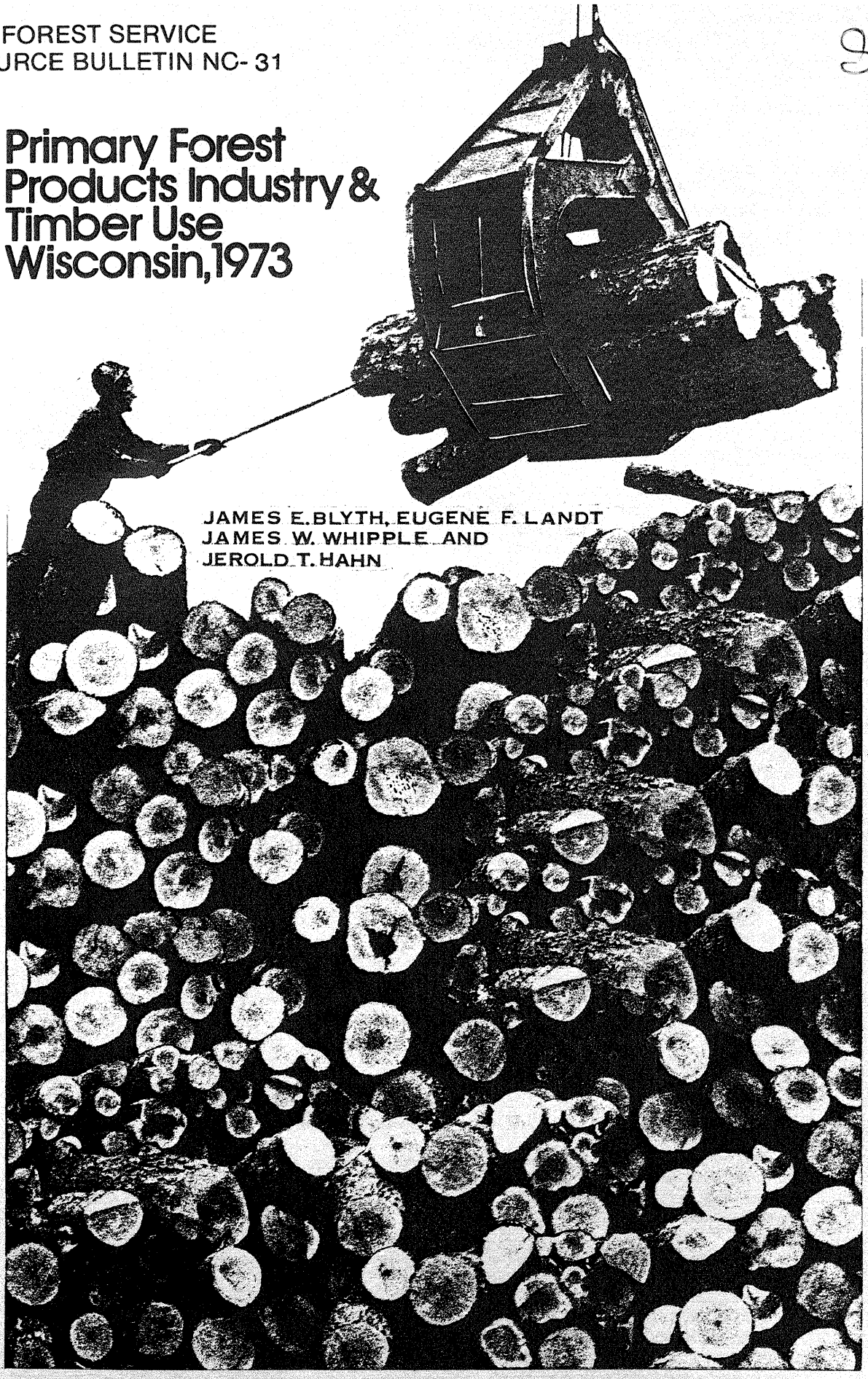
USDA FOREST SERVICE
RESOURCE BULLETIN NC- 31

9X

Primary Forest Products Industry & Timber Use Wisconsin, 1973



JAMES E. BLYTH, EUGENE F. LANDT
JAMES W. WHIPPLE AND
JEROLD T. HAHN

NORTH CENTRAL FOREST EXPERIMENT STATION
FOREST SERVICE U.S. DEPARTMENT OF AGRICULTURE

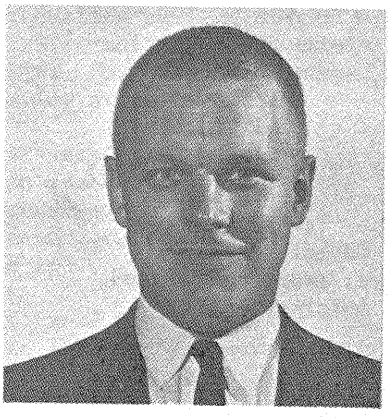
North Central Forest Experiment Station
John H. Ohman, Director
Forest Service - U.S. Department of Agriculture
Folwell Avenue
St. Paul, Minnesota 55108

1976

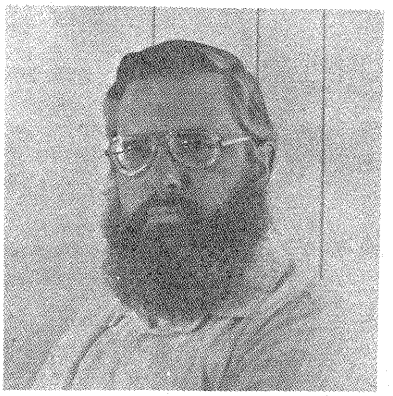
THE AUTHORS

James E. Blyth, Principal Market Analyst, received his bachelor's degree in forestry and his master's degree in forest economics from Iowa State University. He joined the Lake States Forest Experiment Station in St. Paul, Minnesota, in 1960 and worked on timber removals research in Forest Survey. In 1962 he transferred to Duluth and did forest products marketing research in the Lake States for 4 years. In 1966, he returned to the St. Paul office of the North Central Station. He is now in charge of the timber products and removals phase of the Forest Resources Evaluation Work Unit. He has authored more than 40 papers on forest industries in the North Central Region.

Eugene F. Landt received his B.S. degree in Forestry from the University of Montana in 1940. Most of his career has been with the USDA Forest Service where he worked on various forest products research projects including developing hardwood log grades, basic design data for fiberboard boxes, and hardwood processing systems. He also worked as Staff Assistant to the Director of the Division of Forest Products and Engineering Research in the Washington D.C. office of the USDA Forest Service. Mr. Landt is currently responsible for the forest products utilization program of the Bureau of Forestry, State of Wisconsin Department of Natural Resources.



James W. Whipple received his B.S. degree in forestry from Michigan Technological University. He joined the Wisconsin Department of Natural Resources in 1964 and has been Assistant Forest Products Specialist since 1970.



Jerold T. Hahn is a mensurationist for the Forest Evaluation Research Project at the Station. A graduate of the University of Illinois, Hahn holds both a Bachelor of Science and Master of Science in Forestry. Jerold spent his first 2 years with the North Central Station on a Forest Survey field crew and the last 8 as a mensuration and data-compilation expert, specializing in computer analysis. He has authored several publications on volume and growth estimates, resource inventories, and forest products output.

CONTENTS

FOREWORD

This publication contains the results of the first detailed study of forest industry and industrial roundwood production in Wisconsin since 1967. Such detailed information is necessary for intelligent planning and decisionmaking in wood procurement, forest resource management, and forest industry development. Also, researchers need current forest industry and industrial roundwood information for planning projects.

Special thanks is given to the primary wood-using firms that supplied information for this study. Their cooperation is greatly appreciated.

Quantities shown may vary slightly from one table to another because of rounding differences. These differences are insignificant.

PRIMARY FOREST PRODUCTS INDUSTRY AND TIMBER USE, WISCONSIN, 1973

James E. Blyth, Eugene F. Landt, James W. Whipple, and Jerold T. Hahn

HIGHLIGHTS

- Active primary wood-using mills declined from 818 in 1967 to 527 in 1973, but the quantity of logs and bolts used per mill increased.
- Ninety-four percent of the 201.3 million cubic feet of industrial roundwood produced in 1973 was pulpwood and saw logs.
- Private landowners supplied 80 percent of the hardwood industrial roundwood, but only 55 percent of the softwood.
- Industrial roundwood (including roundwood chips) production from hardwoods has increased an average of 2.6 percent annually from 1956 to 1973, while industrial roundwood production from softwoods remained steady.
- Between 1967 and 1973 industrial roundwood production shifted slightly from Northeastern Wisconsin to Northwestern and Central Wisconsin. Northeastern Wisconsin remains the leading production area.
- Estimated timber removals (from growing stock on commercial forest land) for industrial roundwood in 1973 were 214.1 million cubic feet compared to 167.9 million cubic feet in 1967.
- Pulpwood production was 1.76 million cords in 1973, up 24 percent from 1967.
- Wisconsin pulpmills purchased 38 percent of their pulpwood requirements from out-of-State in 1973.
- Saw log production rose from 273 million board feet in 1967 to 387 million board feet in 1973, a gain of 42 percent. Eighty-nine percent of the 1973 saw log harvest was hardwood.
- Average lumber output per sawmill doubled between 1967 and 1973.
- Nearly half (48 percent) of the veneer log volume received in Wisconsin in 1973 came from out-of-State.
- Eighty-seven percent of the coarse residue generated at primary mills was used.
- Additional markets are needed for fine residue and bark. Thirty percent of the fine residue and 45 percent of the bark generated at primary mills was not used.

PRIMARY FOREST INDUSTRY--INDUSTRIAL ROUNDWOOD

Wisconsin's primary forest industry comprised 583 active mills[1] in 1973, only one-third of the number of active mills in 1956. Many small mills closed during this period because of intense competition from larger, better financed, and more efficient, mills. Although the industry is dispersed throughout the State, major mills are concentrated in the northern, central, and east-central portions (fig 1).

Industrial roundwood receipts in 1973 at all plants (except treating plants) were 259.7 million cubic feet; 71.8 million cubic was softwood and the remainder hardwood. Since 1956 declining softwood receipts have been more than offset by increasing hardwood receipts. Wisconsin mills (excluding treating plants) imported 25 percent of their roundwood requirements in 1973. Half (52 percent) of the round softwood volume received was from out-of-State.

Industrial roundwood production rose from 141.7 million cubic feet in 1956 to 201.3 million cubic feet in 1973. Softwood production remained steady while hardwood production increases averaged 2.6 percent annually from 1956 to 1973. Of the total industrial roundwood produced in 1973, about 94 percent was pulpwood and saw logs.

[1] *Mills receiving roundwood or chips from roundwood are primary mills.*

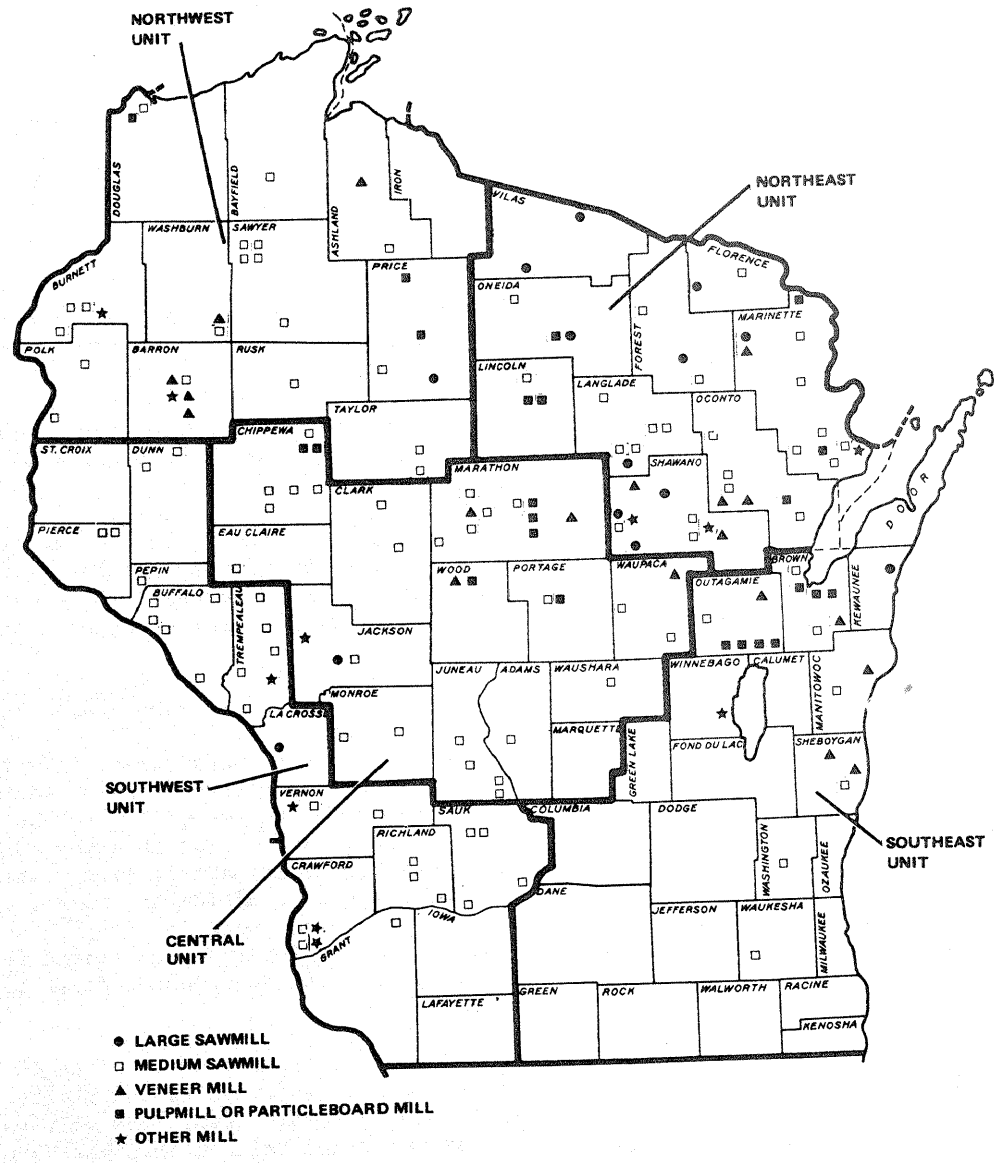


Figure 1.--*Primary wood-using plants and Forest Survey Units in Wisconsin, 1973. Sawmills are classed by volume of lumber produced in 1973: large = 5 million board feet or more; medium = 1 to 4.999 million board feet (smaller sawmills not shown).*

Between 1967 and 1973 industrial roundwood production shifted slightly from Northeastern Wisconsin to Northwestern and Central Wisconsin.[2] Northeastern Wisconsin remains the leading production area.

[2]*Geographic area used by Forest Survey to report periodic inventories and use of the Nation's forest resources. See figure 1 for counties encompassed in each of five Forest Survey Units of Wisconsin.*

Industrial roundwood production from softwoods was about equally divided between national forests (22 percent), other public (23 percent), forest industry (28 percent), and other private (27 percent). National forests were the major public source of softwood in the Northeast, but State and county land was a more important source in the Northwest.

Private landowners supplied four-fifths of the hardwood industrial roundwood. Nearly

two-thirds of the total came from private owners other than forest industry. Only 4 percent came from Federal land. However, other public land provided 24 percent of the hardwood industrial roundwood harvest in Northeast Wisconsin.

TIMBER REMOVALS FOR INDUSTRIAL ROUNDWOOD

Estimated timber removals (from growing stock on commercial forest land) for industrial roundwood were 214.1 million cubic feet in 1973 (using 1967 Wisconsin tree utilization factors), a 28 percent increase from the 1967 timber removals for industrial roundwood.

The greatest timber removals per 1,000 acres of stocked commercial forest land were in central and northeastern Wisconsin and particularly in Brown, Oneida, Lincoln, and Marathon Counties (fig. 2).

Timber removals in five major species groups--aspen,[3] hard maple, oak, jack pine, and red pine--were compared on a county basis with growing-stock volume (fig. 3) and net annual growth (fig. 4). These comparisons show in a rough way where timber overcutting or undercutting (in terms of sustained yield) was likely in 1973.

These indicators of possible over-utilization or underutilization of species in 1973 in specific areas of Wisconsin should be used cautiously in deciding future wood procurement strategy because: (1) wood procurement patterns and volumes change from year to year, (2) the estimates of timber removals are based on logging utilization factors in 1967 which have changed since, (3) timber volumes and net annual growth used in the comparisons were for 1968, (4) stand age structure may mask the extent of under- or overutilization, and (5) apparent overcutting or undercutting may be a temporary timber management tool to improve the stand structure and species mix.

For aspen, overcutting seems likely for 1973 in Iron and Price Counties and several northeastern counties--Oneida, Lincoln, Langlade, Forest, and Marinette. Aspen appears to have been underutilized

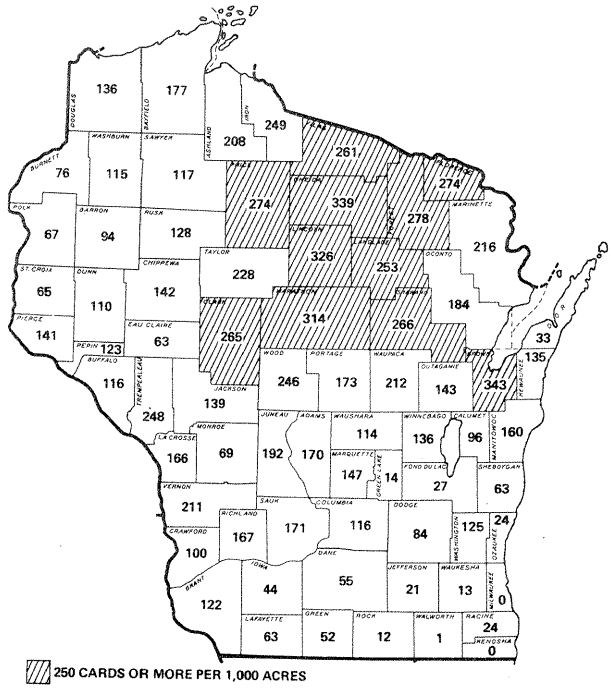


Figure 2.--*Cords of timber removals from commercial forest land for industrial roundwood products per 1,000 acres of stocked commercial forest land in Wisconsin counties, 1973.*

in 1973 in Barron, Polk, Burnett, Washburn, Marquette, Adams, Monroe, and Waushara Counties. To maintain a sustained yield, some aspen harvesting should probably be shifted from northeastern to northwestern and central Wisconsin.

Hard maple was probably overcut in 1973 in Oneida and several central-tier counties. Hard maple is underutilized in several northwestern counties, and a shift in harvesting to this area could relieve the cutting pressure in other areas.

As for oak, overcutting seemed to be a minor problem in isolated counties. The heaviest cutting was in east central Wisconsin while harvesting was light in northern counties.

Jack pine may have been overcut in central and northwest Wisconsin, but is less certain than for the previous species discussed. Several counties had more than 4 percent of their jack pine growing-stock volume harvested in 1973. However, timber removals in 1973 exceeded annual growing-stock growth only in Taylor County. How

[3] *Common and scientific names of all species mentioned in this report are listed on pages 14 and 15.*

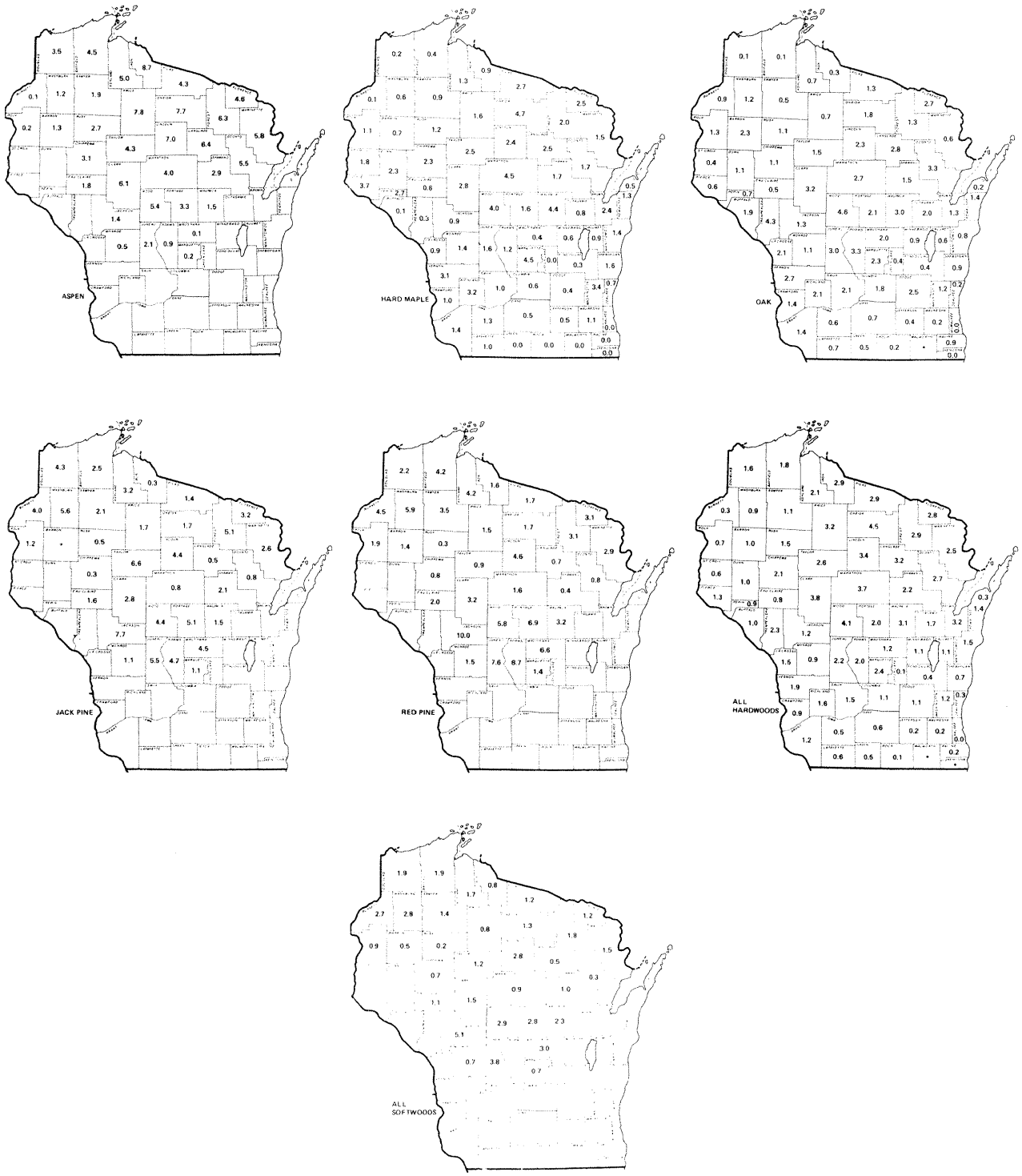


Figure 3.--*Timber removals for industrial roundwood as a percent of growing-stock volume in Wisconsin counties, 1973. Softwoods and aspen are shown only in Northeast, Northwest, and Central Wisconsin. (* = less than 0.05 percent).*

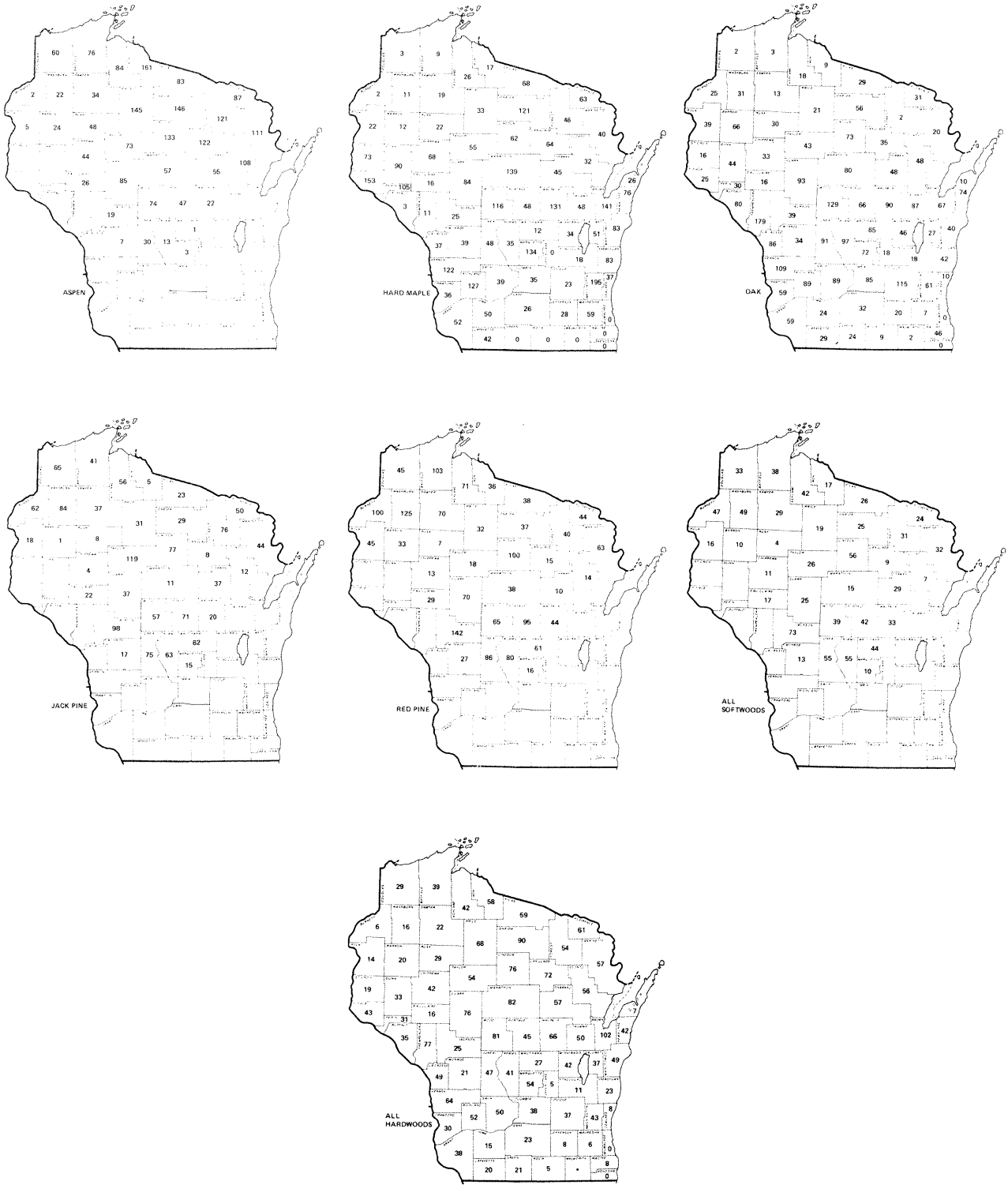


Figure 4.--*Timber removals for industrial roundwood as a percent of net annual growth in Wisconsin counties, 1973. Softwoods and aspen are shown only for Northeast, Northwest, and Central Wisconsin.*

could several counties have more than 4 percent of their jack pine growing-stock volume cut and not have timber removals exceed annual growth? Probably because ingrowth in these counties is large. Ingrowth is the net annual volume of trees growing into poletimber size. Ingrowth is likely to decline in these counties. As the rate of ingrowth declines the net annual growth will probably fall, and timber removals may exceed annual growth if the current harvest intensity continues.

On the other hand, jack pine may have been underutilized in counties such as Oconto, Polk, Chippewa, Marathon, and Monroe; all have large volumes of jack pine growing stock.

Red pine harvesting in 1973 was heavy in northwest Wisconsin (Bayfield, Burnett, and Washburn Counties) and central Wisconsin (Jackson, Juneau, Adams, Portage, and Lincoln Counties). Red pine logging was light in the Rusk-Taylor-Chippewa County area and the Langlade-Oconto-Shawano County area.

PULPWOOD

Pulpwood production was 1.7 million cords in 1973. Nine out of 10 cords were roundwood; the remainder was wood residue (used at pulpmills) from sawmills, veneer mills, and other mills. Since 1959 residue has become an important pulpwood source (fig. 5).

Until 1951 hardwood constituted less than half of the roundwood produced. Since then the hardwood proportion of the roundwood has grown to about three-fourths of the total. The volume of softwoods harvested has risen slowly. From 1946 to 1962 the annual softwood harvest only exceeded 300,000 cords once. Between 1963 and 1973 the softwood harvest exceeded 300,000 cords every year except one and reached 400,000 cords in 1970.

Aspen is the major hardwood pulping species harvested (fig. 6). Harvesting of other hardwoods began after World War II

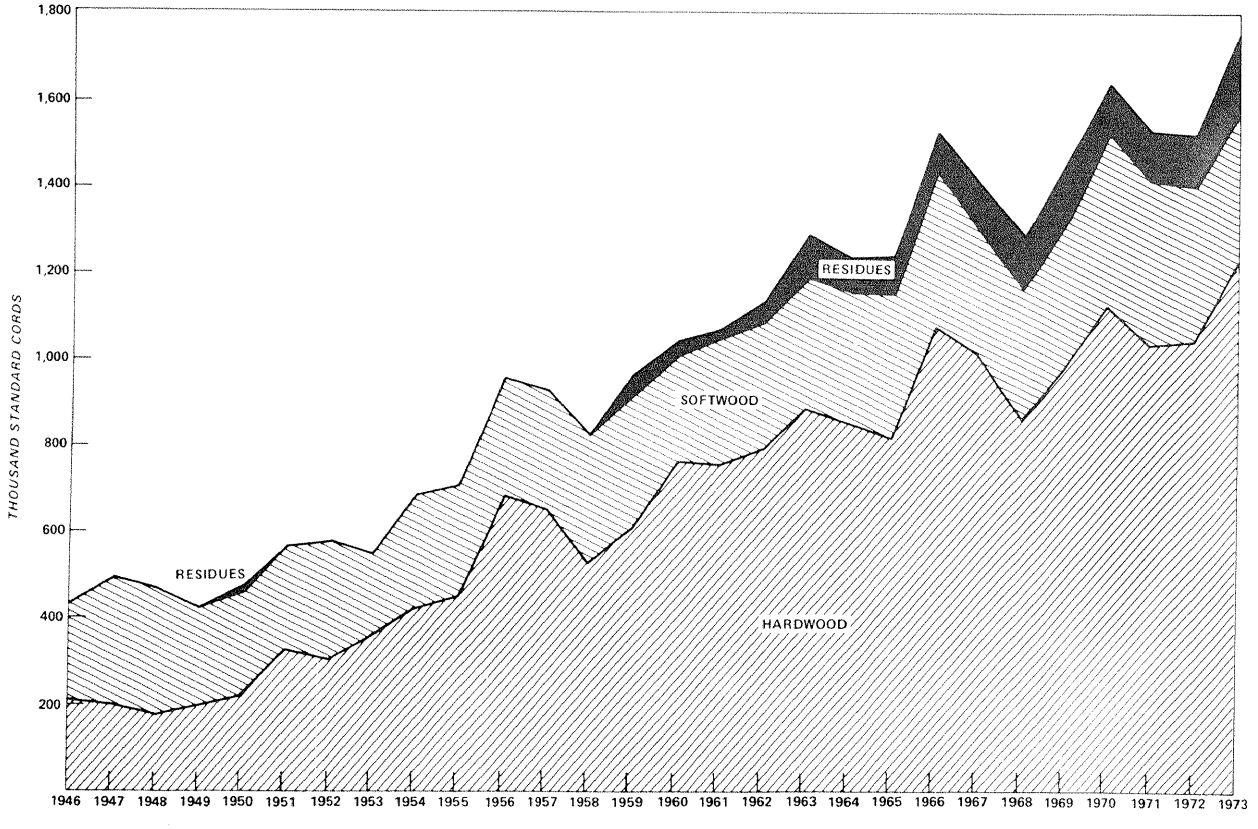


Figure 5.--*Wisconsin pulpwood production trends, 1946-1973.*

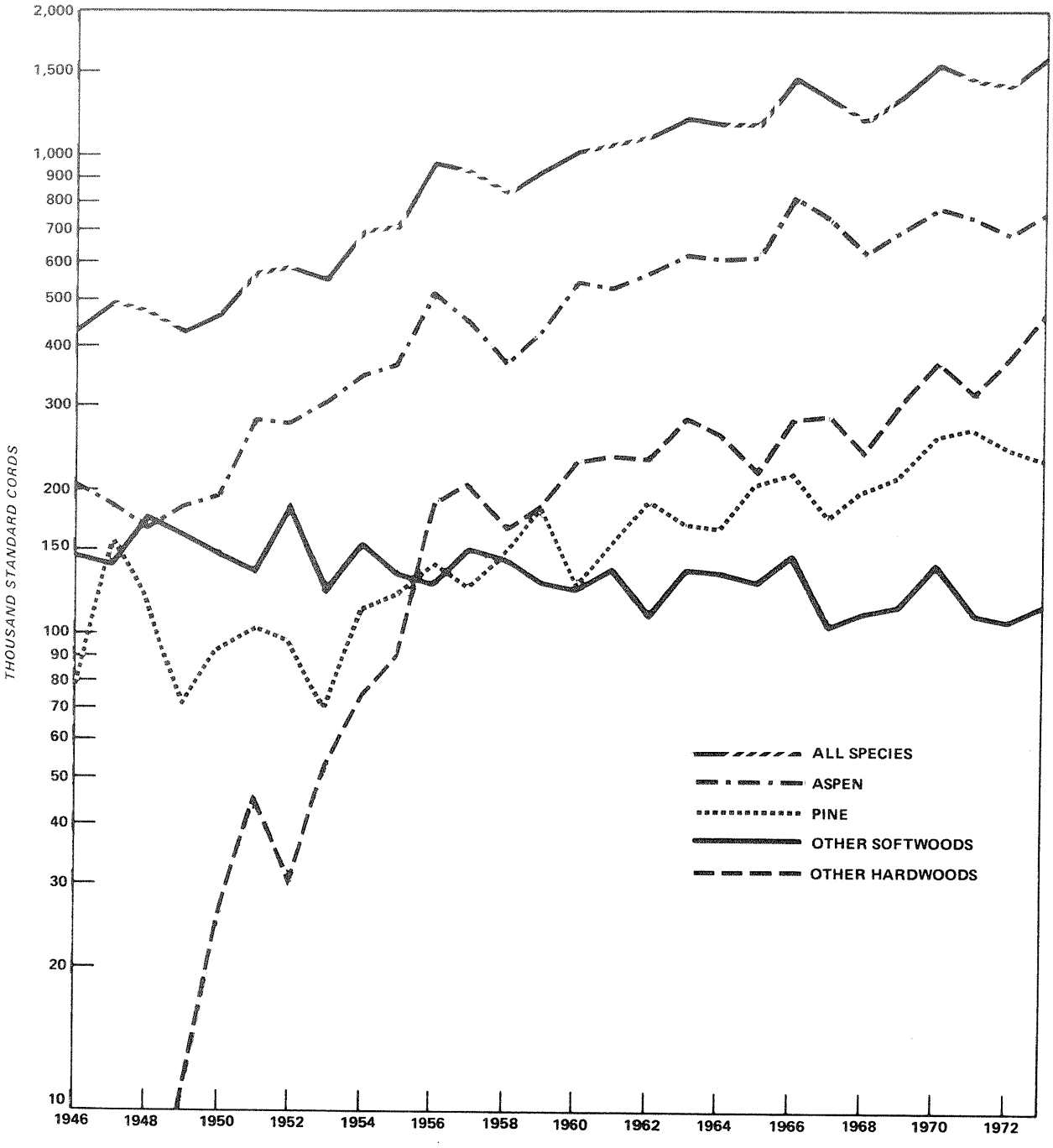


Figure 6.--*Wisconsin round pulpwood production by species groups, 1946-1973.*

and became an important part of the pulpwood cut by the early 1950's. The aspen harvest peaked out temporarily in 1966, but the volume of other hardwoods cut continues to rise. Other than aspen, important hardwood species cut for pulpwood in 1973 were:

Species	*Thousand cords*
Hard maple	101
Elm	82
Red oak	73
Soft maple	69
White birch	57

Pine has been the major softwood pulping species for more than 2 decades. Since 1953, pine pulpwood production has increased irregularly. Pine pulpwood cut in 1973 consisted of jack pine (68 percent), red pine (28 percent), and white pine (4 percent). Balsam fir and hemlock pulpwood production move in a narrow almost trendless band while spruce output, never more than 39,000 cords, is about half the annual total 25 years ago.

Most (95 percent in 1973) of Wisconsin's pulpwood remains in the State. Michigan is the principal out-of-State customer.

Twenty-four Wisconsin mills received 2.7 million cords of pulpwood in 1973, a record surpassed in only 3 other years. About 2.3 million cords were roundwood. Wisconsin imports large quantities of pulpwood as shown by the origin and quantity of wood receipts in 1973:

Origin	*Receipts* (Thousand cords)
Wisconsin	1,671
Michigan	418
Minnesota	194
Western States	291
Canada	122

Michigan Upper Peninsula forests supply large quantities of aspen and pine. Minnesota furnishes mainly aspen, pine, and spruce. Canada's major contribution is spruce. Sawmills in several western States are the chief suppliers of softwood residue chips to Wisconsin.

Pulpwood receipts in Wisconsin topped out temporarily in 1970 (fig. 7). Since 1946, the upward trend in receipts has been interrupted periodically by several sharp declines. These declines are usually a reaction to overbuilding of woodyard inventories at mills.

Demand for mixed hardwood roundwood, softwood residue, and hardwood residue at Wisconsin mills has been strong in recent years; demand for aspen and pine has been stable, and demand for spruce and balsam fir has weakened. Pine overtook spruce in 1959 as the primary softwood species used in Wisconsin.

SAW LOGS

Wisconsin loggers harvested 387 million board feet of saw logs in 1973, up 114 million board feet from 1967. Eighty-nine percent of the output was hardwoods. The large log harvest was in response to the heavy demand for railroad ties and lumber for furniture, flooring, pallets, crating, and construction. Lumber inventories were low during 1973 because sawmills had difficulty meeting the demand.

Principal species cut were red oak, aspen, elm, and hard maple; major softwoods cut were white pine, red pine, and hemlock.

Wisconsin sawmills sawed all but 4 million board feet of these logs. Principal saw log exports were hard maple to Michigan and walnut to Iowa.

Major production gains since 1967 were in aspen (44 million board feet), elm (27 million board feet), and red oak (12 million board feet). Aspen has found widespread acceptance as pallet lumber and for furniture parts since 1967. In addition, more aspen is used in housing construction since it became eligible for construction lumber grading under softwood rules. Red oak harvesting increased to meet greater demands for furniture stock and railway ties.

Elm saw log production rose rapidly as Dutch Elm Disease spread through Wisconsin from south to north. Many diseased trees were being salvaged. Elm logging intensity has shifted northward with the spread of the disease as shown below:

Wisconsin region	*Elm saw log production* (Thousand board feet, Int'l ¼-inch rule)	
	1967	*1973*
Northeast	9,137	27,904
Northwest	2,259	3,510
Central	5,977	14,548
Southwest	3,627	4,607
Southeast	9,866	7,495

Southeast Wisconsin elm log production was lower in 1973 than in 1967, probably because the volume of elm trees was insufficient to sustain former cutting levels.

Northeast Wisconsin furnished 38 percent of the saw log volume in 1973. Half of the aspen was cut in the Northeast, 48 percent of the elm, and 55 percent of the hard maple.

Leading counties producing saw logs were Shawano (includes Menominee County),

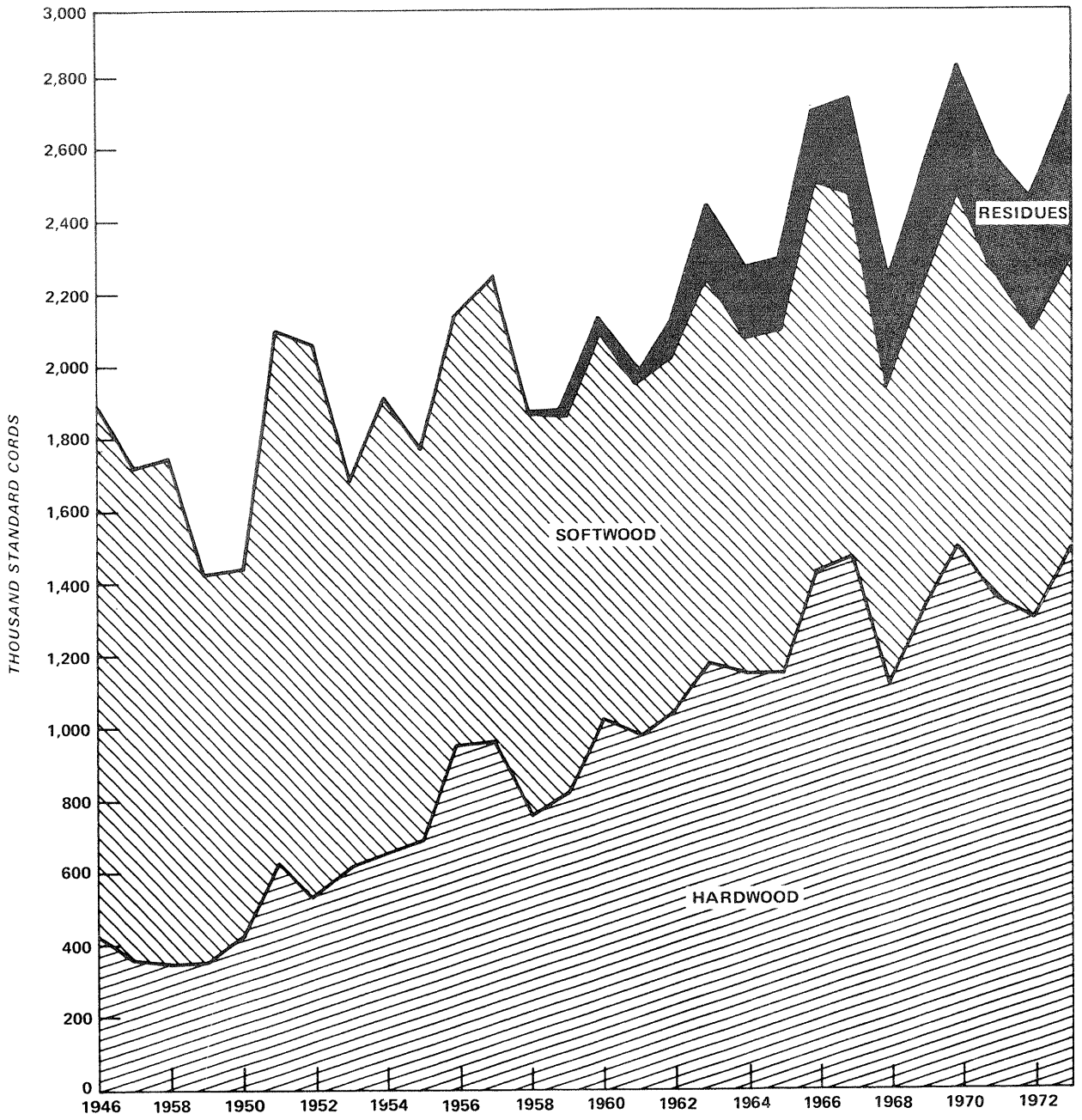


Figure 7.--*Pulpwood receipts in Wisconsin, 1946-1973.*

Forest, Marathon, and Oneida. Saw logs were harvested in every county except Kenosha.

More than 500 Wisconsin sawmills procured 408 million board feet of saw logs in 1973 compared with 288 million board feet procured by over 800 mills in 1967. Imports came chiefly from Michigan (18 million board feet) and Minnesota (7 million board feet).

Lumber production was most heavily concentrated in northeastern counties where 10 of the 15 large sawmills (those cutting 5 million board feet or more of lumber annually) are located (fig. 8). Average

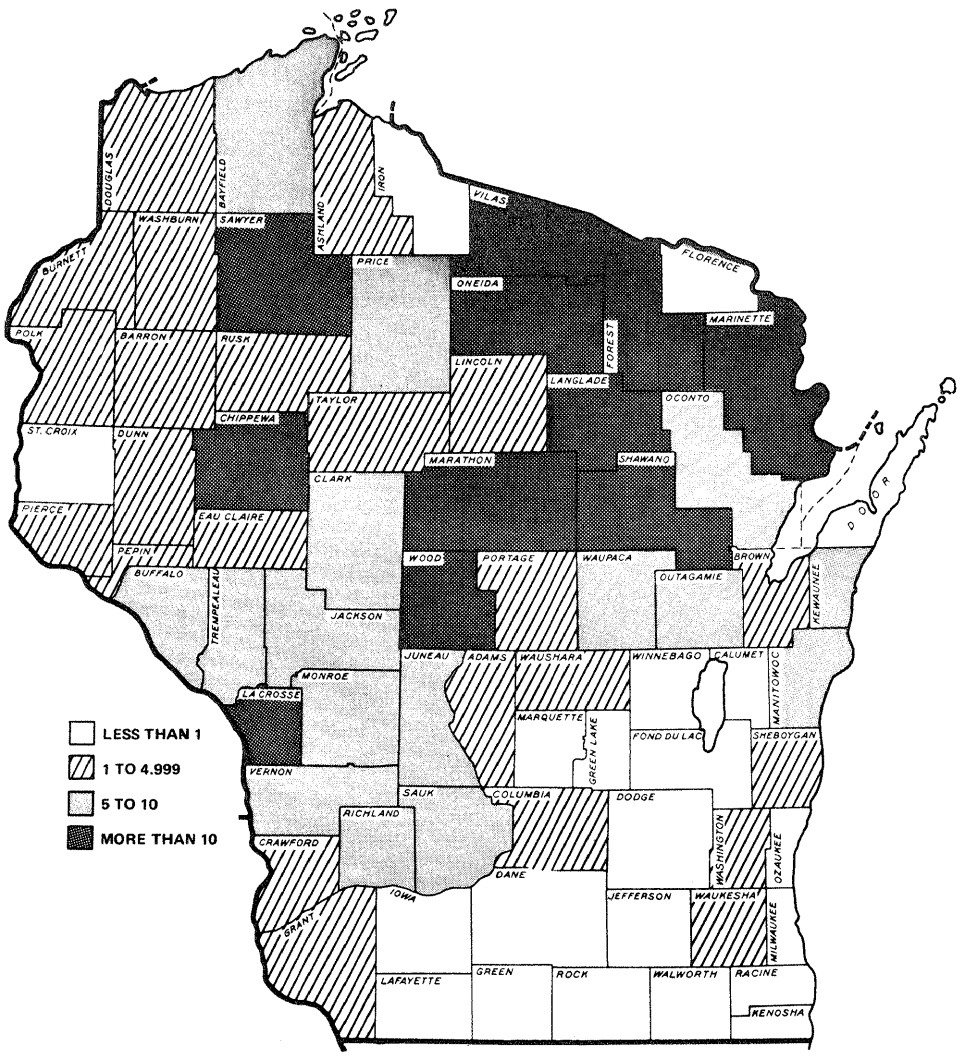


Figure 8.--*Lumber production in million board feet in Wisconsin counties, 1973.*

lumber output per sawmill was twice as great in 1973 as in 1967 (fig. 9). The average output is rising because many small mills have closed, some active mills are expanding and increasing their sawing efficiency, and new mills are usually larger than average.

VENEER LOGS

Of the 32.2 million board feet of veneer logs cut in 1973 in Wisconsin, 61 percent remained in the State, 35 percent were shipped to Michigan, and the remainder were sent primarily to Indiana and Iowa. All of the walnut harvested was sent to four other States. Aspen was the leading species cut followed by red oak, elm, and hard maple. Top-producing counties were Iron, Ashland, Shawano (includes Menominee), and Florence.

Nineteen Wisconsin veneer mills received 37.8 million board feet of logs in 1973. Nearly half of the volume came from out-of-State including Michigan (10.9 million board feet), Minnesota (4.1 million board feet), Iowa, Illinois, and Canada. Important species imported and their major sources were hard maple from Michigan and Canada, yellow birch from Michigan, red oak from Minnesota and Iowa, and cottonwood from Minnesota. Compared with 1966, the important changes in veneer log receipts in 1973 were:

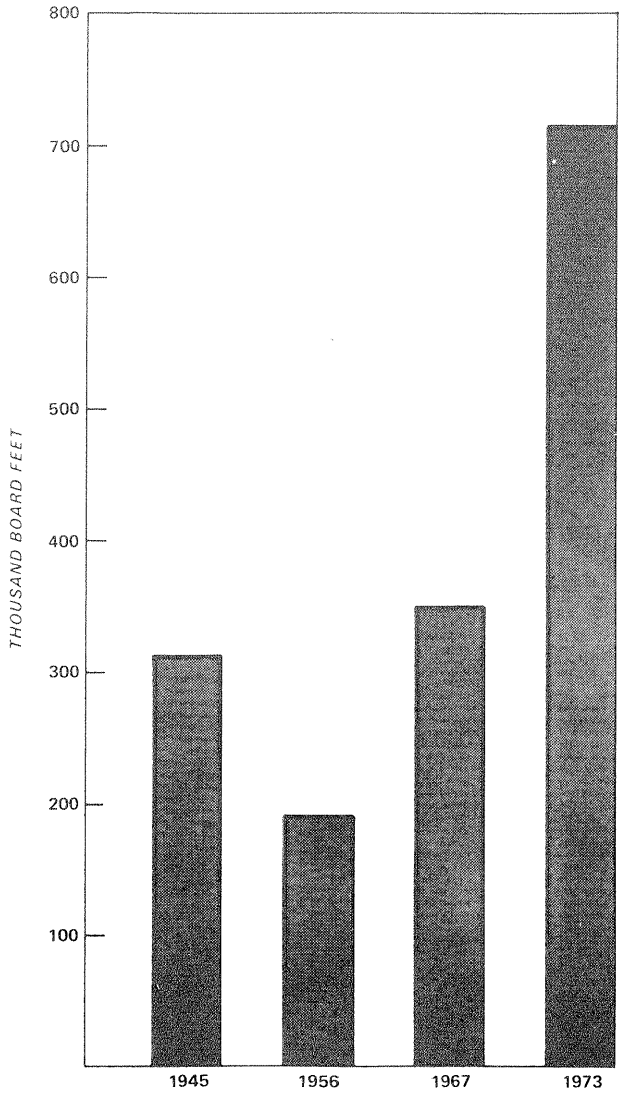


Figure 9.--*Average output per sawmill in Wisconsin*

Species	*1966*	*1973*
	(Thousand board feet, Int'l ¼-inch rule)	
Yellow birch	9,595	3,415
Hard maple	8,969	11,442
Basswood	3,775	2,140
Elm	4,443	5,999

Container grade veneer log output in Wisconsin dropped sharply from 1952 to 1968 as plastic and paperboard containers were substituted for veneer (fig. 10). Less than 5 percent of the volume in 1973 was container veneer logs. Only 6 Wisconsin container veneer mills remain active compared with 26 in 1956. Standard grade[4] veneer log production is higher than 2 decades ago and the decline in active Wisconsin standard veneer mills has been less severe than in the container industry.

Veneer log receipts in Wisconsin dropped precipitously from 1956 to 1970, then recovered to the 1968 level by 1973 (fig. 11). For at least a quarter century, Wisconsin mills have depended greatly on Michigan logs and to a significant extent on Minnesota and Canadian logs. Dependence on Michigan logs rose during the last decade while receipts of Canadian logs dropped. Wood from Michigan's Upper Peninsula is probably being substituted for Canadian wood.

OTHER PRODUCTS

Other industrial roundwood products (4 percent of total industrial roundwood) cut in Wisconsin in 1973 were, poles, commercial posts, piling, charcoal wood, particleboard bolts, cooperage logs, and excelsior bolts. About 16 mills received 7 million cubic feet of these products harvested in Wisconsin. Central and northwest Wisconsin are important logging areas for these products.

PRIMARY PLANT RESIDUE

During 1973, Wisconsin primary wood-using plants (excluding pulpmills) generated 20.2 million cubic feet of coarse residue, 12.2 million cubic feet of fine residue, and 14.6 million cubic feet of bark. The amount of each residue class not used (piled, land fill, burned as waste, etc.) was:

Class of residue	*Softwood* (Percent)	*Hardwood* (Percent)
Coarse	19	13
Fine	45	28
Bark	50	44

Mill operators did a creditable job of finding users for coarse residue. Markets were insufficient for fine residue and bark. Northeastern Wisconsin had the largest volume of residue not used in each class.

Estimates of residue in 1973 by type of disposal for each county are found in the Appendix. Individuals or firms desiring

[4] *Face, core, and specialty veneer logs.*

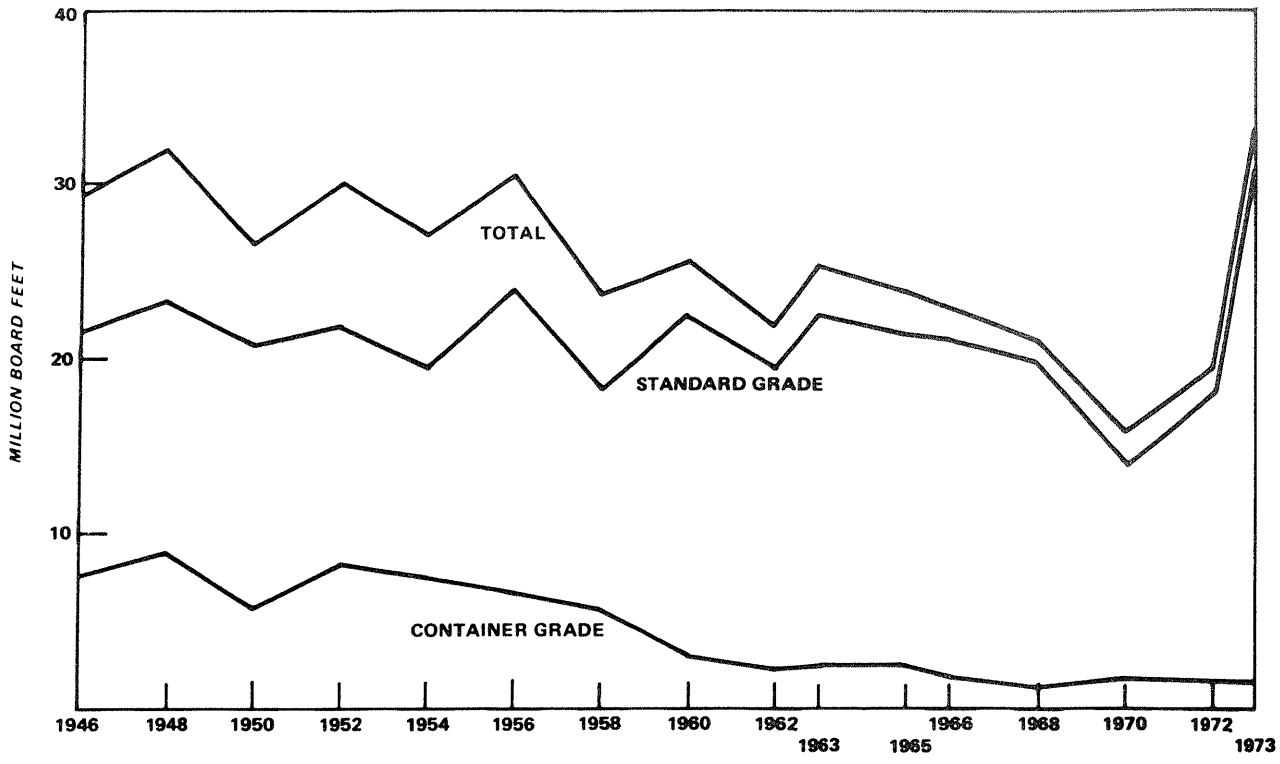


Figure 10.--*Wisconsin veneer log production for selected years, 1946-1973.*

residue can use the county data to pinpoint areas where high concentrations of residue are not used.

OUTLOOK

Industrial roundwood production was probably higher in 1974 than in 1973, but significantly lower in 1975. Industrial roundwood production greatly depends on the strength of the general economy. As the economy improves, pallet, furniture, railroad tie, paper, and paperboard markets should strengthen. These markets are vitally important to Wisconsin's primary wood-using industry. Several primary plants in Wisconsin are expanding or plan to expand.

The proportion of industrial roundwood (including chips from roundwood) produced from nongrowing-stock sources (such as tops and limbwood) is likely to rise significantly by 1985. Consequently, over the next decade annual timber removals for industrial roundwood will probably rise slightly above the 1973 level, but annual industrial roundwood output will probably be moderately higher because of the additional use of nongrowing stock.

Although the 1973 hardwood harvest was heavier in the northeast and some central Wisconsin counties than in northwest Wisconsin, the hardwood harvest in northwest Wisconsin may increase in relation to these other areas.

The large quantity of bark and sawdust not used may become an important supplemental fuel for companies with inadequate supplies of other fuel.

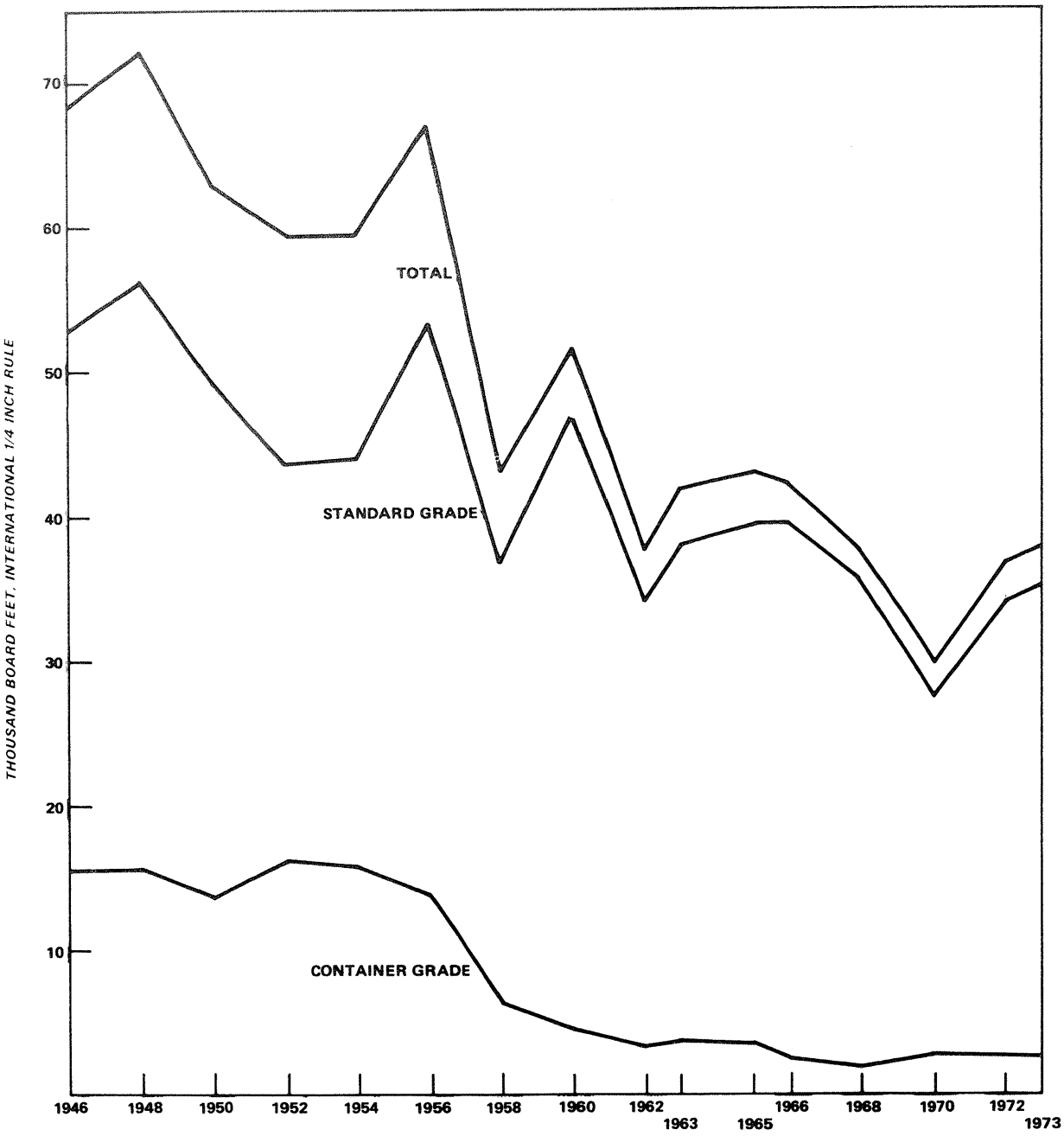


Figure 11.--*Veneer log receipts in Wisconsin for selected years, 1946-1973.*

APPENDIX

STUDY METHODS

Data for this publication came from a complete canvass of primary wood-using firms using Wisconsin logs and bolts and all public agencies administering commercial forest land. The study was a cooperative effort between the Wisconsin Department of Natural Resources (DNR) and the North Central Forest Experiment Station (NCFES). Special thanks are given to the DNR Area Foresters and Assistant Area Foresters for personally canvassing the Wisconsin mills. The DNR canvassed public agencies (other than Federal) to determine the 1973 timber products harvest on land they administer.

The NCFES canvassed by mail out-of-State mills using Wisconsin roundwood and the Federal agencies. Follow-up on nonrespondents was by telephone. The Station edited and compiled the data.

The authors gratefully acknowledge the fine cooperation of the primary wood-using firms that made this study possible.

DEFINITION OF TERMS

Timber removals for industrial roundwood.--The volume of sound bole wood (between a 1-foot stump and a minimum top diameter of 4.0 inches outside bark or to a point where the central stem breaks into limbs) in poletimber and sawtimber growing-stock trees on commercial forest land removed annually for industrial roundwood products (including logging residues).

Sawtimber removals for industrial roundwood.--The volume of sound bole wood (between a 1-foot stump and the point on the bole above which a saw log cannot be produced) in sawtimber growing-stock trees on commercial forest land removed annually for industrial roundwood products (including logging residues). The minimum saw log top is 7.0 inches d.o.b. for softwoods and 9.0 inches d.o.b. for hardwoods.

Industrial roundwood products.--Saw logs, pulpwood, veneer logs, poles, commercial posts, piling, particleboard bolts, excelsior bolts, lath bolts, charcoal bolts, and chips from roundwood.

Commercial forest land.--Forest land that is producing or capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. This includes areas suitable for growing crops of industrial wood generally in excess of 20 cubic feet per acre annually.

Growing-stock trees.--All live poletimber and sawtimber trees of commercial species except rough and rotten trees. Poletimber trees are 5.0 to 8.9 inches d.b.h. for softwoods and 5.0 to 10.9 inches d.b.h. for hardwoods. Softwood sawtimber trees are 9.0 inches d.b.h. or larger; hardwood sawtimber trees are 11.0 inches d.b.h. or larger.

Net annual growth of growing stock.--The annual change in volume of sound wood in live sawtimber and poletimber trees and the total volume of trees entering these classes through ingrowth, less volume losses resulting from natural causes.

Volume of growing stock.--The volume of sound wood in the bole of sawtimber and poletimber trees from stump to a minimum of 4.0-inch top diameter outside bark, or to the point where the central stem breaks into limbs.

Primary wood-using plant residue.--Wood materials (coarse and fine) and bark not utilized for principal products at manufacturing plants using roundwood. These residues include wood products (byproducts) obtained incidental to production of principal products, and wood materials not utilized for some product.

Coarse plant residue.--Wood residue suitable for chipping such as slabs, edging, and veneer cores.

Fine plant residue.--Wood residue not suitable for chipping, such as sawdust and veneer clippings.

COMMON AND SCIENTIFIC NAMES OF TREE SPECIES MENTIONED

SOFTWOOD SPECIES

Eastern white pine	*Pinus strobus*
Red pine	*Pinus resinosa*
Jack pine	*Pinus banksiana*

Spruce:
- White spruce . . . . . *Picea glauca*
- Black spruce . . . . . *Picea mariana*

Balsam fir . . . . . *Abies balsamea*
Eastern hemlock . . . . *Tsuga canadensis*
Tamarack . . . . . *Larix laricina*
Northern white-cedar . *Thuja occidentalis*

HARDWOOD SPECIES

White oak:
- White oak . . . . . *Quercus alba*
- Bur oak . . . . . *Quercus macrocarpa*
- Chinkapin oak . *Quercus muehlenbergii*
- Swamp white oak . . . *Quercus bicolor*

Red oak:
- Northern red oak . . . . *Quercus rubra*
- Black oak . . . . . *Quercus velutina*
- Pin oak . . . . . *Quercus palustris*

Hickory:
- Bitternut hickory . *Carya cordiformis*
- Pignut hickory . . . . . *Carya glabra*
- Shagbark hickory . . . . . *Carya ovata*

Yellow birch . . . *Betula alleghaniensis*

Hard maple:
- Black maple . . . . . *Acer nigrum*
- Sugar maple . . . . . *Acer saccharum*

Soft maple:
- Red maple . . . . . *Acer rubrum*
- Silver maple . . . . . *Acer saccharinum*

American beech . . . . *Fagus grandifolia*

Ash:
- Black ash . . . . . *Fraxinus nigra*
- White ash . . . . . *Fraxinus americana*

Balsam poplar . . . *Populus balsamifera*

Aspen:
- Bigtooth aspen . *Populus grandidentata*
- Quaking aspen . . *Populus tremuloides*

Eastern cottonwood . . *Populus deltoides*

American basswood . . . *Tilia americana*

Black walnut . . . . . *Juglans nigra*

Elm:
- American elm . . . . . *Ulmus americana*
- Rock elm . . . . . *Ulmus thomasii*
- Slippery elm . . . . . *Ulmus rubra*

Paper birch . . . . . *Betula papyrifera*

Table 1.--*Industrial roundwood production in Wisconsin, 1956, 1967, and 1973*
(In million cubic feet)

Product	All species			Softwoods			Hardwoods		
	1956	1967	1973	1956	1967	1973	1956	1967	1973
Pulpwood	73.6	103.1	124.9	21.0	22.1	27.5	52.6	81.0	97.4
Saw logs	55.0	45.1	64.1	11.9	4.8	7.4	43.1	40.3	56.7
Veneer logs	4.7	3.7	5.2	1/	1/	1/	4.7	3.7	5.2
Cooperage logs	0.4	0.2	0.3	--	--	--	0.4	0.2	0.3
Poles & piling	0.3	0.5	0.3	0.2	0.4	0.3	0.1	0.1	1/
Mine timbers	0.4	--	--	0.3	--	--	0.1	--	--
Posts 2/	0.5	0.6	0.5	0.5	0.6	0.5	--	--	--
Miscellaneous 3/	6.8	4.7	6.0	0.3	--	--	6.5	4.7	6.0
Total	141.7	157.9	201.3	34.2	27.9	35.7	107.5	130.0	165.6

1/ Less than 50 thousand cubic feet.
2/ Includes only posts processed at fence and treating plants.
3/ Includes logs and bolts used for excelsior, shavings, particleboard, lath, charcoal, and specialty products.

Table 2.--*Volume of industrial roundwood production by type of product in Wisconsin, 1973*

Product	Standard units	Thousand standard units			Thousand cubic feet		
		All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods
Pulpwood	Standard cords	1,582	349	1,233	124,898	27,544	97,354
Saw logs	Board feet 1/	386,543	43,641	342,902	64,177	7,441	56,736
Veneer logs	Board feet 1/	32,224	45	32,179	5,192	8	5,184
Cooperage logs	Board feet 1/	2,045	--	2,045	284	--	284
Piling	Linear feet	93	60	33	49	24	25
Poles	Pieces	28	28	--	235	235	--
Posts 2/	Pieces	467	467	--	470	470	--
Miscellaneous 3/	Cubic feet	5,994	--	5,994	5,994	--	5,994
Total		--	--	--	201,299	35,722	165,577

1/ International 1/4-inch rule.
2/ Includes only posts processed at fence and treating plants.
3/ Includes logs and bolts used for excelsior, shavings, particleboard, lath, charcoal, and specialty products.

Table 3.--*Industrial roundwood products output by landowner class and Unit, Wisconsin, 1973*
(In thousand cubic feet)

Unit	Federal				Other public		Private				All owners	
	National Forest		Other		Soft-	Hard-	Forest industry1/		Other		Soft-	Hard-
	Softwood	Hardwood	Softwood	Hardwood	wood	wood	Softwood	Hardwood	Softwood	Hardwood	wood	wood
Northeastern	5,520	1,433	125	828	2,229	16,123	4,728	16,419	708	31,785	13,310	66,588
Northwestern	2,333	4,355	420	187	4,349	6,910	3,773	6,098	2,712	33,104	13,587	50,654
Central	--	--	128	--	1,045	2,783	1,295	1,693	5,628	25,034	8,096	29,510
Southwestern	--	--	--	--	--	--	--	28	333	13,903	333	13,931
Southeastern	--	--	--	3	8	80	--	177	388	4,634	396	4,894
All Units	7,853	5,788	673	1,018	7,631	25,896	9,796	24,415	9,769	108,460	35,722	165,577

1/ Primary wood-using firms owning forest land, except sawmills cutting less than 100,000 board feet annually.

Table 4.--*Number of active primary wood-using mills by Forest Survey Unit, Wisconsin, 1936, 1956, 1967, and 1973*

Kind of mill	All units				Northeastern Unit			Northwestern Unit			Central Unit			Southwestern Unit			Southeastern Unit		
	1936	1956	1967	1973	1956	1967	1973	1956	1967	1973	1956	1967	1973	1956	1967	1973	1956	1967	1973
Pulp mills	31	29	27	24	7	7	6	3	3	3	10	9	8	—	—	—	9	8	7
Saw mills																			
Large 1/	20	8	6	15	5	5	10	—	—	1	3	1	2	—	—	1	—	—	1
Medium 2/	57	55	73	101	13	17	23	17	12	19	7	14	25	13	23	27	5	7	7
Small 3/	1,461	1,565	739	411	306	125	93	340	130	73	403	182	95	301	175	75	215	127	75
Total	1,538	1,628	818	527	324	147	126	357	142	93	413	197	122	314	198	103	220	134	83
Veneer mills																			
Standard grade	16	21	16	13	8	6	5	3	4	3	6	3	3	1	—	—	3	3	2
Container	4/ 33	26	10	6	4	1	—	3	2	2	6	1	1	4	1	—	9	5	3
Total	49	47	26	19	12	7	5	6	6	5	12	4	4	5	1	—	12	8	5
Cooperage mills	5/ —	5	3	1	—	—	—	—	—	—	—	—	—	2	3	1	3	—	—
Charcoal plants	2	4	2	1	—	—	—	1	—	—	1	—	1	1	1	—	1	1	—
Misc. plants 6/	137	40	22	11	6	4	3	8	7	2	9	4	2	9	6	3	8	1	1
Total	1,757	1,753	898	583	349	165	140	375	158	103	445	214	137	331	209	107	253	152	96

1/ Annual lumber production of 5 million board feet or more.
2/ Annual lumber production from 1 million to 4.999 million board feet.
3/ Annual lumber production less than 1 million board feet.
4/ Includes cooperage mills.
5/ Included with container veneer mills.
6/ Includes lath, particleboard, treating, fence, excelsior, and speciality plants.

Table 5.--*Major industrial roundwood receipts by type of mill in Wisconsin, 1956, 1967, and 1973*
(In million cubic feet)

Type of plant	All species			Softwoods			Hardwoods		
	1956	1967	1973	1956	1967	1973	1956	1967	1973
Pulpmills	164.3	195.1	179.2	89.8	79.4	63.0	74.5	115.7	116.2
Sawmills	67.8	47.8	68.0	14.5	5.1	8.8	53.3	42.7	59.2
Other mills 1/	21.5	12.0	12.5	2/	2/	2/	21.5	12.0	12.5
Total	253.6	254.9	259.7	104.3	84.5	71.8	149.3	170.4	187.9

1/ Does not include treating plants.
2/ Less than 0.05 million cubic feet.

Table 6.--*Timber removals for industrial roundwood by species, unit, and county in Wisconsin, 1973*
(In thousand cubic feet)

UNIT AND COUNTY	BALSAM FIR	CEDAR	HEMLOCK	JACK PINE	RED PINE	WHITE PINE	SPRUCE	TAMARACK	ASH	ASPEN	BALSAM POPLAR	BASSWOOD	BEECH	WHITE BIRCH
NORTHEASTERN														
FLORENCE	86	1	299	82	130	92	56	9	40	2515	63	166	1	55
FOREST	680	39	836	125	312	367	193	16	124	4786	25	669	6	119
LANGLADE	65	9	135	4	37	20	31	22	124	3725	0	298	62	82
LINCOLN	319	1	175	251	546	98	66	8	284	5142	0	291	0	261
MARINETTE	486	42	91	481	294	267	181	3	126	6951	125	35	43	160
OCONTO	11	8	89	159	120	89	3	0	31	3281	30	56	23	62
ONEIDA	828	9	242	435	556	316	279	13	255	8556	8	105	0	637
SHAWANO	11	37	951	71	12	772	3	5	153	1286	8	520	148	102
VILAS	304	1	79	308	445	421	67	2	29	3827	0	110	0	912
UNIT TOTAL	2790	147	2897	1916	2452	2442	879	78	1166	40069	259	2250	283	2390
NORTHWESTERN														
ASHLAND	1004	9	143	167	248	84	191	5	233	4404	0	156	0	246
BARRON	0	0	0	1	19	70	0	0	18	406	0	63	0	8
BAYFIELD	178	1	50	1464	879	245	27	0	68	6217	0	32	0	875
BURNETT	0	0	0	1111	245	56	0	6	6	63	0	15	0	7
DOUGLAS	61	0	2	1712	196	35	33	3	25	4087	0	5	0	125
IRON	185	6	144	6	44	38	44	0	79	5568	0	83	0	307
POLK	0	0	0	151	68	74	0	0	19	106	0	52	0	10
PRICE	579	0	135	103	150	57	102	3	429	7973	1	214	0	781
RUSK	3	0	9	14	8	42	0	0	111	1868	0	101	0	86
SAWYER	577	0	59	182	370	160	77	0	128	2531	0	103	0	496
TAYLOR	95	0	287	147	28	24	19	2	357	2495	0	203	0	186
WASHBURN	6	0	0	1096	287	55	3	6	27	913	0	169	0	26
UNIT TOTAL	2688	16	829	6154	2542	940	496	25	1500	36631	1	1196	0	3193
CENTRAL														
ADAMS	0	0	0	1059	389	67	0	1	33	206	0	5	0	5
CHIPPEWA	5	0	35	16	20	63	0	2	34	846	0	192	0	46
CLARK	1	0	8	165	120	117	0	0	126	2305	0	105	0	219
EAU CLAIR	0	0	0	103	36	37	0	0	8	339	0	15	0	1
JACKSON	0	0	0	1366	420	159	0	1	21	495	0	31	0	36
JUNEAU	0	0	0	864	230	86	0	0	86	485	0	17	0	17
MARATHON	35	3	112	61	56	101	5	5	336	2063	0	277	35	79
MARQUETTE	0	0	0	47	13	11	0	0	81	14	0	9	0	2
MONROE	0	0	0	96	30	21	0	0	11	88	0	31	0	5
PORTAGE	2	0	18	258	130	108	1	2	40	501	0	14	0	3
WAUPACA	16	0	20	64	53	256	0	2	110	228	1	159	62	50
WAUSHARA	0	4	1	263	99	52	0	0	14	5	0	2	0	0
WOOD	2	0	10	568	105	52	0	0	139	1157	0	42	0	25
UNIT TOTAL	61	7	204	4930	1701	1130	6	13	1039	8732	1	899	97	488

TABLE 6 CONTINUED ON NEXT PAGE

TABLE 6 CONTINUED

UNIT AND COUNTY	BALSAM FIR	CEDAR	HEMLOCK	JACK PINE	RED PINE	WHITE PINE	SPRUCE	TAMARACK	ASH	ASPEN	BALSAM POPLAR	BASSWOOD	BEECH	WHITE BIRCH
SOUTHWESTERN														
BUFFALO	0	0	0	3	2	1	0	0	3	33	0	30	0	5
CRAWFORD	0	0	0	0	0	0	0	0	16	11	0	49	0	0
DUNN	0	0	0	9	15	47	0	0	18	54	0	163	0	1
GRANT	0	0	0	0	0	2	0	0	22	111	0	50	0	47
IOWA	0	0	0	0	0	0	0	0	7	2	0	30	0	0
LACROSSE	0	0	0	5	7	5	0	0	11	19	0	58	0	6
LAFAYETTE	0	0	0	0	0	0	0	0	5	0	0	13	0	0
PEPIN	0	0	0	10	14	26	0	0	11	13	0	60	0	2
PIERCE	0	0	0	0	0	7	0	0	22	18	0	128	0	2
RICHLAND	0	0	0	5	7	11	0	0	25	8	0	106	0	0
ST.CROIX	0	0	0	0	1	10	0	0	10	4	0	41	0	2
SAUK	0	0	0	41	71	11	0	0	25	176	0	44	0	7
TREMPEALEU	0	0	0	0	15	7	0	0	8	23	0	39	0	5
VERNON	0	0	0	0	0	0	0	0	25	33	0	119	0	6
UNIT TOTAL	0	0	0	73	132	127	0	0	208	505	0	930	0	83
SOUTHEASTERN														
BROWN	0	6	23	0	0	37	0	0	71	109	4	37	23	7
CALUMET	0	1	0	0	0	1	0	0	12	6	0	10	3	0
COLUMBIA	0	0	0	11	73	20	0	0	25	40	0	7	2	1
DANE	0	0	0	0	0	0	0	0	12	1	0	5	0	0
DODGE	0	0	0	0	0	0	0	0	6	0	0	6	0	0
DOOR	0	25	4	0	2	20	0	1	6	18	11	15	5	11
FOND DULAC	0	0	0	0	0	0	0	0	3	2	0	5	0	0
GREEN	0	0	0	0	0	0	0	0	1	0	0	4	0	0
GREEN LAKE	0	0	0	0	0	2	0	0	0	0	0	0	0	0
JEFFERSON	0	0	0	0	0	0	0	0	0	0	0	1	0	0
KEWAUNEE	0	3	2	0	0	2	0	0	10	4	4	15	10	6
MANITOWOC	0	7	7	0	0	33	0	1	40	27	0	40	39	13
MILWAUKEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OUTAGAMIE	0	1	0	0	0	58	1	0	31	11	2	38	9	4
OZAUKEE	0	0	0	0	0	0	0	0	7	1	0	3	0	0
RACINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCK	0	0	0	2	0	0	0	0	0	0	0	0	0	0
SHEBOYGAN	0	0	0	0	0	7	0	0	30	0	0	12	6	0
WALWORTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	0	1	0	0	0	0	0	0	59	0	0	58	0	0
WAUKESHA	0	0	0	0	0	0	0	0	9	0	0	0	0	0
WINNEBAGO	0	0	1	0	1	47	0	0	4	1	0	7	5	0
UNIT TOTAL	0	44	37	13	76	227	1	2	326	220	21	263	102	42
STATE TOTAL	5539	214	3967	13086	6903	4866	1382	118	4239	86157	282	5538	482	6156

TABLE 6 CONTINUED ON NEXT PAGE

TABLE 6 CONTINUED

UNIT AND COUNTY	YELLOW BIRCH	COTTON-WOOD	ELM	HICKORY	HARD MAPLE	SOFT MAPLE	RED OAK	WHITE OAK	WALNUT	OTHER HARD-WOODS	ALL SPECIES
NORTHEASTERN											
FLORENCE	62	0	647	0	1043	84	160	0	0	9	5600
FOREST	223	0	983	0	1559	235	55	0	0	35	11387
LANGLADE	118	0	1080	5	1247	324	123	13	0	45	7569
LINCOLN	196	0	1008	10	809	388	305	3	0	21	10182
MARINETTE	22	1	496	0	338	426	300	60	0	7	10935
OCONTO	21	8	426	0	174	211	240	47	0	1	5090
ONEIDA	351	2	285	0	713	842	553	0	0	27	15012
SHAWANO	189	1	3221	53	1429	451	621	56	0	24	10124
VILAS	333	2	154	0	1131	327	314	0	0	16	8782
UNIT TOTAL	1515	14	8300	68	8443	3288	2671	179	0	185	84681
NORTHWESTERN											
ASHLAND	114	0	262	0	651	365	134	12	0	9	8427
BARRON	6	2	74	0	88	20	300	28	0	0	1103
BAYFIELD	39	0	68	0	204	153	52	0	0	3	10555
BURNETT	0	0	38	0	12	1	298	20	0	1	1879
DOUGLAS	7	0	29	0	40	28	13	11	0	1	6413
IRON	88	0	123	0	311	133	59	0	0	3	7221
POLK	4	2	70	3	109	20	376	68	0	0	1132
PRICE	217	0	482	1	884	409	190	12	0	15	12737
RUSK	74	0	268	0	325	130	172	38	0	3	3252
SAWYER	63	0	146	0	420	122	144	6	0	4	5588
TAYLOR	126	0	707	0	982	553	187	20	0	9	6427
WASHBURN	9	0	37	0	100	29	284	8	0	2	3057
UNIT TOTAL	747	4	2304	4	4126	1953	2209	223	0	50	67791
CENTRAL											
ADAMS	1	0	80	0	37	93	1036	271	0	5	3288
CHIPPEWA	29	0	333	0	126	133	377	22	0	2	2281
CLARK	10	2	545	9	254	358	1030	209	0	9	5592
EAU CLAIR	1	0	20	0	16	12	134	31	0	2	755
JACKSON	15	6	159	0	59	131	657	118	0	26	3700
JUNEAU	0	0	150	13	70	187	1002	312	0	7	3526
MARATHON	87	0	2329	48	994	865	1224	276	0	25	9016
MARQUETTE	0	2	199	5	63	208	349	95	0	10	1108
MONROE	3	1	77	9	60	83	512	101	0	0	1128
PORTAGE	1	13	188	0	86	142	462	137	0	3	2109
WAUPACA	28	0	479	1	173	215	523	129	0	21	2590
WAUSHARA	0	0	63	0	9	31	392	92	0	0	1027
WOOD	3	0	306	0	155	299	915	252	0	8	4038
UNIT TOTAL	178	24	4928	85	2102	2757	8613	2045	0	118	40158

TABLE 6 CONTINUED ON NEXT PAGE

TABLE 6 CONTINUED

UNIT AND COUNTY	YELLOW BIRCH	COTTON-WOOD	ELM	HICKORY	HARD MAPLE	SOFT MAPLE	RED OAK	WHITE OAK	WALNUT	OTHER HARD-WOODS	ALL SPECIES
SOUTHWESTERN											
BUFFALO	0	29	41	2	6	22	1146	136	9	9	1477
CRAWFORD	0	10	52	5	48	12	521	215	52	14	1005
DUNN	0	6	123	2	141	21	500	45	7	9	1161
GRANT	0	17	78	2	78	30	559	279	100	9	1384
IOWA	0	0	19	0	53	7	151	88	34	5	396
LACROSSE	0	10	97	8	35	65	670	143	38	29	1206
LAFAYETTE	0	2	12	0	14	0	72	27	20	0	165
PEPIN	0	9	63	2	56	15	119	12	0	7	419
PIERCE	2	49	118	7	125	23	145	16	0	5	667
RICHLAND	0	1	60	15	173	38	599	256	0	3	1307
ST.CROIX	0	2	57	2	36	3	65	10	0	1	244
SAUK	0	2	48	25	70	124	1017	317	9	4	1991
TREMPEALEU	0	8	50	9	13	23	1604	261	0	8	2073
VERNON	0	8	132	16	212	46	1345	313	8	9	2272
UNIT TOTAL	2	153	950	95	1060	429	8513	2118	277	112	15767
SOUTHEASTERN											
BROWN	0	56	375	0	74	97	37	21	0	1	978
CALUMET	0	3	77	0	12	32	8	22	0	0	187
COLUMBIA	0	7	43	8	19	34	329	100	6	10	735
DANE	0	8	38	1	14	11	152	54	9	7	312
DODGE	0	3	17	60	7	5	78	66	2	3	253
DOOR	2	4	68	0	30	5	13	3	0	0	243
FOND DULAC	0	1	30	10	5	5	22	14	0	2	99
GREEN	0	0	5	0	0	1	33	24	57	0	125
GREEN LAKE	0	0	0	0	0	0	26	1	0	0	29
JEFFERSON	0	0	12	0	8	0	19	10	0	0	50
KEWAUNEE	2	5	130	0	34	49	31	20	0	2	329
MANITOWOC	0	7	277	0	61	114	42	28	0	1	737
MILWAUKEE	0	0	0	0	0	0	0	0	0	0	0
OUTAGAMIE	0	7	298	0	26	86	112	50	0	0	734
OZAUKEE	0	0	6	0	4	0	5	0	0	0	26
RACINE	0	0	6	0	0	0	11	11	0	0	28
ROCK	0	0	7	0	0	0	8	11	1	0	29
SHEBOYGAN	0	1	47	0	36	15	61	13	0	3	231
WALWORTH	0	0	0	0	0	0	1	1	0	0	2
WASHINGTON	0	1	63	0	84	0	75	1	0	0	342
WAUKESHA	0	0	1	0	11	5	16	2	0	0	44
WINNEBAGO	0	0	65	1	8	27	40	8	0	0	215
UNIT TOTAL	4	103	1565	80	433	486	1119	460	75	29	5728
STATE TOTAL	2446	298	18047	332	16164	8913	23125	5025	352	494	214125

Table 7.--*Sawtimber removals for industrial roundwood by species, unit, and county in Wisconsin, 1973*
(In thousand board feet, International ¼-inch rule)

UNIT AND COUNTY	BALSAM FIR	CEDAR	HEMLOCK	JACK PINE	RED PINE	WHITE PINE	SPRUCE	TAMARACK	ASH	ASPEN	BALSAM POPLAR	BASSWOOD	BEECH	WHITE BIRCH
NORTHEASTERN														
FLORENCE	313	3	1550	170	324	449	211	33	151	5339	166	758	4	177
FOREST	2463	182	4508	375	1178	2027	714	60	486	14175	66	2526	31	456
LANGLADE	247	48	691	9	110	101	121	80	469	7175	0	1227	204	282
LINCOLN	1155	5	876	530	1278	418	243	31	948	10760	0	1148	0	895
MARINETTE	1772	117	475	1110	1065	1482	658	14	453	19395	435	157	196	619
OCONTO	44	22	452	335	546	511	11	1	159	10000	90	308	122	265
ONEIDA	3005	37	1222	1157	2237	1753	1011	48	690	22699	22	347	0	2062
SHAWANO	43	140	5117	156	51	4454	15	21	776	3462	42	2797	722	543
VILAS	1105	3	405	901	1930	2380	257	7	81	10556	0	322	3	2734
UNIT TOTAL	10147	557	15296	4743	8719	13575	3241	295	4213	103561	821	9590	1282	8033
NORTHWESTERN														
ASHLAND	3671	47	709	368	715	383	701	16	665	12679	0	628	0	719
BARRON	0	0	0	3	84	407	0	0	81	2024	0	316	0	32
BAYFIELD	642	4	244	3151	2240	1281	98	1	193	14298	0	151	0	2603
BURNETT	0	0	0	2459	596	262	0	20	32	230	0	83	0	21
DOUGLAS	274	0	10	3598	470	168	118	12	68	8082	0	13	0	331
IRON	670	33	725	12	229	216	165	0	234	15685	0	318	0	844
POLK	0	0	0	318	174	399	0	1	104	443	0	280	0	54
PRICE	2098	0	671	221	341	245	373	12	1369	19072	6	701	0	2304
RUSK	13	0	45	33	37	243	0	0	429	7559	0	462	0	362
SAWYER	2088	0	295	386	1148	823	278	0	448	8576	0	448	0	1382
TAYLOR	344	0	1434	311	62	97	72	8	1072	6580	0	802	0	561
WASHBURN	20	0	0	2486	761	229	12	20	71	4169	0	882	0	103
UNIT TOTAL	9820	84	4133	13346	6857	4753	1817	90	4766	99397	6	5084	0	9316
CENTRAL														
ADAMS	0	0	0	2229	770	188	0	3	102	469	0	24	0	29
CHIPPEWA	15	0	173	35	40	363	0	7	167	4063	0	1031	0	189
CLARK	3	0	42	371	271	584	0	0	448	9731	0	528	0	1050
EAU CLAIR	0	0	0	219	75	173	0	0	45	1582	0	79	0	7
JACKSON	0	0	0	3117	941	565	0	3	94	2431	0	167	0	191
JUNEAU	0	0	0	1890	555	311	0	0	300	1316	0	77	0	81
MARATHON	127	16	588	148	136	447	21	28	1385	4461	0	1432	193	378
MARQUETTE	0	0	0	98	33	52	0	0	222	56	0	28	0	11
MONROE	0	0	0	205	83	90	0	0	52	440	0	173	0	24
PORTAGE	6	0	92	566	315	511	3	8	114	1597	0	67	0	12
WAUPACA	61	0	114	135	162	1452	0	11	566	841	5	850	349	195
WAUSHARA	0	21	4	556	262	226	1	0	63	9	0	14	0	0
WOOD	7	0	48	1376	272	214	1	2	482	4918	0	189	0	128
UNIT TOTAL	219	37	1061	10945	3915	5176	26	62	4040	31914	5	4659	542	2295

TABLE 7 CONTINUED ON NEXT PAGE

TABLE 7 CONTINUED

UNIT AND COUNTY	BALSAM FIR	CEDAR	HEMLOCK	JACK PINE	RED PINE	WHITE PINE	SPRUCE	TAMARACK	ASH	ASPEN	BALSAM POPLAR	BASSWOOD	BEECH	WHITE BIRCH
SOUTHWESTERN														
BUFFALO	0	0	0	6	5	10	0	0	18	184	0	158	0	24
CRAWFORD	0	0	0	0	0	0	0	0	82	62	0	269	0	3
DUNN	0	0	0	19	36	264	0	0	97	298	0	875	0	7
GRANT	0	0	0	0	3	14	0	0	73	260	0	207	0	126
IOWA	0	0	0	0	0	0	0	0	39	15	0	171	0	1
LACROSSE	0	0	0	10	18	24	0	0	60	109	0	312	0	35
LAFAYETTE	0	0	0	0	0	0	0	0	24	2	0	71	0	1
PEPIN	0	0	0	21	29	62	0	0	65	75	0	320	0	13
PIERCE	0	0	0	0	0	41	0	0	118	104	0	685	0	17
RICHLAND	0	0	0	11	15	51	0	0	134	47	0	572	0	1
ST•CROIX	0	0	0	0	7	63	0	0	55	24	0	224	0	12
SAUK	0	0	0	87	147	34	0	0	135	477	0	232	0	31
TREMPEALEU	0	0	0	0	68	43	0	0	46	135	0	212	0	27
VERNON	0	0	0	0	0	3	0	0	137	183	0	638	0	31
UNIT TOTAL	0	0	0	154	328	609	0	0	1083	1975	0	4946	0	329
SOUTHEASTERN														
BROWN	0	33	118	0	3	220	0	0	264	249	21	199	128	37
CALUMET	0	3	2	0	0	8	0	0	63	34	0	57	17	2
COLUMBIA	0	0	0	22	157	108	0	0	95	136	0	38	4	9
DANE	0	0	0	0	0	0	0	0	55	8	0	27	0	0
DODGE	0	0	0	0	0	0	0	0	33	0	0	28	0	0
DOOR	1	134	24	0	14	114	0	6	33	98	59	78	29	59
FOND DULAC	0	0	0	0	0	0	0	0	17	5	0	25	0	0
GREEN	0	0	0	0	0	0	0	0	8	2	0	22	0	0
GREEN LAKE	0	0	0	1	0	5	0	0	0	0	0	0	0	0
JEFFERSON	0	0	0	0	0	0	0	0	0	0	0	4	0	0
KEWAUNEE	0	15	12	0	0	15	0	0	56	22	21	80	61	28
MANITOWOC	0	36	41	0	0	196	0	7	219	156	0	216	225	66
MILWAUKEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OUTAGAMIE	0	5	2	0	0	336	2	0	170	60	15	209	51	21
OZAUKEE	0	2	0	0	0	0	0	0	40	5	0	19	0	0
RACINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCK	0	0	0	3	1	0	0	0	0	0	0	0	0	0
SHEBOYGAN	0	0	0	0	0	43	0	0	160	1	0	65	37	0
WALWORTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	0	3	0	0	0	0	0	0	309	0	0	308	0	0
WAUKESHA	0	0	0	0	0	0	0	0	52	0	0	0	0	0
WINNEBAGO	0	0	6	0	5	272	0	0	20	7	0	37	23	1
UNIT TOTAL	1	231	205	26	180	1317	2	13	1594	783	116	1412	575	223
STATE TOTAL	20187	909	20695	29214	19999	25430	5086	460	15696	237630	948	25691	2399	20196

TABLE 7 CONTINUED ON NEXT PAGE

TABLE 7 CONTINUED

UNIT AND COUNTY	YELLOW BIRCH	COTTON-WOOD	ELM	HICKORY	HARD MAPLE	SOFT MAPLE	RED OAK	WHITE OAK	WALNUT	OTHER HARD-WOODS	ALL SPECIES
NORTHEASTERN											
FLORENCE	297	0	2905	0	4653	261	524	0	0	35	18323
FOREST	978	0	3535	0	6817	812	304	0	0	107	41800
LANGLADE	458	0	4901	27	5404	1058	616	72	0	139	23439
LINCOLN	766	0	3844	35	2844	1304	1359	16	0	71	28526
MARINETTE	112	8	2244	0	1219	1430	1676	341	0	21	34999
OCONTO	115	45	2234	0	911	811	1347	265	0	5	18599
ONEIDA	1566	12	955	0	2375	2793	1734	0	0	71	45796
SHAWANO	1031	8	16151	197	7624	2228	3423	311	0	122	49434
VILAS	1114	12	441	0	3268	1061	955	0	0	46	27581
UNIT TOTAL	6437	85	37210	259	35115	11758	11938	1005	0	617	288497
NORTHWESTERN											
ASHLAND	457	0	813	0	2015	1005	570	65	0	25	26251
BARRON	19	15	370	0	435	86	1633	155	0	2	5662
BAYFIELD	145	0	214	0	642	408	164	1	0	8	26488
BURNETT	2	0	208	0	66	6	1662	110	0	6	5763
DOUGLAS	18	0	79	0	108	75	64	62	0	3	13553
IRON	366	0	414	0	1083	370	211	0	0	9	21584
POLK	22	14	376	16	621	107	2109	383	0	4	5425
PRICE	704	0	1574	4	2773	1326	684	66	0	37	34581
RUSK	342	0	1023	0	1379	491	873	212	0	10	13513
SAWYER	233	0	527	0	1744	368	668	36	0	11	19459
TAYLOR	382	0	2366	2	2919	1676	712	87	0	24	19511
WASHBURN	35	0	104	0	420	80	1546	48	0	5	10991
UNIT TOTAL	2725	29	8068	22	14205	5998	10896	1225	0	144	202781
CENTRAL											
ADAMS	8	0	250	3	111	272	3256	816	0	12	8542
CHIPPEWA	98	0	1394	0	642	603	2065	122	0	17	11024
CLARK	53	15	2211	47	947	1261	3962	713	0	26	22263
EAU CLAIR	9	0	111	0	93	67	753	178	0	13	3404
JACKSON	82	29	811	1	304	652	3522	620	0	133	13663
JUNEAU	1	0	461	73	240	627	3840	1224	0	21	11017
MARATHON	449	0	9923	162	4050	2917	4682	938	0	123	32604
MARQUETTE	0	15	539	29	171	571	1583	422	3	28	3861
MONROE	20	4	410	49	322	435	2800	557	0	0	5664
PORTAGE	11	67	612	3	309	476	1678	497	0	9	6953
WAUPACA	150	0	2484	8	925	1061	2681	649	0	117	12816
WAUSHARA	0	0	298	0	37	126	1715	376	0	2	3710
WOOD	24	0	997	1	586	995	3043	795	0	22	14100
UNIT TOTAL	905	130	20501	376	8737	10063	35580	7907	3	523	149621

TABLE 7 CONTINUED ON NEXT PAGE

TABLE 7 CONTINUED

UNIT AND COUNTY	YELLOW BIRCH	COTTON-WOOD	ELM	HICKORY	HARD MAPLE	SOFT MAPLE	RED OAK	WHITE OAK	WALNUT	OTHER HARD-WOODS	ALL SPECIES
SOUTHWESTERN											
BUFFALO	1	161	224	16	34	120	6393	757	56	44	8211
CRAWFORD	0	53	278	28	273	66	2906	1256	292	74	5642
DUNN	1	28	662	16	782	117	2796	254	44	47	6343
GRANT	0	84	316	13	333	103	2347	1316	565	48	5808
IOWA	0	3	103	2	302	41	839	507	186	27	2236
LACROSSE	1	53	527	44	196	353	3734	835	214	155	6680
LAFAYETTE	0	10	66	3	75	2	403	161	111	3	932
PEPIN	1	47	340	16	317	83	672	68	0	36	2165
PIERCE	12	261	634	36	693	126	807	88	0	26	3648
RICHLAND	0	5	326	82	963	213	3354	1540	0	21	7335
ST.CROIX	1	10	312	11	204	18	366	59	0	6	1372
SAUK	0	13	262	141	397	672	5688	1886	51	25	10278
TREMPEALEU	1	44	272	52	77	124	8933	1463	0	42	11539
VERNON	0	41	713	88	1182	248	7510	1768	50	46	12638
UNIT TOTAL	18	813	5035	548	5828	2286	46748	11958	1569	600	84827
SOUTHEASTERN											
BROWN	0	301	1789	0	310	521	203	116	0	5	4517
CALUMET	0	18	417	0	64	175	48	126	1	2	1037
COLUMBIA	0	40	178	43	89	165	1837	585	34	39	3579
DANE	0	41	174	4	57	53	768	331	53	27	1598
DODGE	0	19	92	335	39	26	437	371	11	17	1408
DOOR	12	21	369	0	167	26	75	16	0	1	1336
FOND DULAC	0	5	163	55	28	24	121	78	0	10	531
GREEN	0	0	24	1	0	5	184	149	316	0	711
GREEN LAKE	0	0	0	0	0	0	144	7	0	0	157
JEFFERSON	0	0	64	0	43	0	105	56	0	0	272
KEWAUNEE	12	26	696	0	191	261	171	112	0	10	1789
MANITOWOC	1	35	1492	0	336	619	234	154	0	4	4037
MILWAUKEE	0	0	0	0	0	0	0	0	0	0	0
OUTAGAMIE	0	36	1609	0	144	462	619	281	0	0	4022
OZAUKEE	0	0	31	0	22	0	27	2	0	0	148
RACINE	0	0	29	0	0	0	62	62	0	0	153
ROCK	0	0	36	0	0	0	46	80	6	0	172
SHEBOYGAN	0	4	256	1	200	82	339	71	0	18	1277
WALWORTH	0	0	0	0	0	0	5	5	0	0	10
WASHINGTON	0	5	333	0	464	2	410	10	0	4	1848
WAUKESHA	0	0	5	0	62	27	92	12	3	0	253
WINNEBAGO	0	2	347	8	49	142	223	47	0	1	1190
UNIT TOTAL	25	553	8104	447	2265	2590	6150	2671	424	138	30045
STATE TOTAL	10110	1610	78918	1652	66150	32695	111312	24766	1996	2022	755771

Table 8.--*Wisconsin pulpwood production by species group, 1946-1973*
(In thousand standard cords, roughwood basis)

Year	Roundwood								Residue		Total
	Pine	Balsam fir	Hemlock	Spruce	Tamarack	Aspen	Birch	Other hardwds.	Soft-wood	Hard-wood	
1946	75	48	64	32	3	202	4	1/	1/	1/	428
1947	157	53	50	31	6	187	8	1/	1/	1	493
1948	117	87	51	34	3	167	8	1/	1/	1	468
1949	72	78	47	33	1	184	10	—	1/	2	427
1950	93	69	47	31	1/	195	6	20	1	6	468
1951	102	55	51	30	1	281	28	17	—	—	565
1952	95	76	66	39	1	275	15	15	—	—	582
1953	71	45	51	26	1	306	12	41	—	—	553
1954	113	56	63	31	4	348	27	49	—	—	691
1955	121	48	58	23	4	365	16	75	—	—	710
1956	140	45	56	23	4	507	21	164	—	—	960
1957	126	60	57	27	6	453	27	178	—	—	934
1958	148	62	55	23	6	369	18	147	—	—	828
1959	186	52	49	21	6	431	26	159	5	37	972
1960	124	50	52	18	6	540	27	204	4	27	1,052
1961	154	61	47	23	7	530	34	201	3	18	1,078
1962	188	46	42	15	6	572	41	188	6	36	1,140
1963	170	60	52	19	6	613	50	233	13	86	1,302
1964	168	57	52	20	5	603	41	222	11	65	1,244
1965	207	50	60	15	4	607	24	197	14	75	1,253
1966	215	55	69	17	3	810	39	243	12	73	1,536
1967	174	48	42	13	3	739	41	246	10	101	1,417
1968	199	51	44	11	5	629	57	185	16	101	1,298
1969	216	50	51	13	2	697	62	238	15	106	1,450
1970	259	68	53	16	4	771	76	296	19	94	1,656
1971	268	54	42	12	3	736	51	269	16	101	1,552
1972	246	49	42	13	3	685	47	333	10	110	1,538
1973	232	67	32	16	1	761	73	400	21	155	1,758

1/ Less than 500 cords.

Table 9.--*Pulpwood receipts in Wisconsin by species group, 1946-1973*
(In thousand standard cords, roughwood basis)

Year	Roundwood								Residue		Total
	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Aspen	Birch	Other hdwds.	Soft-wood	Hard-wood	
1946	298	645	280	233	16	416	14	1/	1/	1/	1,902
1947	292	687	230	134	19	346	13	1/	1/	1	1,722
1948	307	663	279	136	5	333	17	1/	1/	1	1,741
1949	227	502	244	101	3	332	15	1/	1/	2	1,426
1950	244	441	238	91	3	387	10	21	1	6	1,442
1951	428	678	232	120	10	569	42	18	—	—	2,097
1952	365	732	288	131	6	490	32	15	—	—	2,059
1953	283	529	179	76	2	552	26	42	—	—	1,689
1954	298	608	228	125	5	566	40	49	—	—	1,919
1955	319	471	199	92	5	590	26	75	—	—	1,777
1956	397	445	195	143	9	754	27	166	—	—	2,136
1957	325	578	254	116	14	739	38	183	—	—	2,247
1958	318	479	200	90	18	583	19	159	—	—	1,866
1959	436	345	169	87	17	619	30	165	7	6	1,881
1960	388	389	176	97	26	785	31	208	7	7	2,114
1961	330	350	177	92	19	741	44	196	12	11	1,972
1962	395	317	155	99	19	784	49	206	51	49	2,124
1963	414	341	175	114	22	877	64	235	96	91	2,429
1964	350	314	139	110	20	855	62	233	96	92	2,271
1965	410	300	114	120	19	899	26	219	91	92	2,290
1966	473	301	139	162	11	1,112	44	270	100	89	2,701
1967	415	308	140	100	42	1,115	48	302	135	124	2,729
1968	405	200	100	86	33	860	59	205	160	118	2,226
1969	456	208	81	112	25	978	63	278	192	121	2,514
1970	498	208	111	118	43	1,088	81	333	189	152	2,821
1971	514	167	88	83	37	1,011	53	295	193	140	2,581
1972	443	181	82	69	31	902	48	354	198	142	2,450
1973	387	224	103	54	28	1,006	68	398	279	149	2,696

1/ Less than 500 cords.

Table 10.--*Pine and spruce pulpwood receipts in Wisconsin by area of origin, 1946-1973*
(In thousand standard cords, roughwood basis)

Year	Pine from:						Spruce from:					
	Wis.	Mich.	Minn.	Other states	Canada	All areas	Wis.	Mich.	Minn.	Other states	Canada	All areas
1946	75	43	165	9	6	298	32	87	113	16	397	645
1947	116	25	126	20	5	292	31	105	102	4	445	687
1948	117	24	122	29	15	307	34	95	113	6	415	663
1949	72	16	80	47	12	227	33	72	88	8	301	502
1950	93	14	60	49	28	244	31	69	102	13	226	441
1951	99	20	157	99	53	428	30	78	126	38	406	678
1952	92	13	87	129	44	365	39	86	151	3	453	732
1953	67	7	90	78	41	283	25	51	91	26	336	529
1954	112	7	97	49	33	298	31	90	92	18	377	608
1955	118	18	89	61	33	319	23	80	108	20	240	471
1956	136	35	112	87	27	397	23	76	120	26	200	445
1957	124	22	104	49	26	325	28	79	140	38	293	578
1958	147	41	75	33	22	318	23	59	112	22	263	479
1959	184	80	91	56	25	436	21	49	87	11	177	345
1960	123	60	100	80	25	388	18	61	128	1/	182	389
1961	154	47	59	44	26	330	23	65	115	—	147	350
1962	188	86	56	65	—	395	15	58	98	—	146	317
1963	169	90	63	85	7	414	19	64	99	—	159	341
1964	167	90	38	55	—	350	20	49	96	1/	149	314
1965	206	110	25	58	11	410	16	45	87	1/	152	300
1966	215	108	57	92	1	473	18	53	72	4	154	301
1967	174	76	57	105	3	415	14	55	90	4	145	308
1968	199	72	44	82	8	405	11	22	51	1/	116	200
1969	216	91	63	86	1/	456	13	23	53	—	119	208
1970	259	88	71	80	—	498	16	30	52	—	110	208
1971	268	120	68	58	—	514	11	28	39	—	89	167
1972	246	102	49	46	—	443	13	24	53	—	91	181
1973	231	70	49	37	1/	387	16	32	57	—	119	224

1/ Less than 500 cords.

Table 11.--*Aspen and other hardwood*[1] *pulpwood receipts in Wisconsin by area of origin, 1946-1973*
(In thousand standard cords, roughwood basis)

Year	Aspen from:						Other hardwoods from:					
	Wis.	Mich.	Minn.	Other states	Canada	All areas	Wis.	Mich.	Minn.	Other states	Canada	All areas
1946	202	157	57	—	—	416	2/	—	2/	—	—	2/
1947	187	114	32	—	13	346	2/	2/	—	—	—	2/
1948	167	120	27	—	19	333	2/	2/	—	—	—	2/
1949	181	117	12	—	22	332	—	2/	—	—	—	2/
1950	186	178	22	—	1	387	20	1	—	2/	—	21
1951	270	220	56	2/	23	569	17	1	—	—	—	18
1952	269	171	35	—	15	490	15	2/	—	—	—	15
1953	299	223	20	—	10	552	41	1	—	2/	—	42
1954	336	207	13	—	10	566	49	—	—	—	—	49
1955	345	229	10	—	6	590	75	—	—	—	—	75
1956	492	240	21	—	1	754	158	8	—	—	—	166
1957	437	281	16	—	5	739	172	11	—	—	—	183
1958	355	213	11	—	4	583	145	14	2/	—	—	159
1959	409	198	12	—	—	619	155	10	—	—	—	165
1960	522	250	13	—	2/	785	198	10	—	—	—	208
1961	516	208	17	—	—	741	191	5	—	—	—	196
1962	556	215	13	—	—	784	179	27	—	—	—	206
1963	592	269	16	—	2/	877	227	8	—	—	—	235
1964	586	249	20	—	—	855	214	19	2/	—	—	233
1965	605	278	16	—	2/	899	187	32	—	2/	—	219
1966	802	276	34	—	2/	1,112	234	36	2/	—	—	270
1967	738	327	49	—	1	1,115	242	39	21	—	—	302
1968	617	216	27	—	2/	860	181	23	1	—	—	205
1969	688	250	40	—	2/	978	233	44	1	—	—	278
1970	766	265	51	—	6	1,088	292	40	1	—	—	333
1971	714	249	46	—	2	1,011	264	31	—	—	—	295
1972	660	207	35	—	—	902	326	28	—	—	—	354
1973	754	196	56	—	2/	1,006	367	31	2/	—	—	398

1/ "Other hardwood" includes all hardwood roundwood (and chips from roundwood) except aspen and birch.
2/ Less than 500 cords.

Table 12.--*Receipts of residue for pulpwood in Wisconsin by area of origin, 1946-1973*
(In thousand standard cords, roughwood basis)

Year	Softwoods						Hardwoods					
	Wis.	Mich.	Minn.	Other states	Canada	All areas	Wis.	Mich.	Minn.	Other states	Canada	All areas
1964	11	5	1/	80	—	96	53	37	2	—	—	92
1965	10	3	1	77	—	91	63	27	2	—	—	92
1966	7	2	2	89	—	100	58	30	1	1/	—	89
1967	6	3	2	124	—	135	81	31	12	1/	—	124
1968	14	3	2	141	—	160	81	32	5	—	—	118
1969	14	5	2	171	—	192	83	37	1	—	—	121
1970	12	5	3	169	—	189	81	69	2	—	—	152
1971	9	5	3	176	—	193	85	55	1/	—	—	140
1972	10	3	1	184	1/	198	100	42	—	—	—	142
1973	17	4	1	254	3	279	121	28	—	—	—	149

1/ Less than 500 cords.

Table 13.--*Wisconsin pulpwood production by species group and destination, 1973*
(In thousand standard cords, roughwood basis)

Species group	Destination of wood				Total
	Wis.	Mich.	Minn.	Other states & Canada	
Roundwood 1/					
Pine	231	1	—	—	232
Balsam fir	66	1	—	—	67
Hemlock	31	1	—	—	32
Spruce	16	2/	—	—	16
Tamarack	1	2/	—	—	1
Aspen	753	5	—	3	761
Birch	67	5	—	1	73
Other hardwoods	368	24	—	8	400
Total	1,533	37	—	12	1,582
Residues:					
Softwoods	17	1	—	3	21
Hardwoods	121	17	14	3	155
All material	1,671	55	14	18	1,758

1/ Includes chips from roundwood.
2/ Less than 500 cords.

Table 14.--*Pulpwood receipts in Wisconsin by species group and area of origin, 1973*
(In thousand standard cords, roughwood basis)

Species group	Area of Origin					Total
	Wis.	Mich.	Minn.	Other states	Canada	
Roundwood 1/:						
Pine	231	70	49	37	2/	387
Balsam fir	66	32	5	—	2/	103
Hemlock	31	23	—	—	—	54
Spruce	16	32	57	—	119	224
Tamarack	1	1	26	—	—	28
Aspen	754	196	56	—	2/	1,006
Birch	67	1	2/	—	—	68
Other hardwoods	367	31	2/	—	—	398
Total	1,533	386	193	37	119	2,268
Residues:						
Softwoods	17	4	1	254	3	279
Hardwoods	121	28	—	—	—	149
All material	1,671	418	194	291	122	2,696

1/ Includes chips from roundwood.
2/ Less than 500 cords.

Table 15.--*Pulpwood production from roundwood by unit, county, and species group, Wisconsin, 1973*
(In standard cords, roughwood basis)

Unit and county	Balsam fir	Hemlock	Jack pine	Red pine	White pine	Spruce	Tamarack	Ash	Aspen	Balsam poplar	Basswood	Beech	White birch	Yellow birch	Cotton-wood	Elm	Hickory	Hard maple	Soft maple	Red oak	White oak	Other hardwoods	All species
Northeastern																							
Florence	1,062	2,633	1,040	1,489	306	622	115	259	27,829	769	630	0	514	206	0	2,873	0	4,922	861	1,552	0	89	47,771
Forest	8,322	4,825	1,140	2,199	364	2,271	204	833	40,257	304	4,767	0	821	1,083	0	7,884	0	7,854	2,032	25	0	351	85,536
Langlade	762	1,297	52	378	52	301	272	878	43,535	0	1,696	600	718	843	0	4,058	2	6,463	3,108	291	0	443	65,749
Lincoln	3,903	1,862	3,199	6,513	526	818	103	2,626	56,816	0	1,856	0	2,268	1,388	0	7,052	106	6,970	3,488	1,423	0	179	101,096
Marinette	5,902	769	5,732	2,222	235	2,213	48	1,042	59,483	1,070	144	150	1,104	70	0	1,884	0	2,829	3,894	5	1	97	88,894
Oconto	149	930	2,020	538	26	39	2	39	25,909	340	0	75	308	2	0	251	0	250	1,416	8	1	0	32,303
Oneida	10,110	2,535	4,566	3,391	283	3,429	163	3,081	80,302	100	971	0	6,108	1,633	0	2,570	0	6,701	7,749	5,676	0	327	139,695
Shawano[1]	145	5,589	888	81	121	16	36	198	11,917	0	55	400	31	87	0	5,350	409	1,446	899	175	2	21	27,866
Vilas	3,683	728	2,917	2,255	233	739	23	352	34,531	0	1,183	0	9,749	3,089	0	1,722	0	12,712	3,107	3,326	0	173	80,522
Unit total	34,038	21,168	21,554	19,066	2,146	10,448	966	9,308	380,579	2,583	11,302	1,225	21,621	8,401	0	33,644	517	50,147	26,544	12,481	4	1,680	669,432
Northwestern																							
Ashland	12,085	1,666	2,080	2,516	376	2,290	54	2,635	37,614	0	925	0	2,695	771	0	2,693	0	6,783	4,040	731	0	113	80,067
Barron	0	0	0	0	0	0	0	86	0	0	83	0	69	77	0	111	0	277	82	145	0	6	936
Bayfield	2,152	581	18,259	7,083	489	325	5	750	65,295	0	106	0	9,417	302	0	689	0	2,080	1,877	541	0	38	109,989
Burnett	0	0	12,216	2,819	205	0	67	0	396	0	0	0	76	8	0	0	0	0	0	0	0	0	15,787
Douglas	312	24	21,905	1,918	106	371	40	316	47,097	0	60	0	1,525	82	0	363	0	497	348	42	0	15	75,021
Iron	2,258	1,580	74	73	19	482	0	858	49,464	1	574	0	3,653	538	0	1,144	0	2,733	1,563	479	1	43	65,537
Polk	0	0	1,934	762	86	0	0	0	470	0	0	0	0	0	0	0	0	0	0	0	0	0	3,252
Price	7,115	1,598	1,307	1,843	307	1,232	42	4,229	80,059	0	2,032	0	8,515	2,141	0	4,562	0	8,991	3,911	1,576	0	171	129,631
Rusk	44	84	169	17	4	0	0	726	7,694	0	380	0	414	289	0	1,917	0	1,826	901	348	0	44	14,857
Sawyer	7,084	668	2,304	3,010	393	945	0	1,087	17,599	0	493	0	5,767	514	0	1,151	0	2,510	1,322	581	3	54	45,485
Taylor	1,155	3,196	1,872	339	160	245	26	3,813	22,445	0	1,298	0	1,971	1,361	0	6,429	8	10,690	5,830	1,402	124	111	62,475
Washburn	69	0	12,348	2,681	322	41	67	325	2,501	0	110	0	153	61	0	413	0	577	354	148	0	23	20,193
Unit total	32,274	9,397	74,468	23,061	2,467	5,931	301	14,825	330,634	1	6,061	0	34,255	6,144	0	19,472	8	36,964	20,228	5,993	128	618	623,230
Central																							
Adams	0	0	13,544	4,147	683	0	10	366	2,187	0	30	0	5	1	0	819	0	403	1,024	10,542	2,881	58	36,700
Chippewa	52	411	214	108	25	0	23	92	1,642	0	21	0	267	269	0	1,766	0	234	517	137	0	10	5,788
Clark	10	76	2,026	1,497	317	0	0	1,038	5,872	0	148	0	23	22	0	3,225	30	1,947	2,977	6,789	1,910	119	28,026
Eau Claire	0	0	1,321	456	135	0	0	3	203	0	0	0	0	0	0	5	0	4	9	0	0	0	2,136
Jackson	0	0	16,471	5,150	1,258	0	12	80	584	0	6	0	6	1	0	175	0	114	221	589	159	17	24,843
Juneau	0	0	10,751	2,705	647	0	0	722	4,457	0	57	0	50	5	0	1,551	0	643	1,705	7,309	2,154	93	32,849
Marathon	431	853	710	653	455	39	0	1,880	22,562	0	239	0	209	145	0	11,652	413	6,234	7,754	8,974	2,524	74	65,801
Marquette	0	0	596	158	54	0	0	965	74	0	105	0	0	0	0	2,412	0	750	2,470	1,503	451	128	9,666
Monroe	0	0	1,219	309	125	0	0	26	176	0	0	0	0	0	0	45	0	35	74	258	72	0	2,339
Portage	22	218	3,193	1,533	399	10	26	455	3,297	0	66	0	44	5	0	1,813	8	684	1,272	3,741	1,129	41	17,956
Waupaca	206	10	825	358	108	0	0	134	1,400	0	18	0	337	37	0	392	5	170	390	973	303	10	5,676
Waushara	0	0	3,360	1,071	269	4	0	68	58	0	8	0	0	0	0	179	0	72	175	1,968	573	9	7,814
Wood	23	91	6,525	1,172	311	3	6	1,192	2,854	0	164	0	23	2	0	2,946	3	1,159	2,723	8,616	2,564	102	30,479
Unit total	744	1,659	60,755	19,317	4,786	56	77	7,021	45,366	0	862	0	964	487	0	26,980	459	12,449	21,311	51,399	14,720	661	270,073
Southwestern																							
Buffalo	0	0	35	29	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70
Dunn	0	0	119	183	26	0	0	2	25	0	0	0	0	0	0	7	0	4	5	0	0	0	371
Grant	0	0	0	0	0	0	0	227	1,150	0	260	0	576	0	41	486	0	427	287	3,229	1,214	0	7,897
LaCrosse	0	0	64	95	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	173
Pepin	0	0	131	177	327	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	635
Pierce	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Richland	0	0	66	90	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223
Sauk	0	0	534	900	120	0	0	3	1,636	0	0	0	23	2	0	0	0	7	6	0	0	11	3,242
Vernon	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Unit total	0	0	949	1,474	560	0	0	232	2,835	0	260	0	599	2	41	493	0	438	298	3,229	1,214	11	12,635
Southeastern																							
Brown	0	215	0	0	0	0	0	529	1,160	0	0	0	0	0	0	1,020	0	420	0	0	0	0	3,344
Columbia	0	0	135	920	31	0	0	138	282	0	3	17	9	1	0	243	0	98	77	0	0	79	2,033
Dane	0	0	0	0	0	0	0	53	0	0	17	0	0	0	0	127	0	80	25	323	0	52	677
Fond du Lac	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Green Lake	0	0	7	2	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Milwaukee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	247	0	0	0	0	0	0	247
Outagamie	0	0	0	0	0	8	0	0	0	0	0	2	0	0	0	0	0	8	0	12	9	0	39
Rock	0	0	16	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Washington	0	0	0	0	0	0	0	22	0	0	5	0	0	0	0	44	0	21	10	20	0	3	125
Unit total	0	215	158	926	50	8	0	742	1,467	0	25	19	9	1	0	1,681	0	627	112	355	9	134	6,538
State total	67,056	32,439	157,884	63,844	10,009	16,443	1,344	32,128	760,881	2,584	18,510	1,244	57,448	15,035	41	82,270	984	100,625	68,503	73,457	16,075	3,104	1,581,908

[1] Includes Menominee County.

Table 16.--*Saw log production and receipts in Wisconsin by species, 1967 and 1973*
(In thousand board feet, International ¼-inch rule)

Species	Production			Receipts		
	1967	1973	change	1967	1973	change
Softwoods:						
Balsam fir	136	448	312	136	1,890	1,754
Cedar	769	884	115	769	879	110
Hemlock	3,279	7,031	3,752	3,391	7,095	3,704
Jack pine	476	2,945	2,469	483	4,295	3,812
Red pine	3,604	8,381	4,777	3,564	10,391	6,827
White pine	20,135	23,624	3,489	21,516	26,212	4,696
Spruce	248	259	11	297	303	6
Tamarack	33	69	36	33	69	36
All swds.	28,680	43,641	14,961	30,189	51,134	20,945
Hardwoods:						
Ash	6,571	8,669	2,098	6,730	8,654	1,924
Aspen	30,726	74,339	43,613	34,939	82,192	47,253
Balsam poplar	28	382	354	28	461	433
Basswood	22,061	21,258	-803	22,552	21,935	-617
Beech	1,222	2,029	807	2,399	2,066	-333
White birch	2,899	6,797	3,898	3,004	7,950	4,946
Yellow birch	5,302	5,844	542	6,005	5,930	- 75
Cottonwood	1,595	1,598	3	1,657	1,710	53
Elm	30,866	58,064	27,198	31,884	58,687	26,803
Hickory	--	1,395	1,395	--	1,396	1,396
Hard maple	42,010	39,116	- 2,894	46,764	40,017	-6,747
Soft maple	12,195	17,776	5,581	12,661	17,982	5,321
Red oak	73,115	84,669	11,554	74,101	87,894	13,793
White oak	11,358	18,527	7,169	11,531	18,684	7,153
Walnut	794	1,300	506	434	402	- 32
Other hwds.	3,088	1,139	- 1,949	3,163	1,197	-1,966
All hwds.	243,830	342,902	99,072	257,852	357,157	99,305
All species	272,510	386,543	114,033	288,041	408,291	120,250

Table 17.--*Saw log production by unit, species, and State of destination, Wisconsin, 1973*
(In thousand board feet, International ¼-inch rule)

ALL UNITS

SPECIES	WISCONSIN	MICHIGAN	MINNESOTA	IOWA	OTHER STATES	TOTAL
SOFTWOODS:						
BALSAM FIR	448	0	0	0	0	448
CEDAR	879	5	0	0	0	884
HEMLOCK	7015	16	0	0	0	7031
JACK PINE	2945	0	0	0	0	2945
RED PINE	8332	49	0	0	0	8381
WHITE PINE	23215	65	344	0	0	23624
SPRUCE	250	9	0	0	0	259
TAMARACK	69	0	0	0	0	69
TOTAL SWDS	43153	144	344	0	0	43641
HARDWOODS:						
ASH	8597	50	1	21	0	8669
ASPEN	74301	7	31	0	0	74339
BAL.POPLAR	382	0	0	0	0	382
BASSWOOD	20962	219	9	62	6	21258
BEECH	2029	0	0	0	0	2029
WH. BIRCH	6793	4	0	0	0	6797
YEL.BIRCH	5645	199	0	0	0	5844
COTTONWOOD	1578	0	10	10	0	1598
ELM	57837	163	0	52	12	58064
HICKORY	1392	0	0	3	0	1395
HARD MAPLE	38390	658	0	62	6	39116
SOFT MAPLE	17730	39	0	0	7	17776
RED OAK	84264	14	104	187	100	84669
WHITE OAK	18353	0	0	104	70	18527
WALNUT	227	0	0	435	638	1300
OTHER SPP.	1133	0	0	6	0	1139
TOTAL HWDS	339613	1353	155	942	839	342902
ALL SPECIES	382766	1497	499	942	839	386543

NORTHEAST UNIT

SPECIES	WISCONSIN	MICHIGAN	MINNESOTA	IOWA	OTHER STATES	TOTAL
SOFTWOODS:						
BALSAM FIR	119	0	0	0	0	119
CEDAR	511	0	0	0	0	511
HEMLOCK	6364	6	0	0	0	6370
JACK PINE	1286	0	0	0	0	1286
RED PINE	5424	0	0	0	0	5424
WHITE PINE	13112	0	0	0	0	13112
SPRUCE	173	0	0	0	0	173
TAMARACK	13	0	0	0	0	13
TOTAL SWDS	27002	6	0	0	0	27008
HARDWOODS:						
ASH	2109	0	0	0	0	2109
ASPEN	36906	7	0	0	0	36913
BAL.POPLAR	249	0	0	0	0	249
BASSWOOD	6841	4	0	0	0	6845
BEECH	953	0	0	0	0	953
WH. BIRCH	3328	4	0	0	0	3332
YEL.BIRCH	4021	24	0	0	0	4045
COTTONWOOD	87	0	0	0	0	87
ELM	27902	2	0	0	0	27904
HICKORY	142	0	0	0	0	142
HARD MAPLE	21618	27	0	0	0	21645
SOFT MAPLE	5984	3	0	0	0	5987
RED OAK	8237	1	0	0	0	8238
WHITE OAK	943	0	0	0	0	943
WALNUT	0	0	0	0	0	0
OTHER SPP.	249	0	0	0	0	249
TOTAL HWDS	119569	72	0	0	0	119641
ALL SPECIES	146571	78	0	0	0	146649

(TABLE 17 CONTINUED ON NEXT PAGE)

(TABLE 17 CONTINUED)

NORTHWEST UNIT

SPECIES	WISCONSIN	MICHIGAN	MINNESOTA	IOWA	OTHER STATES	TOTAL
SOFTWOODS:						
BALSAM FIR	328	0	0	0	0	328
CEDAR	84	5	0	0	0	89
HEMLOCK	174	10	0	0	0	184
JACK PINE	621	0	0	0	0	621
RED PINE	2170	49	0	0	0	2219
WHITE PINE	3919	65	344	0	0	4328
SPRUCE	66	9	0	0	0	75
TAMARACK	1	0	0	0	0	1
TOTAL SWDS	7363	138	344	0	0	7845
HARDWOODS:						
ASH	1523	50	0	0	0	1573
ASPEN	26362	0	0	0	0	26362
BAL.POPLAR	7	0	0	0	0	7
BASSWOOD	3635	215	0	0	0	3850
BEECH	0	0	0	0	0	0
WH. BIRCH	1900	0	0	0	0	1900
YEL.BIRCH	864	175	0	0	0	1039
COTTONWOOD	30	0	0	0	0	30
ELM	3349	161	0	0	0	3510
HICKORY	20	0	0	0	0	20
HARD MAPLE	4268	631	0	0	0	4899
SOFT MAPLE	1622	36	0	0	0	1658
RED OAK	7959	13	0	0	0	7972
WHITE OAK	1160	0	0	0	0	1160
WALNUT	0	0	0	0	0	0
OTHER SPP.	11	0	0	0	0	11
TOTAL HWDS	52710	1281	0	0	0	53991
ALL SPECIES	60073	1419	344	0	0	61836

CENTRAL UNIT

SOFTWOODS:						
BALSAM FIR	0	0	0	0	0	0
CEDAR	39	0	0	0	0	39
HEMLOCK	363	0	0	0	0	363
JACK PINE	1038	0	0	0	0	1038
RED PINE	637	0	0	0	0	637
WHITE PINE	4368	0	0	0	0	4368
SPRUCE	11	0	0	0	0	11
TAMARACK	42	0	0	0	0	42
TOTAL SWDS	6498	0	0	0	0	6498
HARDWOODS:						
ASH	2546	0	0	0	0	2546
ASPEN	9014	0	0	0	0	9014
BAL.POPLAR	5	0	0	0	0	5
BASSWOOD	4444	0	0	0	0	4444
BEECH	525	0	0	0	0	525
WH. BIRCH	1152	0	0	0	0	1152
YEL.BIRCH	727	0	0	0	0	727
COTTONWOOD	134	0	0	0	0	134
ELM	14548	0	0	0	0	14548
HICKORY	269	0	0	0	0	269
HARD MAPLE	5614	0	0	0	0	5614
SOFT MAPLE	5470	0	0	0	0	5470
RED OAK	21825	0	0	0	0	21825
WHITE OAK	4526	0	0	0	0	4526
WALNUT	3	0	0	0	0	3
OTHER SPP.	387	0	0	0	0	387
TOTAL HWDS	71189	0	0	0	0	71189
ALL SPECIES	77687	0	0	0	0	77687

(TABLE 17 CONTINUED ON NEXT PAGE)

(TABLE 17 CONTINUED)

SOUTHWEST UNIT

SPECIES	WISCONSIN	MICHIGAN	MINNESOTA	IOWA	OTHER STATES	TOTAL
SOFTWOODS:						
BALSAM FIR	0	0	0	0	0	0
CEDAR	0	0	0	0	0	0
HEMLOCK	0	0	0	0	0	0
JACK PINE	0	0	0	0	0	0
RED PINE	73	0	0	0	0	73
WHITE PINE	513	0	0	0	0	513
SPRUCE	0	0	0	0	0	0
TAMARACK	0	0	0	0	0	0
TOTAL SWDS	586	0	0	0	0	586
HARDWOODS:						
ASH	943	0	1	21	0	965
ASPEN	1464	0	31	0	0	1495
BAL.POPLAR	0	0	0	0	0	0
BASSWOOD	4679	0	9	62	6	4756
BEECH	0	0	0	0	0	0
WH. BIRCH	183	0	0	0	0	183
YEL.BIRCH	10	0	0	0	0	10
COTTONWOOD	765	0	10	10	0	785
ELM	4543	0	0	2	12	4607
HICKORY	527	0	0	3	0	530
HARD MAPLE	4975	0	0	62	6	5043
SOFT MAPLE	2033	0	0	0	7	2040
RED OAK	40788	0	104	187	100	41179
WHITE OAK	9479	0	0	104	70	9653
WALNUT	137	0	0	416	381	934
OTHER SPP.	375	0	0	6	0	381
TOTAL HWDS	70901	0	155	923	582	72561
ALL SPECIES	71487	0	155	923	582	73147

SOUTHEAST UNIT

SPECIES	WISCONSIN	MICHIGAN	MINNESOTA	IOWA	OTHER STATES	TOTAL
SOFTWOODS:						
BALSAM FIR	1	0	0	0	0	1
CEDAR	245	0	0	0	0	245
HEMLOCK	114	0	0	0	0	114
JACK PINE	0	0	0	0	0	0
RED PINE	28	0	0	0	0	28
WHITE PINE	1303	0	0	0	0	1303
SPRUCE	0	0	0	0	0	0
TAMARACK	13	0	0	0	0	13
TOTAL SWDS	1704	0	0	0	0	1704
HARDWOODS:						
ASH	1476	0	0	0	0	1476
ASPEN	555	0	0	0	0	555
BAL.POPLAR	121	0	0	0	0	121
BASSWOOD	1363	0	0	0	0	1363
BEECH	551	0	0	0	0	551
WH. BIRCH	230	0	0	0	0	230
YEL.BIRCH	23	0	0	0	0	23
COTTONWOOD	562	0	0	0	0	562
ELM	7495	0	0	0	0	7495
HICKORY	434	0	0	0	0	434
HARD MAPLE	1915	0	0	0	0	1915
SOFT MAPLE	2621	0	0	0	0	2621
RED OAK	5455	0	0	0	0	5455
WHITE OAK	2245	0	0	0	0	2245
WALNUT	87	0	0	19	257	363
OTHER SPP.	111	0	0	0	0	111
TOTAL HWDS	25244	0	0	19	257	25520
ALL SPECIES	26948	0	0	19	257	27224

Table 18.--*Saw log production by unit, county, and species, Wisconsin, 1973*

(In thousand board feet, International ¼-inch rule)

UNIT AND COUNTY	BALSAM FIR	CEDAR	HEMLOCK	JACK PINE	RED PINE	WHITE PINE	SPRUCE	TAMARACK	ASH	ASPEN	BALSAM POPLAR	BASSWOOD	BEECH	WHITE BIRCH
NORTHEASTERN														
FLORENCE	0	3	442	0	79	397	30	0	74	1037	0	643	4	63
FOREST	10	185	2468	200	812	1912	48	0	312	7986	0	1503	30	288
LANGLADE	23	51	145	0	47	92	34	0	278	436	0	833	72	128
LINCOLN	5	5	94	5	196	331	2	1	388	1004	0	770	0	415
MARINETTE	34	89	151	181	697	1436	6	0	226	5294	209	117	148	385
OCONTO	0	15	61	3	455	504	0	0	150	4587	18	267	100	197
ONEIDA	27	35	156	435	1548	1699	0	0	19	10321	0	140	0	739
SHAWANO	0	125	2754	12	38	4411	11	12	659	1615	22	2503	596	527
VILAS	20	3	99	450	1552	2330	42	0	3	4633	0	69	3	590
UNIT TOTAL	119	511	6370	1286	5424	13112	173	13	2109	36913	249	6845	953	3332
NORTHWESTERN														
ASHLAND	115	50	9	29	300	320	28	0	92	3023	0	442	0	132
BARRON	0	0	0	3	77	405	0	0	56	571	0	289	0	17
BAYFIELD	9	4	0	148	575	1195	2	0	27	3990	0	133	0	570
BURNETT	0	0	0	182	122	227	0	0	33	170	0	76	0	4
DOUGLAS	194	0	0	0	113	150	10	0	0	797	0	0	0	0
IRON	5	35	60	0	200	212	25	0	45	252	0	199	0	45
POLK	0	0	0	0	48	383	0	1	101	362	0	278	0	51
PRICE	1	0	0	6	38	194	10	0	467	4300	7	269	0	471
RUSK	0	0	10	5	34	241	0	0	281	3488	0	392	0	277
SAWYER	0	0	14	9	449	755	0	0	219	5398	0	352	0	129
TAYLOR	4	0	91	4	7	71	0	0	252	1178	0	538	0	137
WASHBURN	0	0	0	235	256	175	0	0	0	2833	0	882	0	67
UNIT TOTAL	328	89	184	621	2219	4328	75	1	1573	26362	7	3850	0	1900
CENTRAL														
ADAMS	0	0	0	7	9	76	0	0	18	131	0	19	0	28
CHIPPEWA	0	0	0	0	11	357	0	0	145	2850	0	1053	0	134
CLARK	0	0	10	40	25	529	0	0	226	1116	0	510	0	84
EAU CLAIR	0	0	0	2	0	150	0	0	39	104	0	82	0	6
JACKSON	0	0	0	441	96	356	0	0	79	1385	0	172	0	197
JUNEAU	0	0	0	134	111	204	0	0	148	629	0	67	0	72
MARATHON	0	17	229	34	29	371	11	30	1003	970	0	1364	187	343
MARQUETTE	0	0	0	0	7	42	0	0	12	45	0	6	0	11
MONROE	0	0	0	5	31	70	0	0	49	415	0	127	0	24
PORTAGE	0	0	0	45	62	444	0	0	10	125	0	53	0	2
WAUPACA	0	0	110	0	89	1426	0	12	540	627	5	826	338	125
WAUSHARA	0	22	4	5	87	181	0	0	50	0	0	10	0	0
WOOD	0	0	10	325	80	162	0	0	227	617	0	155	0	126
UNIT TOTAL	0	39	363	1038	637	4368	11	42	2546	9014	5	4444	525	1152

TABLE 18 CONTINUED ON NEXT PAGE

TABLE 18 CONTINUED

UNIT AND COUNTY	BALSAM FIR	CEDAR	HEMLOCK	JACK PINE	RED PINE	WHITE PINE	SPRUCE	TAMARACK	ASH	ASPEN	BALSAM POPLAR	BASSWOOD	BEECH	WHITE BIRCH
SOUTHWESTERN														
BUFFALO	0	0	0	0	0	9	0	0	11	183	0	164	0	23
CRAWFORD	0	0	0	0	0	0	0	0	81	60	0	269	0	2
DUNN	0	0	0	0	6	259	0	0	90	285	0	810	0	5
GRANT	0	0	0	0	3	14	0	0	20	81	0	155	0	0
IOWA	0	0	0	0	0	0	0	0	19	13	0	91	0	0
LACROSSE	0	0	0	0	2	22	0	0	55	108	0	323	0	34
LAFAYETTE	0	0	0	0	0	0	0	0	21	0	0	73	0	0
PEPIN	0	0	0	0	0	8	0	0	60	73	0	331	0	11
PIERCE	0	0	0	0	0	40	0	0	115	100	0	708	0	15
RICHLAND	0	0	0	0	0	39	0	0	133	46	0	533	0	0
ST.CROIX	0	0	0	0	7	63	0	0	50	22	0	222	0	10
SAUK	0	0	0	0	0	14	0	0	133	223	0	230	0	26
TREMPEALEU	0	0	0	0	55	42	0	0	40	133	0	218	0	26
VERNON	0	0	0	0	0	3	0	0	137	168	0	629	0	31
UNIT TOTAL	0	0	0	0	73	513	0	0	965	1495	0	4756	0	183
SOUTHEASTERN														
BROWN	0	35	28	0	3	219	0	0	154	69	22	206	124	39
CALUMET	0	3	2	0	0	8	0	0	65	34	0	59	17	2
COLUMBIA	0	0	0	0	6	103	0	0	63	91	0	39	0	7
DANE	0	0	0	0	0	0	0	0	45	8	0	16	0	0
DODGE	0	0	0	0	0	0	0	0	34	0	0	29	0	0
DOOR	1	143	24	0	14	114	0	6	34	98	61	81	28	61
FOND DULAC	0	0	0	0	0	0	0	0	18	1	0	25	0	0
GREEN	0	0	0	0	0	0	0	0	1	2	0	2	0	0
GREEN LAKE	0	0	0	0	0	2	0	0	0	0	0	0	0	0
JEFFERSON	0	0	0	0	0	0	0	0	0	0	0	4	0	0
KEWAUNEE	0	16	12	0	0	15	0	0	58	22	22	83	59	29
MANITOWOC	0	38	40	0	0	195	0	7	227	157	0	210	216	69
MILWAUKEE	0	0	0	0	0	0	0	0	5	0	0	0	0	0
OUTAGAMIE	0	5	2	0	0	335	0	0	176	60	16	165	50	22
OZAUKEE	0	2	0	0	0	0	0	0	41	5	0	20	0	0
RACINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHEBOYGAN	0	0	0	0	0	42	0	0	166	1	0	67	34	0
WALWORTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	0	3	0	0	0	0	0	0	314	0	0	318	0	0
WAUKESHA	0	0	0	0	0	0	0	0	54	0	0	0	0	0
WINNEBAGO	0	0	6	0	5	270	0	0	21	7	0	39	23	1
UNIT TOTAL	1	245	114	0	28	1303	0	13	1476	555	121	1363	551	230
STATE TOTAL	448	884	7031	2945	8381	23624	259	69	8669	74339	382	21258	2029	6797

TABLE 18 CONTINUED ON NEXT PAGE

TABLE 18 CONTINUED

UNIT AND COUNTY	YELLOW BIRCH	COTTON-WOOD	ELM	HICKORY	HARD MAPLE	SOFT MAPLE	RED OAK	WHITE OAK	WALNUT	OTHER HARD-WOODS	ALL SPECIES
NORTHEASTERN											
FLORENCE	246	0	869	0	2823	76	93	0	0	16	6895
FOREST	722	0	1721	0	4847	384	282	0	0	32	23742
LANGLADE	200	0	3960	26	3723	393	505	70	0	44	11060
LINCOLN	384	0	2364	11	1288	565	1005	16	0	33	8882
MARINETTE	21	8	1839	0	540	595	1593	330	0	0	13899
OCONTO	41	47	2153	0	774	455	1184	255	0	6	11272
ONEIDA	1107	12	383	0	889	1150	473	0	0	0	19133
SHAWANO	912	8	14545	105	6267	1968	2877	272	0	109	40348
VILAS	412	12	70	0	494	401	226	0	0	9	11418
UNIT TOTAL	4045	87	27904	142	21645	5987	8238	943	0	249	146649
NORTHWESTERN											
ASHLAND	209	0	186	0	505	132	389	63	0	0	6024
BARRON	1	16	292	0	260	70	1201	151	0	0	3409
BAYFIELD	5	0	17	0	162	0	39	1	0	0	6877
BURNETT	0	0	74	0	64	7	1614	106	0	7	2686
DOUGLAS	0	0	0	0	0	0	54	60	0	0	1378
IRON	169	0	122	0	453	31	98	0	0	0	1951
POLK	0	14	324	16	373	109	1532	372	0	3	3967
PRICE	222	0	604	4	797	493	332	64	0	0	8279
RUSK	251	0	590	0	727	307	684	205	0	1	7493
SAWYER	97	0	287	0	936	84	505	34	0	0	9268
TAYLOR	84	0	1003	0	580	425	369	58	0	0	4801
WASHBURN	1	0	11	0	42	0	1155	46	0	0	5703
UNIT TOTAL	1039	30	3510	20	4899	1658	7972	1160	0	11	61836
CENTRAL											
ADAMS	0	0	30	3	19	48	928	186	0	0	1502
CHIPPEWA	38	0	978	0	571	506	1773	119	0	14	8549
CLARK	39	15	1510	40	505	631	1345	287	0	0	6912
EAU CLAIR	8	0	86	0	87	66	619	172	0	12	1433
JACKSON	80	30	800	1	270	600	3249	562	0	134	8452
JUNEAU	0	0	128	71	97	265	2187	721	0	0	4834
MARATHON	398	0	7509	70	2483	1266	2545	378	0	109	19346
MARQUETTE	0	15	16	28	8	35	1188	315	3	0	1731
MONROE	20	4	325	48	306	414	2625	525	0	0	4988
PORTAGE	2	70	182	1	152	202	790	245	0	0	2385
WAUPACA	127	0	2399	7	774	939	2264	544	0	118	11270
WAUSHARA	0	0	268	0	21	90	1247	241	0	0	2226
WOOD	15	0	317	0	321	408	1065	231	0	0	4059
UNIT TOTAL	727	134	14548	269	5614	5470	21825	4526	3	387	77687

TABLE 18 CONTINUED ON NEXT PAGE

TABLE 18 CONTINUED

UNIT AND COUNTY	YELLOW BIRCH	COTTON-WOOD	ELM	HICKORY	HARD MAPLE	SOFT MAPLE	RED OAK	WHITE OAK	WALNUT	OTHER HARD-WOODS	ALL SPECIES
SOUTHWESTERN											
BUFFALO	0	144	185	15	30	123	6057	735	2	23	7704
CRAWFORD	0	55	277	27	254	66	2634	1021	200	23	4969
DUNN	0	29	587	15	696	111	2561	246	0	30	5730
GRANT	0	77	200	12	174	40	1451	819	359	22	3427
IOWA	0	3	95	2	122	40	596	425	105	3	1514
LACROSSE	0	55	493	42	187	273	3282	651	193	149	5869
LAFAYETTE	0	10	56	3	62	0	244	125	75	1	670
PEPIN	0	26	305	15	305	85	541	66	0	37	1863
PIERCE	10	270	627	35	670	130	669	86	0	25	3500
RICHLAND	0	6	293	80	847	135	2537	1048	0	5	5702
ST.CROIX	0	10	258	10	195	18	244	57	0	5	1171
SAUK	0	13	258	137	292	638	4907	1363	0	3	8237
TREMPEALEU	0	45	253	51	72	127	8500	1381	0	30	10973
VERNON	0	42	720	86	1137	254	6956	1630	0	25	11818
UNIT TOTAL	10	785	4607	530	5043	2040	41179	9653	934	381	73147
SOUTHEASTERN											
BROWN	0	311	1483	0	213	539	192	113	0	6	3756
CALUMET	0	19	431	0	62	192	46	122	1	2	1055
COLUMBIA	0	41	118	41	55	151	1635	492	33	20	2895
DANE	0	42	151	4	38	50	604	206	45	17	1226
DODGE	0	20	95	325	38	27	424	360	10	18	1380
DOOR	11	22	238	0	162	27	65	16	0	1	1207
FOND DULAC	0	5	168	54	27	24	94	75	0	10	501
GREEN	0	0	23	1	0	5	144	60	270	0	508
GREEN LAKE	0	0	0	0	0	0	108	7	0	0	117
JEFFERSON	0	0	66	0	41	0	102	55	0	0	268
KEWAUNEE	11	27	716	0	166	270	162	108	0	10	1786
MANITOWOC	1	30	1399	0	307	637	199	150	0	4	3886
MILWAUKEE	0	0	0	0	5	0	2	3	1	0	16
OUTAGAMIE	0	38	1552	0	61	451	563	270	0	0	3766
OZAUKEE	0	0	32	0	22	0	26	2	0	0	150
RACINE	0	0	30	0	0	0	60	60	0	0	150
ROCK	0	0	38	0	0	0	30	7	0	0	75
SHEBOYGAN	0	0	257	1	194	83	325	69	0	19	1258
WALWORTH	0	0	0	0	0	0	5	5	0	0	10
WASHINGTON	0	5	335	0	417	0	363	9	0	3	1767
WAUKESHA	0	0	5	0	60	28	89	11	3	0	250
WINNEBAGO	0	2	358	8	47	147	217	45	0	1	1197
UNIT TOTAL	23	562	7495	434	1915	2621	5455	2245	363	111	27224
STATE TOTAL	5844	1598	58064	1395	39116	17776	84669	18527	1300	1139	386543

Table 19.--*Saw log receipts in Wisconsin by unit, species, and State of origin, 1973*

(In thousand board feet, International ¼-inch rule)

ALL UNITS

SPECIES	ALL STATES	WISCONSIN	MICHIGAN	MINNESOTA	IOWA	CANADA
SOFTWOODS:						
BALSAM FIR	1890	448	2	1440	0	0
CEDAR	879	879	0	0	0	0
HEMLOCK	7095	7015	80	0	0	0
JACK PINE	4295	2945	1020	330	0	0
RED PINE	10391	8332	1814	245	0	0
WHITE PINE	26212	23215	2712	285	0	0
SPRUCE	303	250	53	0	0	0
TAMARACK	69	69	0	0	0	0
TOTAL SOFTWOODS	51134	43153	5681	2300	0	0
HARDWOODS:						
ASH	8654	8597	41	10	6	0
ASPEN	82192	74301	7667	221	3	0
BALSAM POPLAR	461	382	79	0	0	0
BASSWOOD	21935	20962	365	575	31	2
BEECH	2066	2029	37	0	0	0
WHITE BIRCH	7950	6793	1150	7	0	0
YELLOW BIRCH	5930	5645	285	0	0	0
COTTONWOOD	1710	1578	0	126	6	0
ELM	58687	57837	722	102	26	0
HICKORY	1396	1392	0	1	3	0
HARD MAPLE	40017	38390	1608	10	9	0
SOFT MAPLE	17982	17730	146	100	6	0
RED OAK	87894	84264	95	3080	455	0
WHITE OAK	18684	18353	0	260	71	0
WALNUT	402	227	0	63	112	0
OTHER SPECIES	1197	1133	51	10	3	0
TOTAL HARDWOODS	357157	339613	12246	4565	731	2
ALL SPECIES	408291	382766	17927	6865	731	2

(TABLE 19 CONTINUED BELOW)

(TABLE 19 CONTINUED)

NORTHEASTERN UNIT

SPECIES	ALL STATES	WISCONSIN	MICHIGAN	IOWA	CANADA
SOFTWOODS:					
BALSAM FIR	127	125	2	0	0
CEDAR	535	535	0	0	0
HEMLOCK	6571	6491	80	0	0
JACK PINE	2294	1274	1020	0	0
RED PINE	7253	5439	1814	0	0
WHITE PINE	15028	12316	2712	0	0
SPRUCE	263	210	53	0	0
TAMARACK	13	13	0	0	0
TOTAL SOFTWOODS	32084	26403	5681	0	0
HARDWOODS:					
ASH	2366	2325	41	0	0
ASPEN	44753	37086	7667	0	0
BALSAM POPLAR	327	248	79	0	0
BASSWOOD	8375	7992	365	16	2
BEECH	1293	1256	37	0	0
WHITE BIRCH	4873	3723	1150	0	0
YELLOW BIRCH	4618	4333	285	0	0
COTTONWOOD	54	54	0	0	0
ELM	30485	29763	722	0	0
HICKORY	200	200	0	0	0
HARD MAPLE	25091	23483	1608	0	0
SOFT MAPLE	6014	5868	146	0	0
RED OAK	9269	9174	95	0	0
WHITE OAK	1392	1392	0	0	0
OTHER SPECIES	502	451	51	0	0
TOTAL HARDWOODS	139612	127348	12246	16	2
ALL SPECIES	171696	153751	17927	16	2

(TABLE 19 CONTINUED ON NEXT PAGE)

(TABLE 19 CONTINUED) NORTHWESTERN UNIT

SPECIES	ALL STATES	WISCONSIN	MINNESOTA
SOFTWOODS:			
BALSAM FIR	1762	322	1440
CEDAR	54	54	0
HEMLOCK	64	64	0
JACK PINE	921	591	330
RED PINE	2212	1967	245
WHITE PINE	3978	3693	285
SPRUCE	40	40	0
TAMARACK	1	1	0
TOTAL SOFTWOODS	9032	6732	2300
HARDWOODS:			
ASH	1303	1303	0
ASPEN	24508	24328	180
BALSAM POPLAR	7	7	0
BASSWOOD	2745	2745	0
WHITE BIRCH	1736	1736	0
YELLOW BIRCH	773	773	0
COTTONWOOD	30	30	0
ELM	3200	3200	0
HICKORY	20	20	0
HARD MAPLE	3722	3722	0
SOFT MAPLE	1655	1655	0
RED OAK	7459	7459	0
WHITE OAK	1234	1234	0
OTHER SPECIES	10	10	0
TOTAL HARDWOODS	48402	48222	180
ALL SPECIES	57434	54954	2480

(TABLE 19 CONTINUED BELOW)

(TABLE 19 CONTINUED) CENTRAL UNIT

SPECIES	ALL STATES	WISCONSIN	IOWA	MINNESOTA
SOFTWOODS:				
CEDAR	23	23	0	0
HEMLOCK	275	275	0	0
JACK PINE	1068	1068	0	0
RED PINE	733	733	0	0
WHITE PINE	4402	4402	0	0
TAMARACK	42	42	0	0
TOTAL SOFTWOODS	6543	6543	0	0
HARDWOODS:				
ASH	2315	2315	0	0
ASPEN	10583	10583	0	0
BASSWOOD	4011	4011	0	0
BEECH	128	128	0	0
WHITE BIRCH	924	924	0	0
YELLOW BIRCH	479	479	0	0
COTTONWOOD	93	93	0	0
ELM	12524	12524	0	0
HICKORY	281	281	0	0
HARD MAPLE	4441	4441	0	0
SOFT MAPLE	5611	5611	0	0
RED OAK	25751	25751	0	0
WHITE OAK	4857	4857	0	0
WALNUT	210	79	68	63
OTHER SPECIES	373	373	0	0
TOTAL HARDWOODS	72581	72450	68	63
ALL SPECIES	79124	78993	68	63

(TABLE 19 CONTINUED ON NEXT PAGE)

(TABLE 19 CONTINUED) SOUTHWESTERN UNIT

SPECIES	ALL STATES	WISCONSIN	MINNESOTA	IOWA
SOFTWOODS:				
RED PINE	10	10	0	0
WHITE PINE	392	392	0	0
TOTAL SOFTWOODS	402	402	0	0
HARDWOODS:				
ASH	885	869	10	6
ASPEN	1442	1398	41	3
BASSWOOD	5030	4440	575	15
WHITE BIRCH	173	166	7	0
YELLOW BIRCH	10	10	0	0
COTTONWOOD	930	798	126	6
ELM	4014	3886	102	26
HICKORY	439	435	1	3
HARD MAPLE	4589	4570	10	9
SOFT MAPLE	1738	1632	100	6
RED OAK	40876	37341	3080	455
WHITE OAK	8948	8617	260	71
WALNUT	102	58	0	44
OTHER SPECIES	195	182	10	3
TOTAL HARDWOODS	69371	64402	4322	647
ALL SPECIES	69773	64804	4322	647

(TABLE 19 CONTINUED BELOW)

(TABLE 19 CONTINUED) SOUTHEASTERN UNIT

SPECIES	ALL STATES	WISCONSIN
SOFTWOODS:		
BALSAM FIR	1	1
CEDAR	267	267
HEMLOCK	185	185
JACK PINE	12	12
RED PINE	183	183
WHITE PINE	2412	2412
TAMARACK	13	13
TOTAL SOFTWOODS	3073	3073
HARDWOODS:		
ASH	1785	1785
ASPEN	906	906
BALSAM POPLAR	127	127
BASSWOOD	1774	1774
BEECH	645	645
WHITE BIRCH	244	244
YELLOW BIRCH	50	50
COTTONWOOD	603	603
ELM	8464	8464
HICKORY	456	456
HARD MAPLE	2174	2174
SOFT MAPLE	2964	2964
RED OAK	4539	4539
WHITE OAK	2253	2253
WALNUT	90	90
OTHER SPECIES	117	117
TOTAL HARDWOODS	27191	27191
ALL SPECIES	30264	30264

Table 20.--*Veneer log production in Wisconsin for selected years, 1946-1973*
(In thousand board feet, International ¼-inch rule)

Year	Standard veneer logs[1/]	Container veneer logs	Total
1946	21,655	7,612	29,267
1948	23,184	8,842	32,026
1950	20,820	5,832	26,652
1952	21,764	8,192	29,956
1954	19,463	7,646	27,109
1956	23,917	6,486	30,403
1958	18,265	5,475	23,740
1960	22,417	3,050	25,467
1962	19,570	2,349	21,919
1963	22,552	2,651	25,203
1965	21,279	2,503	23,782
1966	21,089	1,778	22,867
1968	19,794	1,243	21,037
1970	14,157	1,657	15,814
1972	17,990	1,475	19,465
1973	30,820	1,404	2/32,224

1/ Face, core, and specialty veneer logs.
2/ Includes Wisconsin veneer logs received at Iron Wood Products Co.; such receipts are not shown for previous years.

Table 21.--*Veneer log receipts in Wisconsin for selected years, 1946-1973*
(In thousand board feet, International ¼-inch rule)

Year	Standard veneer logs[1/]	Container veneer logs	Total
1946	52,485	15,631	68,116
1948	56,087	15,704	71,791
1950	49,269	13,666	62,935
1952	43,634	15,866	59,500
1954	43,870	15,703	59,573
1956	53,234	13,715	66,949
1958	36,772	6,291	43,063
1960	46,903	4,395	51,298
1962	33,971	3,546	37,517
1963	38,145	3,773	41,918
1965	39,468	3,636	43,104
1966	39,498	2,664	42,162
1968	35,572	1,999	37,571
1970	27,368	2,528	29,896
1972	34,140	2,351	36,491
1973	35,279	2,525	37,804

1/ Includes face, core, and specialty veneer logs.

Table 22.--*Veneer log receipts in Wisconsin by area of origin for selected years, 1946-1973*
(In thousand board feet, International ¼-inch rule)

Year	State or country of origin					Total receipts
	Wisconsin	Michigan	Minnesota	Other states	Canada	
1946	28,813	33,834	1,139	919	3,411	68,116
1948	31,553	27,052	4,811	1,066	1/7,309	71,791
1950	26,198	19,917	4,919	924	1/10,977	62,935
1952	28,899	15,775	5,826	1,516	7,484	59,500
1954	26,527	15,537	7,962	3,286	6,261	59,573
1956	30,298	18,932	7,221	3,405	7,093	66,949
1958	23,488	8,078	7,027	916	3,554	43,063
1960	24,249	8,659	8,380	5,207	4,803	51,298
1962	18,846	4,950	6,177	2,777	4,767	37,517
1963	23,788	5,918	6,148	1,726	4,338	41,918
1965	22,547	8,044	6,111	1,621	4,781	43,104
1966	20,458	8,265	5,207	2,642	5,590	42,162
1968	18,853	8,001	3,518	2,679	4,520	37,571
1970	15,148	7,347	2,951	1,747	2,703	29,896
1972	18,172	10,893	3,457	1,552	2,417	36,491
1973	19,643	10,922	4,083	1,950	1,206	37,804

1/ Includes nominal quantity from other countries.

Table 23.--*Veneer log production and receipts by species in Wisconsin, 1966 and 1973*
(In thousand board feet, International ¼-inch rule)

Species	Production			Receipts		
	1966	1973	Change	1966	1973	Change
White pine	69	45	- 24	146	45	-101
Ash	594	355	-239	822	463	-359
Aspen	358	11,538	11,180	484	445	- 39
Balsam poplar	23	21	- 2	23	21	- 2
Basswood	2,072	1,149	-923	3,775	2,140	-1,635
Beech	65	41	- 24	149	581	432
White birch	207	195	- 12	570	769	199
Yellow birch	1,893	843	-1,050	9,595	3,415	-6,180
Cottonwood	122	54	- 68	1,782	1,109	-673
Elm	3,090	4,890	1,800	4,443	5,999	1,556
Hard maple	3,951	4,090	139	8,969	11,442	2,473
Soft maple	1,129	654	-475	1,618	1,000	-618
Red oak	7,234	7,312	78	9,298	10,195	897
White oak	191	118	- 73	188	80	-108
Walnut	765	667	- 98	33	--	- 33
Other species	1,104	252	-852	267	100	-167
All species	22,867	32,224	9,357	42,162	37,804	-4,358

Table 24.--*Veneer log production by species and State of destination, Wisconsin, 1973*
(In thousand board feet, International ¼-inch rule)

SPECIES	DESTINATION: WISCONSIN	MICHIGAN	IOWA	INDIANA	MISSOURI	KENTUCKY	OTHER STATES	TOTAL
SOFTWOODS:								
BALSAM FIR	0	0	0	0	0	0	0	0
CEDAR	0	0	0	0	0	0	0	0
HEMLOCK	0	0	0	0	0	0	0	0
JACK PINE	0	0	0	0	0	0	0	0
RED PINE	0	0	0	0	0	0	0	0
WHITE PINE	45	0	0	0	0	0	0	45
SPRUCE	0	0	0	0	0	0	0	0
TAMARACK	0	0	0	0	0	0	0	0
TOTAL SWDS	45	0	0	0	0	0	0	45
HARDWOODS:								
ASH	355	0	0	0	0	0	0	355
ASPEN	210	11328	0	0	0	0	0	11538
BAL.POPLAR	21	0	0	0	0	0	0	21
BASSWOOD	1149	0	0	0	0	0	0	1149
BEECH	41	0	0	0	0	0	0	41
WH. BIRCH	195	0	0	0	0	0	0	195
YEL.BIRCH	779	64	0	0	0	0	0	843
COTTONWOOD	54	0	0	0	0	0	0	54
ELM	4810	0	5	75	0	0	0	4890
HICKORY	0	0	0	0	0	0	0	0
HARD MAPLE	4090	0	0	0	0	0	0	4090
SOFT MAPLE	654	0	0	0	0	0	0	654
RED OAK	7129	0	0	121	0	62	0	7312
WHITE OAK	70	0	0	0	0	48	0	118
WALNUT	0	0	302	297	45	23	0	667
OTHER SPP.	41	0	7	204	0	0	0	252
TOTAL HWDS	19598	11392	314	697	45	133	0	32179
ALL SPECIES	19643	11392	314	697	45	133	0	32224

Table 25.--*Veneer log receipts in Wisconsin by species and area of origin, 1973*
(In thousand board feet, International ¼-inch rule)

SPECIES	ALL STATES	WISCONSIN	MICHIGAN	MINNESOTA	IOWA	CANADA	ILLINOIS
SOFTWOODS:							
WHITE PINE	45	45	0	0	0	0	0
TOTAL SOFTWOODS	45	45	0	0	0	0	0
HARDWOODS:							
ASH	463	355	69	10	29	0	0
ASPEN	445	210	225	10	0	0	0
BALSAM POPLAR	21	21	0	0	0	0	0
BASSWOOD	2140	1149	347	504	136	0	4
BEECH	581	41	540	0	0	0	0
WHITE BIRCH	769	195	317	202	0	55	0
YELLOW BIRCH	3415	779	2416	2	218	0	0
COTTONWOOD	1109	54	0	1011	44	0	0
ELM	5999	4810	841	317	31	0	0
HARD MAPLE	11442	4090	5445	467	316	1124	0
SOFT MAPLE	1000	654	186	83	77	0	0
RED OAK	10195	7129	481	1468	1088	27	2
WHITE OAK	80	70	1	9	0	0	0
OTHER SPECIES	100	41	54	0	5	0	0
TOTAL HARDWOODS	37759	19598	10922	4083	1944	1206	6
ALL SPECIES	37804	19643	10922	4083	1944	1206	6

Table 26.--*Veneer log production by unit, county, and species, Wisconsin, 1973*

(In thousand board feet, International ¼-inch rule)

UNIT AND COUNTY	BALSAM FIR	CEDAR	HEMLOCK	JACK PINE	RED PINE	WHITE PINE	SPRUCE	TAMARACK	ASH	ASPEN	BALSAM POPLAR	BASSWOOD	BEECH	WHITE BIRCH
NORTHEASTERN														
FLORENCE	0	0	0	0	0	0	0	0	23	0	0	0	0	4
FOREST	0	0	0	0	0	45	0	0	3	0	0	39	0	0
LANGLADE	0	0	0	0	0	0	0	0	11	3	0	55	0	2
LINCOLN	0	0	0	0	0	0	0	0	3	3	0	0	0	2
MARINETTE	0	0	0	0	0	0	0	0	10	7	0	14	12	7
OCONTO	0	0	0	0	0	0	0	0	6	25	0	51	2	8
ONEIDA	0	0	0	0	0	0	0	0	3	3	0	0	0	21
SHAWANO	0	0	0	0	0	0	0	0	97	12	21	372	21	27
VILAS	0	0	0	0	0	0	0	0	2	427	0	0	0	49
UNIT TOTAL	0	0	0	0	0	45	0	0	158	480	21	531	35	120
NORTHWESTERN														
ASHLAND	0	0	0	0	0	0	0	0	4	2793	0	0	0	7
BARRON	0	0	0	0	0	0	0	0	7	12	0	19	0	2
BAYFIELD	0	0	0	0	0	0	0	0	4	228	0	0	0	7
BURNETT	0	0	0	0	0	0	0	0	0	0	0	9	0	0
DOUGLAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRON	0	0	0	0	0	0	0	0	4	7922	0	0	0	7
POLK	0	0	0	0	0	0	0	0	7	12	0	12	0	5
PRICE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSK	0	0	0	0	0	0	0	0	0	10	0	0	0	5
SAWYER	0	0	0	0	0	0	0	0	0	0	0	0	0	5
TAYLOR	0	0	0	0	0	0	0	0	0	8	0	0	0	0
WASHBURN	0	0	0	0	0	0	0	0	1	0	0	5	0	5
UNIT TOTAL	0	0	0	0	0	0	0	0	27	10985	0	45	0	43
CENTRAL														
ADAMS	0	0	0	0	0	0	0	0	5	0	0	0	0	1
CHIPPEWA	0	0	0	0	0	0	0	0	7	12	0	10	0	2
CLARK	0	0	0	0	0	0	0	0	5	6	0	3	0	1
EAU CLAIR	0	0	0	0	0	0	0	0	7	2	0	0	0	2
JACKSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JUNEAU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARATHON	0	0	0	0	0	0	0	0	7	3	0	62	0	1
MARQUETTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONROE	0	0	0	0	0	0	0	0	0	0	0	51	0	0
PORTAGE	0	0	0	0	0	0	0	0	5	0	0	2	0	1
WAUPACA	0	0	0	0	0	0	0	0	15	1	0	48	1	1
WAUSHARA	0	0	0	0	0	0	0	0	1	0	0	2	0	0
WOOD	0	0	0	0	0	0	0	0	5	10	0	4	0	1
UNIT TOTAL	0	0	0	0	0	0	0	0	57	34	0	182	1	10

TABLE 26 CONTINUED ON NEXT PAGE

TABLE 26 CONTINUED

UNIT AND COUNTY	BALSAM FIR	CEDAR	HEMLOCK	JACK PINE	RED PINE	WHITE PINE	SPRUCE	TAMARACK	ASH	ASPEN	BALSAM POPLAR	BASSWOOD	BEECH	WHITE BIRCH
SOUTHWESTERN														
BUFFALO	0	0	0	0	0	0	0	0	7	2	0	0	0	2
CRAWFORD	0	0	0	0	0	0	0	0	4	2	0	9	0	1
DUNN	0	0	0	0	0	0	0	0	11	11	0	94	0	2
GRANT	0	0	0	0	0	0	0	0	4	2	0	0	0	1
IOWA	0	0	0	0	0	0	0	0	21	2	0	85	0	1
LACROSSE	0	0	0	0	0	0	0	0	7	2	0	0	0	2
LAFAYETTE	0	0	0	0	0	0	0	0	4	2	0	0	0	1
PEPIN	0	0	0	0	0	0	0	0	7	2	0	0	0	2
PIERCE	0	0	0	0	0	0	0	0	7	2	0	0	0	2
RICHLAND	0	0	0	0	0	0	0	0	6	2	0	57	0	1
ST.CROIX	0	0	0	0	0	0	0	0	7	2	0	10	0	2
SAUK	0	0	0	0	0	0	0	0	6	2	0	11	0	1
TREMPEALEU	0	0	0	0	0	0	0	0	7	2	0	1	0	2
VERNON	0	0	0	0	0	0	0	0	4	2	0	31	0	1
UNIT TOTAL	0	0	0	0	0	0	0	0	102	37	0	298	0	21
SOUTHEASTERN														
BROWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALUMET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLUMBIA	0	0	0	0	0	0	0	0	4	2	0	0	0	1
DANE	0	0	0	0	0	0	0	0	0	0	0	8	0	0
DODGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOND DULAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GREEN	0	0	0	0	0	0	0	0	7	0	0	20	0	0
GREEN LAKE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JEFFERSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KEWAUNEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MANITOWOC	0	0	0	0	0	0	0	0	0	0	0	14	3	0
MILWAUKEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OUTAGAMIE	0	0	0	0	0	0	0	0	0	0	0	51	0	0
OZAUKEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RACINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHEBOYGAN	0	0	0	0	0	0	0	0	0	0	0	2	0	0
WALWORTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WAUKESHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINNEBAGO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIT TOTAL	0	0	0	0	0	0	0	0	11	2	0	93	5	1
STATE TOTAL	0	0	0	0	0	45	0	0	355	11538	21	1149	41	195

TABLE 26 CONTINUED ON NEXT PAGE

TABLE 26CONTINUED

UNIT AND COUNTY	YELLOW BIRCH	COTTON-WOOD	ELM	HICKORY	HARD MAPLE	SOFT MAPLE	RED OAK	WHITE OAK	WALNUT	OTHER HARD-WOODS	ALL SPECIES
NORTHEASTERN											
FLORENCE	0	0	1469	0	689	0	93	0	0	0	2278
FOREST	0	0	163	0	121	0	10	0	0	0	381
LANGLADE	71	0	195	0	169	3	34	0	0	0	543
LINCOLN	71	0	27	0	4	0	15	0	0	0	125
MARINETTE	77	0	58	0	50	10	35	1	0	0	281
OCONTO	73	0	99	0	59	66	128	2	0	0	519
ONEIDA	72	0	27	0	4	0	15	0	0	0	145
SHAWANO	74	0	777	0	871	132	429	32	0	13	2878
VILAS	19	0	0	0	0	0	0	0	0	0	497
UNIT TOTAL	457	0	2815	0	1967	211	759	35	0	13	7647
NORTHWESTERN											
ASHLAND	76	0	49	0	23	1	11	0	0	0	2964
BARRON	1	0	65	0	109	1	372	0	0	1	589
BAYFIELD	76	0	49	0	23	1	6	0	0	0	394
BURNETT	0	0	138	0	0	0	0	0	0	0	147
DOUGLAS	0	0	0	0	0	0	0	0	0	0	0
IRON	76	0	49	0	23	1	6	0	0	0	8088
POLK	22	0	64	0	242	1	541	0	0	1	907
PRICE	11	0	0	0	0	0	0	0	0	0	11
RUSK	21	0	37	0	239	0	95	0	0	0	407
SAWYER	21	0	0	0	239	0	22	0	0	0	287
TAYLOR	0	0	0	0	0	0	28	0	0	0	36
WASHBURN	21	0	3	0	256	3	330	0	0	0	624
UNIT TOTAL	325	0	454	0	1154	8	1411	0	0	2	14454
CENTRAL											
ADAMS	8	0	43	0	4	4	12	0	0	0	77
CHIPPEWA	1	0	66	0	3	1	213	0	0	1	316
CLARK	8	0	52	0	4	5	142	2	0	0	228
EAU CLAIR	1	0	27	0	3	1	117	0	0	1	161
JACKSON	0	0	0	0	0	24	41	0	0	0	65
JUNEAU	0	0	0	0	0	0	0	0	0	0	0
MARATHON	8	0	135	0	142	11	113	1	0	0	483
MARQUETTE	0	0	0	0	0	0	33	0	0	0	33
MONROE	0	0	89	0	0	18	41	0	0	0	199
PORTAGE	8	0	43	0	4	4	52	0	0	0	119
WAUPACA	12	0	81	0	92	70	141	23	0	1	486
WAUSHARA	0	0	0	0	0	1	3	4	0	0	11
WOOD	8	0	51	0	4	10	77	1	0	0	171
UNIT TOTAL	54	0	587	0	256	149	985	31	0	3	2349

TABLE 26CONTINUED ON NEXT PAGE

TABLE 26 CONTINUED

UNIT AND COUNTY	YELLOW BIRCH	COTTON-WOOD	ELM	HICKORY	HARD MAPLE	SOFT MAPLE	RED OAK	WHITE OAK	WALNUT	OTHER HARD-WOODS	ALL SPECIES
SOUTHWESTERN											
BUFFALO	1	22	45	0	3	1	156	0	55	22	316
CRAWFORD	0	0	12	0	12	2	196	0	88	53	379
DUNN	1	0	95	0	65	9	159	1	44	18	510
GRANT	0	0	17	0	61	2	155	0	199	27	468
IOWA	0	0	12	0	180	2	229	0	79	24	635
LACROSSE	1	0	51	0	3	91	359	2	15	12	545
LAFAYETTE	0	0	12	0	12	2	155	0	34	2	224
PEPIN	1	22	45	0	3	1	117	0	0	1	201
PIERCE	1	0	27	0	3	1	120	0	0	1	164
RICHLAND	0	0	43	0	93	83	755	0	0	16	1056
ST.CROIX	1	0	64	0	3	1	117	0	0	1	208
SAUK	0	0	14	0	97	55	644	2	52	20	904
TREMPEALEU	1	0	27	0	3	1	181	0	0	14	239
VERNON	0	0	12	0	12	2	351	0	51	21	487
UNIT TOTAL	7	44	476	0	550	253	3694	5	617	232	6336
SOUTHEASTERN											
BROWN	0	0	137	0	0	0	5	0	0	0	142
CALUMET	0	0	0	0	0	0	0	0	0	0	0
COLUMBIA	0	0	12	0	12	2	155	0	0	2	190
DANE	0	0	0	0	0	0	77	10	6	0	101
DODGE	0	0	0	0	0	0	0	0	0	0	0
DOOR	0	0	142	0	0	0	8	0	0	0	150
FOND DULAC	0	0	0	0	0	0	24	0	0	0	24
GREEN	0	0	2	0	0	0	37	25	38	0	129
GREEN LAKE	0	0	0	0	0	0	33	0	0	0	33
JEFFERSON	0	0	0	0	0	0	0	0	0	0	0
KEWAUNEE	0	0	4	0	20	0	4	0	0	0	28
MANITOWOC	0	6	143	0	20	3	30	0	0	0	219
MILWAUKEE	0	0	0	0	0	0	0	0	0	0	0
OUTAGAMIE	0	0	110	0	80	26	37	0	0	0	304
OZAUKEE	0	0	0	0	0	0	0	0	0	0	0
RACINE	0	0	0	0	0	0	0	0	0	0	0
ROCK	0	0	0	0	0	0	15	12	6	0	33
SHEBOYGAN	0	4	8	0	0	2	4	0	0	0	20
WALWORTH	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	0	0	0	0	31	0	33	0	0	0	64
WAUKESHA	0	0	0	0	0	0	1	0	0	0	1
WINNEBAGO	0	0	0	0	0	0	0	0	0	0	0
UNIT TOTAL	0	10	558	0	163	33	463	47	50	2	1438
STATE TOTAL	843	54	4890	0	4090	654	7312	118	667	252	32224

Table 27.--*Production of poles, piling, posts, and miscellaneous products*[1] *by unit, county, and species, Wisconsin, 1973*
(In thousand cubic feet)

Unit and county	Cedar	Jack pine	Red pine	Aspen	White birch	Elm	Red oak	White oak
Northeastern:								
Forest	5	--	--	--	--	--	--	--
Lincoln	--	--	4	158	--	--	--	--
Marinette	25	--	--	806	--	--	--	--
Oconto	5	--	--	230	--	--	--	--
Oneida	3	--	24	--	--	--	--	--
Shawano[2]	15	--	--	--	--	25	--	--
Vilas	--	--	--	30	--	--	--	--
Unit total	53	--	28	1,224	--	25	--	--
Northwestern:								
Ashland	--	--	--	182	--	--	--	--
Barron	--	--	4	237	--	--	--	--
Bayfield	--	12	221	--	--	--	--	--
Burnett	--	120	3	--	--	--	--	--
Douglas	--	1	25	--	--	--	--	--
Iron	--	--	4	--	--	--	--	--
Price	--	--	--	394	--	--	--	--
Rusk	--	--	--	474	--	--	--	--
Sawyer	--	--	56	79	--	--	--	--
Taylor	--	--	--	316	--	--	--	--
Washburn	--	85	32	158	--	--	--	--
Unit total	--	218	345	1,840	--	--	--	--
Central:								
Adams	--	--	62	--	--	--	--	--
Chippewa	--	--	7	158	--	--	--	--
Clark	--	--	--	1,264	158	--	158	--
Eau Claire	--	--	--	237	--	--	--	--
Jackson	--	--	--	158	--	--	2	2
Juneau	--	--	--	--	--	--	--	2
Monroe	--	--	1	--	--	--	--	--
Portage	--	--	--	158	--	--	--	--
Waupaca	--	--	10	--	--	--	--	--
Wood	--	--	--	632	--	--	--	--
Unit total	--	--	80	2,607	158	--	160	4
Southwestern:								
Crawford	--	--	--	--	--	--	--	28
Grant	--	--	--	--	--	--	--	29
Iowa	--	--	--	--	--	--	--	10
LaCrosse	--	--	--	--	--	--	--	22
Lafayette	--	--	--	--	--	--	--	4
Richland	--	--	--	--	--	--	--	63
Sauk	--	--	--	--	--	--	--	66
Trempealeau	--	--	5	--	--	--	--	5
Vernon	--	--	--	2	--	1	--	13
Unit total	--	--	5	2	--	1	--	240
Southeastern:								
Columbia	--	--	--	--	--	--	--	11
Dane	--	--	--	--	--	--	--	15
Green	--	--	--	--	--	--	--	8
Rock	--	--	--	--	--	--	--	8
Unit total	--	--	--	--	--	--	--	42
State total	53	218	458	5,673	158	26	160	286

1/ Includes cooperage logs, charcoal bolts, particleboard bolts, and excelsior bolts.

Table 28.--*Volume of residue produced at Wisconsin primary wood-using mills by kind of material, type of use, county, and unit, 1973*
(In thousand cubic feet)

NORTHEASTERN

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE							
	TOTAL		COARSE 1/		FINE 2/		BARK	
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
FLORENCE								
FIBER PRODUCTS	80.7	348.3	80.7	348.3	0	0	0	0
DOMESTIC FUEL	3.6	2.0	3.3	1.9	.3	.1	2.1	1.3
MISCELLANEOUS 3/	7.9	67.3	0	0	7.9	67.3	0	0
NOT USED	41.2	136.9	.2	0	41.0	136.9	50.7	224.4
TOTAL	133.4	554.5	84.2	350.2	49.2	204.3	52.8	225.7
FOREST								
FIBER PRODUCTS	139.5	671.7	138.7	607.9	.8	63.8	0	0
INDUSTRIAL FUEL	54.2	79.2	7.2	21.6	47.0	57.6	93.0	275.9
DOMESTIC FUEL	48.1	67.4	48.1	67.4	0	0	19.2	43.5
MISCELLANEOUS 3/	3.0	92.4	0	0	3.0	92.4	0	0
NOT USED	52.3	124.9	16.4	25.4	35.9	99.5	20.8	143.8
TOTAL	297.1	1035.6	210.4	722.3	86.7	313.3	133.0	463.2
LANGLADE								
FIBER PRODUCTS	20.5	705.2	20.5	663.2	0	42.0	0	0
INDUSTRIAL FUEL	1.2	133.0	0	0	1.2	133.0	0	116.1
DOMESTIC FUEL	3.6	75.3	3.6	75.3	0	0	.8	.9
MISCELLANEOUS 3/	5.7	108.5	0	0	5.7	108.5	5.8	110.4
NOT USED	87.2	238.8	50.5	57.6	36.7	181.2	35.4	223.0
TOTAL	118.2	1260.8	74.6	796.1	43.6	464.7	42.0	450.4
LINCOLN								
FIBER PRODUCTS	0	144.0	0	144.0	0	0	0	0
CHARCOAL	.1	4.1	.1	4.1	0	0	0	2.7
INDUSTRIAL FUEL	.1	88.2	.1	4.2	0	84.0	.1	95.7
DOMESTIC FUEL	6.5	7.7	6.5	7.7	0	0	8.0	5.0
MISCELLANEOUS 3/	4.8	6.6	0	0	4.8	6.6	0	0
NOT USED	12.6	13.1	4.1	6.5	8.5	6.6	6.5	4.4
TOTAL	24.1	263.7	10.8	166.5	13.3	97.2	14.6	107.8
MARINETTE								
FIBER PRODUCTS	4.8	660.2	4.8	393.0	0	267.2	0	0
INDUSTRIAL FUEL	19.0	468.2	15.9	279.2	3.1	189.0	10.2	424.4
DOMESTIC FUEL	45.5	171.7	38.5	167.0	7.0	4.7	20.1	56.8
MISCELLANEOUS 3/	21.7	137.3	0	0	21.7	137.3	3.1	48.3
NOT USED	66.5	118.0	40.3	35.6	26.2	82.4	29.6	337.9
TOTAL	157.5	1555.4	99.5	874.8	58.0	680.6	63.0	867.4

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — NORTHEASTERN, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE							
	TOTAL		COARSE 1/		FINE 2/		BARK	
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
OCONTO								
FIBER PRODUCTS	12.5	250.1	12.5	250.1	0	0	0	0
INDUSTRIAL FUEL	0	172.1	0	64.9	0	107.2	0	74.2
DOMESTIC FUEL	14.9	84.9	14.9	56.9	0	28.0	10.2	21.6
MISCELLANEOUS 3/	7.3	48.0	0	1.0	7.3	47.0	5.4	51.8
NOT USED	44.6	215.9	23.1	71.0	21.5	144.9	17.1	170.0
TOTAL	79.3	771.0	50.5	443.9	28.8	327.1	32.7	317.6
ONEIDA								
FIBER PRODUCTS	0	424.1	0	424.1	0	0	0	0
INDUSTRIAL FUEL	3.2	79.8	2.0	0	1.2	79.8	1.3	147.3
DOMESTIC FUEL	12.4	31.1	12.3	31.0	.1	.1	7.7	20.2
MISCELLANEOUS 3/	2.5	103.0	0	22.8	2.5	80.2	0	0
NOT USED	61.3	230.4	35.8	87.4	25.5	143.0	23.1	197.9
TOTAL	79.4	868.4	50.1	565.3	29.3	303.1	32.1	365.4
SHAWANO 3/								
FIBER PRODUCTS	270.0	1044.0	270.0	1044.0	0	0	0	0
INDUSTRIAL FUEL	92.2	397.4	2.9	43.5	89.3	353.9	122.3	419.0
DOMESTIC FUEL	13.6	124.4	13.6	88.7	0	35.7	8.1	15.8
MISCELLANEOUS 3/	26.5	213.6	0	14.3	26.5	199.3	14.5	141.3
NOT USED	93.2	1278.5	73.0	875.4	20.2	403.1	86.3	796.1
TOTAL	495.5	3057.9	359.5	2065.9	136.0	992.0	231.2	1372.2
VILAS								
FIBER PRODUCTS	701.5	1126.4	589.4	902.4	112.1	224.0	.1	0
INDUSTRIAL FUEL	51.4	33.6	0	0	51.4	33.6	131.0	86.8
DOMESTIC FUEL	25.8	2.3	25.8	2.3	0	0	16.6	1.5
MISCELLANEOUS 3/	10.9	0	0	0	10.9	0	0	0
NOT USED	140.5	250.8	4.6	9.0	135.9	241.8	250.4	501.8
TOTAL	930.1	1413.1	619.8	913.7	310.3	499.4	398.1	590.1
ALL COUNTIES NORTHEASTERN								
FIBER PRODUCTS	1229.5	5374.0	1116.6	4777.0	112.9	597.0	.1	0
CHARCOAL	.1	4.1	.1	4.1	0	0	0	2.7
INDUSTRIAL FUEL	221.3	1451.5	28.1	413.4	193.2	1038.1	357.9	1639.4
DOMESTIC FUEL	174.0	566.8	166.6	498.2	7.4	68.6	92.8	166.6
MISCELLANEOUS 3/	90.3	776.7	0	38.1	90.3	738.6	28.8	351.8
NOT USED	599.4	2607.3	248.0	1167.9	351.4	1439.4	519.9	2599.3
TOTAL	2314.6	10780.4	1559.4	6898.7	755.2	3881.7	999.5	4759.8

TABLE 28CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED

NORTHWESTERN

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE							
	TOTAL		COARSE 1/		FINE 2/		BARK	
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
ASHLAND								
FIBER PRODUCTS	4.7	630.6	4.7	299.4	0	331.2	0	0
INDUSTRIAL FUEL	2.8	78.0	0	6.2	2.8	71.8	3.1	307.7
DOMESTIC FUEL	.1	0	.1	0	0	0	0	0
MISCELLANEOUS 3/	0	33.0	0	30.9	0	2.1	0	0
NOT USED	11.4	8.1	7.2	3.8	4.2	4.3	4.0	7.2
TOTAL	19.0	749.7	12.0	340.3	7.0	409.4	7.1	314.9
BARRON								
FIBER PRODUCTS	0	141.3	0	141.3	0	0	0	0
INDUSTRIAL FUEL	0	373.4	0	85.6	0	287.8	0	400.4
DOMESTIC FUEL	18.5	57.6	18.5	56.3	0	1.3	12.0	34.0
MISCELLANEOUS 3/	10.9	96.2	0	0	10.9	96.2	0	0
NOT USED	.3	1.4	.3	1.4	0	0	.2	3.3
TOTAL	29.7	669.9	18.8	284.6	10.9	385.3	12.2	437.7
BAYFIELD								
FIBER PRODUCTS	0	180.0	0	180.0	0	0	0	116.2
INDUSTRIAL FUEL	0	105.0	0	0	0	105.0	0	0
DOMESTIC FUEL	8.2	7.5	8.2	7.5	0	0	5.4	4.9
MISCELLANEOUS 3/	3.4	2.3	0	0	3.4	2.3	0	0
NOT USED	44.5	48.9	27.2	29.5	17.3	19.4	17.3	19.1
TOTAL	56.1	343.7	35.4	217.0	20.7	126.7	22.7	140.2
BURNETT								
CHARCOAL	0	43.6	0	43.6	0	0	0	28.1
INDUSTRIAL FUEL	0	0	0	0	0	0	19.9	0
DOMESTIC FUEL	14.3	1.2	14.3	1.2	0	0	52.4	.7
MISCELLANEOUS 3/	13.7	54.1	0	0	13.7	54.1	0	0
NOT USED	88.8	80.5	59.4	68.3	29.4	12.2	101.3	44.1
TOTAL	116.8	179.4	73.7	113.1	43.1	66.3	173.6	72.9
DOUGLAS								
FIBER PRODUCTS	86.4	9.6	86.4	9.6	0	0	0	0
CHARCOAL	0	.4	0	0	0	.4	0	0
DOMESTIC FUEL	16.9	1.4	12.5	1.0	4.4	.4	8.0	.7
MISCELLANEOUS 3/	6.9	1.1	3.6	.6	3.3	.5	2.3	.4
NOT USED	62.5	17.2	6.5	7.3	56.0	9.9	39.2	11.0
TOTAL	172.7	29.7	109.0	18.5	63.7	11.2	49.5	12.1

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — NORTHWESTERN, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE							
	TOTAL		COARSE 1/		FINE 2/		BARK	
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
POLK								
FIBER PRODUCTS	10.3	56.9	10.3	56.9	0	0	5.7	31.2
CHARCOAL	4.5	85.9	4.5	85.9	0	0	3.9	61.0
DOMESTIC FUEL	26.0	27.6	24.1	23.4	1.9	4.2	1.5	1.0
MISCELLANEOUS 3/	8.3	67.2	0	0	8.3	67.2	0	0
NOT USED	16.3	43.7	2.5	11.4	13.8	32.3	15.7	21.4
TOTAL	65.4	281.3	41.4	177.6	24.0	103.7	26.8	114.6
PRICE								
FIBER PRODUCTS	0	282.8	0	224.6	0	58.2	0	0
DOMESTIC FUEL	0	103.8	0	89.1	0	14.7	0	43.0
MISCELLANEOUS 3/	0	31.4	0	0	0	31.4	0	0
NOT USED	7.6	133.0	4.8	34.3	2.8	98.7	3.1	181.7
TOTAL	7.6	551.0	4.8	348.0	2.8	203.0	3.1	224.7
RUSK								
INDUSTRIAL FUEL	0	7.4	0	7.4	0	0	0	4.8
DOMESTIC FUEL	9.7	49.2	9.7	49.2	0	0	6.2	31.8
MISCELLANEOUS 3/	4.8	20.9	0	0	4.8	20.9	0	0
NOT USED	.8	263.1	0	158.5	.8	104.6	0	102.4
TOTAL	15.3	340.6	9.7	215.1	5.6	125.5	6.2	139.0
SAWYER								
FIBER PRODUCTS	0	235.2	0	235.2	0	0	0	0
INDUSTRIAL FUEL	0	258.4	0	158.4	0	100.0	0	0
DOMESTIC FUEL	5.9	86.1	5.9	85.9	0	.2	2.8	.1
MISCELLANEOUS 3/	20.5	74.6	15.5	12.4	5.0	62.2	0	0
NOT USED	60.2	231.6	33.9	67.6	26.3	164.0	32.9	361.2
TOTAL	86.6	885.9	55.3	559.5	31.3	326.4	35.7	361.3
TAYLOR								
DOMESTIC FUEL	1.3	85.7	1.3	85.7	0	0	.7	55.4
MISCELLANEOUS 3/	2.5	129.4	0	51.8	2.5	77.6	0	33.5
NOT USED	3.5	45.5	3.3	27.1	.2	18.4	2.1	17.5
TOTAL	7.3	260.6	4.6	164.6	2.7	96.0	2.8	106.4
WASHBURN								
FIBER PRODUCTS	0	45.0	0	45.0	0	0	0	0
CHARCOAL	0	0	0	0	0	0	1.2	0
DOMESTIC FUEL	18.1	6.7	18.1	6.7	0	0	11.7	4.4
MISCELLANEOUS 3/	11.3	4.9	2.3	1.8	9.0	3.1	1.4	1.2
NOT USED	16.4	336.7	8.5	185.3	7.9	151.4	5.7	174.8
TOTAL	45.8	393.3	28.9	238.8	16.9	154.5	20.0	180.4

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — NORTHWESTERN, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE						BARK	
	TOTAL		COARSE 1/		FINE 2/			
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
ALL COUNTIES NORTHWESTERN								
FIBER PRODUCTS	101.4	1581.4	101.4	1192.0	0	389.4	5.7	147.4
CHARCOAL	4.5	129.9	4.5	129.5	0	.4	5.1	89.1
INDUSTRIAL FUEL	2.8	822.2	0	257.6	2.8	564.6	23.0	712.9
DOMESTIC FUEL	119.0	426.8	112.7	406.0	6.3	20.8	100.7	176.0
MISCELLANEOUS 3/	82.3	515.1	21.4	97.5	60.9	417.6	3.7	35.1
NOT USED	312.3	1209.7	153.6	594.5	158.7	615.2	221.5	943.7
TOTAL	622.3	4685.1	393.6	2677.1	228.7	2008.0	359.7	2104.2
CENTRAL								
ADAMS								
FIBER PRODUCTS	1.4	143.8	1.2	122.4	.2	21.4	0	0
DOMESTIC FUEL	3.0	1.4	2.8	1.4	.2	0	1.8	.8
NOT USED	2.2	50.8	.1	0	2.1	50.8	.9	79.1
TOTAL	6.6	196.0	4.1	123.8	2.5	72.2	2.7	79.9
CHIPPEWA								
FIBER PRODUCTS	0	204.2	0	204.2	0	0	0	14.0
CHARCOAL	0	57.1	0	57.1	0	0	0	36.9
INDUSTRIAL FUEL	0	13.8	0	0	0	13.8	0	0
DOMESTIC FUEL	4.5	56.8	4.3	56.8	.2	0	2.8	27.6
MISCELLANEOUS 3/	2.6	306.4	.1	110.9	2.5	195.5	.1	37.8
NOT USED	3.0	137.1	2.0	60.7	1.0	76.4	1.2	200.1
TOTAL	10.1	775.4	6.4	489.7	3.7	285.7	4.1	316.4
CLARK								
FIBER PRODUCTS	0	70.5	0	0	0	70.5	0	0
CHARCOAL	2.4	2.4	2.4	2.4	0	0	1.6	1.6
DOMESTIC FUEL	6.0	38.0	6.0	38.0	0	0	4.0	24.7
MISCELLANEOUS 3/	19.8	101.1	9.6	38.4	10.2	62.7	6.2	24.8
NOT USED	.2	161.3	.1	157.0	.1	4.3	.1	101.5
TOTAL	28.4	373.3	18.1	235.8	10.3	137.5	11.9	152.6
EAU CLAIRE								
CHARCOAL	0	9.2	0	9.2	0	0	0	5.9
DOMESTIC FUEL	8.1	38.6	8.1	38.6	0	0	5.2	24.6
MISCELLANEOUS 3/	2.4	12.1	0	.4	2.4	11.7	0	.5
NOT USED	18.2	40.8	10.0	15.5	8.2	25.3	6.4	10.0
TOTAL	28.7	100.7	18.1	63.7	10.6	37.0	11.6	41.0

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — CENTRAL, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE: TOTAL		COARSE 1/		FINE 2/		BARK	
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
JACKSON								
FIBER PRODUCTS	0	339.8	0	256.6	0	83.2	0	0
CHARCOAL	0	11.6	0	11.6	0	0	0	0
INDUSTRIAL FUEL	0	86.4	0	86.4	0	0	0	55.8
DOMESTIC FUEL	10.4	21.2	10.4	21.2	0	0	6.7	8.2
MISCELLANEOUS 3/	10.0	89.1	0	0	10.0	89.1	0	0
NOT USED	17.0	74.1	13.2	17.1	3.8	57.0	8.6	189.7
TOTAL	37.4	622.2	23.6	392.9	13.8	229.3	15.3	253.7
JUNEAU								
FIBER PRODUCTS	16.6	270.6	15.8	261.6	.8	9.0	5.6	41.8
DOMESTIC FUEL	6.2	65.3	6.2	65.3	0	0	4.0	42.2
MISCELLANEOUS 3/	7.3	136.9	0	0	7.3	136.9	0	69.8
NOT USED	7.1	56.2	1.5	7.2	5.6	49.0	5.6	62.1
TOTAL	37.2	529.0	23.5	334.1	13.7	194.9	15.2	215.9
MARATHON								
FIBER PRODUCTS	4.8	439.5	4.8	439.5	0	0	0	62.0
DOMESTIC FUEL	48.5	182.2	45.7	129.0	2.8	53.2	32.1	141.9
MISCELLANEOUS 3/	27.2	254.1	.2	.3	27.0	253.8	.1	136.6
NOT USED	.7	71.5	.6	3.7	.1	67.8	.3	47.6
TOTAL	81.2	947.3	51.3	572.5	29.9	374.8	32.5	388.1
MARQUETTE								
DOMESTIC FUEL	.6	4.0	.6	4.0	0	0	.4	2.5
MISCELLANEOUS 3/	.2	1.8	0	0	.2	1.8	0	0
NOT USED	.1	.8	0	.2	.1	.6	0	.1
TOTAL	.9	6.6	.6	4.2	.3	2.4	.4	2.6
MONROE								
FIBER PRODUCTS	0	288.0	0	288.0	0	0	0	0
CHARCOAL	0	45.6	0	45.6	0	0	0	29.5
MISCELLANEOUS 3/	0	194.6	0	0	0	194.6	0	186.0
TOTAL	0	528.2	0	333.6	0	194.6	0	215.5
PORTAGE								
INDUSTRIAL FUEL	4.8	8.6	4.8	8.6	0	0	3.1	5.6
DOMESTIC FUEL	18.7	89.9	15.2	76.3	3.5	13.6	9.8	49.2
MISCELLANEOUS 3/	5.4	34.5	0	0	5.4	34.5	0	0
NOT USED	25.3	27.5	14.2	16.5	11.1	11.0	9.2	10.7
TOTAL	54.2	160.5	34.2	101.4	20.0	59.1	22.1	65.5

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — CENTRAL, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE: TOTAL		COARSE 1/		FINE 2/		BARK	
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
WAUPACA								
FIBER PRODUCTS	33.7	274.3	33.7	274.3	0	0	0	0
INDUSTRIAL FUEL	0	66.6	0	2.2	0	64.4	0	49.3
DOMESTIC FUEL	3.8	62.2	3.8	62.2	0	0	2.3	16.7
MISCELLANEOUS 3/	21.9	178.8	0	0	21.9	178.8	18.6	129.8
NOT USED	0	0	0	0	0	0	3.1	41.7
TOTAL	59.4	581.9	37.5	338.7	21.9	243.2	24.0	237.5
WAUSHARA								
DOMESTIC FUEL	24.7	176.1	15.6	111.2	9.1	64.9	10.0	71.7
TOTAL	24.7	176.1	15.6	111.2	9.1	64.9	10.0	71.7
WOOD								
FIBER PRODUCTS	73.7	406.3	73.7	406.3	0	0	0	0
INDUSTRIAL FUEL	43.0	360.8	0	47.5	43.0	313.3	47.6	950.4
NOT USED	3.5	1.1	2.2	.7	1.3	.4	1.4	.4
TOTAL	120.2	768.2	75.9	454.5	44.3	313.7	49.0	950.8
ALL COUNTIES CENTRAL								
FIBER PRODUCTS	130.2	2437.0	129.2	2252.9	1.0	184.1	5.6	117.8
CHARCOAL	2.4	125.9	2.4	125.9	0	0	1.6	73.9
INDUSTRIAL FUEL	47.8	536.2	4.8	144.7	43.0	391.5	50.7	1061.1
DOMESTIC FUEL	134.5	735.7	118.7	604.0	15.8	131.7	79.1	410.1
MISCELLANEOUS 3/	96.8	1309.4	9.9	150.0	86.9	1159.4	25.0	585.3
NOT USED	77.3	621.2	43.9	278.6	33.4	342.6	36.8	743.0
TOTAL	489.0	5765.4	308.9	3556.1	180.1	2209.3	198.8	2991.2
SOUTHWESTERN								
BUFFALO								
FIBER PRODUCTS	0	331.2	0	331.2	0	0	0	0
CHARCOAL	0	53.4	0	53.4	0	0	0	0
INDUSTRIAL FUEL	0	1.4	0	1.4	0	0	0	0
DOMESTIC FUEL	.2	53.6	.2	53.6	0	0	.1	26.0
MISCELLANEOUS 3/	.1	206.9	0	0	.1	206.9	0	79.9
NOT USED	0	80.0	0	19.2	0	60.8	0	190.7
TOTAL	.3	726.5	.2	458.8	.1	267.7	.1	296.6
CRAWFORD								
FIBER PRODUCTS	0	238.3	0	238.3	0	0	0	0
CHARCOAL	0	10.3	0	10.3	0	0	0	0
DOMESTIC FUEL	0	18.8	0	18.8	0	0	0	12.0
MISCELLANEOUS 3/	0	128.4	0	0	0	128.4	0	13.6
NOT USED	0	84.8	0	2.6	0	82.2	0	163.6
TOTAL	0	480.6	0	270.0	0	210.6	0	189.2

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — SOUTHWESTERN, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE						BARK	
	TOTAL		COARSE 1/		FINE 2/			
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
DUNN								
FIBER PRODUCTS	4.8	192.0	4.8	192.0	0	0	3.1	62.0
DOMESTIC FUEL	4.5	15.1	4.5	15.1	0	0	2.9	9.7
MISCELLANEOUS 3/	4.4	117.5	0	0	4.4	117.5	0	62.0
NOT USED	2.7	9.3	1.1	3.8	1.6	5.5	.7	2.4
TOTAL	16.4	333.9	10.4	210.9	6.0	123.0	6.7	136.1
GRANT								
INDUSTRIAL FUEL	0	6.3	0	6.3	0	0	0	4.1
DOMESTIC FUEL	.3	163.8	.3	163.1	0	.7	.2	5.2
MISCELLANEOUS 3/	.2	98.2	0	0	.2	98.2	0	20.0
NOT USED	0	39.8	0	25.1	0	14.7	0	96.4
TOTAL	.5	308.1	.3	194.5	.2	113.6	.2	125.7
IOWA								
DOMESTIC FUEL	.5	1.4	.5	1.4	0	0	.3	.9
NOT USED	.3	5.4	0	2.9	.3	2.5	0	1.8
TOTAL	.8	6.8	.5	4.3	.3	2.5	.3	2.7
LACROSSE								
FIBER PRODUCTS	0	480.0	0	480.0	0	0	0	0
DOMESTIC FUEL	1.2	1.7	1.2	1.7	0	0	.8	1.0
MISCELLANEOUS 3/	0	92.4	0	0	0	92.4	0	155.0
NOT USED	.7	190.7	0	1.4	.7	189.3	0	155.8
TOTAL	1.9	764.8	1.2	483.1	.7	281.7	.8	311.8
LAFAYETTE								
DOMESTIC FUEL	0	3.5	0	3.5	0	0	0	2.3
MISCELLANEOUS 3/	0	2.1	0	0	0	2.1	0	0
TOTAL	0	5.6	0	3.5	0	2.1	0	2.3
PEPIN								
FIBER PRODUCTS	0	144.0	0	144.0	0	0	0	0
DOMESTIC FUEL	1.0	3.4	1.0	3.4	0	0	.6	1.4
MISCELLANEOUS 3/	0	85.9	0	0	0	85.9	0	0
NOT USED	.6	.1	0	0	.6	.1	0	93.8
TOTAL	1.6	233.4	1.0	147.4	.6	86.0	.6	95.2
PIERCE								
FIBER PRODUCTS	1.9	191.0	1.9	191.0	0	0	0	0
INDUSTRIAL FUEL	0	0	0	0	0	0	1.1	66.4
DOMESTIC FUEL	0	3.2	0	3.2	0	0	0	2.0
MISCELLANEOUS 3/	1.1	108.5	0	0	1.1	108.5	0	2.5
NOT USED	0	4.7	0	0	0	4.7	.1	54.5
TOTAL	3.0	307.4	1.9	194.2	1.1	113.2	1.2	125.4

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — SOUTHWESTERN, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE: TOTAL		COARSE 1/		FINE 2/		BARK	
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
RICHLAND								
FIBER PRODUCTS	0	279.5	0	279.5	0	0	0	0
INDUSTRIAL FUEL	.9	0	.9	0	0	0	.6	0
DOMESTIC FUEL	2.0	23.2	.9	23.2	1.1	0	.6	9.6
MISCELLANEOUS 3/	0	142.4	0	3.6	0	138.8	0	94.1
NOT USED	0	40.2	0	.2	0	40.0	0	94.3
TOTAL	2.9	485.3	1.8	306.5	1.1	178.8	1.2	198.0
SAUK								
FIBER PRODUCTS	0	178.0	0	178.0	0	0	0	0
INDUSTRIAL FUEL	0	4.4	0	4.4	0	0	0	0
DOMESTIC FUEL	.9	175.6	.9	175.6	0	0	.6	96.8
MISCELLANEOUS 3/	.5	219.3	0	0	.5	219.3	0	146.0
NOT USED	0	17.8	0	17.8	0	0	0	0
TOTAL	1.4	595.1	.9	375.8	.5	219.3	.6	242.8
TREMPEALEAU								
FIBER PRODUCTS	0	64.8	0	64.8	0	0	0	0
CHARCOAL	0	197.5	0	197.5	0	0	0	65.9
INDUSTRIAL FUEL	0	.7	0	.7	0	0	0	0
DOMESTIC FUEL	.4	85.2	.4	85.2	0	0	.3	9.0
MISCELLANEOUS 3/	.3	149.1	0	0	.3	149.1	0	76.9
NOT USED	.8	58.1	.5	2.6	.3	55.5	.9	74.8
TOTAL	1.5	555.4	.9	350.8	.6	204.6	1.2	226.6
VERNON								
FIBER PRODUCTS	0	210.4	0	210.4	0	0	0	11.2
DOMESTIC FUEL	.1	55.1	.1	55.1	0	0	.1	28.8
MISCELLANEOUS 3/	.1	53.2	0	0	.1	53.2	0	17.0
NOT USED	0	104.5	0	1.8	0	102.7	0	115.9
TOTAL	.2	423.2	.1	267.3	.1	155.9	.1	172.9
ALL COUNTIES SOUTHWESTERN								
FIBER PRODUCTS	6.7	2309.2	6.7	2309.2	0	0	3.1	73.2
CHARCOAL	0	261.2	0	261.2	0	0	0	65.9
INDUSTRIAL FUEL	.9	12.8	.9	12.8	0	0	1.7	70.5
DOMESTIC FUEL	11.1	603.6	10.0	602.9	1.1	.7	6.5	204.7
MISCELLANEOUS 3/	6.7	1403.9	0	3.6	6.7	1400.3	0	667.0
NOT USED	5.1	635.4	1.6	77.4	3.5	558.0	1.7	1044.0
TOTAL	30.5	5226.1	19.2	3267.1	11.3	1959.0	13.0	2125.3

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — SOUTHEASTERN

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE							
	TOTAL		COARSE 1/		FINE 2/		BARK	
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
BROWN								
FIBER PRODUCTS	11.6	122.7	11.6	99.1	0	23.6	0	0
DOMESTIC FUEL	4.1	36.7	4.1	36.7	0	0	2.6	0
MISCELLANEOUS 3/	11.6	92.0	0	0	11.6	92.0	6.8	53.2
NOT USED	4.1	36.7	4.1	36.7	0	0	2.6	16.2
TOTAL	31.4	288.1	19.8	172.5	11.6	115.6	12.0	69.4
CALUMET								
DOMESTIC FUEL	.8	8.6	.8	8.6	0	0	.5	5.5
MISCELLANEOUS 3/	.5	5.0	0	0	.5	5.0	0	0
TOTAL	1.3	13.6	.8	8.6	.5	5.0	.5	5.5
COLUMBIA								
DOMESTIC FUEL	4.4	51.6	4.4	51.6	0	0	2.9	33.3
MISCELLANEOUS 3/	.1	33.1	0	0	.1	33.1	0	0
NOT USED	3.3	6.1	.5	5.7	2.8	.4	.3	3.8
TOTAL	7.8	90.8	4.9	57.3	2.9	33.5	3.2	37.1
DANE								
DOMESTIC FUEL	0	19.5	0	19.5	0	0	0	9.4
MISCELLANEOUS 3/	0	8.2	0	0	0	8.2	0	3.2
NOT USED	0	43.2	0	25.3	0	17.9	0	16.3
TOTAL	0	70.9	0	44.8	0	26.1	0	28.9
DODGE								
NOT USED	0	7.6	0	4.8	0	2.8	0	3.2
TOTAL	0	7.6	0	4.8	0	2.8	0	3.2
DOOR								
DOMESTIC FUEL	13.0	4.5	13.0	4.5	0	0	6.6	2.9
MISCELLANEOUS 3/	7.5	2.1	0	0	7.5	2.1	0	0
NOT USED	.1	.6	0	0	.1	.6	0	0
TOTAL	20.6	7.2	13.0	4.5	7.6	2.7	6.6	2.9
FOND DU LAC								
DOMESTIC FUEL	0	.7	0	.7	0	0	0	.6
MISCELLANEOUS 3/	0	.4	0	0	0	.4	0	0
NOT USED	0	1.6	0	1.0	0	.6	0	.6
TOTAL	0	2.7	0	1.7	0	1.0	0	1.2

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — SOUTHEASTERN, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE							
	TOTAL		COARSE 1/		FINE 2/		BARK	
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
GREEN								
DOMESTIC FUEL	0	1.4	0	1.4	0	0	0	.9
MISCELLANEOUS 3/	0	4.2	0	0	0	4.2	0	0
NOT USED	0	5.8	0	5.8	0	0	0	3.7
TOTAL	0	11.4	0	7.2	0	4.2	0	4.6
GREEN LAKE								
DOMESTIC FUEL	0	2.3	0	2.3	0	0	0	1.0
MISCELLANEOUS 3/	0	1.2	0	.2	0	1.0	0	.3
NOT USED	.1	1.1	.1	.4	0	.7	0	.4
TOTAL	.1	4.6	.1	2.9	0	1.7	0	1.7
JEFFERSON								
NOT USED	0	13.6	0	8.6	0	5.0	0	5.6
TOTAL	0	13.6	0	8.6	0	5.0	0	5.6
KEWAUNEE								
FIBER PRODUCTS	25.2	298.9	25.2	298.9	0	0	0	0
INDUSTRIAL FUEL	0	0	0	0	0	0	0	18.9
DOMESTIC FUEL	1.5	3.9	1.5	3.9	0	0	.8	2.5
MISCELLANEOUS 3/	9.2	101.8	0	0	9.2	101.8	.8	9.5
NOT USED	1.0	.1	.6	0	.4	.1	15.5	160.8
TOTAL	36.9	404.7	27.3	302.8	9.6	101.9	17.1	191.7
MANITOWOC								
FIBER PRODUCTS	16.9	309.5	16.9	207.4	0	102.1	0	0
INDUSTRIAL FUEL	0	0	0	0	0	0	0	70.3
DOMESTIC FUEL	5.9	29.8	5.9	29.8	0	0	3.5	19.0
MISCELLANEOUS 3/	11.7	193.8	0	63.5	11.7	130.3	10.9	133.9
NOT USED	3.5	16.4	1.7	8.9	1.8	7.5	1.1	5.8
TOTAL	38.0	549.5	24.5	309.6	13.5	239.9	15.5	229.0
MILWAUKEE								
DOMESTIC FUEL	0	1.4	0	1.4	0	0	0	.9
MISCELLANEOUS 3/	0	.8	0	0	0	.8	0	0
TOTAL	0	2.2	0	1.4	0	.8	0	.9
OUTAGAMIE								
FIBER PRODUCTS	38.4	176.3	38.4	176.3	0	0	0	0
INDUSTRIAL FUEL	0	7.8	0	0	0	7.8	0	0
DOMESTIC FUEL	4.3	55.0	4.3	55.0	0	0	2.7	30.8
MISCELLANEOUS 3/	13.7	83.0	0	0	13.7	83.0	1.2	5.6
NOT USED	11.2	51.4	0	0	11.2	51.4	23.6	114.9
TOTAL	67.6	373.5	42.7	231.3	24.9	142.2	27.5	151.3

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — SOUTHEASTERN, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE						BARK	
	TOTAL		COARSE 1/		FINE 2/			
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
OZAUKEE								
DOMESTIC FUEL	0	1.0	0	1.0	0	0	0	.6
MISCELLANEOUS 3/	0	.6	0	0	0	.6	0	0
TOTAL	0	1.6	0	1.0	0	.6	0	.6
RACINE								
MISCELLANEOUS 3/	0	4.2	0	0	0	4.2	0	0
NOT USED	0	7.2	0	7.2	0	0	0	4.7
TOTAL	0	11.4	0	7.2	0	4.2	0	4.7
ROCK								
NOT USED	0	5.7	0	3.6	0	2.1	0	2.3
TOTAL	0	5.7	0	3.6	0	2.1	0	2.3
SHEBOYGAN								
FIBER PRODUCTS	0	87.8	0	44.1	0	43.7	0	0
CHARCOAL	0	27.0	0	27.0	0	0	0	0
INDUSTRIAL FUEL	0	24.1	0	5.7	0	18.4	0	19.0
DOMESTIC FUEL	1.2	5.0	1.2	5.0	0	0	.8	2.4
MISCELLANEOUS 3/	0	8.3	0	0	0	8.3	0	0
NOT USED	2.9	19.1	1.4	10.6	1.5	8.5	1.0	49.6
TOTAL	4.1	171.3	2.6	92.4	1.5	78.9	1.8	71.0
WALWORTH								
DOMESTIC FUEL	0	.8	0	.5	0	.3	0	.3
TOTAL	0	.8	0	.5	0	.3	0	.3
WASHINGTON								
FIBER PRODUCTS	0	74.9	0	74.9	0	0	0	48.4
DOMESTIC FUEL	.2	1.7	.2	1.7	0	0	.1	1.1
MISCELLANEOUS 3/	0	50.5	0	4.1	0	46.4	0	2.7
NOT USED	.1	20.8	0	12.7	.1	8.1	0	8.2
TOTAL	.3	147.9	.2	93.4	.1	54.5	.1	60.4
WAUKESHA								
DOMESTIC FUEL	0	1.2	0	1.2	0	0	0	.8
MISCELLANEOUS 3/	0	99.5	0	62.4	0	37.1	0	40.3
TOTAL	0	100.7	0	63.6	0	37.1	0	41.1

TABLE 28 CONTINUED ON NEXT PAGE

TABLE 28 CONTINUED — SOUTHEASTERN, CONT.

COUNTY OR UNIT AND TYPE OF USE	WOOD RESIDUE						BARK	
	TOTAL		COARSE 1/		FINE 2/			
	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD	SOFTWOOD	HARDWOOD
WINNEBAGO								
INDUSTRIAL FUEL	0	5.0	0	5.0	0	0	0	3.2
DOMESTIC FUEL	3.7	3.7	3.7	3.6	0	.1	2.1	2.3
MISCELLANEOUS 3/	1.5	2.0	0	0	1.5	2.0	0	0
NOT USED	2.0	2.1	.9	.3	1.1	1.8	.6	.3
TOTAL	7.2	12.8	4.6	8.9	2.6	3.9	2.7	5.8
ALL COUNTIES SOUTHEASTERN								
FIBER PRODUCTS	92.1	1070.1	92.1	900.7	0	169.4	0	48.4
CHARCOAL	0	27.0	0	27.0	0	0	0	0
INDUSTRIAL FUEL	0	36.9	0	10.7	0	26.2	0	111.4
DOMESTIC FUEL	39.1	228.8	39.1	228.4	0	.4	22.6	114.3
MISCELLANEOUS 3/	55.8	690.7	0	130.2	55.8	560.5	19.7	248.7
NOT USED	28.3	239.1	9.3	131.6	19.0	107.5	44.7	396.4
TOTAL	215.3	2292.6	140.5	1428.6	74.8	864.0	87.0	919.2
ALL UNITS								
TOTAL WISCONSIN								
FIBER PRODUCTS	1559.9	12771.7	1446.0	11431.8	113.9	1339.9	14.5	386.8
CHARCOAL	7.0	548.1	7.0	547.7	0	.4	6.7	231.6
INDUSTRIAL FUEL	272.8	2859.6	33.8	839.2	239.0	2020.4	433.3	3595.3
DOMESTIC FUEL	477.7	2561.7	447.1	2339.5	30.6	222.2	301.7	1071.7
MISCELLANEOUS 3/	331.9	4695.8	31.3	419.4	300.6	4276.4	77.2	1887.9
NOT USED	1022.4	5312.7	456.4	2250.0	566.0	3062.7	824.6	5726.4
TOTAL	3671.7	28749.6	2421.6	17827.6	1250.1	10922.0	1658.0	12899.7

1/ SUITABLE FOR CHIPPING SUCH AS SLABS, EDGINGS, VENEER CORES, ETC.
2/ NOT SUITABLE FOR CHIPPING SUCH AS SAWDUST, VENEER CLIPPINGS, ETC.
3/ LIVESTOCK BEDDING, MULCH, SMALL DIMENSION, AND SPECIALTY ITEMS.

☆ U.S. Government Printing Office: 1976—669-868/184 Re

Blyth, James E., Eugene F. Landt, James W. Whipple, and Jerold T. Hahn.
1976. Primary forest products industry and timber use, Wisconsin, 1973. USDA For. Serv. Resour. Bull. NC-31, 61 p., illus. North Cent. For. Exp. Stn., St. Paul, Minn.

Discusses recent Wisconsin forest industry trends; timber removals for industrial roundwood in 1973; production and receipts in 1973 of pulpwood, saw logs, veneer logs, and other industrial roundwood products. Shows trends in pulpwood and veneer log production and compares saw log production in 1967 and 1973. Discusses primary wood-using plant residue and its disposition.

OXFORD: 791:792(775). KEY WORDS: pulpwood, saw logs, veneer logs, production, trends, wood residue, timber removals.

Blyth, James E., Eugene F. Landt, James W. Whipple, and Jerold T. Hahn.
1976. Primary forest products industry and timber use, Wisconsin, 1973. USDA For. Serv. Resour. Bull. NC-31, 61 p., illus. North Cent. For. Exp. Stn., St. Paul, Minn.

Discusses recent Wisconsin forest industry trends; timber removals for industrial roundwood in 1973; production and receipts in 1973 of pulpwood, saw logs, veneer logs, and other industrial roundwood products. Shows trends in pulpwood and veneer log production and compares saw log production in 1967 and 1973. Discusses primary wood-using plant residue and its disposition.

OXFORD: 791:792(775). KEY WORDS: pulpwood, saw logs, veneer logs, production, trends, wood residue, timber removals.