	—	—	—	.8	24.8	2.3	27.9	27.9
Warren	—	—	—	—	1.3	—	1.5	2.8	2.8
Washington	.1	(*)	.5	.6	—	(*)	(*)	(*)	.6
Wayne	—	—	—	—	—	.1	—	.1	.1
Wyandot	—	—	—	—	—	(*)	.1	.1	.1
Total	0.5	0.5	8.7	9.7	8.1	237.7	20.5	266.3	276.0

^a Counties with no production are omitted.

* Less than 50 cords.

Table 18.—Production of pulpwood from roundwood in Pennsylvania, by counties and species groups, 1971

[In thousands of rough cords]

County ^a	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Adams	—	—	0.1	0.1	—	2.2	1.1	3.3	3.4
Armstrong	(*)	0.1	.2	.3	—	—	.6	.6	.9
Bedford	0.1	.3	4.6	5.0	6.7	13.4	7.8	27.9	32.9
Berks	—	—	.1	.1	(*)	.4	.2	.6	.7
Blair	—	—	.5	.5	.6	3.7	7.2	11.5	12.0
Bradford	—	—	—	—	5.0	7.6	21.9	34.5	34.5
Butler	—	—	—	—	—	—	.5	.5	.5
Cambria	(*)	.2	1.1	1.3	.5	1.0	5.9	7.4	8.7
Cameron	—	—	—	—	—	—	8.2	8.2	8.2
Carbon	—	—	(*)	(*)	.1	.6	1.0	1.7	1.7
Centre	—	.2	.6	.8	.7	8.4	9.0	18.1	18.9
Chester	—	—	—	—	—	.5	.2	.7	.7
Clarion	(*)	.1	.5	.6	(*)	(*)	.3	.3	.9
Clearfield	.1	1.1	2.5	3.7	1.2	5.4	38.2	44.8	48.5
Clinton	.1	.4	1.5	2.0	.3	15.0	7.6	22.9	24.9
Columbia	—	—	.3	.3	.1	1.4	1.9	3.4	3.7
Crawford	—	—	—	—	.2	—	6.1	6.3	6.3
Cumberland	—	—	.2	.2	—	3.0	1.4	4.4	4.6
Dauphin	—	—	.1	.1	—	.8	.6	1.4	1.5
Delaware	—	—	—	—	.1	.5	.8	1.4	1.4
Elk	.1	.1	1.1	1.3	.1	1.0	17.3	18.4	19.7
Erie	—	—	.1	.1	—	—	3.4	3.4	3.5
Fayette	(*)	(*)	.1	.1	.4	.6	1.4	2.4	2.5
Forest	—	—	—	—	—	—	11.3	11.3	11.3
Franklin	—	—	1.9	1.9	—	12.1	6.0	18.1	20.0
Fulton	(*)	(*)	2.4	2.4	(*)	3.9	2.2	6.1	8.5
Huntingdon	(*)	(*)	6.3	6.3	1.0	11.3	8.5	20.8	27.1
Indiana	—	—	1.0	1.0	—	.1	1.1	1.2	2.2
Jefferson	(*)	(*)	.2	.2	(*)	.1	3.3	3.4	3.6
Juniata	—	—	.7	.7	—	2.0	.6	2.6	3.3
Lackawanna	—	—	—	—	.4	1.9	3.1	5.4	5.4
Lancaster	—	—	.1	.1	—	1.1	.4	1.5	1.6
Lawrence	—	—	—	—	—	—	.5	.5	.5
Lebanon	—	—	(*)	(*)	—	.3	.1	.4	.4
Luzerne	—	—	.2	.2	.5	2.5	3.9	6.9	7.1
Lycoming	—	—	.2	.2	1.2	21.3	8.5	31.0	31.2
McKean	—	—	—	—	.1	—	35.4	35.5	35.5
Mifflin	—	—	(*)	(*)	—	.1	.1	.2	.2
Monroe	—	—	—	—	.1	.4	.6	1.1	1.1
Montour	—	—	(*)	(*)	—	.3	(*)	.3	.3
Northampton	—	—	—	—	(*)	.1	.2	.3	.3
Northumberland	—	—	.2	.2	—	.5	.4	.9	1.1
Perry	—	—	.7	.7	(*)	1.5	.8	2.3	3.0
Potter	—	—	—	—	(*)	—	12.8	12.8	12.8
Schuylkill	—	—	.3	.3	(*)	2.5	1.3	3.8	4.1
Snyder	—	—	.3	.3	—	1.3	.4	1.7	2.0
Somerset	(*)	.1	1.8	1.9	3.0	6.3	5.1	14.4	16.3
Sullivan	—	—	—	—	4.1	3.7	15.4	23.2	23.2
Susquehanna	—	—	—	—	2.0	8.7	15.1	25.8	25.8
Tioga	—	—	—	—	1.4	1.9	7.6	10.9	10.9
Union	—	—	.3	.3	—	2.0	.2	2.2	2.5
Venango	—	—	—	—	(*)	—	25.3	25.3	25.3
Warren	—	—	.1	.1	—	—	25.5	25.5	25.6
Washington	—	—	.1	.1	—	.3	.1	.4	.5
Wayne	—	—	—	—	.4	1.9	11.6	13.9	13.9
Westmoreland	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Wyoming	—	—	—	—	1.1	4.7	7.7	13.5	13.5
York	—	—	1.3	1.3	—	2.5	1.2	3.7	5.0
Total	0.4	2.6	31.7	34.7	31.3	160.8	358.9	551.0	585.7

^a Counties with no production are omitted.

* Less than 50 cords.

Table 19.—Production of pulpwood from roundwood in Vermont, by counties and species groups, 1971

[In thousands of rough cords]

County ^a	Softwood				Hardwood				All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods	Total	
Addison	1.0	—	0.1	1.1	—	—	1.7	1.7	2.8
Bennington	2.6	—	1.4	4.0	—	(*)	.8	.8	4.8
Caledonia	4.1	0.6	2.3	7.0	0.1	—	5.5	5.6	12.6
Chittenden	—	—	(*)	(*)	—	—	.5	.5	.5
Essex	19.7	1.0	.1	20.8	12.0	—	19.8	31.8	52.6
Franklin	2.8	—	1.1	3.9	—	—	—	—	3.9
Lamoille	1.2	.1	.2	1.5	.1	—	1.1	1.2	2.7
Orange	.3	—	—	.3	—	—	.3	.3	.6
Orleans	8.9	.8	.1	9.8	1.6	—	7.6	9.2	19.0
Rutland	1.1	—	.6	1.7	.2	0.1	3.3	3.6	5.3
Washington	2.0	—	—	2.0	—	—	(*)	(*)	2.0
Windham	3.3	—	—	3.3	.1	—	1.4	1.5	4.8
Windsor	6.3	—	(*)	*6.3	.3	—	2.7	3.0	9.3
Total	53.3	2.5	5.9	61.7	14.4	0.1	44.7	59.2	120.9

^a Counties with no production are omitted.

* Less than 50 cords.

Table 20.—Production of pulpwood from roundwood in West Virginia, by counties and species groups, 1971

[In thousands of rough cords]

County ^a	Softwood				Hardwood			Total	All species
	Spruce and fir	Hemlock and tamarack	Pine	Total	Aspen and yellow-poplar	Oak and hickory	Other hardwoods		
Berkeley	(*)	(*)	4.7	4.7	—	0.9	0.5	1.4	6.1
Cabell	0.1	0.1	.4	.6	(*)	(*)	(*)	(*)	.6
Calhoun	(*)	(*)	.1	.1	—	—	—	—	.1
Doddridge	.1	.1	.3	.5	(*)	.1	(*)	.1	.6
Fayette	—	—	—	—	(*)	.2	(*)	.2	.2
Grant	1.0	.5	3.5	5.0	2.4	12.5	.9	15.8	20.8
Greenbrier	(*)	.3	2.0	2.3	4.2	14.7	2.1	21.0	23.3
Hampshire	2.0	1.0	10.9	13.9	3.9	20.5	1.6	26.0	39.9
Hancock	(*)	(*)	(*)	(*)	—	—	—	—	(*)
Hardy	.6	.3	2.0	2.9	1.5	8.0	.6	10.1	13.0
Jackson	.5	.3	1.7	2.5	(*)	.1	(*)	.1	2.6
Kanawha	(*)	(*)	(*)	(*)	—	—	—	—	(*)
Marion	—	—	(*)	(*)	—	—	—	—	(*)
Mason	.6	.3	2.1	3.0	(*)	.1	(*)	.1	3.1
Mercer	(*)	(*)	(*)	(*)	—	—	—	—	(*)
Mineral	.5	.2	1.6	2.3	2.9	15.4	1.2	19.5	21.8
Monroe	(*)	.5	3.5	4.0	5.3	18.4	2.6	26.3	30.3
Morgan	.8	.4	9.2	10.4	.8	6.7	2.0	9.5	19.9
Nicholas	(*)	(*)	(*)	(*)	(*)	.1	(*)	.1	.1
Ohio	(*)	(*)	(*)	(*)	—	—	—	—	(*)
Pendleton	.1	—	.3	.4	.4	1.7	.2	2.3	2.7
Pleasants	.2	.1	.9	1.2	(*)	(*)	(*)	(*)	1.2
Pocahontas	.2	.2	1.5	1.9	1.9	7.1	.9	9.9	11.8
Preston	—	—	—	—	.4	1.9	.1	2.4	2.4
Putnam	.6	.3	2.1	3.0	(*)	.1	(*)	.1	3.1
Raleigh	—	—	—	—	(*)	(*)	(*)	(*)	(*)
Randolph	.1	(*)	.2	.3	.4	2.0	.2	2.6	2.9
Ritchie	.7	.3	2.3	3.3	.2	1.2	.1	1.5	4.8
Roane	—	—	(*)	(*)	(*)	(*)	—	(*)	(*)
Summers	(*)	(*)	.1	.1	.1	.2	(*)	.3	.4
Tucker	(*)	(*)	(*)	(*)	.3	1.7	.1	2.1	2.1
Tyler	(*)	(*)	(*)	(*)	—	—	—	—	(*)
Wayne	(*)	(*)	.2	.2	.4	3.7	1.2	5.3	5.5
Wetzel	—	—	—	—	(*)	(*)	—	(*)	(*)
Wirt	.5	.3	1.8	2.6	.1	.5	—	.6	3.2
Wood	.8	.4	2.7	3.9	.2	1.5	.1	1.8	5.7
Total	9.4	5.6	54.1	69.1	25.4	119.3	14.4	159.1	228.2

^a Counties with no production are omitted.

* Less than 50 cords.



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