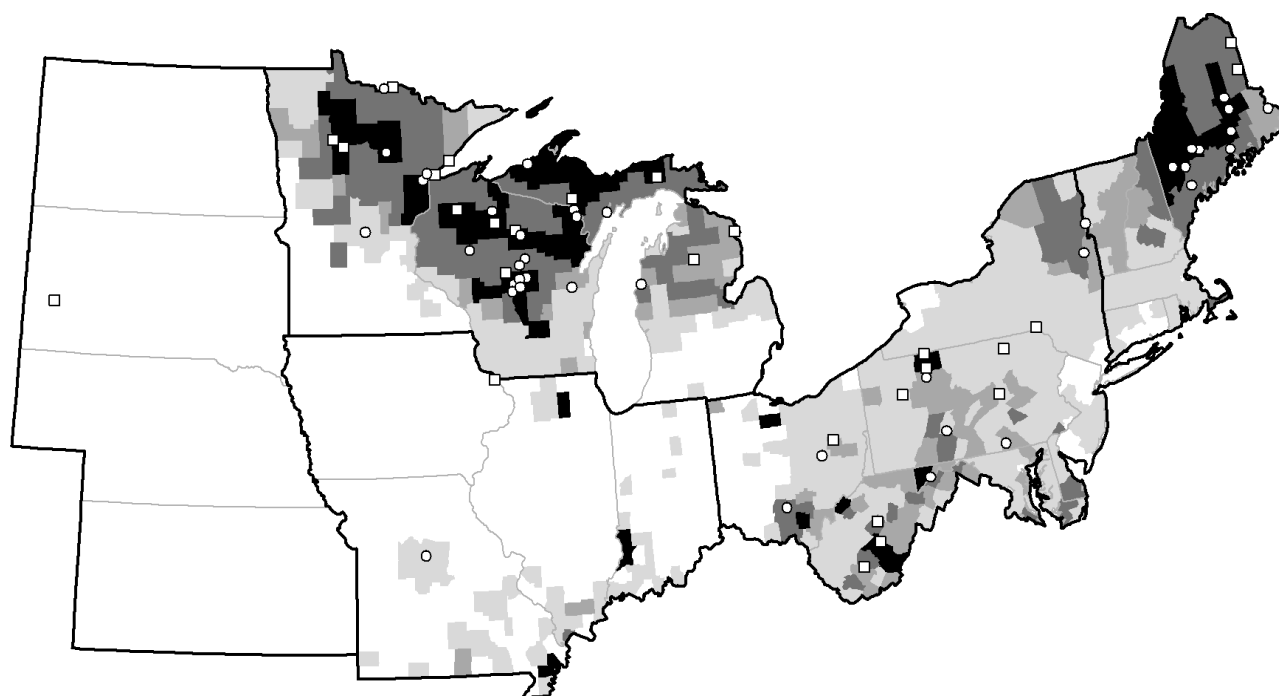




United States Department of Agriculture

Pulpwood Production in the Northern Region, 2008

Ronald J. Piva



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Abstract

In 2008, pulpwood production increased by 5 and 1 percent in the Lake States and New England States, respectively. In contrast, pulpwood production decreased by 3, 4, and 10 percent in the Mid-Atlantic, Plains, and Central States, respectively. In the Northern Region, pulpwood production from roundwood increased by 4 percent and pulpwood production from mill residues decreased by nearly 8 percent. Pulpwood production for use by pulp mills increased by only 1 percent while pulpwood production for use by composite product mills decreased by 10 percent. The downturn in the pulp and composite product industry led to the idling or closing of five mills in 2007, five mills in 2008, and three mills in 2009.

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INTRODUCTION

Current detailed information about pulpwood production is necessary for intelligent planning and decisionmaking in wood procurement, forest resource management, forest industry development, and scientific studies.

This report includes information regarding pulpwood produced for use in the manufacture of all primary products made from reconstituted wood fiber. The two major products made from pulpwood are pulp products and composite products. Pulp products include wood pulp, corrugated medium, roofing material, and insulation board. Composite products include flakeboard, waferboard, medium density fiberboard, hardboard, particleboard, oriented strand board, and parallel strand lumber. Wood chips or fibers used at composite product mills are nearly identical to wood chips or fibers used at pulp mills. Therefore, including this wood in our data compilation provides a more accurate estimate of demand for pulpwood-like material. This report discusses the production of the raw fiber material delivered to mills. Thus, these data report only that portion of the timber harvest used as raw material and do not necessarily reflect the volume of growing stock harvested.

Pulpwood is a large component of the industrial timber products harvested annually in the Northern Region, accounting for more than half of the total harvest in some states each year. The Central States (Illinois, Indiana, Iowa, Missouri), Lake States (Michigan, Minnesota, Wisconsin), Mid-Atlantic States (Delaware, Maryland, New Jersey, New York, Ohio, Pennsylvania, West Virginia), New England States (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont), and Plains States (Kansas, Nebraska, North Dakota, South Dakota) are discussed separately because the timber types in each area are different and the flow of wood between the areas is nominal. Results for pulpwood production and receipts are discussed at the broad regional level to avoid revealing the operations of individual mills.

¹ Definitions of many terms used in this publication are found in Appendix 1.

STUDY METHODS

The pulpwood study by the Northern Research Station (NRS) uses questionnaires designed to determine the size and composition of the primary pulpwood-using industry, its use of roundwood and wood residues, and its generation and disposition of wood residues. These questionnaires were mailed or emailed to all known users of pulpwood in the Northern Region and to all Canadian pulpwood mills that were possible users of Northern Region pulpwood. Followup emails and phone calls were made in an effort to achieve a 100-percent response. Completed questionnaires were sent to NRS for data entry and processing.

As part of data entry and processing, all roundwood volumes reported on the questionnaires were converted to standard units of measure by using regional conversion factors found in Appendix 3. Timber removals by source of material and harvest residues generated during logging were estimated from standard product volumes by using factors developed from logging utilization studies previously conducted by NRS. Finalized data on pulpwood receipts were loaded into a regional timber removals database where they were supplemented with data from other regions to provide a complete assessment of the Northern Region's production and use of pulpwood. Table 28 lists the pulpwood mills from Canada and other regions that reported receiving pulpwood from the Northern Region.

As part of reporting forest resource statistics for the national Resource Planning Act (RPA), NRS must provide harvest volumes by state, county, and species. Some mills are not able to provide data at the county or species level of reporting. Instead, they report species volume as different groups, such as mixed hardwoods and softwoods, or county volumes listed as other counties instead of specific counties. In such cases, volumes are prorated to counties or species, or both, based on distance from mill and Forest Inventory and Analysis statistics of the volume of growing stock on forest land by county and species.

In 2008, surveys were conducted with pulp and composite panel mills from the Northern Region. Mills reported pulpwood receipts by species group and county of origin. This bulletin presents the results of the survey, compiles the data, compares results with those of 2007 and earlier years, and discusses trends in pulpwood production and use.

When new surveys are completed, errors and omissions from previous surveys are corrected. As a result of ongoing efforts to improve the efficiency and reliability of the survey, changes may have been made to data from previous surveys. All comparisons and analyses in this report are based on the reprocessed data from earlier surveys, which may vary slightly from previously published data.

CENTRAL STATES

Production and Receipts

Because there are few pulpwood mills in the Central States, detailed county and receipt information is not reported for Illinois, Indiana, Iowa, and Missouri to avoid disclosure of individual mills.

- Pulpwood production in the Central States declined from 367,000 cords in 2007 to 328,000 cords in 2008, a 10-percent decrease. Twenty-eight percent of the pulpwood production in 2008 came from roundwood (including chips from roundwood) and 72 percent came from the wood residues of other wood-using plants (Fig. 1 and Table 1).
- Hard hardwoods was the most harvested species group for pulpwood with 64,000 cords (69 percent of the total roundwood harvested). Another 21,000 cords of soft hardwoods (23 percent of the total roundwood harvest) and 8,000 cords of softwoods (8 percent of the total roundwood harvested) were harvested in 2008.
- Missouri was the largest producer of pulpwood in the Central States in 2008 with 51 percent of the regional total, or 168,000 cords. Indiana produced 37 percent of the pulpwood produced in the Central States, Illinois produced 10 percent, and Iowa produced 2 percent (Fig. 2).
- In the Central States, all of the roundwood harvested for pulpwood and 98 percent of the mill residues used for pulpwood were used by pulp mills (Fig. 3).

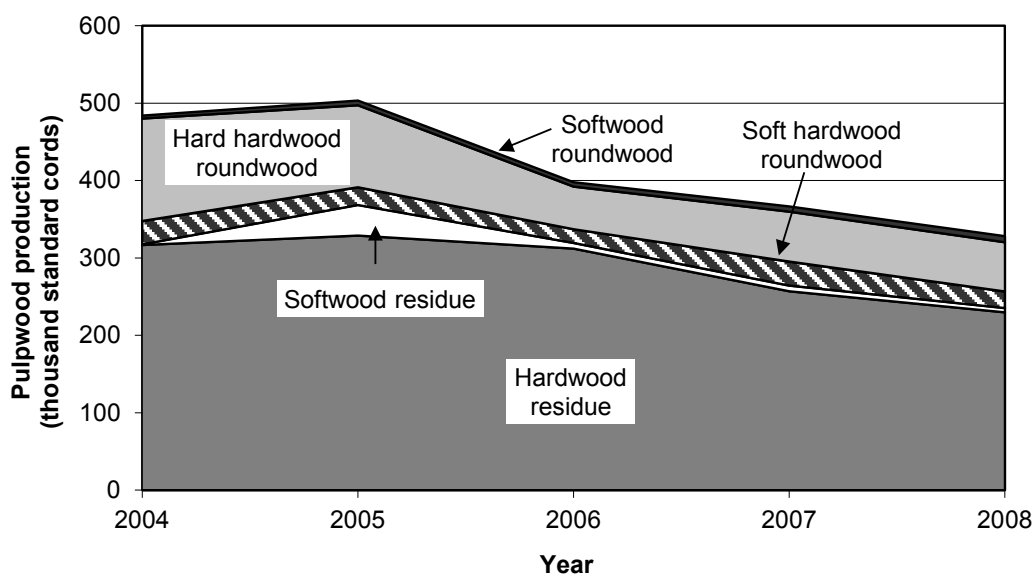


Figure 1.—Pulpwood production in the Central States by softwoods, hard hardwoods, soft hardwoods, and roundwood and residues, 2004-2008.

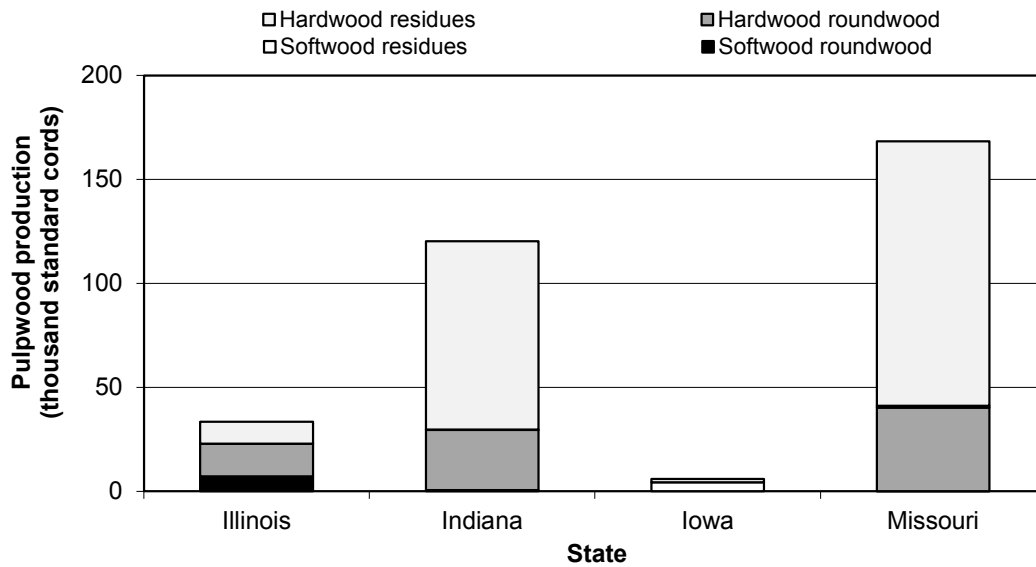


Figure 2.—Pulpwood production in the Central States by state, softwoods and hardwoods, and product form, 2008.

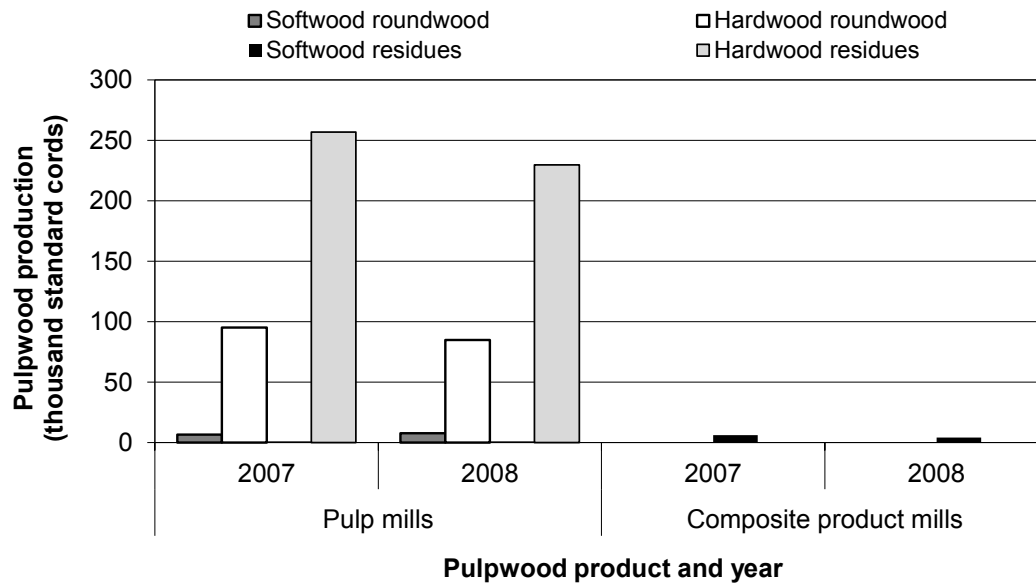


Figure 3.—Pulpwood production in the Central States by softwoods and hardwoods, product form, and mill type, 2007 and 2008.

Industry Trends and Analysis

- Pulpwood production from roundwood decreased by 9 percent. Pulpwood production from mill residues decreased by 11 percent.
- Only 1 percent of the roundwood and 4 percent of the mill residues that were produced in the Central States for pulpwood went to mills in the Central States.
- Mills in the Southern States received 92 percent of the total wood material produced in the Central States for pulpwood in 2008. Collectively, the Lake States and Mid-Atlantic States received 5 percent.
- In 2008, there were one pulp mill and one composite product mill in the Central States (Table 2).
- Pulpwood harvesting in most of the Central States was minimal in 2008. Fifty-five counties in the Central States had pulpwood harvesting. An average of 15 cords of pulpwood was harvested per thousand acres of timberland from these 55 counties. Only eight counties harvested more than 50 cords of pulpwood per thousand acres of timberland (Fig. 4).
- The International Paper mill in Terre Haute, IN, closed in October 2007.

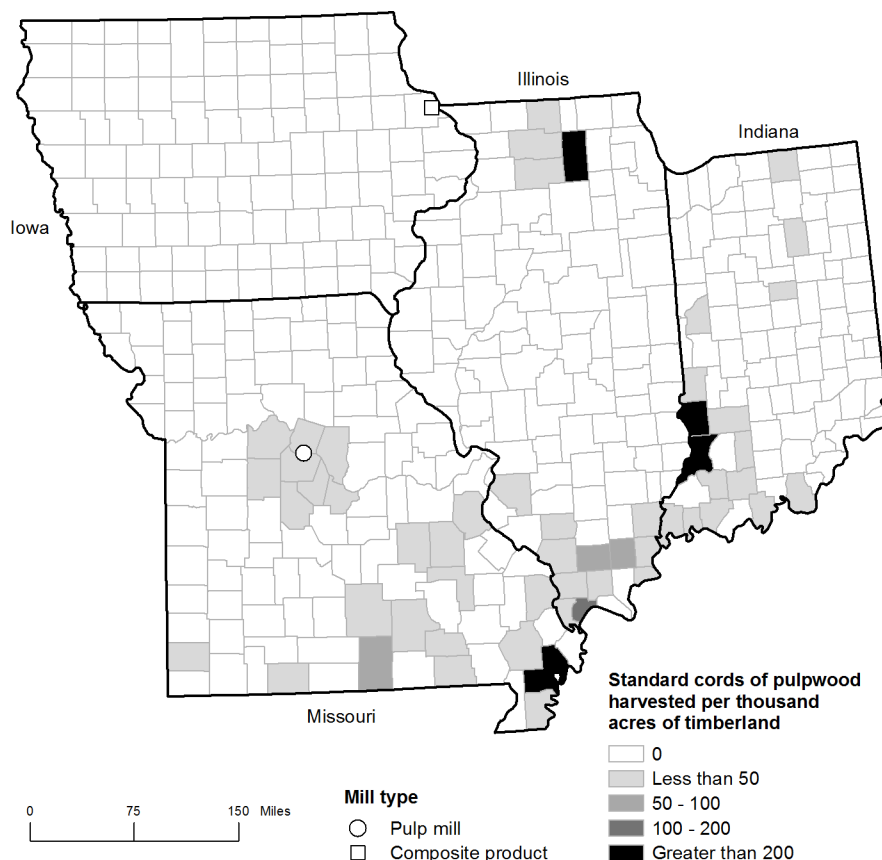


Figure 4.—Standard cords of pulpwood harvested per thousand acres of timberland in the Central States by county, 2008. Area of timberland is based on U.S. Forest Service Forest Inventory and Analysis data for 2008. The map shows active pulp and composite product mills. See Table 2 for pulpwood mills in the Central States.

LAKE STATES

Production

- Pulpwood production in the Lakes States rose from 7.8 million cords in 2007 to 8.2 million cords in 2008, a 5-percent increase. In 2008, 90 percent of the pulpwood produced came from roundwood and 10 percent were mill residues from other primary wood processors in the Lake States (Table 3).
- Aspen/balsam poplar² remained the dominant species group harvested for pulpwood in the Lake States in 2008 with 2.8 million cords or 38 percent of the total roundwood. Other important species harvested for pulpwood in 2008 were hard maple (901,000 cords), soft maple (885,000 cords), white birch (437,000 cords), and spruce (362,000 cords) (Fig. 5 and Table 4).
- Wisconsin was the leading producer of pulpwood in the Lake States in 2008 with 3.1 million cords. Michigan produced 2.7 million cords of pulpwood in 2008, followed by Minnesota with 2.3 million cords (Fig. 6).
- Seventy-eight percent (6.3 million cords) of the pulpwood produced in the Lake States went to pulp mills. The remaining 1.8 million cords of pulpwood produced went to composite product mills (Table 5).
- The production of pulpwood increased by 8 percent for pulp products and decreased by 7 percent for composite products between 2007 and 2008 (Fig. 7 and Table 6).

² Common and scientific names of tree species mentioned in this report are given in Appendix 2.

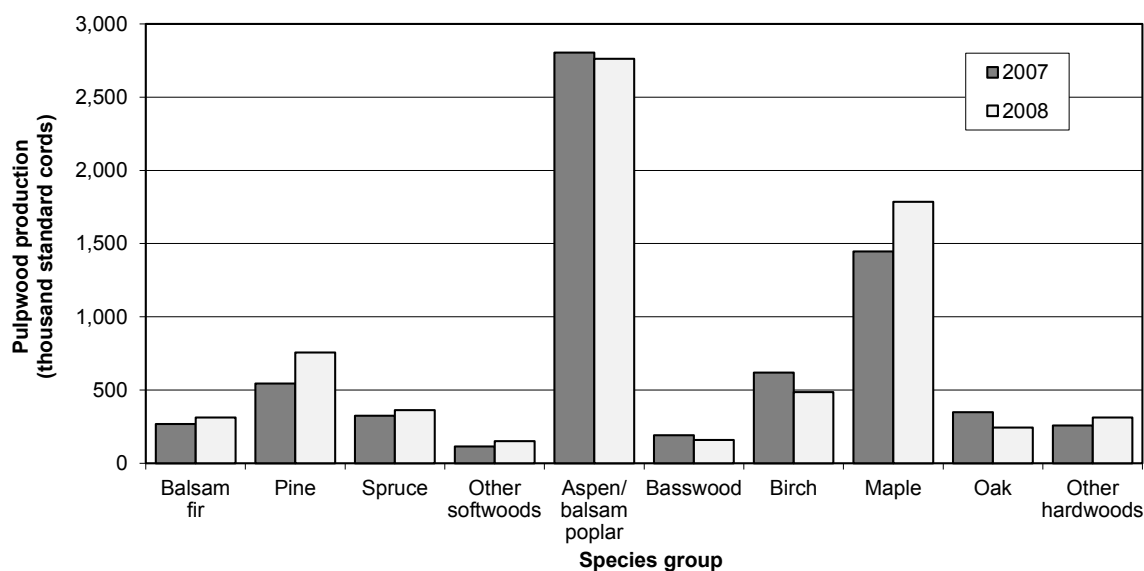


Figure 5.—Pulpwood production from roundwood in the Lake States by species group, 2007 and 2008.

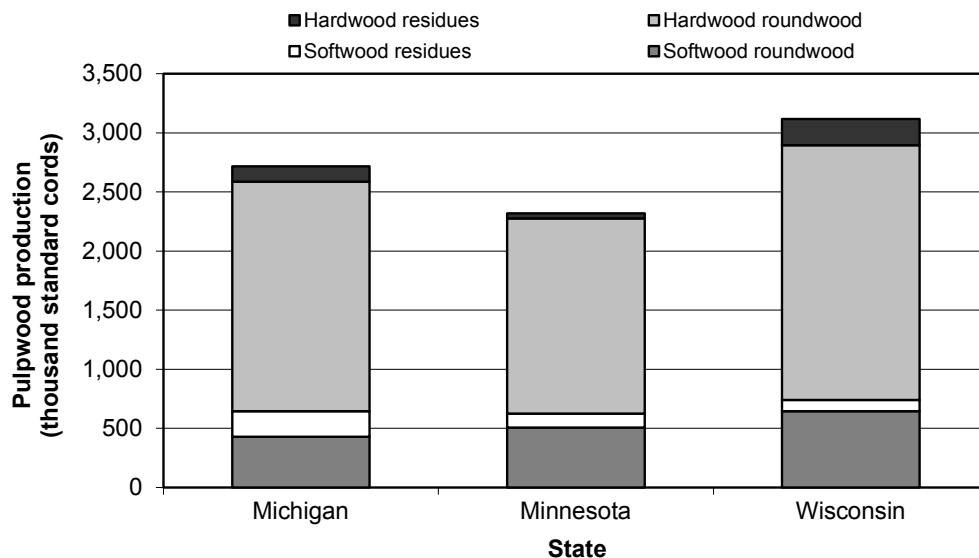


Figure 6.—Pulpwood production in the Lake States by state, softwoods and hardwoods, and product form, 2008.

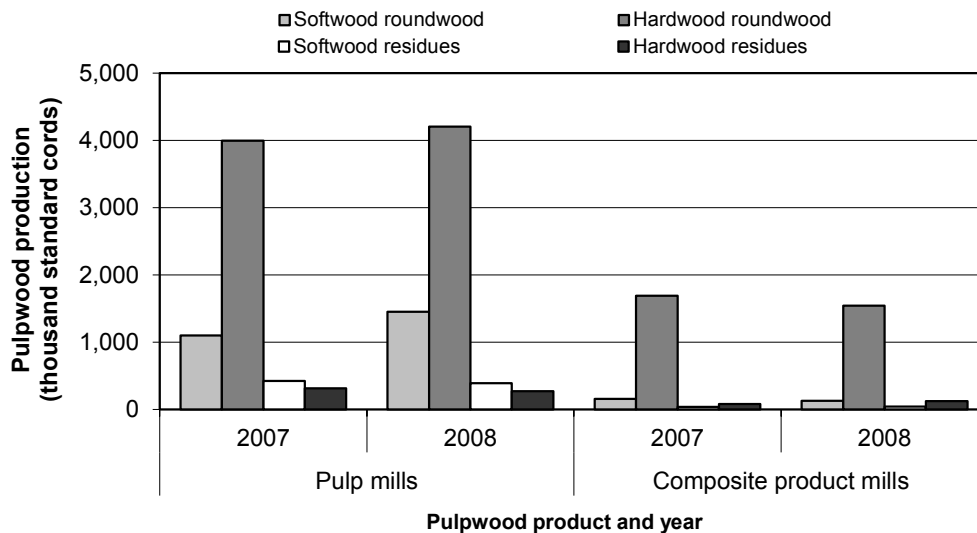


Figure 7.—Pulpwood production in the Lake States by softwoods and hardwoods, product form, and mill type, 2007 and 2008.

RECEIPTS

- In 2008, 21 pulp and 13 composite product mills in the Lake States acquired 8.1 million cords of pulpwood, an increase of 3 percent from the year before.
- Pulpwood mills in Wisconsin processed 36 percent of the total receipts in the Lake States, Michigan processed 33 percent, and Minnesota processed 31 percent.
- Ninety-eight percent of the pulpwood produced in the Lake States was processed by mills in the Lake States. The remaining pulpwood production was sent to mills in Iowa, Ohio, and Canada. Pulpwood mills in the Lake States acquired 98 percent of the total wood material required from Lake States pulpwood production. The remaining wood material acquired at Lake States pulpwood mills came from Illinois, Iowa, and Canada.

Industry Trends and Analysis

- Lake States pulpwood production from roundwood increased by 6 percent from 2007 to 2008 while pulpwood production from mill residues decreased by 4 percent.
- Seventy-nine percent of the roundwood harvested for pulpwood in the Lake States occurred in the northern tier of Forest Inventory Units (Eastern Upper Peninsula and Western Upper Peninsula Units of Michigan, Aspen-Birch and Northern Pine Units of Minnesota, and Northeastern and Northwestern Units of Wisconsin) (Tables 7, 8, and 9).
- In the Lake States, 169 counties had pulpwood harvesting, with an average of 155 cords of pulpwood harvested per thousand acres of timberland. Twenty-nine counties had pulpwood harvest levels greater than 200 cords per thousand acres of timberland (Fig. 8).
- Three mills closed in 2007: Ainsworth Engineered (USA), LLC, Cook, MN; CertainTeed Corp., Shakopee, MN; and Trus Joist by Weyerhaeuser, Deerwood, MN. Another three mills closed in 2008: Ainsworth Engineered (USA), LLC, Bemidji, MN; Domtar, Port Edward, WI; and NewPage, Niagara, WI. In 2009, the Smurfit-Stone, Ontonagon, MI, mill closed.

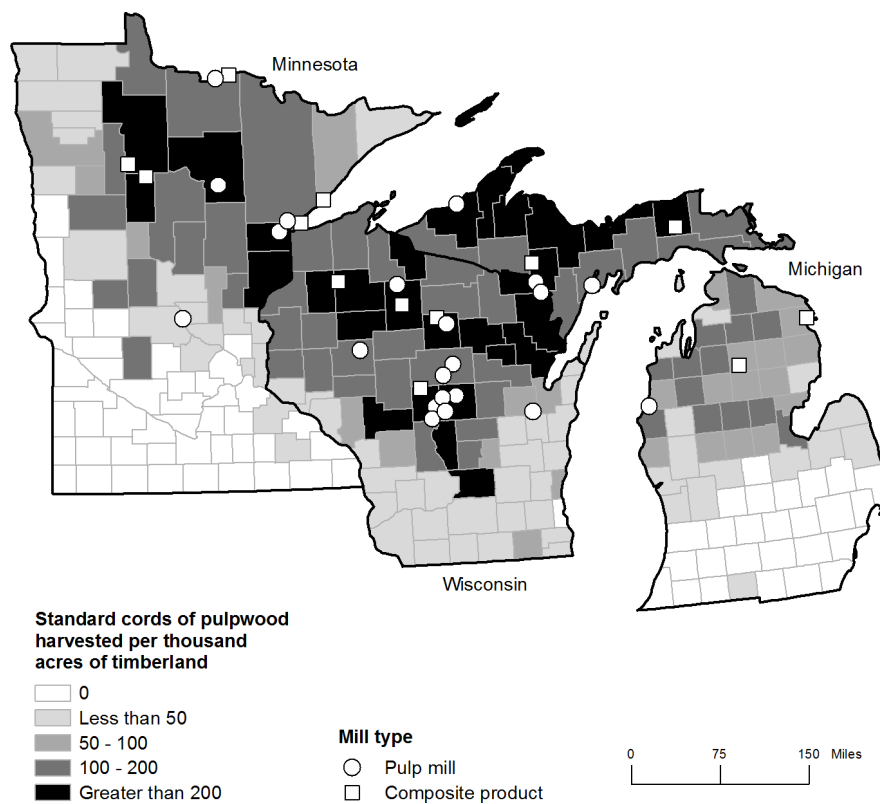


Figure 8.—Standard cords of pulpwood harvested per thousand acres of timberland in the Lake States by county, 2008. Area of timberland is based on U.S. Forest Service Forest Inventory and Analysis data for 2008. The map shows active pulp and composite products mills. See Table 10 for composite product mills in the Lake States.

MID-ATLANTIC STATES

Production

- Pulpwood production in the Mid-Atlantic States decreased by 3 percent, from 4.1 million cords in 2007 to 4.0 million cords in 2008. In 2008, 68 percent of the pulpwood produced came from roundwood and 32 percent came from mill residues from other primary wood processors in the Mid-Atlantic States (Table 11).
- Soft maple and yellow-poplar accounted for 26 percent of the total roundwood volume harvested for pulpwood in the Mid-Atlantic States in 2008, with 371,000 cords and 321,000 cords, respectively. Other important species harvested for pulpwood in 2008 were white oaks (213,000 cords), red oaks (208,000 cords), hard maple (203,000 cords), and black cherry (198,000 cords) (Fig. 9 and Table 12).
- Almost one-third (1.3 million cords) of the pulpwood produced in the Mid-Atlantic States came from Pennsylvania. West Virginia was the second largest producer of pulpwood with 1.1 million cords (Fig. 10).
- Pulp mills received 72 percent (2.8 million cords) of the pulpwood produced in the Mid-Atlantic States. The remaining 1.1 million cords of pulpwood produced went to composite product mills (Table 13).
- The production of pulpwood for pulp products remained at 2007 levels while production of pulpwood for composite products decreased by 11 percent (Fig. 11 and Table 14).

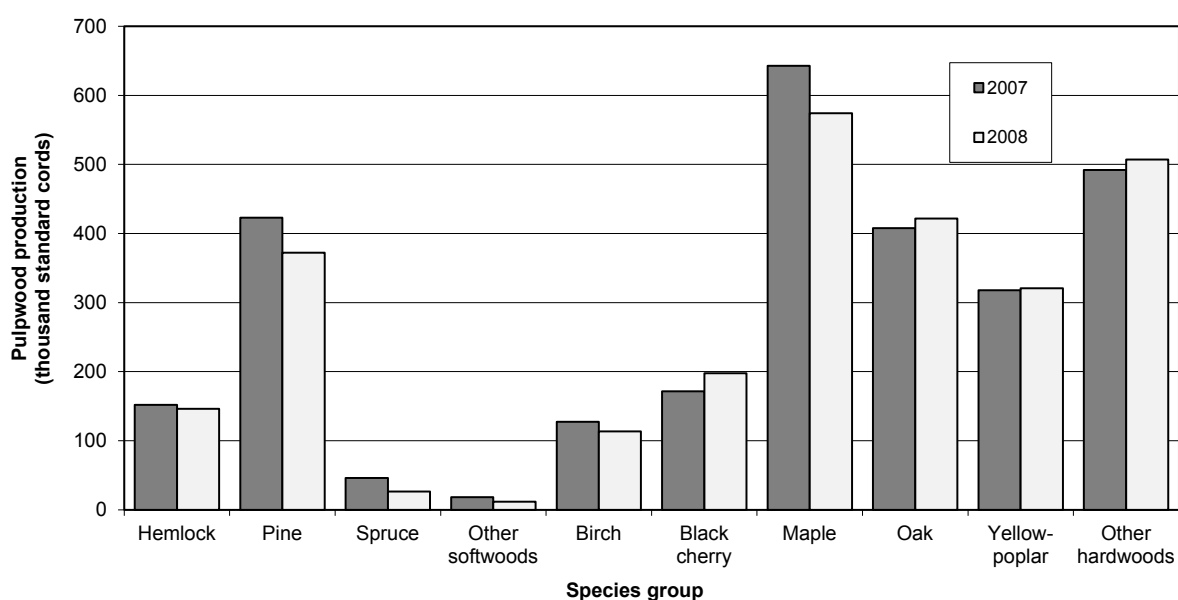


Figure 9.—Pulpwood production in the Mid-Atlantic States by species group, 2007 and 2008.

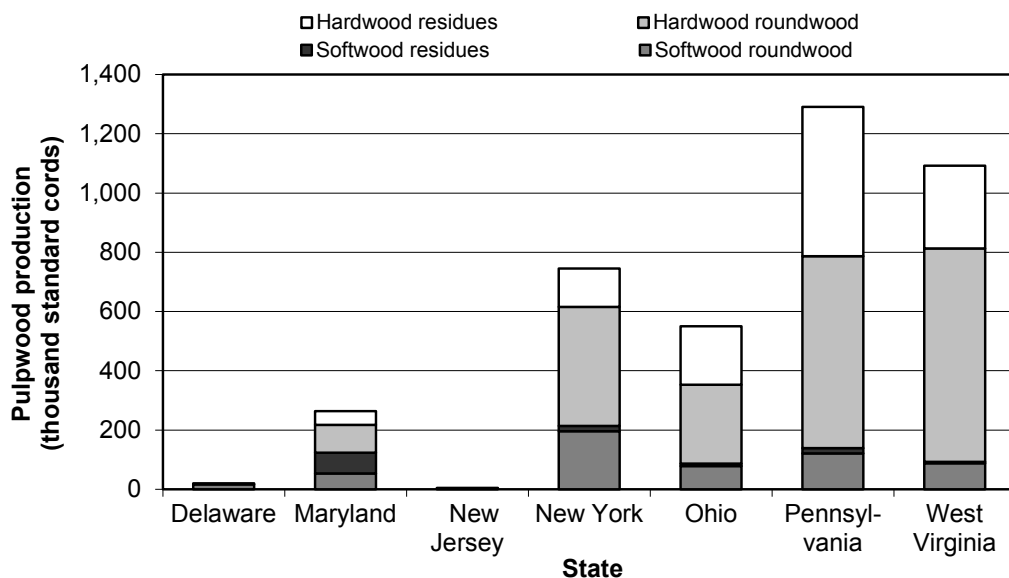


Figure 10.—Pulpwood production in the Mid-Atlantic States by state, softwoods and hardwoods, and product form, 2008.

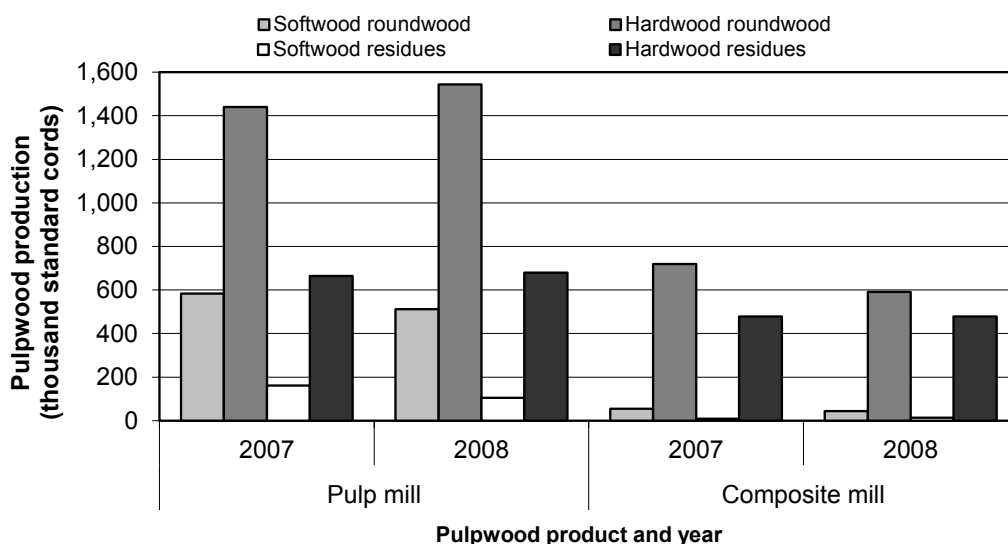


Figure 11.—Pulpwood production in the Mid-Atlantic States by softwoods and hardwoods, product form, and mill type, 2007 and 2008.

RECEIPTS

Because there is only one pulpwood mill left in Maryland and none in Delaware or New Jersey, detailed receipt information for those states will not be reported to avoid disclosure of the mill's operations.

- In 2008, 8 wood pulp mills and 10 composite product mills in the Mid-Atlantic States acquired 3.8 million cords of pulpwood, a decrease of 7 percent from 2007.
- Pulpwood mills in Pennsylvania processed 40 percent of the total receipts in the Mid-Atlantic States.

- Eighty-six percent of the pulpwood produced in the Mid-Atlantic States was processed by mills in the Mid-Atlantic States. The Southern States supplied 69 percent and the New England States supplied 26 percent of pulpwood that was imported into the Mid-Atlantic States. The remaining 5 percent of pulpwood imports came from the Central States, Lake States, and Canada.

Industry Trends and Analysis

- Pulpwood production in the Mid-Atlantic States decreased by 4 percent for roundwood and decreased by 3 percent for mill residues between 2007 and 2008.
- Roundwood harvested for pulpwood occurred in 253 of the 313 counties in the Mid-Atlantic States (Tables 15 through 19). One-quarter of the total harvest came from only eight counties: Maryland—Garrett County; New York—Essex, Franklin, St. Lawrence, and Saratoga Counties; Pennsylvania—McKean County; West Virginia—Fayette and Nicholas Counties.
- An average of 51 cords of pulpwood was harvested per thousand acres of timberland from the 253 counties in the Mid-Atlantic States that harvested pulpwood in 2008. Thirty-two counties harvested more than 100 cords of pulpwood per thousand acres of timberland (Fig. 12).
- The Great Lakes MDF mill in Lacawanna, NY, closed in 2007; the Knight-Celotex, LLC, mill in Sunbury, PA, closed in 2008; and the Norbord Industries, Inc., mill in Deposit, NY, closed in 2009.

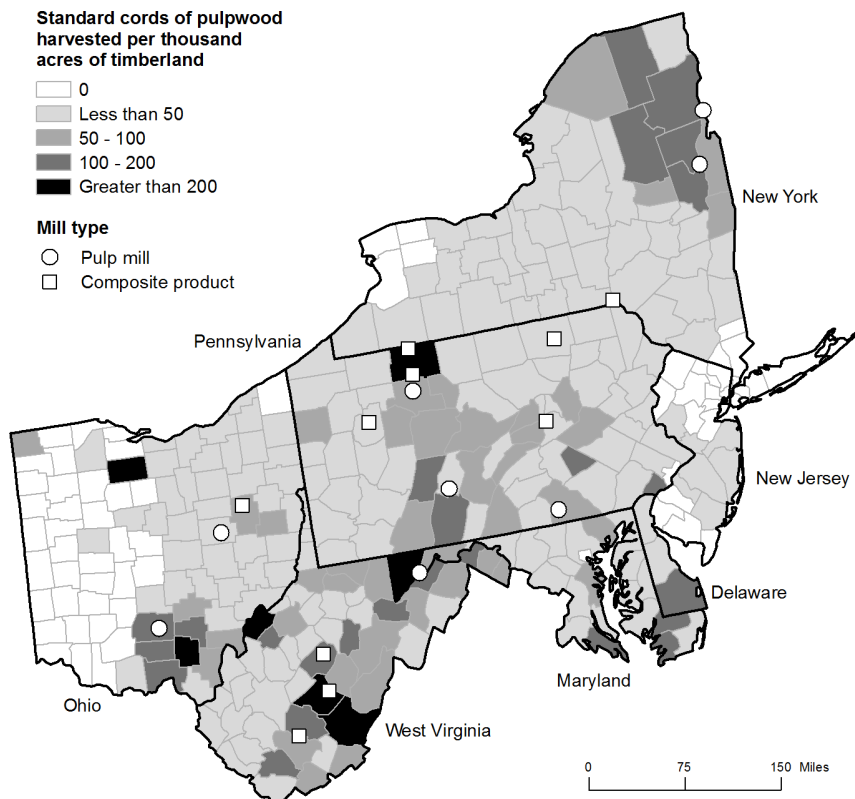


Figure 12.—Standard cords of pulpwood harvested per thousand acres of timberland in the Mid-Atlantic States by county, 2008. Area of timberland is based on U.S. Forest Service Forest Inventory and Analysis data for 2008. The map shows active pulp and composite product mills. See Table 20 for pulpwood mills in the Mid-Atlantic States.

NEW ENGLAND STATES

Production

- There were 4.5 million cords of pulpwood produced in the New England States in 2008, an increase of 1 percent from 2007. Eighty-eight percent of the pulpwood produced came from roundwood and 12 percent came from mill residues from other primary wood processors in the New England States (Table 21).
- Soft maple and hard maple, collectively, accounted for 27 percent of the total roundwood volume harvested for pulpwood in the New England States in 2008, with 598,000 cords and 469,000 cords, respectively. Other important species harvested for pulpwood in 2008 were spruce (521,000 cords), hemlock (487,000 cords), and aspen/balsam poplar (435,000 cords) (Fig. 13 and Table 22).
- Eighty-two percent (3.7 million cords) of the pulpwood produced in the New England States came from Maine. New Hampshire produced 11 percent of the pulpwood, Vermont produced 6 percent, and Connecticut, Massachusetts, and Rhode Island collectively produced 1 percent (Fig. 14).
- In 2008, 98 percent (4.4 million cords) of the pulpwood produced in the New England States went to pulp mills. The remaining 101,000 cords went to composite product mills (Table 23).
- From 2007 to 2008, the production of pulpwood increased by 4 percent for pulp products and decreased by 48 percent for composite products (Fig. 15 and Table 24).

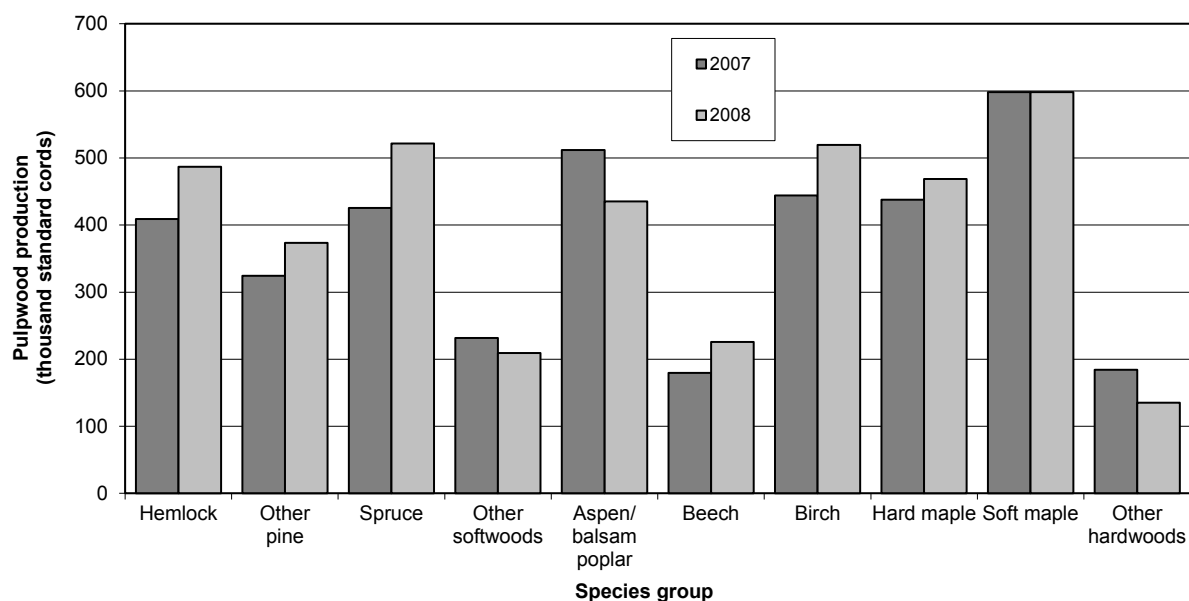


Figure 13.—Pulpwood production in the New England States by species group, 2007 and 2008.

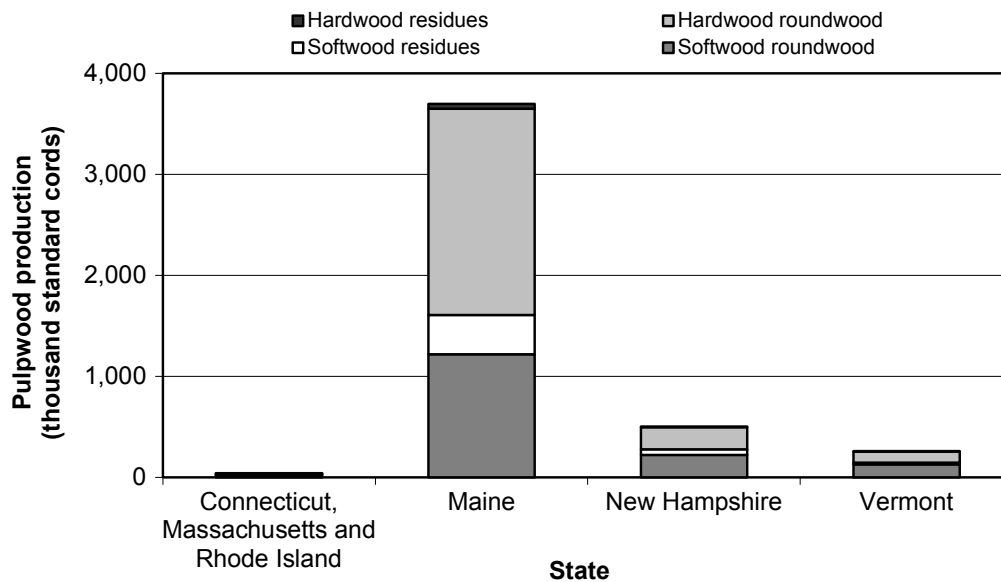


Figure 14.—Pulpwood production in the New England States by state, softwoods and hardwoods, and product form, 2008.

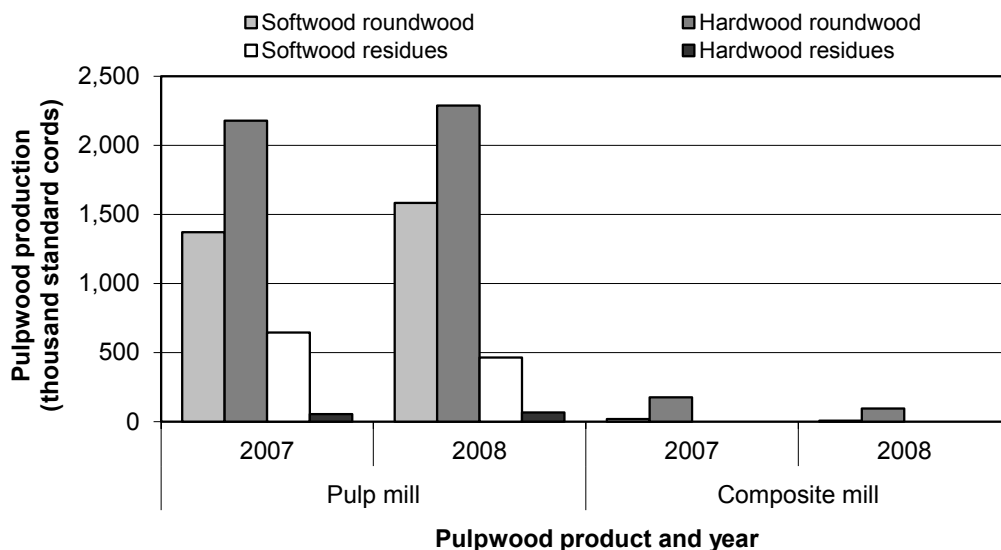


Figure 15.—Pulpwood production in the New England States by softwoods and hardwoods, product form, and mill type, 2007 and 2008.

Receipts

- In 2008, 10 wood pulp and 2 composite product mills in the New England States acquired 4.7 million cords of pulpwood, an increase of 3 percent from the year before. All of the remaining pulpwood mills in the New England States are in Maine.
- Almost 90 percent of the pulpwood produced in the New England States was processed by mills in Maine. All but a small fraction of the wood imported for pulpwood came from Canada. Less than 1 percent of the imported pulpwood came from the Mid-Atlantic States.

Industry Trends and Analysis

- Pulpwood production in the New England States increased by 1 percent from 2007 to 2008. Pulpwood production from roundwood increased by 6 percent while pulpwood production from mill residues decreased by 24 percent.
- Roundwood was harvested for pulpwood in 58 of the 67 counties in the New England States (Tables 25 and 26). More than 60 percent of the total harvest came from only five counties in Maine: Aroostook, Oxford, Penobscot, Piscataquis, and Somerset.
- An average of 133 cords of pulpwood was harvested per thousand acres of timberland from the 58 counties in the New England States that harvested pulpwood in 2008. Nineteen counties harvested more than 100 cords of pulpwood per thousand acres of timberland (Fig. 16).
- The Georgia-Pacific mill in Old Town, ME, which was shut down in 2006, was purchased and reopened by Red Shield in 2007. Louisiana-Pacific Corp. in New Limerick, ME, idled its oriented strand board mill in 2008, and began operations of a new parallel strand lumber mill in 2009. The Knight Celotex Corp. mill in Farmington, ME, closed in 2009.

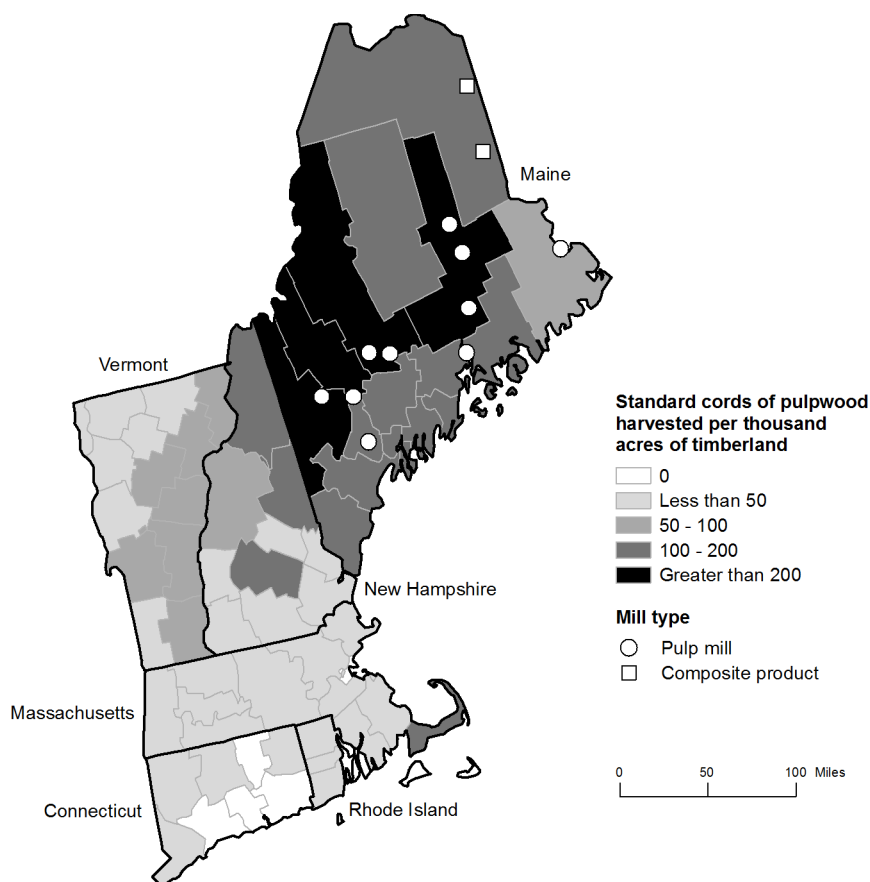


Figure 16.—Standard cords of pulpwood harvested per thousand acres of timberland in the New England States by county, 2008. Area of timberland is based on U.S. Forest Service Forest Inventory and Analysis data for 2008. The map shows active pulp and composite product mills. See Table 27 for pulpwood mills in the New England States.

PLAINS STATES

Because there is only one pulpwood mill in the Plains States, detailed production and receipts are not reported to avoid disclosure of the mill's operations.

PRODUCTION

- In 2008, the Plains States produced 59,000 cords of roundwood and mill residues for pulpwood, a decrease of 4 percent from 2007 (Fig. 17).
- All of the pulpwood produced in the Plains States in 2008 was mill residues from other wood-using mills in Kansas and South Dakota.
- The only mill in the Plains States in 2008 was Merillat Corporation, LLC, in Rapid City, SD, which had an annual particleboard production capacity of 95 million square feet, $\frac{3}{4}$ -inch basis.

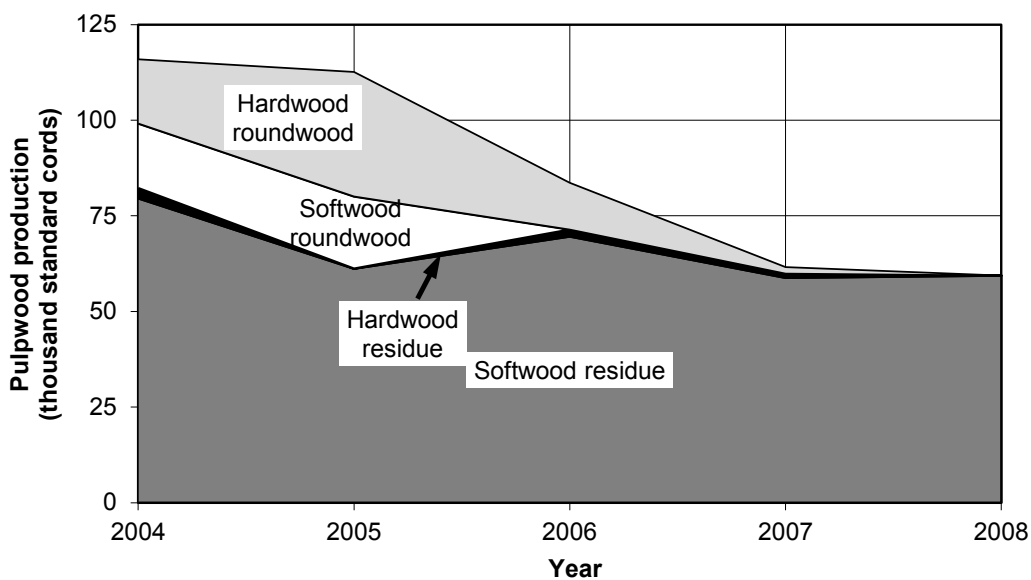


Figure 17.—Pulpwood production in the Plains States by softwoods and hardwoods, product form, 2004-2008.

APPENDIX 1: Definition of Terms

Composite products. Products manufactured from chips, wafers, strands, flakes, shavings, or sawdust and then reconstituted into a variety of panel and engineered lumber products. These products include engineered strand lumber, hardboard, medium density fiberboard, oriented strand board, and particleboard.

Consumption. The quantity of a commodity, such as pulpwood, utilized by a particular mill or group of mills. See Pulpwood receipts.

Cord. All references to cords are in standard cords. See Standard cord.

Exports. The volume of domestic roundwood utilized by mills outside a state or region where timber was cut or mill residues were produced.

Forest land. Land at least 10 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use. (Note: Stocking is measured by comparing specified standards with basal area, number of trees, age or size, and spacing, or a combination thereof.) The minimum area for classification of forest land is 1 acre. Roadside, streamside, and shelterbelt strips of timber must have a crown width of at least 120 feet to qualify as forest land. Unimproved roads and trails, streams or other bodies of water, or clearings in forest areas shall be classed as forest if less than 120 feet wide.

Growing-stock removals. The growing-stock volume removed from the timberland inventory by harvesting roundwood products. (Note: Includes sawtimber removals, poletimber removals, and logging residues.)

Growing-stock tree. A live timberland tree of commercial species that meets specified standards of size, quality, and merchantability. (Note: Excludes rough, rotten, and dead trees.)

Growing-stock volume. Net volume of growing-stock trees 5.0 inches d.b.h. and over, from 1 foot above the ground to a minimum 4.0-inch top diameter outside bark of the central stem or to the point where the central stem breaks into limbs.

Hardwoods. Dicotyledonous trees, usually broad-leaved and deciduous.

(a) **Hard hardwoods.** Hardwood species that have wood with an average specific gravity of greater than 0.50.

(b) **Soft hardwoods.** Hardwood species that have wood with an average specific gravity of 0.50 or less.

Harvest residues. The total net volume of unused portions of trees cut or killed by logging. (Note: Includes both logging residues and logging slash.)

Imports. The volume of domestic roundwood or mill residues delivered to a mill or group of mills in a specific state or region but harvested outside the state or region.

Primary wood processor. Mill receiving roundwood or chips from roundwood for processing into products such as lumber, veneer, and pulp.

Primary wood processing residue. Wood materials (coarse and fine) and bark generated at manufacturing plants that process roundwood into principal products. These residues include wood products (byproducts) obtained incidental to production of principal products and wood materials not utilized for some product.

(a) **Coarse mill residue.** Wood residue suitable for chipping such as slabs, edgings, and veneer cores.

(b) **Fine mill residue.** Wood residue not suitable for chipping such as sawdust and veneer clippings.

Product form. The type of wood material used in the production of pulpwood products. See Roundwood and Primary wood processing residue.

Pulpwood. Roundwood (includes roundwood that is chipped) and primary wood processing residues that will be reduced to individual wood fibers, fiber bundles, chips, or particles by chemical or mechanical means used to make a broad generic group of products that include pulp and composite products.

Pulpwood production. The volume of roundwood harvested, plus the wood residue volume produced by sawmills, veneer mills, etc. within a state or region and used for pulp, particleboard, waferboard, oriented strand board, medium density fiberboard, or engineered lumber, regardless of where it is consumed.

Pulpwood receipts. The quantity or volume of roundwood and primary wood processing residues received at a mill or by a group of mills in a state or region, regardless of geographic source. Volume of roundwood receipts is equal to the volume of roundwood retained in a state or region plus roundwood imported from other states or regions.

Residue. See Primary wood processing residue.

Retained. Roundwood and primary wood processing residue volume harvested from and processed by mills within the same state or region.

Roundwood. Any primary use of a tree (includes trees harvested and chipped) for use as industrial products such as saw logs, pulpwood, or veneer logs, intended to be processed into primary wood products such as lumber, wood pulp, or sheathing, at a primary wood processor.

Roundwood production. The total volume of known roundwood harvested within a state or region, regardless of where it is consumed. Roundwood production is the sum of timber harvested and used within a state or region and all roundwood exported to other states or regions.

Softwoods. Coniferous trees, usually evergreen, having needles or scale-like leaves.

Standard cord. A unit of measure applied to roundwood, usually bolts or split wood. It is a stack of wood 4 feet high, 4 feet wide, and 8 feet long encompassing 128 cubic feet of wood, bark, and air space. The Northern Region estimates 79 cubic feet of wood per cord for pulpwood in the Central States, Lake States, and Plains States, and 85 cubic feet of wood per cord for pulpwood in the Mid-Atlantic States and New England States.

Timber product output. The volume of roundwood products produced from an area's forests plus the volume of byproduct recovered from mill residues.

Timberland. Forest land that is producing, or is capable of producing, in excess of 20 cubic feet per acre per year of roundwood products under natural conditions, is not withdrawn from timber utilization by statute or administrative regulation, and is not associated with urban or rural development.

Tree. A woody plant usually having one or more perennial stems, a more or less definitely formed crown of foliage, and a height of at least 12 feet at maturity.

APPENDIX 2: Common and Scientific Names of Tree Species within Species Groups Mentioned in this Report

Softwoods

Cedars

Atlantic white-cedar	<i>Chamaecyparis thyoides</i>
Rocky Mountain juniper	<i>Juniperus scopulorum</i>
Eastern redcedar	<i>Juniperus virginiana</i>
Northern white-cedar	<i>Thuja occidentalis</i>

Balsam fir	<i>Abies balsamea</i>
Eastern hemlock	<i>Tsuga canadensis</i>
Tamarack	<i>Larix laricina</i>
Jack pine	<i>Pinus banksiana</i>
Shortleaf pine	<i>Pinus echinata</i>
Loblolly pine	<i>Pinus taeda</i>
Ponderosa pine	<i>Pinus ponderosa</i>
Red pine	<i>Pinus resinosa</i>
White pine	<i>Pinus strobus</i>

Other pines

Table Mountain pine	<i>Pinus pungens</i>
Pitch pine	<i>Pinus rigida</i>
Pond pine	<i>Pinus serotina</i>
Scotch pine	<i>Pinus sylvestris</i>
Virginia pine	<i>Pinus virginiana</i>
Austrian pine	<i>Pinus nigra</i>

Spruce

Norway spruce	<i>Picea abies</i>
White spruce	<i>Picea glauca</i>
Black spruce	<i>Picea mariana</i>
Blue spruce	<i>Picea pungens</i>
Red spruce	<i>Picea rubens</i>

Hardwoods

Ash

White ash	<i>Fraxinus americana</i>
Black ash	<i>Fraxinus nigra</i>
Green ash	<i>Fraxinus pennsylvanica</i>
Pumpkin ash	<i>Fraxinus profunda</i>
Blue ash	<i>Fraxinus quadrangulata</i>

Aspen/balsam poplar

Balsam poplar	<i>Populus balsamifera</i>
Bigtooth aspen	<i>Populus grandidentata</i>
Quaking aspen	<i>Populus tremuloides</i>

Basswood

American basswood	<i>Tilia americana</i>
White basswood	<i>Tilia americana</i> var. <i>heterophylla</i>

APPENDIX 2: continued

American beech	<i>Fagus grandifolia</i>
Yellow birch	<i>Betula alleghaniensis</i>
White birch	<i>Betula papyrifera</i>
Other birches	
Sweet birch	<i>Betula lenta</i>
River birch	<i>Betula nigra</i>
Gray birch	<i>Betula populifolia</i>
Black cherry	<i>Prunus serotina</i>
Black walnut	<i>Juglans nigra</i>
Cottonwood	
Eastern cottonwood	<i>Populus deltoides</i>
Swamp cottonwood	<i>Populus heterophylla</i>
Elm	
Winged elm	<i>Ulmus alata</i>
American elm	<i>Ulmus americana</i>
Siberian elm	<i>Ulmus pumila</i>
Slippery elm	<i>Ulmus rubra</i>
Rock elm	<i>Ulmus thomasi</i>
Hickory	
Mockernut hickory	<i>Carya alba</i>
Water hickory	<i>Carya aquatica</i>
Bitternut hickory	<i>Carya cordiformis</i>
Pignut hickory	<i>Carya glabra</i>
Pecan	<i>Carya illinoensis</i>
Shellbark hickory	<i>Carya laciniosa</i>
Shagbark hickory	<i>Carya ovata</i>
Black hickory	<i>Carya texana</i>
Hard maples	
Black maple	<i>Acer nigrum</i>
Norway maple	<i>Acer platanoides</i>
Sugar maple	<i>Acer saccharum</i>
Soft maples	
Boxelder	<i>Acer negundo</i>
Red maple	<i>Acer rubrum</i>
Silver maple	<i>Acer saccharinum</i>
Red oak group	
Scarlet oak	<i>Quercus coccinea</i>
Northern pin oak	<i>Quercus ellipsoidalis</i>
Southern red oak	<i>Quercus falcata</i>
Shingle oak	<i>Quercus imbricaria</i>
Blackjack oak	<i>Quercus marilandica</i>
Water oak	<i>Quercus nigra</i>
Cherrybark oak	<i>Quercus pagoda</i>
Pin oak	<i>Quercus palustris</i>

APPENDIX 2: continued

Willow oak	<i>Quercus phellos</i>
Northern red oak	<i>Quercus rubra</i>
Shumard oak	<i>Quercus shumardii</i>
Black oak	<i>Quercus velutina</i>
White oak group	
White oak	<i>Quercus alba</i>
Swamp white oak	<i>Quercus bicolor</i>
Overcup oak	<i>Quercus lyrata</i>
Bur oak	<i>Quercus macrocarpa</i>
Swamp chestnut oak	<i>Quercus michauxii</i>
Chinkapin oak	<i>Quercus muehlenbergii</i>
Chestnut oak	<i>Quercus prinus</i>
Post oak	<i>Quercus stellata</i>
Sweetgum	<i>Liquidambar styraciflua</i>
American sycamore	<i>Platanus occidentalis</i>
Tupelo/gum	
Water tupelo	<i>Nyssa aquatica</i>
Swamp tupelo	<i>Nyssa biflora</i>
Blackgum	<i>Nyssa sylvatica</i>
Yellow-poplar	<i>Liriodendron tulipifera</i>
Other hardwoods	
Ohio buckeye	<i>Aesculus glabra</i>
Northern catalpa	<i>Catalpa speciosa</i>
Sugarberry	<i>Celtis laevigata</i>
Hackberry	<i>Celtis occidentalis</i>
Flowering dogwood	<i>Cornus florida</i>
Common persimmon	<i>Diospyros virginiana</i>
Waterlocust	<i>Gleditsia aquatica</i>
Honeylocust	<i>Gleditsia triacanthos</i>
Kentucky coffeetree	<i>Gymnocladus dioica</i>
American holly	<i>Ilex opaca</i>
Butternut	<i>Juglans cinerea</i>
Cucumbertree	<i>Magnolia acuminata</i>
White mulberry	<i>Morus alba</i>
Red mulberry	<i>Morus rubra</i>
Paulownia or empress-tree	<i>Paulownia tomentosa</i>
Pin cherry	<i>Prunus pensylvanica</i>
Chokecherry	<i>Prunus virginiana</i>
Black locust	<i>Robinia pseudoacacia</i>
White willow	<i>Salix alba</i>
Black willow	<i>Salix nigra</i>
Weeping willow	<i>Salix sepulcralis</i>
Sassafras	<i>Sassafras albidum</i>

APPENDIX 3: Conversion Factors Used in the Northern Region

Standard cords of roundwood per green ton (green tons × factor = standard cords):

Species	Factor	Species	Factor
Softwoods	0.4688	White birch	0.4018
Northern white-cedar	.6329	Yellow birch	.3723
Balsam fir	.4688	River birch	.3871
Hemlock	.4150	Sweetgum	.3669
Jack pine	.4688	Yellow-poplar	.4219
Red pine	.4688	Blackgum	.3779
White pine	.4777	Sycamore	.4083
Shortleaf pine	.3956	Cottonwood	.4291
Spruce	.5014	Elm	.4018
Tamarack	.4291	Hickory	.3701
Hardwoods	.3939	Hard maple	.3617
Soft hardwoods	.4171	Soft maple	.4083
Hard hardwoods	.3708	Black cherry	.4688
Ash	.4330	Red oak	.3444
Aspen	.4291	White oak	.3723
Balsam poplar	.4083	Black oak	.3444
Basswood	.5167	Other hardwoods	.4777
Beech	.3956		

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Table 28.—Other mills using Northern Region pulpwood in 2008 by company, location, and type of product produced

TABLES

Table 1.—Pulpwood production, in standard cords, unpeeled, by product form and species group, Central States, 2004-2008

Product form and species group	Year				
	2004	2005	2006	2007	2008
Roundwood					
Softwood	3,854	6,076	5,684	6,809	7,873
Soft hardwood	30,017	22,712	17,692	30,970	21,320
Hard hardwood	132,280	105,937	55,057	64,402	63,567
Total	166,151	134,724	78,433	102,181	92,760
Residues					
Softwood	1,071	39,713	7,371	7,440	5,657
Hardwood	316,767	328,968	312,110	257,007	229,785
Total	317,838	368,681	319,481	264,447	235,442
Total all wood material	483,989	503,405	397,914	366,629	328,202

Columns may not add to their totals due to rounding.

Table 2.—Average production of active wood-pulp mills by company, location, and type of pulp produced, Central States, 2008

Product and company	Location	Product produced	Average production
Pulp mills			
Huebert Fiberboard, Inc.	Boonville, Missouri	Groundwood/mechanical pulp	80 tons of pulp per day
Composite product mills			
Jeld-Wen Wood Fiber Division	Dubuque, Iowa	Medium density fiberboard	80 million ft ² , 3/4-inch basis per year

Table 3.—Pulpwood production and imports, in standard cords, unpeeled, Lake States, 2008

Product form, species group, and destination	Production by state ^a			Regional total	Imports		Total imports	Total receipts
	Michigan	Minnesota	Wisconsin		Central States	Canada		
Softwood roundwood								
Northern white-cedar								
Michigan	1,642	--	49	1,692	--	6	6	1,698
Minnesota	--	908	--	908	--	--	--	908
Wisconsin	--	--	216	216	--	--	--	216
Total	1,642	908	265	2,816	--	6	6	2,822
Balsam fir								
Michigan	58,315	--	5,038	63,353	--	190	190	63,543
Minnesota	51	139,622	26,327	165,999	--	243	243	166,242
Wisconsin	5,268	2,233	60,262	67,763	--	289	289	68,052
Canada	6,713	7,791	--	14,504	--	--	--	--
Total	70,348	149,645	91,627	311,619	--	722	722	297,837
Hemlock								
Michigan	71,007	--	3,614	74,621	--	77	77	74,698
Wisconsin	698	--	7,896	8,594	--	48	48	8,642
Total	71,706	--	11,509	83,215	--	125	125	83,340
Jack pine								
Michigan	101,934	--	6,455	108,389	--	106	106	108,496
Minnesota	--	35,552	516	36,068	--	7,026	7,026	43,095
Wisconsin	21,561	5,650	97,363	124,575	--	45	45	124,619
Canada	--	2,275	--	2,275	--	--	--	--
Total	123,496	43,477	104,334	271,307	--	7,177	7,177	276,210
Red pine								
Michigan	60,152	--	6,179	66,331	--	89	89	66,420
Minnesota	--	24,003	1,662	25,665	--	523	523	26,188
Wisconsin	13,109	7,821	235,660	256,590	263	157	421	257,011
Canada	--	1,285	18	1,303	--	--	--	--
Total	73,261	33,109	243,519	349,890	263	769	1,032	349,619
White pine								
Michigan	15,509	--	1,465	16,974	--	55	55	17,030
Minnesota	--	3,973	--	3,973	--	--	--	3,973
Wisconsin	1,879	975	99,361	102,214	4,172	136	4,308	106,522
Canada	--	60	--	60	--	--	--	--
Total	17,388	5,008	100,826	123,222	4,172	191	4,363	127,525
Other pine								
Michigan	47	--	4	51	--	--	--	51
Minnesota	--	7,508	3,141	10,649	--	--	--	10,649
Wisconsin	4	--	879	882	--	2	2	884
Other ^b	579	--	--	579	--	--	--	--
Total	630	7,508	4,023	12,161	--	2	2	11,584
Spruce								
Michigan	21,691	--	1,057	22,748	--	66	66	22,814
Minnesota	5	184,003	2,099	186,106	--	45	45	186,151
Wisconsin	27,402	30,101	79,378	136,881	--	6,123	6,123	143,003
Canada	14,054	2,675	--	16,729	--	--	--	--
Total	63,151	216,779	82,535	362,465	--	6,233	6,233	351,968
Tamarack								
Michigan	7,628	--	438	8,066	--	27	27	8,093
Minnesota	--	41,816	--	41,816	--	--	--	41,816
Wisconsin	113	337	5,027	5,477	--	34	34	5,511
Canada	--	8,873	--	8,873	--	--	--	--
Total	7,741	51,026	5,466	64,232	--	61	61	55,419
Total softwood roundwood								
Michigan	337,926	--	24,299	362,225	--	616	616	362,841
Minnesota	55	437,385	33,745	471,186	--	7,837	7,837	479,022
Wisconsin	70,035	47,116	586,041	703,192	4,436	6,833	11,269	714,461
Other ^b	579	--	--	579	--	--	--	--
Canada	20,767	22,959	18	43,745	--	--	--	--
Total	429,362	507,461	644,104	1,580,927	4,436	15,286	19,721	1,556,325
Softwood residues								
Michigan	139,042	--	480	139,523	--	--	--	139,523
Minnesota	--	72,499	1,386	73,885	--	--	--	73,885
Wisconsin	48,770	12	87,092	135,874	16	3,522	3,538	139,412
Other ^b	--	800	6,400	7,200	--	--	--	--
Canada	28,354	44,597	--	72,951	--	--	--	--
Total	216,167	117,909	95,358	429,434	16	3,522	3,538	352,820
Total softwood material								
Michigan	476,968	--	24,780	501,748	--	616	616	502,364
Minnesota	55	509,885	35,131	545,071	--	7,837	7,837	552,907
Wisconsin	118,805	47,128	673,133	839,067	4,451	10,355	14,807	853,873
Other ^b	579	800	6,400	7,779	--	--	--	--
Canada	49,121	67,556	18	116,696	--	--	--	--
Total	645,529	625,369	739,462	2,010,360	4,451	18,808	23,259	1,909,145

(Table 3 continued on next page)

(Table 3 continued)

Product form, species group, and destination	Production by state ^a			Regional total	Imports			Total receipts
	Michigan	Minnesota	Wisconsin		Central States	Canada	Total imports	
Hardwood roundwood								
Ash								
Michigan	31,017	--	5,038	36,055	65	722	786	36,841
Minnesota	727	23,849	5,050	29,625	--	--	--	29,625
Wisconsin	7,564	2,688	70,428	80,680	2	296	298	80,978
Canada	--	469	1	471	--	--	--	--
Total	39,307	27,006	80,517	146,831	66	1,018	1,084	147,444
Aspen/balsam poplar								
Michigan	703,208	--	64,347	767,555	--	29,073	29,073	796,629
Minnesota	2,239	1,255,671	64,436	1,322,346	--	22,746	22,746	1,345,092
Wisconsin	14,913	30,096	599,079	644,088	--	17,662	17,662	661,750
Canada	1,174	26,524	97	27,795	--	--	--	--
Total	721,535	1,312,291	727,960	2,761,785	--	69,481	69,481	2,803,471
Basswood								
Michigan	63,678	--	16,593	80,271	228	1,040	1,268	81,539
Minnesota	258	11,906	3,595	15,759	--	--	--	15,759
Wisconsin	857	718	60,371	61,947	--	--	--	61,947
Canada	--	111	1	113	--	--	--	--
Total	64,793	12,735	80,560	158,089	228	1,040	1,268	159,244
Beech								
Michigan	85,938	--	5,510	91,448	--	4,721	4,721	96,169
Wisconsin	--	--	1,963	1,963	--	1	1	1,965
Total	85,938	--	7,473	93,412	--	4,722	4,722	98,134
White birch								
Michigan	62,232	--	3,401	65,633	--	639	639	66,272
Minnesota	4	89,777	6,511	96,291	--	9	9	96,300
Wisconsin	45,542	28,613	198,228	272,383	2	967	969	273,352
Canada	--	2,973	--	2,973	--	--	--	--
Total	107,778	121,362	208,140	437,279	2	1,616	1,617	435,924
Yellow birch								
Michigan	22,437	--	3,220	25,658	--	414	414	26,071
Minnesota	21	1,272	589	1,882	--	--	--	1,882
Wisconsin	2,415	868	18,102	21,384	--	95	95	21,480
Total	24,873	2,140	21,911	48,924	--	509	509	49,433
Other birch								
Wisconsin	--	--	10	10	--	--	--	10
Total	--	--	10	10	--	--	--	10
Black cherry								
Michigan	16,024	--	3,871	19,896	539	561	1,100	20,996
Wisconsin	139	--	1,971	2,110	359	2	361	2,471
Total	16,163	--	5,842	22,005	898	563	1,461	23,467
Cottonwood								
Minnesota	--	26,567	--	26,567	--	--	--	26,567
Wisconsin	--	--	96	96	--	--	--	96
Total	--	26,567	96	26,663	--	--	--	26,663
Elm								
Michigan	88	--	31	119	265	4	270	389
Wisconsin	2,132	937	16,044	19,113	16	101	118	19,230
Total	2,220	937	16,075	19,231	282	106	387	19,619
Hickory								
Wisconsin	--	--	729	729	18	1	19	748
Total	--	--	729	729	18	1	19	748
Hard maple								
Michigan	401,302	--	82,714	484,016	--	11,407	11,407	495,423
Minnesota	49,340	26,339	58,908	134,587	--	--	--	134,587
Wisconsin	29,094	11,709	242,069	282,872	8	759	768	283,640
Total	479,736	38,048	383,691	901,475	8	12,167	12,175	913,650
Soft maple								
Michigan	340,697	--	54,082	394,779	--	8,629	8,629	403,407
Minnesota	--	98,284	130,756	229,040	--	--	--	229,040
Wisconsin	26,746	9,216	222,351	258,313	8	1,000	1,007	259,320
Canada	--	2,408	1	2,409	--	--	--	--
Total	367,443	109,909	407,190	884,541	8	9,628	9,636	891,768
Red oak								
Michigan	19,250	--	6,180	25,430	38	331	368	25,798
Minnesota	--	--	33	33	--	--	--	33
Wisconsin	4,897	287	183,665	188,850	28	37	65	188,915
Total	24,148	287	189,879	214,314	65	368	433	214,747
White oak								
Michigan	1,801	--	--	1,801	--	--	--	1,801
Wisconsin	2,008	37	24,672	26,717	174	5	179	26,896
Total	3,810	37	24,672	28,519	174	5	179	28,697

(Table 3 continued on next page)

(Table 3 continued)

Product form, species group, and destination	Production by state ^a			Regional total	Imports		Total imports	Total receipts
	Michigan	Minnesota	Wisconsin		Central States	Canada		
Other hardwoods								
Michigan	2,928	--	--	2,928	--	--	--	2,928
Wisconsin	0	--	470	471	6	0	6	477
Total	2,929	--	470	3,399	6	0	6	3,405
Total hardwood roundwood								
Michigan	1,750,600	0	244,988	1,995,589	1,135	57,541	58,676	2,054,264
Minnesota	52,588	1,533,664	269,877	1,856,129	--	22,755	22,755	1,878,885
Wisconsin	136,309	85,169	1,640,249	1,861,727	620	20,928	21,547	1,883,275
Canada	1,174	32,486	101	33,761	--	--	--	--
Total	1,940,672	1,651,319	2,155,215	5,747,206	1,755	101,224	102,979	5,816,424
Hardwood residues								
Michigan	106,501	--	18,095	124,596	--	--	--	124,596
Minnesota	--	36,813	1,930	38,743	--	--	--	38,743
Wisconsin	5,344	3,655	200,724	209,723	1,685	--	1,685	211,408
Other ^b	--	--	2,400	2,400	--	--	--	--
Canada	18,151	2,127	--	20,278	--	--	--	--
Total	129,996	42,595	223,149	395,740	1,685	--	1,685	374,747
Total hardwood material								
Michigan	1,857,102	--	263,083	2,120,185	1,135	57,541	58,676	2,178,861
Minnesota	52,588	1,570,477	271,807	1,894,872	--	22,755	22,755	1,917,628
Wisconsin	141,653	88,824	1,840,973	2,071,450	2,305	20,928	23,232	2,094,682
Other ^b	--	--	2,400	2,400	--	--	--	--
Canada	19,325	34,613	101	54,039	--	--	--	--
Total	2,070,668	1,693,914	2,378,364	6,142,946	3,440	101,224	104,664	6,191,171
Total all roundwood								
Michigan	2,088,527	--	269,287	2,357,814	1,135	58,157	59,292	2,417,106
Minnesota	52,643	1,971,049	303,622	2,327,315	--	30,592	30,592	2,357,907
Wisconsin	206,344	132,285	2,226,290	2,564,919	5,055	27,761	32,816	2,597,735
Other ^b	579	--	--	579	--	--	--	--
Canada	21,941	55,445	119	77,505	--	--	--	--
Total	2,370,034	2,158,780	2,799,319	7,328,133	6,190	116,510	122,700	7,372,748
Total all residues								
Michigan	245,543	--	18,575	264,119	--	--	--	264,119
Minnesota	--	109,312	3,316	112,628	--	--	--	112,628
Wisconsin	54,114	3,667	287,816	345,597	1,701	3,522	5,223	350,820
Other ^b	--	800	8,800	9,600	--	--	--	--
Canada	46,506	46,724	--	93,230	--	--	--	--
Total	346,163	160,504	318,507	825,174	1,701	3,522	5,223	727,567
Total all wood material								
Michigan	2,334,070	--	287,863	2,621,933	1,135	58,157	59,292	2,681,225
Minnesota	52,643	2,080,361	306,938	2,439,943	--	30,592	30,592	2,470,535
Wisconsin	260,458	135,953	2,514,106	2,910,516	6,756	31,283	38,039	2,948,556
Other ^b	579	800	8,800	10,179	--	--	--	--
Canada	68,447	102,169	119	170,735	--	--	--	--
Total	2,716,197	2,319,283	3,117,827	8,153,306	7,891	120,032	127,923	8,100,316

^a Vertical columns of figures under the box heading "Production by State" present the amount of roundwood cut or residue generated in each state.^b Pulpwood shipped to mills outside of region.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled.

Columns and rows may not add to their totals due to rounding.

Table 4.—Pulpwood production from roundwood, in thousand standard cords, unpeeled, by state and species group, Lake States, 2004-2008

State	All species					Pine					Spruce				
	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008
Michigan	2,658	2,557	2,161	2,159	2,370	264	285	132	133	215	74	64	49	51	63
Minnesota	2,876	3,023	2,470	2,172	2,159	205	200	147	94	89	165	184	195	191	217
Wisconsin	3,302	3,311	2,879	2,610	2,799	445	500	293	321	453	58	63	90	82	83
Total Lake States	8,836	8,890	7,510	6,941	7,328	914	985	573	547	757	297	311	334	324	362

State	Balsam fir					Other softwoods					Aspen/balsam poplar				
	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008
Michigan	79	65	58	50	70	87	59	56	51	81	894	872	559	713	722
Minnesota	167	191	160	155	150	40	--	--	2	52	1,914	1,926	1,599	1,395	1,312
Wisconsin	78	101	69	64	92	46	35	18	16	17	984	943	815	708	728
Total Lake States	324	357	288	269	312	173	95	74	69	150	3,791	3,741	2,973	2,816	2,762

State	Birch					Maple					Other hardwoods				
	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008
Michigan	148	123	118	177	133	837	828	811	713	847	275	260	377	271	239
Minnesota	240	258	182	168	124	99	107	124	108	148	47	156	62	60	68
Wisconsin	316	316	241	275	230	884	910	841	630	791	492	443	511	514	406
Total Lake States	704	697	541	620	486	1,820	1,845	1,776	1,451	1,786	813	859	950	845	713

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1,000 standard cords, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 5.—Pulpwood production, in standard cords, unpeeled, by mill type, product form, state of origin, and species group, Lake States, 2008

Product form and species group	State of origin for pulp mills				State of origin for composite product mills			
	All states	Michigan	Minnesota	Wisconsin	All states	Michigan	Minnesota	Wisconsin
Softwood roundwood								
Northern white-cedar	2,816	1,642	908	265	--	--	--	--
Balsam fir	290,503	60,899	145,027	84,577	21,116	9,449	4,618	7,049
Hemlock	83,215	71,706	--	11,509	--	--	--	--
Jack pine	216,092	83,921	36,525	95,646	55,215	39,574	6,953	8,689
Red pine	320,550	59,401	23,362	237,787	29,340	13,860	9,747	5,732
White pine	118,220	16,162	3,487	98,571	5,002	1,226	1,521	2,255
Other pine	12,030	583	7,428	4,019	131	47	80	4
Spruce	358,465	60,636	216,156	81,673	4,000	2,516	623	862
Tamarack	51,793	6,966	39,593	5,233	12,439	775	11,432	233
Total softwood roundwood	1,453,683	361,916	472,486	619,281	127,244	67,446	34,975	24,823
Hardwood roundwood								
Ash	141,569	37,294	24,004	80,272	5,261	2,014	3,002	245
Aspen/balsam poplar	1,501,417	283,552	834,982	382,883	1,260,368	437,982	477,308	345,077
Basswood	84,817	34,178	8,679	41,961	73,271	30,615	4,056	38,600
Beech	91,572	84,099	--	7,473	1,840	1,840	--	--
White birch	383,546	99,204	81,554	202,788	53,733	8,574	39,807	5,352
Yellow birch	47,453	23,657	2,038	21,759	1,470	1,216	102	152
Other birch	--	--	--	--	10	--	--	10
Black cherry	21,964	16,129	--	5,835	41	34	--	7
Cottonwood	26,663	--	26,567	96	--	--	--	--
Elm	19,231	2,220	937	16,075	--	--	--	--
Hickory	729	--	--	729	--	--	--	--
Hard maple	851,249	451,951	20,123	379,175	50,227	27,785	17,925	4,516
Soft maple	787,898	285,210	98,747	403,941	96,644	82,232	11,162	3,249
Red oak group	214,314	24,148	287	189,879	--	--	--	--
White oak group	28,519	3,810	37	24,672	--	--	--	--
Other hardwoods	3,399	2,929	--	470	--	--	--	--
Total hardwood roundwood	4,204,341	1,348,379	1,097,955	1,758,007	1,542,865	592,293	553,364	397,208
Total roundwood	5,658,023	1,710,295	1,570,440	2,377,288	1,670,109	659,739	588,339	422,031
Residues								
Softwood	388,545	187,812	117,045	83,687	40,889	28,354	863	11,671
Hardwood	272,285	103,357	41,766	127,162	123,455	26,639	829	95,987
Total residues	660,830	291,169	158,811	210,849	164,344	54,994	1,692	107,659
State total	6,318,853	2,001,464	1,729,252	2,588,137	1,834,454	714,733	590,031	529,690

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 6.—Pulpwood production, in standard cords, unpeeled, by mill type, product form, species group, and percent change, Lake States, 2007 and 2008

Product form and species group	Pulp mills			Composite product mills		
	2007	2008	Change	2007	2008	Change
Softwood roundwood						
Northern white-cedar	3,512	2,816	-20%	--	--	--
Balsam fir	247,307	290,503	17%	21,442	21,116	-2%
Hemlock	65,372	83,215	27%	--	--	--
Jack pine	140,419	216,092	54%	62,199	55,215	-11%
Red pine	200,421	320,550	60%	38,687	29,340	-24%
White pine	86,229	118,220	37%	10,947	5,002	-54%
Other pine	8,187	12,030	47%	103	131	27%
Spruce	313,377	358,465	14%	10,930	4,000	-63%
Tamarack	35,009	51,793	48%	12,145	12,439	2%
Total softwood roundwood	1,099,833	1,453,683	32%	156,452	127,244	-19%
Hardwood roundwood						
Ash	133,377	141,569	6%	5,605	5,261	-6%
Aspen/balsam poplar	1,426,094	1,501,417	5%	1,390,061	1,260,368	-9%
Basswood	124,380	84,817	-32%	66,531	73,271	10%
Beech	80,552	91,572	14%	1,928	1,840	-5%
White birch	468,446	383,546	-18%	74,336	53,733	-28%
Yellow birch	76,802	47,453	-38%	123	1,470	1097%
Other birch	7	--	--	--	10	--
Black cherry	4,415	21,964	397%	--	41	--
Black walnut	247	--	--	--	--	--
Cottonwood	6,134	26,663	335%	939	--	--
Elm	22,042	19,231	-13%	--	--	--
Hickory	442	729	65%	--	--	--
Hard maple	670,633	851,249	27%	50,159	50,227	0%
Soft maple	629,159	787,898	25%	100,937	96,644	-4%
Red oak group	290,980	214,314	-26%	--	--	--
White oak group	57,499	28,519	-50%	--	--	--
Other hardwoods	2,513	3,399	35%	140	--	--
Total hardwood roundwood	3,993,720	4,204,341	5%	1,690,760	1,542,865	-9%
Total roundwood	5,093,554	5,658,023	11%	1,847,212	1,670,109	-10%
Residues						
Softwood	424,539	388,545	-8%	37,890	40,889	8%
Hardwood	314,923	272,285	-14%	80,040	123,455	54%
Total residues	739,462	660,830	-11%	117,930	164,344	39%
State total	5,833,016	6,318,853	8%	1,965,142	1,834,454	-7%

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 7.—Pulpwood production from roundwood, in standard cords, unpeeled, by Forest Inventory Unit, county, and species group, Michigan, 2008

Softwood														
Forest Inventory Unit and county ^a		Northern			Balsam			Jack		White		Tama-		Total
		white- cedar	Balsam fir	Hemlock	pine	Red pine	White pine	Other pine	Spruce	rack	softwoods			
Eastern Upper Peninsula														
Alger	104,326	126	4,074	5,643	3,894	3,518	1,095	--	2,868	525	21,743			
Chippewa	91,482	42	3,009	3,252	5,056	3,291	461	--	9,003	182	24,295			
Delta	89,045	164	5,152	4,274	12,954	6,335	1,837	2	2,372	725	33,815			
Luce	137,620	66	2,628	2,449	14,588	5,105	899	--	3,189	278	29,203			
Mackinac	65,468	46	2,889	900	5,213	2,829	422	--	5,128	191	17,617			
Menominee	89,532	218	8,715	6,509	4,472	3,707	2,324	43	6,257	1,294	33,540			
Schoolcraft	79,976	106	3,445	1,770	7,130	7,182	1,104	--	3,452	449	24,639			
Total	657,449	767	29,913	24,797	53,307	31,968	8,142	45	32,268	3,644	184,853			
Western Upper Peninsula														
Baraga	161,415	101	5,038	8,387	3,689	2,739	966	--	3,022	425	24,368			
Dickinson	108,211	122	6,990	1,523	2,791	3,200	1,328	--	4,944	720	21,618			
Gogebic	98,132	15	1,687	2,004	921	1,135	320	--	1,518	105	7,705			
Houghton	114,863	32	1,548	5,751	1,803	3,940	371	--	1,552	141	15,139			
Iron	100,379	183	7,985	3,172	4,105	6,248	1,938	--	7,661	853	32,146			
Keweenaw	63,109	16	704	1,019	382	391	193	--	641	69	3,414			
Marquette	287,190	370	12,371	18,957	15,178	8,307	3,584	2	7,925	1,618	68,311			
Ontonagon	142,107	32	3,046	5,879	2,213	2,037	434	3	1,806	145	15,595			
Total	1,075,407	871	39,370	46,692	31,083	27,996	9,135	5	29,069	4,076	188,295			
Northern Lower Peninsula														
Alcona	21,770	--	--	--	1,481	113	--	--	--	--	1,594			
Alpena	20,033	--	--	--	611	106	--	--	379	--	1,096			
Antrim	20,541	--	--	--	252	368	--	--	--	--	620			
Arenac	6,445	--	--	--	14	72	--	--	--	--	86			
Bay	3,774	--	--	--	--	--	--	--	--	--	--			
Benzie	19,186	--	--	--	1,490	258	--	--	--	--	1,749			
Charlevoix	7,277	--	--	--	100	93	--	--	--	--	193			
Cheboygan	45,758	--	41	--	826	390	--	--	--	--	1,258			
Clare	23,353	--	--	--	1,841	229	--	--	--	--	2,070			
Crawford	22,632	3	97	111	3,566	909	45	0	39	15	4,786			
Emmet	10,311	--	--	--	415	386	--	--	--	--	802			
Gladwin	26,799	--	--	--	1,761	223	--	--	--	--	1,984			
Grand Traverse	16,529	--	--	--	1,301	1,052	--	--	--	--	2,353			
Iosco	8,833	--	--	--	2,014	746	--	--	--	--	2,761			
Isabella	7,844	--	--	--	301	195	--	--	--	--	496			
Kalkaska	40,099	--	--	--	2,690	1,319	54	--	--	--	4,063			
Lake	15,116	--	--	--	2,102	357	--	--	--	--	2,458			
Leelanau	3,257	--	--	--	183	169	--	--	--	--	352			
Manistee	14,443	--	--	--	1,476	811	--	--	--	--	2,286			

Mason	26,302	--	--	--	--	134	--	--	--	--	134
Mecosta	11,612	--	--	88	404	79	--	--	--	--	571
Midland	9,150	--	--	--	61	39	--	--	--	--	101
Missaukee	19,176	--	--	--	1,240	309	--	--	--	--	1,549
Montmorency	37,985	--	372	--	1,171	411	--	401	--	--	2,354
Newaygo	7,367	--	--	--	--	48	--	--	--	--	48
Oceana	11,651	--	--	--	206	129	--	--	--	--	336
Ogemaw	18,832	--	--	--	590	116	--	--	--	--	706
Osceola	22,281	--	--	--	454	195	--	--	--	--	648
Oscoda	20,763	--	--	--	3,095	1,106	--	--	--	--	4,202
Otsego	47,885	1	13	5	1,674	1,258	4	--	5	2	2,961
Presque Isle	19,276	1	542	11	1,607	359	8	--	992	4	3,522
Roscommon	18,776	--	--	--	2,880	264	--	--	--	--	3,144
Wexford	24,187	--	--	--	3,142	997	--	--	--	--	4,139
Total	629,240	4	1,065	216	38,947	13,241	111	0	1,815	21	55,421
Southern Lower Peninsula											
Branch	579	--	--	--	--	--	--	579	--	--	579
Huron	281	--	--	--	33	--	--	--	--	--	33
Kent	506	--	--	--	--	--	--	--	--	--	--
Montcalm	2,205	--	--	--	87	5	--	--	--	--	92
Muskegon	86	--	--	--	--	--	--	--	--	--	--
Ottawa	505	--	--	--	--	--	--	--	--	--	--
Saginaw	643	--	--	--	12	6	--	--	--	--	18
Sanilac	1,576	--	--	--	16	32	--	--	--	--	48
Tuscola	1,557	--	--	--	10	14	--	--	--	--	23
Total	7,938	--	--	--	158	56	--	579	--	--	794
State total	2,370,034	1,642	70,348	71,706	123,496	73,261	17,388	630	63,151	7,741	429,362

(Table 7 continued on next page)

(Table 7 continued)

Forest Inventory Unit and county ^a	Hardwood												
	Aspen/ balsam poplar	Bass- wood	Beech	White birch	Yellow birch	Black cherry	Elm	Hard maple	Soft maple	Red oak group	White oak group	Other hard- woods	Total
Eastern Upper Peninsula													
Alger	1,957	8,829	2,120	5,100	8,668	2,064	1,240	177	29,625	22,166	635	--	82,583
Chippewa	1,058	24,210	1,038	5,640	8,342	605	606	116	11,476	13,774	321	--	67,187
Delta	536	20,404	856	5,674	2,625	1,017	529	4	11,684	11,704	195	--	55,230
Luce	3,027	15,290	1,931	9,764	11,707	1,286	1,126	193	28,080	28,803	5,216	1,994	108,417
Mackinac	1,303	16,131	487	3,577	6,677	657	315	329	9,761	8,465	148	--	47,851
Menominee	604	29,433	2,501	3,674	4,699	776	226	146	7,681	6,175	74	1	55,992
Schoolcraft	963	17,778	747	4,685	5,252	954	513	153	9,971	14,102	219	--	55,336
Total	9,447	132,076	9,681	38,115	47,971	7,360	4,556	1,119	108,279	105,189	6,808	1,995	472,596
Western Upper Peninsula													
Baraga	3,122	20,337	3,320	9,025	8,574	3,329	1,982	268	51,947	33,973	1,161	9	137,047
Dickinson	1,356	36,591	5,338	4,486	5,497	734	711	180	21,925	8,817	958	--	86,593
Gogebic	3,087	15,004	4,662	438	3,114	1,907	1,038	186	49,473	10,664	854	--	90,427
Houghton	3,512	19,589	4,401	3,213	3,693	2,434	1,616	43	36,396	23,814	1,010	4	99,724
Iron	887	29,676	1,915	1,643	5,651	638	269	213	21,510	5,713	118	--	68,233
Keweenaw	1,383	3,308	2,877	1,662	7,694	939	1,013	8	24,286	15,018	1,507	--	59,695
Marquette	3,076	65,987	4,695	17,567	14,638	3,738	2,547	84	58,808	46,511	1,228	--	218,879
Ontonagon	5,405	53,440	6,638	2,166	3,945	2,584	1,351	116	35,235	14,680	953	--	126,513
Total	21,827	243,933	33,846	40,200	52,805	16,302	10,528	1,099	299,579	159,189	7,789	13	887,112
Northern Lower Peninsula													
Alcona	72	16,189	381	66	304	15	1	--	374	2,771	1	--	20,176
Alpena	120	13,647	339	113	379	5	5	--	663	3,654	1	--	18,937
Antrim	579	2,802	4,274	531	1,384	239	27	--	5,610	4,397	0	--	19,921
Arenac	105	3,684	53	96	88	15	12	--	632	1,635	--	--	6,359
Bay	--	2,254	--	--	--	--	--	--	--	1,520	--	--	3,774
Benzie	676	6,588	679	618	--	--	105	--	5,284	2,761	342	65	17,437
Charlevoix	113	2,081	1,360	123	5	3	21	--	2,211	1,104	0	--	7,084
Cheboygan	497	26,199	3,230	456	1,727	153	5	--	4,112	8,111	1	--	44,500
Clare	165	14,677	150	206	35	--	34	--	1,919	3,430	476	87	21,282
Crawford	115	10,328	341	102	37	--	21	--	1,845	4,849	135	25	17,846
Emmet	35	2,508	1,811	28	97	14	7	--	3,853	1,154	4	--	9,509
Gladwin	143	16,635	105	205	133	--	30	--	1,476	5,996	--	--	24,814
Grand Traverse	358	7,910	130	327	--	--	55	--	2,606	2,469	127	24	14,176
Iosco	1	3,746	9	1	5	--	--	--	5	2,305	--	--	6,072
Isabella	85	5,117	59	125	--	--	22	--	980	896	--	--	7,349
Kalkaska	753	20,082	976	725	10	4	122	--	6,191	6,410	336	61	36,035
Lake	99	7,693	71	90	--	--	15	--	824	733	2,591	494	12,658
Leelanau	116	617	51	106	--	--	18	--	779	376	662	126	2,906
Manistee	316	3,165	119	289	--	--	49	--	2,499	2,234	2,803	535	12,157

Mason	648	16,891	221	592	--	--	100	--	4,331	2,095	827	158	307	26,168
Mecosta	97	9,145	34	89	--	--	15	--	653	860	86	16	46	11,041
Midland	79	5,087	50	82	3	--	14	--	608	3,084	--	--	42	9,049
Missaukee	160	12,162	424	146	--	--	25	--	1,786	2,847	--	--	76	17,627
Montmorency	244	25,263	1,846	216	954	--	8	--	1,775	5,318	5	--	--	35,630
Newaygo	204	4,311	70	187	--	--	31	--	1,366	732	269	51	97	7,319
Oceana	530	2,902	180	484	--	--	82	--	3,561	2,416	765	146	250	11,315
Ogemaw	161	11,157	189	146	476	--	11	--	1,029	4,925	--	--	32	18,127
Osceola	381	15,424	166	389	--	--	67	--	2,912	2,094	--	--	201	21,633
Oscoda	7	12,457	845	5	10	--	1	--	251	2,982	1	--	1	16,561
Otsego	543	24,435	2,348	501	1,077	722	89	1	6,871	8,283	52	--	3	44,923
Presque Isle	79	11,893	352	74	268	40	1	--	551	2,491	2	--	--	15,753
Roscommon	102	11,130	63	92	9	1	16	--	671	3,500	1	--	47	15,632
Wexford	402	12,071	321	368	--	--	62	--	3,306	3,252	65	12	190	20,049
Total	7,985	340,249	21,249	7,578	7,001	1,211	1,071	1	71,534	101,684	9,551	1,801	2,904	573,819
Southern Lower Peninsula														
Branch	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Huron	--	199	--	--	--	--	--	--	--	49	--	--	--	249
Kent	--	506	--	--	--	--	--	--	--	--	--	--	--	506
Montcalm	4	2,018	2	5	--	--	1	--	39	42	--	--	3	2,113
Muskegon	5	24	2	4	--	--	1	--	33	16	--	--	2	86
Ottawa	39	--	13	36	--	--	6	--	264	127	--	--	19	505
Saginaw	--	310	--	--	--	--	--	--	--	314	--	--	--	625
Sanilac	--	1,074	--	--	--	--	--	--	9	444	--	--	--	1,527
Tuscola	--	1,145	--	--	--	--	--	--	--	389	--	--	--	1,534
Total	48	5,277	17	45	--	--	8	--	344	1,381	--	--	24	7,145
State total	39,307	721,535	64,793	85,938	107,778	24,873	16,163	2,220	479,736	367,443	24,148	3,810	2,929	1,940,672

^a Includes only those counties that supplied pulpwood in 2008.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 8.—Pulpwood production from roundwood, in standard cords, unpeeled, by Forest Inventory Unit, county, and species group, Minnesota, 2008

Forest Inventory Unit and county ^a	Softwood									
	Northern					Softwood				
	All species	white- cedar	Balsam fir	Jack pine	Red pine	White pine	Other pine	Spruce	Tama- rack	Total softwoods
Aspen-Birch										
Carlton	68,761	70	2,341	774	1,849	96	1,249	1,733	166	8,278
Cook	27,501	--	1,751	2,038	2,180	505	--	5,243	31	11,747
Koochiching	215,682	--	32,175	2,238	1,699	35	12	67,850	12,749	116,758
Lake	86,936	30	8,649	630	729	17	175	19,889	72	30,191
St. Louis	503,155	725	43,521	19,952	9,441	2,166	2,090	63,974	11,257	153,126
Total	902,034	825	88,437	25,632	15,897	2,818	3,527	158,688	24,274	320,099
Northern Pine										
Aitkin	141,118	72	5,088	353	659	27	1,032	3,391	2,964	13,587
Becker	42,122	--	1,658	276	319	240	--	760	917	4,171
Beltrami	188,211	--	9,003	3,342	1,513	550	--	7,068	8,396	29,872
Cass	129,044	--	2,404	796	1,757	256	251	1,294	891	7,648
Clearwater	42,976	--	2,368	90	404	278	--	559	187	3,885
Crow Wing	56,330	6	714	125	240	45	466	34	9	1,639
Hubbard	83,982	--	2,788	1,076	1,068	143	14	1,085	1,000	7,176
Itasca	284,457	4	30,745	4,909	7,888	540	563	31,857	5,641	82,148
Lake of the Woods	51,938	--	3,839	5,180	171	3	--	8,838	6,523	24,553
Mahnomen	8,224	--	68	13	78	--	--	--	76	235
Roseau	7,297	--	671	570	683	--	--	2,169	14	4,106
Wadena	11,299	--	5	511	106	11	74	88	57	852
Total	1,046,997	83	59,351	17,241	14,887	2,094	2,400	57,143	26,676	179,873
Central Hardwood										
Benton	564	--	--	--	--	--	102	--	--	102
Chisago	842	--	--	--	--	--	--	--	--	--
Douglas	6,086	--	--	--	3	--	--	--	--	3
Goodhue	695	--	--	--	--	--	--	--	--	--
Isanti	1,269	--	29	--	--	--	--	62	--	91
Kanabec	22,723	--	83	--	--	--	268	--	--	350
Mille Lacs	7,909	--	14	--	--	--	11	164	--	188
Morrison	8,660	--	--	1	10	--	108	--	--	119
Olmsted	16	--	--	--	8	7	--	--	--	16
Otter Tail	2,991	--	--	--	2	--	--	--	--	2
Pine	124,064	--	1,733	463	2,285	83	957	647	30	6,198
Ramsey	95	--	--	--	--	--	54	--	--	54
Sherburne	113	--	--	4	--	--	--	--	--	4
Stearns	226	--	--	--	--	--	5	61	--	66
Todd	16,443	--	--	128	--	--	76	--	--	204
Washington	107	--	--	--	--	--	--	--	--	--

	Wright	13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Total	192,816	--	1,858	596	2,308	90	1,581	934	30	7,397							
Prairie	Kandiyohi	4,370	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Kittson	2,268	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Marshall	2,248	--	--	--	--	--	--	--	46	46							
	Norman	636	--	--	8	17	6	--	--	--	32							
	Pennington	750	--	--	--	--	--	--	14	--	14							
	Polk	5,662	--	--	--	--	--	--	--	--	--							
	Red Lake	999	--	--	--	--	--	--	--	--	--							
	Total	16,933	--	--	8	17	6	--	14	46	92							
State total		2,158,780	908	149,645	43,477	33,109	5,008	7,508	216,779	51,026	507,461							

(Table 8 continued)

Forest Inventory Unit and county ^a	Hardwood																
	Aspen/ balsam			Yellow			Cotton- wood		Hard maple		Soft maple		Red oak		White oak		Total hardwoods
	Ash	poplar	Bass- wood	White birch	Yellow birch	Cotton- wood	Elm	maple	maple	maple	oak group	oak group	oak group	oak group			
Aspen-Birch																	
Carlton	4,691	39,719	236	5,884	79	--	47	1,306	8,515	8	--	--	--	--	--	60,484	
Cook	126	14,375	--	410	41	--	44	316	441	--	--	--	--	--	--	15,754	
Koochiching	3,414	89,971	120	4,471	23	--	25	404	497	--	--	--	--	--	--	98,924	
Lake	2,172	30,212	1,184	9,165	268	--	196	3,355	10,192	--	--	--	--	--	--	56,745	
St. Louis	6,149	274,498	1,483	37,380	837	--	299	12,042	17,340	--	--	--	--	--	--	350,029	
Total	16,552	448,776	3,023	57,310	1,247	--	610	17,424	36,985	8	--	--	--	--	--	581,935	
Northern Pine																	
Aitkin	1,719	84,925	4,467	7,621	278	--	94	1,811	26,616	--	--	--	--	--	--	127,531	
Becker	6	34,790	158	1,315	31	--	--	977	674	--	--	--	--	--	--	37,952	
Beltrami	1,942	144,325	779	6,573	--	--	--	4,054	666	--	--	--	--	--	--	158,339	
Cass	109	100,143	411	10,068	46	273	1	2,242	8,104	--	--	--	--	--	--	121,396	
Clearwater	118	35,283	644	1,837	--	--	--	943	266	--	--	--	--	--	--	39,091	
Crow Wing	8	46,454	205	3,813	36	--	--	169	4,005	--	--	--	--	--	--	54,690	
Hubbard	78	68,731	209	5,530	--	--	--	620	1,639	--	--	--	--	--	--	76,806	
Itasca	4,239	166,626	966	14,922	306	--	132	5,269	9,850	--	--	--	--	--	--	202,309	
Lake of the Woods	485	25,403	--	1,423	4	--	4	28	38	--	--	--	--	--	--	27,385	
Mahnomen	3	7,865	67	25	--	--	--	29	0	--	--	--	--	--	--	7,988	
Roseau	4	3,139	--	43	--	--	--	--	4	--	--	--	--	--	--	3,191	
Wadena	1	8,906	--	23	--	1,422	--	--	94	--	--	--	--	--	--	10,447	
Total	8,712	726,591	7,904	53,193	700	1,695	231	16,142	51,957	--	--	--	--	--	--	867,124	
Central Hardwood																	
Benton	--	372	13	--	--	--	--	--	77	--	--	--	--	--	--	462	
Chisago	--	702	--	64	1	--	--	29	29	17	--	--	--	--	--	842	
Douglas	3	117	1	14	--	5,942	--	7	--	--	--	--	--	--	--	6,083	
Goodhue	--	508	--	--	--	--	--	--	187	--	--	--	--	--	--	695	
Isanti	--	1,158	--	19	--	--	--	1	--	--	--	--	--	--	--	1,178	
Kanabec	122	18,334	596	1,142	90	--	43	393	1,653	--	--	--	--	--	--	22,373	
Mille Lacs	34	5,906	174	333	31	--	7	299	937	--	--	--	--	--	--	7,721	
Morrison	8	8,208	15	191	--	--	--	2	117	--	--	--	--	--	--	8,541	
Olmsted	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Otter Tail	5	2,839	2	15	--	--	--	85	43	--	--	--	--	--	--	2,989	
Pine	1,548	84,163	1,007	9,001	70	406	47	3,623	17,711	255	37	--	--	--	--	117,867	
Ramsey	--	13	--	--	--	--	--	--	27	--	--	--	--	--	--	40	
Sherburne	--	110	--	--	--	--	--	--	--	--	--	--	--	--	--	110	
Stearns	--	140	--	--	--	--	--	--	21	--	--	--	--	--	--	161	
Todd	5	2,166	1	12	1	14,001	--	3	51	--	--	--	--	--	--	16,239	
Washington	--	8	--	68	--	--	--	--	24	7	--	--	--	--	--	107	

Table 9.—Pulpwood production from roundwood, in standard cords, unpeeled, by Forest Inventory Unit, county, and species group, Wisconsin, 2008

Forest Inventory Unit and county ^a	All species	Softwood										Hardwood			
		Northern					Aspen/ balsam								
		white- cedar	Balsam fir	Hemlock	Jack pine	Red pine	White pine	Other pine	Spruce	Tama- rack	Total softwoods	Ash	poplar	Bass- wood	
Northeastern															
Florence	74,830	25	4,374	2,378	3,418	6,102	740	--	6,311	306	23,653	1,333	22,150	2,344	
Forest	95,556	10	6,863	799	1,926	9,857	477	--	15,284	503	35,718	2,923	16,450	3,149	
Langlade	127,077	--	7,695	214	452	5,055	1,216	81	4,307	1,170	20,192	5,203	31,354	10,344	
Lincoln	136,543	--	4,513	189	2,038	4,606	1,304	23	1,864	705	15,241	6,663	49,915	7,105	
Marinette	140,029	13	5,297	3,985	11,199	13,385	1,546	--	2,911	512	38,847	3,017	36,570	8,219	
Menominee	89,783	216	880	1,821	124	3,994	8,309	--	78	22	15,445	3,697	5,450	4,646	
Oconto	90,886	--	1,841	167	2,294	16,497	759	0	1,354	262	23,175	3,465	29,611	94	
Oneida	110,330	--	4,272	139	7,042	12,595	2,090	2	1,964	166	28,271	1,796	50,356	1,090	
Shawano	35,032	--	1,739	69	328	6,325	842	10	299	192	9,804	1,446	7,509	789	
Vilas	87,724	--	4,533	90	5,959	4,617	2,588	5	2,389	185	20,365	1,988	28,532	820	
Total	987,790	265	42,006	9,849	34,782	83,034	19,871	122	36,760	4,023	230,711	31,530	277,897	39,446	
Northwestern															
Ashland	82,267	--	4,981	12	266	315	392	--	8,290	100	14,355	1,510	22,137	2,140	
Barron	21,671	--	473	--	232	762	453	--	22	--	1,942	770	6,589	778	
Bayfield	116,949	--	4,416	--	4,468	8,737	1,039	1,732	1,739	40	22,171	1,973	35,543	2,550	
Burnett	65,690	--	535	--	6,060	5,747	1,131	730	11	--	14,214	380	23,501	227	
Douglas	112,804	--	8,087	--	3,260	7,802	448	645	2,188	18	22,448	1,879	36,914	2,083	
Iron	152,977	--	5,695	17	279	863	246	33	3,996	90	11,218	4,130	21,198	5,401	
Polk	29,317	--	454	--	909	841	1,071	--	149	--	3,424	744	10,538	520	
Price	128,194	--	8,293	191	238	2,141	926	--	4,853	904	17,546	5,626	46,700	5,114	
Rusk	87,929	--	1,951	14	227	894	916	--	2,315	--	6,316	3,823	21,902	4,224	
Sawyer	167,626	--	5,472	--	2,482	4,719	3,321	--	8,072	17	24,082	5,918	42,052	5,808	
Taylor	67,019	--	1,160	210	55	1,018	471	--	6,729	23	9,667	2,997	24,334	2,369	
Washburn	77,275	--	762	--	6,085	7,670	368	7	106	39	15,035	1,139	32,196	2,213	
Total	1,109,718	--	42,279	443	24,559	41,508	10,782	3,148	38,469	1,230	162,418	30,889	323,602	33,427	
Central															
Adams	68,006	--	43	--	8,462	16,885	9,452	29	40	--	34,911	1,624	2,744	29	
Chippewa	34,393	--	647	--	934	2,113	566	--	110	46	4,415	1,204	11,104	913	
Clark	57,490	--	759	40	620	2,615	3,542	164	267	84	8,091	1,722	20,048	1,160	
Eau Claire	24,083	--	224	--	3,170	4,051	1,671	--	17	--	9,132	438	3,296	60	
Jackson	76,571	--	642	--	8,610	10,795	12,260	64	82	--	32,452	1,503	7,609	26	
Juneau	43,802	--	162	--	7,460	7,646	7,258	22	44	--	22,592	476	4,371	68	
Marathon	75,572	--	1,582	918	526	4,426	1,036	85	1,330	--	9,902	3,304	28,300	2,998	
Marquette	13,868	--	30	--	601	7,302	2,060	7	--	70	10,070	113	369	9	
Monroe	20,563	--	136	--	2,197	4,287	3,660	38	44	--	10,363	366	1,089	39	
Portage	41,751	--	605	85	3,608	9,719	2,641	130	302	11	17,100	812	7,595	223	
Waupaca	31,680	--	382	103	540	5,602	2,360	29	193	--	9,209	1,352	6,600	809	
Waushara	27,811	--	37	--	528	7,387	3,615	98	108	1	11,775	187	1,106	64	
Wood	46,653	--	466	--	2,210	6,314	5,259	45	529	--	14,823	847	13,425	414	
Total	562,243	--	5,714	1,146	39,466	89,140	55,381	712	3,065	212	194,835	13,949	107,657	6,812	

Southwestern															
Buffalo	4,619	--	14	--	31	239	96	--	--	36	--	417	29	443	26
Crawford	446	--	--	--	--	387	--	--	--	--	--	387	3	11	--
Dunn	29,878	--	488	--	1,293	3,868	1,399	--	--	83	--	7,133	970	4,326	221
Grant	1,809	--	3	--	75	810	195	--	--	502	--	1,585	6	128	--
Iowa	1,709	--	1	--	9	366	345	--	--	30	--	751	32	308	1
La Crosse	4,200	--	54	--	96	568	507	--	--	25	--	1,251	84	575	115
Lafayette	254	--	1	--	--	--	--	--	--	15	--	15	6	21	10
Pepin	1,378	--	11	--	39	96	56	--	--	--	--	202	20	500	5
Pierce	821	--	--	--	--	--	--	--	--	--	--	--	10	55	16
Richland	1,615	--	16	--	4	479	216	--	--	--	--	716	34	281	14
Sauk	6,731	--	56	--	507	2,051	555	--	--	241	--	3,410	137	1,017	18
St. Croix	10,190	--	266	--	311	1,110	429	3	--	172	--	2,291	379	1,720	75
Trempealeau	10,185	--	199	--	662	1,687	2,097	--	--	165	--	4,811	129	857	25
Vernon	1,719	--	1	--	51	105	1,007	35	--	14	--	1,213	19	140	12
Total	75,555	--	1,111	--	3,078	11,768	6,902	38	--	1,284	--	24,181	1,859	10,381	538
Southeastern															
Brown	3,775	--	84	--	26	1,432	75	--	--	--	--	1,618	168	443	3
Calumet	799	--	0	--	--	57	58	--	--	14	--	130	78	56	7
Columbia	23,423	--	109	--	1,782	9,930	1,371	--	--	519	--	13,712	350	2,038	14
Dane	2,341	--	37	--	69	295	225	--	--	239	--	864	83	218	--
Dodge	551	--	3	--	--	28	100	--	--	--	--	132	60	78	7
Door	4,701	--	68	38	59	1,111	544	--	--	156	--	1,977	281	862	1
Fond Du Lac	1,212	--	9	--	30	100	72	--	--	--	--	211	32	317	55
Green	1,309	--	0	--	10	456	21	--	--	--	--	487	7	139	--
Green Lake	2,478	--	28	--	92	262	991	--	--	--	--	1,374	34	179	26
Jefferson	328	--	0	--	--	--	13	--	--	--	--	14	14	46	--
Kenosha	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kewaunee	1,272	--	31	27	--	129	18	--	--	27	--	233	157	164	1
Manitowoc	2,330	--	37	7	--	270	69	--	1	51	--	434	164	834	5
Outagamie	4,630	--	64	--	36	435	155	4	--	312	--	1,005	307	1,295	93
Ozaukee	1,158	--	--	--	--	--	13	--	--	313	--	326	173	223	--
Racine	1,421	--	9	--	4	189	645	--	--	--	--	848	16	153	12
Rock	10	--	--	--	--	10	--	--	--	--	--	10	--	--	--
Sheboygan	2,931	--	4	--	28	660	1,154	--	--	473	--	2,319	89	139	--
Walworth	3,276	--	14	--	170	1,705	839	--	--	102	--	2,830	24	111	--
Washington	2,749	--	6	--	134	311	798	--	--	573	--	1,822	74	238	--
Waukesha	2,161	--	4	--	8	609	608	--	--	153	--	1,382	26	574	20
Winnebago	1,142	--	8	--	--	79	119	--	--	24	--	231	151	317	93
Total	64,012	--	517	71	2,449	18,069	7,890	4	2,957	82,535	5,466	644,104	80,517	727,960	337
State total	2,799,319	265	91,627	11,509	104,334	243,519	100,826	4,023	--	--	--	--	--	--	--
(Table 9 continued on next page)															

(Table 9 continued on next page)

(Table 9 continued)

Forest Inventory Unit and county ^a	Hardwood													
	Beech	White birch	Yellow birch	Other birch	Black cherry	Cotton- wood	Elm	Hickory	Hard maple	Soft maple	Red oak group	White oak group	Other hard- woods	Total
Northeastern														
Florence	685	4,276	539	--	338	--	303	--	12,471	5,226	1,420	88	4	51,177
Forest	134	9,449	953	--	248	--	790	--	15,581	9,863	283	10	5	59,838
Langlade	366	10,028	1,256	--	487	13	935	4	28,851	16,988	1,009	37	9	106,885
Lincoln	199	7,505	1,582	--	465	--	1,166	111	24,335	19,805	2,240	175	36	121,302
Marinette	726	9,665	705	--	583	--	640	2	11,020	21,080	8,520	431	5	101,182
Menominee	2,422	4,729	2,351	--	643	--	477	92	29,509	15,522	4,526	261	13	74,338
Oconto	202	10,061	740	--	207	25	799	21	7,516	11,894	1,995	228	6	67,711
Oneida	27	8,274	499	10	11	--	341	--	6,172	8,475	4,972	35	--	82,059
Shawano	94	2,006	242	--	106	7	204	22	6,688	4,582	1,361	164	8	25,228
Vilas	225	9,918	697	--	127	--	538	--	9,965	7,983	6,494	71	--	67,359
Total	5,081	75,911	9,565	10	3,215	45	6,193	254	152,108	121,417	32,821	1,500	86	757,079
Northwestern														
Ashland	27	4,385	277	--	50	--	225	--	30,368	2,783	4,000	9	--	67,912
Barron	--	2,852	192	--	8	--	190	6	2,073	3,608	2,225	435	2	19,729
Bayfield	21	13,585	578	--	38	--	576	--	6,333	27,195	5,965	420	--	94,778
Burnett	--	2,596	94	--	--	--	98	--	1,653	5,739	16,816	370	--	51,475
Douglas	22	12,372	717	--	40	--	504	--	5,650	29,213	835	128	--	90,356
Iron	1,576	8,256	2,377	--	1,568	--	595	--	70,201	25,386	1,068	3	--	141,759
Polk	--	3,780	193	--	1	--	210	--	1,971	4,401	3,201	333	--	25,893
Price	46	11,587	1,431	--	195	--	1,105	--	14,460	23,569	731	85	0	110,648
Rusk	--	9,121	867	--	5	--	848	6	9,092	24,876	5,645	1,200	4	81,613
Sawyer	36	15,366	1,702	--	35	--	1,258	2	13,836	51,224	5,272	1,035	0	143,544
Taylor	102	4,556	643	--	30	--	421	16	10,567	10,506	678	130	5	57,353
Washburn	3	4,442	189	--	6	--	204	--	2,736	15,959	2,506	648	0	62,240
Total	1,832	92,898	9,262	--	1,977	--	6,234	31	168,941	224,458	48,942	4,795	13	947,301
Central														
Adams	138	329	20	--	17	--	47	--	9,191	4,748	12,764	1,443	--	33,095
Chippewa	1	3,436	304	--	12	--	311	38	2,461	5,961	3,785	440	7	29,978
Clark	27	4,729	408	--	5	--	416	14	5,719	6,116	7,804	1,224	6	49,399
Eau Claire	--	1,673	107	--	57	--	131	3	1,279	2,089	4,878	933	5	14,951
Jackson	--	4,449	298	--	4	--	327	--	5,220	5,930	14,857	3,892	5	44,120
Juneau	--	1,012	80	--	--	--	84	--	1,788	2,022	9,082	2,226	2	21,210
Marathon	190	3,866	490	--	34	--	423	63	14,341	10,125	1,354	168	13	65,670
Marquette	--	219	15	--	8	--	22	1	469	453	1,784	335	1	3,798
Monroe	--	758	58	--	0	--	63	1	1,388	1,494	4,005	939	--	10,201
Portage	30	1,697	135	--	27	--	154	--	3,011	3,171	7,044	726	25	24,651
Waupaca	35	2,099	186	--	60	11	196	53	3,861	3,706	2,950	498	55	22,471
Waushara	--	226	26	--	18	--	53	8	525	562	12,354	892	15	16,037
Wood	6	2,244	187	--	3	--	214	16	2,732	3,594	6,647	1,500	--	31,830
Total	427	26,737	2,314	--	246	11	2,440	197	51,985	49,972	89,308	15,216	135	367,408

Southwestern

Buffalo	--	1,793	7	--	16	7	23	3	58	120	1,607	51	19	4,202
Crawford	--	2	--	--	--	--	--	--	14	13	11	5	--	59
Dunn	--	3,603	247	--	26	--	308	19	2,381	3,362	6,533	733	16	22,746
Grant	--	14	1	--	--	--	2	--	16	20	30	7	--	224
Iowa	--	35	1	--	2	--	5	2	153	152	191	74	2	958
La Crosse	--	278	26	--	6	--	45	3	214	295	1,231	65	13	2,949
Lafayette	--	5	0	--	25	--	33	4	15	19	52	40	8	239
Pepin	--	137	5	--	2	7	9	1	73	69	331	15	3	1,177
Pierce	--	252	--	--	4	--	10	4	186	14	252	16	3	821
Richland	--	89	8	--	1	--	13	5	106	121	185	41	1	899
Sauk	--	303	27	--	12	--	43	16	400	497	653	195	2	3,320
St. Croix	1	1,688	118	--	--	--	130	--	1,003	1,568	1,087	129	--	7,900
Trempealeau	--	1,294	38	--	7	8	49	1	341	464	1,977	175	8	5,373
Vernon	--	22	1	--	--	--	1	--	91	88	94	39	--	507
Total	1	9,517	480	--	102	22	671	57	5,052	6,802	14,232	1,584	75	51,373

Southeastern

Brown	2	409	41	--	3	--	49	0	543	477	10	6	1	2,157
Calumet	3	23	0	--	--	--	34	7	142	133	75	103	7	669
Columbia	--	657	52	--	129	--	87	60	1,195	1,421	2,822	853	32	9,710
Dane	--	202	17	--	13	--	28	3	270	309	219	110	4	1,477
Dodge	--	18	1	--	6	--	24	18	35	95	33	41	4	419
Door	39	595	68	--	19	--	20	3	311	162	355	1	7	2,724
Fond Du Lac	--	72	4	--	6	--	12	4	322	77	77	24	0	1,001
Green	--	3	0	--	18	--	33	4	565	9	15	24	4	821
Green Lake	--	64	4	--	3	--	7	0	135	149	351	148	3	1,104
Jefferson	--	15	0	--	--	--	0	--	68	65	73	32	--	314
Kenosha	--	--	--	--	--	--	--	--	--	--	16	2	--	18
Kewaunee	2	221	15	--	2	--	22	--	166	286	2	0	1	1,039
Manitowoc	20	124	28	--	2	--	33	6	439	221	4	13	3	1,896
Outagamie	10	443	31	--	5	17	60	20	507	645	132	33	25	3,625
Ozaukee	6	4	--	--	49	--	19	32	125	127	11	47	15	831
Racine	--	45	4	--	3	--	5	0	104	50	154	25	--	572
Rock	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sheboygan	51	24	4	--	1	--	16	7	162	44	66	7	1	612
Walworth	--	65	6	--	5	--	10	4	129	70	12	9	--	446
Washington	--	33	4	--	20	--	61	7	281	98	83	27	1	928
Waukesha	--	18	2	--	7	--	8	3	61	32	14	13	1	779
Winnebago	--	43	4	--	11	--	6	11	46	71	53	56	50	911
Total	133	3,077	290	--	302	17	537	190	5,605	4,541	4,576	1,576	160	32,054
State total	7,473	208,140	21,911	10	5,842	96	16,075	729	383,691	407,190	189,879	24,672	470	2,155,215

^a Includes only those counties that supplied pulpwood in 2008.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 10.—Average production of active wood-pulp and composite product mills by company, location, and type of product produced, Lake States, 2008

Product and company	Location	Product produced	Average production
Pulp mills			
NewPage Corp.	Escanaba, MI	Kraft/groundwood pulp	1,125 tons pulp/day
Packaging Corp. of America	Filer City, MI	Semichemical pulp	361 tons pulp/day
Smurfit-Stone Container Corp.	Ontonagon, MI	Semichemical pulp	751 tons pulp/day
Verso Paper	Quinnesec, MI	Kraft pulp (sulfate)	1,250 tons pulp/day
Boise White Paper, LLC	International Falls, MN	Kraft pulp (sulfate)	1,150 tons pulp/day
Sappi, LLC	Cloquet, MN	Kraft pulp (sulfate)	1,400 tons pulp/day
Stora Enso North America	Proctor, MN	Groundwood/mechanical pulp	325 tons pulp/day
UPM - Blandin	Grand Rapids, MN	Groundwood/mechanical pulp	475 tons pulp/day
Verso Paper	Sartell, MN	Thermomechanical pulp	850 tons pulp/day
Domtar Industries, Inc.	Nekoosa, WI	Kraft pulp (sulfate)	495 tons pulp/day
Domtar Industries, Inc.	Port Edwards, WI	Sulfite pulp	255 tons pulp/day
Domtar Industries, Inc.	Rothschild, WI	Sulfite pulp	160 tons pulp/day
Flambeau River Papers	Park Falls, WI	Sulfite pulp	170 tons pulp/day
Mule-Hide Manufacturing	Cornell, WI	Thermomechanical pulp	130 tons pulp/day
Packaging Corp. of America	Tomahawk, WI	Semichemical pulp	1,350 tons pulp/day
Stora Enso North America	Biron, WI	Groundwood/mechanical pulp	400 tons pulp/day
Stora Enso North America	Niagara, WI	Groundwood/mechanical pulp	250 tons pulp/day
Stora Enso North America	Whiting, WI	Thermomechanical pulp	200 tons pulp/day
Stora Enso North America	Wisconsin Rapids, WI	Kraft pulp (sulfate)	1,200 tons pulp/day
Thilmany, LLC	Kaukauna, WI	Kraft pulp (sulfate)	400 tons pulp/day
Wausau Mosinee Paper	Mosinee, WI	Kraft pulp (sulfate)	212 tons pulp/day
Composite product mills			
Decorative Panels International, Inc.	Alpena, MI	Hardboard	120 million ft ² , 3/4-inch basis per year
Louisiana-Pacific Corp.	Newberry, MI	Oriented strand board	72 million ft ² , 3/4-inch basis per year
Louisiana-Pacific Corp.	Sagola, MI	Oriented strand board	201 million ft ² , 3/4-inch basis per year
Weyerhaeuser Co.	Grayling, MI	Oriented strand board	250 million ft ² , 3/4-inch basis per year
Ainsworth Engineered (USA), LLC	Bemidji, MN	Oriented strand board	234 million ft ² , 3/4-inch basis per year
Georgia-Pacific Corp.	Duluth, MN	Hardboard	220 million ft ² , 3/4-inch basis per year
International Bildrite, Inc.	International Falls, MN	Medium density fiberboard	59 million ft ² , 3/4-inch basis per year
Louisiana-Pacific Corp.	Two Harbors, MN	Oriented strand board	75 million ft ² , 3/4-inch basis per year
Norbord Minnesota	Solway, MN	Oriented strand board	456 million ft ² , 3/4-inch basis per year
Georgia-Pacific Corp., LLC	Phillips, WI	Hardboard	85 million ft ² , 3/4-inch basis per year
Louisiana-Pacific Corp.	Hayward, WI	Oriented strand board	210 million ft ² , 3/4-inch basis per year
Louisiana-Pacific Corp.	Tomahawk, WI	Oriented strand board	66 million ft ² , 3/4-inch basis per year
Marshfield Doorsystems, Inc.	Marshfield, WI	Particleboard	79 million ft ² , 3/4-inch basis per year

Table 11.—Pulpwood production and imports, in standard cords, unpeeled, Mid-Atlantic States, 2008

Product form, species group, and destination	Production by state ^a										Imports					
	Delaware	Maryland	New Jersey	New York	Ohio	Pennsylvania	West Virginia	Regional total	Central States	Lake States	New			Total imports	Total receipts	
											England States	Southern States	Canada			
Softwood roundwood																
Balsam fir																
Mid-Atlantic States	--	--	--	10,852	--	--	--	10,852	--	--	--	13,437	--	267	13,704	24,556
New England States	--	--	--	7	--	--	--	7	--	--	--	--	--	--	--	--
Total	--	--	--	10,859	--	--	--	10,859	--	--	--	13,437	--	267	13,704	24,556
Hemlock																
Mid-Atlantic States	--	374	2	77,082	252	61,868	3,803	143,381	--	--	--	37,035	500	876	38,412	181,793
Southern States	--	--	--	--	--	--	1,991	1,991	--	--	--	--	--	--	--	--
Canada	--	--	--	686	--	--	--	686	--	--	--	--	--	--	--	--
Total	--	374	2	77,768	252	61,868	5,794	146,058	--	--	--	37,035	500	876	38,412	181,793
Jack pine																
Mid-Atlantic States	--	--	--	102	--	245	--	346	--	--	--	--	--	--	--	346
New England States	--	--	--	17	--	--	--	17	--	--	--	--	--	--	--	--
Total	--	--	--	119	--	245	--	363	--	--	--	--	--	--	--	346
Loblolly/shortleaf pine																
Mid-Atlantic States	13,486	42,509	20	--	5,581	208	2,799	64,605	62	--	--	--	70,961	--	71,085	135,628
Southern States	--	--	--	--	--	--	53	53	--	--	--	--	--	--	--	--
Total	13,486	42,509	20	--	5,581	208	2,852	64,657	62	--	--	--	70,961	--	71,085	135,628
Red pine																
Mid-Atlantic States	--	981	--	4,819	4,362	4,355	4,031	18,548	--	--	0	--	--	--	0	18,549
New England States	--	--	--	113	--	--	--	113	--	--	--	--	--	--	--	--
Canada	--	--	--	2,704	--	--	--	2,704	--	--	--	--	--	--	--	--
Total	--	981	--	7,636	4,362	4,355	4,031	21,365	--	--	0	--	--	--	0	18,549
White pine																
Mid-Atlantic States	--	801	55	60,163	26,103	34,965	4,928	127,015	295	--	14,346	14,652	--	29,588	156,308	--
New England States	--	--	--	771	--	--	--	771	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	--	2,002	2,002	--	--	--	--	--	--	--	--
Canada	--	--	--	11,415	--	--	--	11,415	--	--	--	--	--	--	--	--
Total	--	801	55	72,349	26,103	34,965	6,930	141,203	295	--	14,346	14,652	--	29,588	156,308	--
Other pine																
Mid-Atlantic States	3,024	7,720	2,969	4,027	41,644	16,484	66,116	141,984	305	579	861	87,823	--	89,872	231,551	--
New England States	--	--	--	111	--	--	--	111	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	--	962	962	--	--	--	--	--	--	--	--
Canada	--	--	--	1,364	--	--	--	1,364	--	--	--	--	--	--	--	--
Total	3,024	7,720	2,969	5,502	41,644	16,484	67,078	144,421	305	579	861	87,823	--	89,872	231,551	--
Spruce																
Mid-Atlantic States	--	670	15	21,770	--	2,792	556	25,802	--	--	2,984	--	--	575	3,559	29,361
New England States	--	--	--	7	--	--	--	7	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	--	563	563	--	--	--	--	--	--	--	--
Total	--	670	15	21,777	--	2,792	1,119	26,372	--	--	2,984	--	--	575	3,559	29,361
Tamarack																
Mid-Atlantic States	--	--	--	193	--	445	--	638	--	--	--	--	--	--	--	638
Total	--	--	--	193	--	445	--	638	--	--	--	--	--	--	--	638

(Table 11 continued on next page)

(Table 11 continued)

Product form, species group, land destination	Production by state ^a										Imports					
	Dela- ware	Mary- land	New Jersey	New York	Ohio	Pennsyl- vania	West Virginia	Regional total	Central States	Lake States	New England States			Canada	Total imports	Total receipts
Total softwood roundwood																
Mid-Atlantic States	16,511	53,055	3,061	179,007	77,942	121,362	82,234	533,172	662	579	68,663	173,937	1,718	246,220	778,730	
New England States	--	--	--	1,026	--	--	--	1,026	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	--	5,570	5,570	--	--	--	--	--	--	--	--
Canada	--	--	--	16,169	--	--	--	16,169	--	--	--	--	--	--	--	--
Total	16,511	53,055	3,061	196,202	77,942	121,362	87,804	555,937	662	579	68,663	173,937	1,718	246,220	778,730	
Softwood residues																
Mid-Atlantic States	--	18,911	--	17,917	8,981	17,104	421	63,334	214	--	6,805	16,429	--	23,661	86,782	
Southern States	--	51,238	--	--	--	--	4,606	55,844	--	--	--	--	--	--	--	
Total	--	70,149	--	17,917	8,981	17,104	5,027	119,179	214	--	6,805	16,429	--	23,661	86,782	
Total softwood material																
Mid-Atlantic States	16,511	71,966	3,061	196,924	86,923	138,466	82,655	596,506	875	579	75,468	190,366	1,718	269,881	865,512	
New England States	--	--	--	1,026	--	--	--	1,026	--	--	--	--	--	--	--	--
Southern States	--	51,238	--	--	--	--	10,176	61,414	--	--	--	--	--	--	--	--
Canada	--	--	--	16,169	--	--	--	16,169	--	--	--	--	--	--	--	--
Total	16,511	123,204	3,061	214,120	86,923	138,466	92,831	675,115	875	579	75,468	190,366	1,718	269,881	865,512	
Hardwood roundwood																
Ash																
Mid-Atlantic States	93	908	1	23,044	14,741	28,710	14,615	82,112	--	--	2,289	1,984	--	4,273	86,385	
New England States	--	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	10	4,748	4,757	--	--	--	--	--	--	--	--
Canada	--	--	--	6,382	--	--	--	6,382	--	--	--	--	--	--	--	--
Total	93	908	1	29,427	14,741	28,720	19,362	93,253	--	--	2,289	1,984	--	4,273	86,385	
Aspen/balsam poplar																
Mid-Atlantic States	17	227	14	9,652	12,357	10,010	2,231	34,507	--	--	1,037	160	--	1,197	35,704	
New England States	--	--	--	185	--	--	--	185	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	4	136	140	--	--	--	--	--	--	--	--
Canada	--	--	--	4,210	--	--	--	4,210	--	--	--	--	--	--	--	--
Total	17	227	14	14,047	12,357	10,014	2,367	39,042	--	--	1,037	160	--	1,197	35,704	
Basswood																
Mid-Atlantic States	--	3,889	--	1,581	3,231	13,166	20,125	41,993	--	--	--	1,123	--	1,123	43,116	
Southern States	--	--	--	--	--	3	8,956	8,960	--	--	--	--	--	--	--	--
Canada	--	--	--	921	--	--	--	921	--	--	--	--	--	--	--	--
Total	--	3,889	--	2,502	3,231	13,170	29,081	51,873	--	--	--	1,123	--	1,123	43,116	
Beech																
Mid-Atlantic States	91	1,691	1	45,654	2,147	19,284	12,844	81,712	--	--	2,879	1,865	--	4,744	86,456	
New England States	--	--	--	3	--	--	--	3	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	7	8,512	8,519	--	--	--	--	--	--	--	--
Canada	--	--	--	5,695	--	--	--	5,695	--	--	--	--	--	--	--	--
Total	91	1,691	1	51,352	2,147	19,291	21,356	95,929	--	--	2,879	1,865	--	4,744	86,456	
White birch																
Mid-Atlantic States	--	--	--	17,449	--	451	--	17,900	--	--	5,978	--	--	5,978	23,878	
New England States	--	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--
Canada	--	--	--	4,806	--	--	--	4,806	--	--	--	--	--	--	--	--
Total	--	--	--	22,256	--	451	--	22,706	--	--	5,978	--	--	5,978	23,878	

Product form, species group, land and destination	Production by state ^a										Imports					
	Dela- ware	Mary- land	New Jersey	New York	Ohio	Pennsyl- vania	West Virginia	Regional total	Central States	Lake States	New			Total imports	Total receipts	
											England States	Southern States	Canada			
Yellow birch																
Mid-Atlantic States	--	656	--	28,347	--	6,016	2,897	37,917	--	--	--	2,417	2	--	2,419	40,336
Southern States	--	--	--	--	--	1	2,944	2,945	--	--	--	--	--	--	--	--
Canada	--	--	--	6,699	--	--	--	6,699	--	--	--	--	--	--	--	--
Total	--	656	--	35,046	--	6,018	5,841	47,561	--	--	--	2,417	2	--	2,419	40,336
Other birch																
Mid-Atlantic States	5	1,609	--	448	813	30,317	3,982	37,174	--	--	--	--	2,327	--	2,327	39,501
New England States	--	--	--	2	--	--	--	2	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	10	5,850	5,861	--	--	--	--	--	--	--	--
Canada	--	--	--	135	--	--	--	135	--	--	--	--	--	--	--	--
Total	5	1,609	--	586	813	30,327	9,833	43,172	--	--	--	--	2,327	--	2,327	39,501
Black cherry																
Mid-Atlantic States	185	16,493	29	18,298	16,976	101,863	33,466	187,309	--	--	--	1,695	1,174	--	2,868	190,178
Canada	--	--	--	--	--	35	9,208	9,243	--	--	--	--	--	--	--	--
Southern States	--	--	--	1,005	--	--	--	1,005	--	--	--	--	--	--	--	--
Total	185	16,493	29	19,303	16,976	101,898	42,674	197,557	--	--	--	1,695	1,174	--	2,868	190,178
Black walnut																
Mid-Atlantic States	32	145	17	--	1,636	1,899	1,333	5,062	--	--	--	--	262	--	262	5,324
Total	32	145	17	--	1,636	1,899	1,333	5,062	--	--	--	--	262	--	262	5,324
Cottonwood																
Mid-Atlantic States	--	52	--	3	3,669	351	--	4,075	--	--	--	--	--	--	--	4,075
Total	--	52	--	3	3,669	351	--	4,075	--	--	--	--	--	--	--	4,075
Elm																
Mid-Atlantic States	5	1,191	--	118	13,322	3,450	4,782	22,868	--	--	--	--	1,116	--	1,116	23,984
Southern States	--	--	--	--	--	--	548	548	--	--	--	--	--	--	--	--
Canada	--	--	--	248	--	--	--	248	--	--	--	--	--	--	--	--
Total	5	1,191	--	366	13,322	3,450	5,330	23,664	--	--	--	--	1,116	--	1,116	23,984
Hickory																
Mid-Atlantic States	34	2,284	4	722	27,579	13,003	10,552	54,178	--	--	--	--	1,091	--	1,091	55,269
Southern States	--	--	--	--	--	1	12,228	12,230	--	--	--	--	--	--	--	--
Total	34	2,284	4	722	27,579	13,004	22,780	66,408	--	--	--	--	1,091	--	1,091	55,269
Hard maple																
Mid-Atlantic States	--	4,031	--	67,757	6,884	52,050	14,979	145,701	--	--	--	4,494	42	--	4,536	150,236
New England States	--	--	--	8	--	--	--	8	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	10	11,281	11,291	--	--	--	--	--	--	--	--
Canada	--	--	--	46,097	--	--	--	46,097	--	--	--	--	--	--	--	--
Total	--	4,031	--	113,861	6,884	52,060	26,259	203,096	--	--	--	4,494	42	--	4,536	150,236
Soft maple																
Mid-Atlantic States	1,467	12,672	689	71,390	24,409	147,632	81,463	339,721	--	--	--	6,167	11,041	--	17,208	356,929
New England States	--	--	--	3	--	--	--	3	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	64	21,952	22,016	--	--	--	--	--	--	--	--
Canada	--	--	--	9,329	--	--	--	9,329	--	--	--	--	--	--	--	--
Total	1,467	12,672	689	80,723	24,409	147,696	103,415	371,070	--	--	--	6,167	11,041	--	17,208	356,929

(Table 11 continued on next page)

(Table 11 continued)

Product form, species group, and destination	Production by state ^a										Imports					
	Dela- ware	Mary- land	New Jersey	New York	Ohio	Pennsyl- vania	West Virginia	Regional total	Central States	Lake States	New			Total imports	Total receipts	
											England States	Southern States	Canada			
Red oak																
Mid-Atlantic States	680	10,965	376	23,497	25,935	80,856	29,919	172,229	--	--	--	872	3,661	--	4,533	176,762
New England States	--	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	21	34,981	35,002	--	--	--	--	--	--	--	--
Canada	--	--	--	1,131	--	--	--	1,131	--	--	--	--	--	--	--	--
Total	680	10,965	376	24,629	25,935	80,877	64,900	208,363	--	--	--	872	3,661	--	4,533	176,762
White oak																
Mid-Atlantic States	395	13,746	261	5,802	32,029	79,478	38,537	170,249	--	--	--	324	4,385	--	4,710	174,959
Southern States	--	--	--	--	--	16	42,905	42,921	--	--	--	--	--	--	--	--
Canada	--	--	--	61	--	--	--	61	--	--	--	--	--	--	--	--
Total	395	13,746	261	5,863	32,029	79,494	81,442	213,231	--	--	--	324	4,385	--	4,710	174,959
Sweetgum																
Mid-Atlantic States	627	2,099	37	--	82	3,617	41	6,502	--	--	--	--	847	--	847	7,349
Total	627	2,099	37	--	82	3,617	41	6,502	--	--	--	--	847	--	847	7,349
Sycamore																
Mid-Atlantic States	11	773	--	--	2,595	907	5,712	9,997	--	--	--	--	742	--	742	10,740
Southern States	--	--	--	--	--	--	773	773	--	--	--	--	--	--	--	--
Total	11	773	--	--	2,595	907	6,484	10,770	--	--	--	--	742	--	742	10,740
Tupelo/gum																
Mid-Atlantic States	162	1,011	207	--	2,605	4,964	4,927	13,877	--	--	--	--	1,240	--	1,240	15,117
Southern States	--	--	--	--	--	1	1,851	1,852	--	--	--	--	--	--	--	--
Total	162	1,011	207	--	2,605	4,965	6,779	15,729	--	--	--	--	1,240	--	1,240	15,117
Yellow-poplar																
Mid-Atlantic States	224	16,410	32	2	32,826	32,261	204,807	286,561	--	--	--	--	35,206	--	35,206	321,767
Southern States	--	--	--	--	--	8	34,219	34,227	--	--	--	--	--	--	--	--
Total	224	16,410	32	2	32,826	32,269	239,026	320,788	--	--	--	--	35,206	--	35,206	321,767
Other hardwoods																
Mid-Atlantic States	116	2,869	51	505	41,870	17,998	18,428	81,838	--	--	--	--	2,077	--	2,077	83,914
Southern States	--	--	--	--	--	3	12,918	12,921	--	--	--	--	--	--	--	--
Canada	--	--	--	60	--	--	--	60	--	--	--	--	--	--	--	--
Total	116	2,869	51	565	41,870	18,001	31,346	94,818	--	--	--	--	2,077	--	2,077	83,914

Product form, species group, and destination	Production by state ^a										Imports					
	Dela- ware	Mary- land	New Jersey	New York	Ohio	Pennsyl- vania	West Virginia	Regional total	Central States	Lake States	New			Canada	Total imports	Total receipts
											England States	Southern States				
Total hardwood roundwood																
Mid-Atlantic States	4,143	93,721	1,718	314,271	265,706	648,284	505,639	1,833,482	--	--	--	28,153	70,344	--	98,497	1,931,979
New England States	--	--	--	204	--	--	--	204	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	194	214,012	214,206	--	--	--	--	--	--	--	--
Canada	--	--	--	86,778	--	--	--	86,778	--	--	--	--	--	--	--	--
Total	4,143	93,721	1,718	401,254	265,706	648,479	719,650	2,134,670	--	--	--	28,153	70,344	--	98,497	1,931,979
Hardwood residues																
Mid-Atlantic States	--	27,421	--	129,857	194,935	503,266	108,545	964,024	9,245	--	7,732	37,389	--	--	63,610	1,018,389
Southern States	--	19,895	--	--	2,147	--	171,639	193,681	--	--	--	--	--	--	--	--
Total	--	47,316	--	129,857	197,082	503,266	280,184	1,157,704	9,245	--	7,732	37,389	--	--	63,610	1,018,389
Total hardwood material																
Mid-Atlantic States	4,143	121,142	1,718	444,128	460,641	1,151,550	614,184	2,797,506	9,245	--	35,884	107,733	--	--	162,107	2,950,368
New England States	--	--	--	204	--	--	--	204	--	--	--	--	--	--	--	--
Southern States	--	19,895	--	--	2,147	194	385,651	407,887	--	--	--	--	--	--	--	--
Canada	--	--	--	86,778	--	--	--	86,778	--	--	--	--	--	--	--	--
Total	4,143	141,037	1,718	531,111	462,787	1,151,745	999,835	3,292,375	9,245	--	35,884	107,733	--	--	162,107	2,950,368
Total all roundwood																
Mid-Atlantic States	20,654	146,776	4,779	493,279	343,648	769,646	587,872	2,366,654	662	579	96,816	244,281	1,718	344,717	2,710,709	
New England States	--	--	--	1,231	--	--	--	1,231	--	--	--	--	--	--	--	--
Southern States	--	--	--	--	--	194	219,582	219,776	--	--	--	--	--	--	--	--
Canada	--	--	--	102,947	--	--	--	102,947	--	--	--	--	--	--	--	--
Total	20,654	146,776	4,779	597,456	343,648	769,841	807,454	2,690,607	662	579	96,816	244,281	1,718	344,717	2,710,709	
Total all residues																
Mid-Atlantic States	--	46,332	--	147,774	203,916	520,370	108,966	1,027,358	9,459	--	14,537	53,818	--	87,272	1,105,171	
Southern States	--	71,133	--	--	2,147	--	176,245	249,525	--	--	--	--	--	--	--	--
Total	--	117,465	--	147,774	206,063	520,370	285,212	1,276,883	9,459	--	14,537	53,818	--	87,272	1,105,171	
Total all wood material																
Mid-Atlantic States	20,654	193,108	4,779	641,053	547,564	1,290,016	696,838	3,394,012	10,120	579	111,352	298,098	1,718	431,988	3,815,880	
New England States	--	--	--	1,231	--	--	--	1,231	--	--	--	--	--	--	--	--
Southern States	--	71,133	--	--	2,147	194	395,827	469,301	--	--	--	--	--	--	--	--
Canada	--	--	--	102,947	--	--	--	102,947	--	--	--	--	--	--	--	--
Total	20,654	264,241	4,779	745,230	549,710	1,290,211	1,092,666	3,967,490	10,120	579	111,352	298,098	1,718	431,988	3,815,880	

^a Vertical columns of figures under the box heading "Production by state" present the amount of roundwood cut or residue generated in each state.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled.

Columns and rows may not add to their totals due to rounding.

Table 12.—Pulpwood production from roundwood, in thousand standard cords, unpeeled, by state and species group, Mid-Atlantic States, 2005-2008

State	All species				Hemlock				Pine			
	2005	2006	2007	2008	2005	2006	2007	2008	2005	2006	2007	2008
Delaware	23	27	31	21	--	--	--	--	22	22	24	17
Maryland	129	138	134	147	0	0	0	0	41	53	49	52
New Jersey	4	6	2	5	--	--	0	0	3	6	2	3
New York	629	601	655	597	53	80	88	78	127	68	98	86
Ohio	342	352	371	344	4	4	0	0	87	93	105	78
Pennsylvania	732	742	819	770	57	54	60	62	75	71	60	56
West Virginia	678	724	784	807	3	4	3	6	83	76	84	81
Total Mid-Atlantic States	2,538	2,591	2,798	2,691	117	142	152	146	437	390	423	372

State	Other softwoods				Birch				Maple			
	2005	2006	2007	2008	2005	2006	2007	2008	2005	2006	2007	2008
Delaware	--	--	--	--	--	--	0	0	1	2	3	1
Maryland	0	0	0	1	1	1	1	2	18	19	22	17
New Jersey	0	0	0	0	--	--	0	--	0	--	0	1
New York	25	33	59	33	69	65	59	58	204	197	196	195
Ohio	--	--	--	--	0	0	0	1	49	50	52	31
Pennsylvania	6	6	4	3	34	33	41	37	189	200	229	200
West Virginia	1	1	1	1	21	24	26	16	121	140	141	130
Total Mid-Atlantic States	32	40	64	38	125	124	127	113	582	607	643	574

State	Oak				Yellow-poplar				Other hardwoods			
	2005	2006	2007	2008	2005	2006	2007	2008	2005	2006	2007	2008
Delaware	1	1	2	1	0	0	0	0	0	1	2	1
Maryland	29	28	26	25	11	11	9	16	28	26	26	34
New Jersey	0	--	0	1	0	--	0	0	0	--	0	0
New York	27	30	30	30	0	0	0	0	125	129	126	118
Ohio	60	58	63	58	48	50	50	33	95	97	102	143
Pennsylvania	142	146	161	160	39	37	27	32	190	196	237	219
West Virginia	104	115	127	146	175	194	232	239	170	170	170	189
Total Mid-Atlantic States	363	378	408	422	273	293	318	321	608	618	664	705

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1,000 standard cords, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 13.—Pulpwood production, in standard cords, unpeeled, by mill type, product form, state of origin, and species group, Mid-Atlantic States, 2008

Product form and species group	State of origin for pulp mills							State of origin for composite product mills						
	All States	Delaware	Mary-land	New Jersey	New York	Ohio	Pennsyl-vania	West Virginia	All States	Mary-land	New York	Ohio	Pennsyl-vania	West Virginia
Softwood roundwood														
Balsam fir	10,859	--	--	--	10,859	--	--	--	--	--	--	--	--	--
Hemlock	141,849	--	374	2	76,934	--	58,744	5,794	4,209	--	834	252	3,123	--
Jack pine	361	--	--	--	119	--	242	--	2	--	--	--	--	2
Loblolly/shortleaf pine	64,293	13,486	42,509	20	--	5,335	208	2,734	364	--	--	246	--	118
Red pine	16,353	--	842	--	4,932	2,614	3,934	4,031	5,012	139	2,704	1,748	421	--
White pine	114,893	--	728	55	60,812	15,213	32,393	5,692	26,310	73	11,537	10,890	2,572	1,238
Other pines	136,874	3,024	7,696	2,969	4,138	37,947	15,546	65,555	7,547	24	1,364	3,697	938	1,523
Spruce	25,995	--	670	15	21,777	--	2,414	1,119	377	--	--	--	377	--
Tamarack	549	--	--	--	193	--	357	--	89	--	--	--	--	89
Total softwood roundwood	512,027	16,511	52,818	3,061	179,763	61,109	113,839	84,925	43,910	236	16,439	16,833	7,523	2,879
Hardwood roundwood														
Ash	68,197	93	820	1	27,232	11,094	18,131	10,826	25,056	88	2,195	3,648	10,588	8,537
Aspen/balsam poplar	29,047	17	188	14	10,515	10,352	6,946	1,015	9,995	39	3,532	2,004	3,069	1,352
Basswood	31,830	--	3,035	--	1,831	2,298	8,839	15,827	20,043	855	671	933	4,331	13,254
Beech	80,788	91	1,691	1	50,442	2,039	13,041	13,484	15,140	--	910	108	6,250	7,872
White birch	22,316	--	--	--	22,246	--	70	--	391	--	10	--	380	--
Yellow birch	45,082	--	656	--	34,778	--	3,929	5,719	2,479	--	268	--	2,089	122
Other birch	31,175	5	1,609	--	245	771	19,256	9,289	11,997	--	341	41	11,071	544
Black cherry	141,117	185	13,698	29	18,119	11,896	74,824	22,366	56,440	2,795	1,184	5,079	27,074	20,308
Black walnut	3,239	32	145	17	--	1,618	1,222	205	1,823	--	--	18	677	1,128
Cottonwood	3,431	--	52	--	3	3,138	237	--	644	--	--	530	113	--
Elm	17,319	5	911	--	300	11,086	2,265	2,752	6,346	280	65	2,236	1,185	2,579
Hickory	62,544	34	2,284	4	371	27,579	9,491	22,780	3,864	--	351	--	3,513	--
Hard maple	182,418	--	4,031	--	110,925	6,858	35,334	25,270	20,678	--	2,937	26	16,726	989
Soft maple	252,438	1,467	11,168	689	76,731	16,892	101,262	44,230	118,633	1,503	3,992	7,517	46,435	59,186
Red oak group	181,205	680	10,965	376	23,339	25,935	55,010	64,900	27,158	--	1,291	--	25,867	--
White oak group	185,021	395	13,746	261	5,396	32,029	51,751	81,442	28,210	--	467	--	27,743	--
Sweetgum	6,432	627	2,099	37	--	53	3,617	--	70	--	--	29	--	41
Sycamore	5,304	11	655	--	--	1,313	210	3,115	5,466	118	--	1,282	697	3,369
Tupelo/gum	10,662	162	874	207	--	2,112	3,248	4,059	5,067	137	--	493	1,718	2,719
Yellow-poplar	101,359	224	10,861	32	--	15,919	15,540	58,783	219,429	5,549	2	16,906	16,729	180,243
Other hardwoods	82,965	116	2,766	51	217	40,339	14,311	25,164	11,854	103	348	1,531	3,690	6,182
Total hardwood roundwood	1,543,889	4,143	82,255	1,718	382,690	223,324	438,535	411,225	590,781	11,466	18,563	42,382	209,944	308,426
Total roundwood	2,055,916	20,654	135,073	4,779	562,454	284,433	552,374	496,149	634,691	11,702	35,002	59,215	217,467	311,305
Residues														
Softwood	105,376	--	70,149	--	15,676	3,299	11,224	5,027	13,803	--	2,241	5,682	5,880	--
Hardwood	680,037	--	47,316	--	20,706	171,501	184,828	255,697	477,667	--	109,151	25,581	318,438	24,498
Total residues	785,413	--	117,465	--	36,383	174,800	196,052	260,714	491,470	--	111,392	31,263	324,318	24,498
State total	2,841,328	20,654	252,538	4,779	598,836	459,233	748,425	756,863	1,126,162	11,702	146,394	90,477	541,785	335,802

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 14.—Pulpwood production, in standard cords, unpeeled, by mill type, product form, species group, and percent change, Mid-Atlantic States, 2007 and 2008

Product form and species group	Pulp mills			Composite product mills		
	2007	2008	Change	2007	2008	Change
Softwood roundwood						
Balsam fir	18,017	10,859	-40%			--
Hemlock	150,296	141,849	-6%	1,417	4,209	197%
Jack pine		361	--	--	2	--
Loblolly/shortleaf pine	52,370	64,293	23%	814	364	-55%
Red pine	10,874	16,353	50%	6,285	5,012	-20%
White pine	165,995	114,893	-31%	37,917	26,310	-31%
Other pine	140,033	136,874	-2%	8,376	7,547	-10%
Spruce	45,830	25,995	-43%	--	377	--
Tamarack	--	549	--	--	89	--
Total softwood roundwood	583,415	512,027	-12%	54,808	43,910	-20%
Hardwood roundwood						
Ash	66,290	68,197	3%	21,069	25,056	19%
Aspen/balsam poplar	22,963	29,047	26%	17,368	9,995	-42%
Basswood	27,948	31,830	14%	31,908	20,043	-37%
Beech	91,130	80,788	-11%	20,896	15,140	-28%
White birch	22,453	22,316	-1%	793	391	-51%
Yellow birch	42,891	45,082	5%	3,495	2,479	-29%
Other birch	29,718	31,175	5%	27,954	11,997	-57%
Black cherry	128,504	141,117	10%	42,978	56,440	31%
Black walnut	2,957	3,239	10%	1,806	1,823	1%
Cottonwood	1,047	3,431	228%	956	644	-33%
Elm	10,599	17,319	63%	9,414	6,346	-33%
Hickory	51,119	62,544	22%	4,951	3,864	-22%
Hard maple	185,145	182,418	-1%	32,119	20,678	-36%
Soft maple	249,719	252,438	1%	175,702	118,633	-32%
Red oak group	160,860	181,205	13%	38,476	27,158	-29%
White oak group	172,603	185,021	7%	35,942	28,210	-22%
Sweetgum	7,685	6,432	-16%	73	70	-5%
Sycamore	8,286	5,304	-36%	7,307	5,466	-25%
Tupelo/gum	9,800	10,662	9%	5,670	5,067	-11%
Yellow-poplar	106,797	101,359	-5%	211,141	219,429	4%
Other hardwoods	41,065	82,965	102%	29,795	11,854	-60%
Total hardwood roundwood	1,439,576	1,543,889	7%	719,813	590,781	-18%
Total roundwood	2,022,990	2,055,916	2%	774,621	634,691	-18%
Residues						
Softwood	161,895	105,376	-35%	9,196	13,803	50%
Hardwood	663,746	680,037	2%	478,675	477,667	0%
Total residues	825,641	785,413	-5%	487,872	491,470	1%
State total	2,848,632	2,841,328	0%	1,262,493	1,126,162	-11%

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

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Table 15.—Pulpwood production from roundwood, in standard cords, unpeeled, by state, Forest Inventory Unit, county, and species group, Delaware, Maryland, and New Jersey, 2008

State, Forest Inventory Unit, and county ^a	All species	Softwood					Hardwood								
		Hemlock	Loblolly/ shortleaf pine	Red pine	White pine	Other pines	Spruce	Total softwoods	Ash	Aspen/ balsam poplar	Bass- wood	Beech	Yellow birch	Other birch	
DELAWARE															
Kent	1,179	--	379	--	--	325	--	704	15	0	--	6	--	--	
New Castle	68	--	1	--	--	1	--	2	3	--	--	1	--	--	
Sussex	19,406	--	13,107	--	--	2,697	--	15,804	75	16	--	83	--	5	
Delaware total	20,654	--	13,486	--	--	3,024	--	16,511	93	17	--	91	--	5	
MARYLAND															
North Central															
Anne Arundel	4,076	--	282	--	159	766	--	1,207	151	12	--	109	--	9	
Baltimore	1,361	--	--	--	4	117	--	121	23	18	--	16	--	--	
Caroline	2,820	--	1,594	--	--	368	--	1,963	2	--	--	8	--	4	
Carroll	179	--	--	--	20	--	--	20	--	--	--	--	--	5	
Cecil	1,717	--	--	--	--	46	--	46	1	--	--	143	--	11	
Frederick	715	--	81	--	--	106	--	187	25	--	--	12	--	8	
Harford	5,939	--	72	--	--	86	--	158	62	--	--	274	--	250	
Howard	1,219	--	177	--	95	--	--	271	--	--	--	1	--	--	
Kent	138	--	138	--	--	--	--	138	--	--	--	--	--	--	
Montgomery	1,037	--	--	--	--	85	30	114	39	--	--	50	--	--	
Prince George's	3,586	--	48	--	--	862	--	910	46	--	--	79	--	14	
Queen Anne's	485	--	78	--	--	--	--	78	34	--	--	2	--	0	
Talbot	77	--	49	--	--	4	--	53	--	--	--	9	--	--	
Washington	664	13	--	--	16	8	--	38	50	--	13	2	--	52	
Total	24,013	13	2,519	--	294	2,449	30	5,305	435	29	13	706	--	354	
Southern															
Calvert	70	--	--	--	--	25	--	25	--	--	--	7	--	--	
Charles	1,711	--	572	--	--	1,051	--	1,623	3	--	--	4	--	--	
St. Mary's	14,585	--	5,224	--	--	2,965	--	8,189	--	--	8	657	--	--	
Total	16,366	--	5,797	--	--	4,041	--	9,837	3	--	8	668	--	--	
Lower Eastern Shore															
Dorchester	4,226	--	3,516	--	--	28	--	3,544	--	--	--	6	--	--	
Somerset	13,759	--	13,569	--	--	--	--	13,569	29	--	--	1	--	--	
Wicomico	17,317	--	17,030	--	--	--	--	17,030	10	--	--	11	--	--	
Worcester	96	--	79	--	--	1	--	81	0	--	--	0	--	--	
Total	35,398	--	34,193	--	--	30	--	34,223	39	--	--	19	--	--	
Western															
Allegany	14,225	--	--	--	33	1,129	--	1,163	206	6	724	--	--	133	
Garrett	56,773	360	--	981	474	71	640	2,526	226	191	3,143	298	656	1,122	
Total	70,998	360	--	981	507	1,200	640	3,689	432	197	3,867	298	656	1,255	
Maryland total	146,776	374	42,509	981	801	7,720	670	53,055	908	227	3,889	1,691	656	1,609	

NEW JERSEY													
Atlantic	38	--	0	--	--	38	--	38	--	--	--	--	--
Burlington	111	--	6	--	6	98	--	111	--	--	--	--	--
Camden	2,162	--	--	--	12	1,418	14	1,444	--	--	--	--	--
Hunterdon	12	2	--	--	8	--	2	12	--	--	--	--	--
Mercer	12	--	--	--	6	6	--	12	--	--	--	--	--
Monmouth	264	--	2	--	--	61	--	63	--	2	--	1	--
Ocean	2,180	--	11	--	22	1,348	--	1,381	1	12	--	--	--
New Jersey total	4,779	2	20	--	55	2,969	15	3,061	1	14	--	1	--

(Table 15 continued on next page)

(Table 15 continued)

State, Forest Inventory Unit, and county ^a	Hardwood														
	Black cherry	Black walnut	Cotton- wood	Elm	Hickory	Hard maple	Soft maple	Red oak group	White oak group	Sweet- gum	Syca- more	Tupelo/ gum	Yellow- poplar	Other hard- woods	Total
DELAWARE															
Kent	23	--	--	4	4	--	114	73	60	82	--	31	54	7	475
New Castle	1	1	--	--	0	--	11	9	3	7	--	2	27	2	66
Sussex	161	31	--	1	30	--	1,342	598	332	537	11	128	143	107	3,602
Delaware total	185	32	--	5	34	--	1,467	680	395	627	11	162	224	116	4,143
MARYLAND															
North Central															
Anne Arundel	41	37	--	1	136	--	138	287	315	544	29	96	876	87	2,868
Baltimore	32	19	--	2	60	--	124	220	47	--	29	12	610	27	1,240
Caroline	11	--	--	--	14	--	258	185	115	119	15	9	114	1	857
Carroll	15	1	--	--	7	--	8	30	36	--	--	3	53	2	159
Cecil	70	19	--	--	49	--	114	396	188	92	--	8	494	85	1,671
Frederick	9	2	--	2	36	1	45	82	132	--	8	12	138	14	528
Harford	383	42	--	76	139	--	595	550	360	742	41	79	2,024	162	5,780
Howard	31	--	--	--	74	--	175	245	84	1	25	15	290	5	947
Kent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Montgomery	74	3	52	21	8	--	143	138	71	--	78	7	176	62	923
Prince George's	28	17	--	10	131	--	323	278	337	133	90	124	1,010	56	2,676
Queen Anne's	8	1	--	23	8	--	93	50	66	73	--	25	22	2	407
Talbot	--	--	--	--	2	--	2	2	2	4	--	2	0	0	24
Washington	0	3	--	--	33	24	37	108	186	--	4	2	106	5	626
Total	703	145	52	135	697	26	2,055	2,570	1,940	1,708	321	395	5,914	509	18,708
Southern															
Calvert	0	--	--	0	3	--	3	2	7	4	2	1	14	--	44
Charles	1	--	--	2	2	--	4	12	9	16	0	2	30	1	88
St. Mary's	120	--	--	--	249	--	905	754	977	143	--	133	2,410	40	6,396
Total	122	--	--	2	255	--	913	769	993	163	2	136	2,454	41	6,529
Lower Eastern Shore															
Dorchester	19	--	--	--	16	--	214	158	67	116	--	48	27	10	682
Somerset	--	--	--	--	--	--	76	2	17	45	--	20	--	--	191
Wicomico	2	--	--	--	0	--	85	20	12	63	--	34	50	1	287
Worcester	--	--	--	--	--	--	6	1	1	3	--	2	2	--	16
Total	21	--	--	--	17	--	380	181	98	228	--	104	78	11	1,176
Western															
Allegany	717	0	--	540	443	866	867	1,431	4,414	--	450	361	1,515	389	13,062
Garrett	14,930	--	--	514	872	3,140	8,457	6,014	6,302	--	--	15	6,448	1,918	54,246
Total	15,647	0	--	1,054	1,315	4,005	9,324	7,445	10,716	--	450	376	7,963	2,307	67,309
Maryland total	16,493	145	52	1,191	2,284	4,031	12,672	10,965	13,746	2,099	773	1,011	16,410	2,869	93,721

NEW JERSEY

Atlantic	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Burlington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Camden	--	--	--	--	--	400	149	72	6	--	--	79	--	--	--	11	--	--	--	--	--	718	
Hunterdon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Mercer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Monmouth	3	0	--	--	4	50	25	36	30	--	--	9	25	16	201	--	--	--	--	--	--	201	
Ocean	26	16	--	--	--	239	201	153	0	--	--	118	7	24	799	--	--	--	--	--	--	799	
New Jersey total	29	17	--	--	4	689	376	261	37	--	--	207	32	51	1,718								

^a Includes only those counties that supplied pulpwood in 2008.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled.

Columns and rows may not add to their totals due to rounding.

Table 16.—Pulpwood production from roundwood, in standard cords, unpeeled, by Forest Inventory Unit, county, and species group, New York, 2008

Forest Inventory Unit and county ^a	Softwood										Hardwood				
	All species	Balsam fir	Hemlock	Jack pine	Red pine	White pine	Other pine	Spruce	Tama- rack	Total softwoods	Aspen/ balsam				
											Ash	poplar	Bass- wood		
Adirondack															
Clinton	18,055	439	466	--	262	3,547	28	119	--	4,862	1,284	467	146	2,183	
Franklin	63,193	666	957	--	170	4,847	1,072	1,657	--	9,368	3,257	1,831	218	6,279	
Jefferson	8,999	--	349	--	2,218	3,788	42	20	--	6,417	442	304	--	78	
St. Lawrence	96,128	386	1,731	--	1,244	8,596	740	1,200	--	13,896	4,911	2,808	--	14,366	
Total	186,375	1,491	3,504	--	3,894	20,778	1,881	2,995	--	34,543	9,894	5,409	365	22,906	
Lake Plain															
Cayuga	1,272	--	--	--	177	649	--	--	--	825	92	16	38	15	
Livingston	1,952	--	--	--	--	75	--	--	--	75	128	15	218	45	
Madison	515	2	5	--	--	--	--	7	--	14	128	22	10	13	
Monroe	138	--	--	--	--	99	34	--	--	134	--	--	--	--	
Onondaga	1,447	--	222	--	--	--	--	679	--	902	79	11	31	27	
Ontario	483	--	--	--	--	--	--	--	--	--	55	6	42	8	
Oswego	3,838	--	3,134	--	--	--	--	147	--	3,281	52	45	--	--	
Seneca	146	--	--	--	--	--	--	--	--	--	10	--	26	17	
Wayne	328	--	--	--	11	--	--	71	--	82	47	3	8	7	
Wyoming	278	--	--	--	--	--	--	--	--	--	41	23	7	27	
Yates	214	--	11	--	--	6	4	--	--	22	33	42	7	1	
Total	10,611	2	3,373	--	188	829	38	904	--	5,335	666	184	388	160	
Western Adirondack															
Fulton	16,068	434	6,249	--	--	2,749	--	1,407	--	10,840	660	288	--	76	
Herkimer	12,318	530	1,418	--	177	7	56	2,513	--	4,701	395	86	--	1,241	
Lewis	28,304	2,637	3,871	--	68	269	8	2,073	--	8,925	1,134	397	--	2,320	
Oneida	8,738	71	604	--	155	3,333	306	153	--	4,622	326	68	2	936	
Total	65,428	3,672	12,142	--	400	6,358	370	6,146	--	29,088	2,515	840	2	4,572	
Eastern Adirondack															
Essex	80,125	2,630	7,446	102	741	8,687	124	3,187	--	22,916	4,083	1,420	556	7,275	
Hamilton	46,697	502	2,788	--	--	3,607	--	1,792	--	8,688	2,339	399	--	8,575	
Warren	52,100	1,295	10,225	--	321	11,418	215	2,169	--	25,642	2,493	1,396	--	2,358	
Total	178,921	4,427	20,459	102	1,061	23,711	338	7,148	--	57,246	8,915	3,215	556	18,208	
Southwest Highlands															
Allegany	5,433	--	96	--	585	508	435	49	10	1,683	444	459	504	152	
Cattaraugus	8,480	--	--	--	541	897	202	--	--	1,640	749	412	261	425	
Chautauqua	675	--	--	--	--	--	664	--	--	664	2	2	--	--	
Steuben	5,194	--	212	--	122	2,765	346	1	9	3,454	225	126	85	84	
Total	19,782	--	308	--	1,248	4,170	1,646	50	19	7,441	1,420	998	851	661	
South-Central Highlands															
Broome	1,275	--	172	--	11	128	25	50	9	395	120	44	33	48	
Chemung	853	--	107	--	44	217	24	16	--	407	66	46	45	18	

Chenango	1,250	--	87	--	--	17	--	--	19	--	123	82	32	37	68
Cortland	2,641	--	272	--	49	1,470	7	62	--	--	1,860	168	31	16	20
Delaware	6,295	--	2,433	--	--	1	105	0	207	--	2,747	427	32	83	199
Otsego	2,268	--	467	--	81	125	23	150	9	--	854	215	52	22	185
Schuyler	2,618	--	248	--	10	1,541	222	155	155	--	2,331	50	37	17	11
Tioga	1,699	--	364	--	84	536	26	229	--	--	1,239	58	50	23	5
Tompkins	509	--	--	--	17	17	17	--	--	--	68	58	102	29	13
Total	19,408	--	4,150	17	297	4,156	344	888	173	--	10,024	1,244	428	305	566
Capitol District															
Albany	2,165	7	65	--	156	1,258	214	7	--	--	1,707	28	34	--	103
Columbia	303	--	65	--	1	63	2	--	--	--	131	21	4	--	4
Montgomery	1,926	--	771	--	--	--	--	125	--	--	896	31	374	--	--
Rensselaer	19,916	611	7,943	--	--	760	--	345	--	--	9,659	715	820	--	358
Saratoga	63,296	622	14,295	--	124	6,266	631	2,459	--	--	24,396	2,439	895	--	3,050
Schenectady	92	--	--	--	--	88	4	--	--	--	92	--	--	--	--
Washington	20,748	--	7,437	--	194	3,396	--	31	--	--	11,057	1,065	684	--	565
Total	108,446	1,240	30,575	--	475	11,832	850	2,967	--	--	47,939	4,299	2,811	--	4,080
Catskill-Lower Hudson															
Dutchess	231	--	177	--	--	--	--	54	--	--	231	--	--	--	--
Greene	2,231	26	1,125	--	--	69	--	347	--	--	1,567	88	23	6	31
Orange	120	--	--	--	--	--	--	--	--	--	--	9	--	--	--
Schoharie	3,239	--	1,557	--	72	122	13	240	--	--	2,004	223	116	14	24
Sullivan	2,114	--	380	--	--	306	22	35	--	--	743	98	10	5	105
Ulster	549	1	18	--	--	19	--	2	--	--	40	56	12	12	39
Total	8,485	27	3,258	--	72	516	35	678	--	--	4,586	474	161	37	198
State total	597,456	10,859	77,768	119	7,636	72,349	5,502	21,777	193	--	196,202	29,427	14,047	2,502	51,352

(Table 16 continued on next page)

(Table 16 continued)

Forest Inventory Unit and county ^a	Hardwood													
	White birch	Yellow birch	Other birch	Black cherry	Cotton- wood	Elm	Hickory	Hard maple	Soft maple	Red oak group	White oak group	Yellow- poplar	Other hard- woods	Total
Adirondack														
Clinton	1,051	1,053	63	491	--	125	--	2,807	2,818	439	207	--	60	13,193
Franklin	1,860	4,397	65	1,299	--	98	--	24,645	8,735	693	448	--	--	53,824
Jefferson	34	63	--	365	--	--	--	526	646	115	9	--	--	2,582
St. Lawrence	4,292	6,165	--	2,815	--	--	--	28,902	13,601	2,709	1,663	--	--	82,232
Total	7,238	11,677	128	4,970	--	223	--	56,880	25,800	3,956	2,327	--	60	151,832
Lake Plain														
Cayuga	--	1	--	22	--	10	29	77	47	4	12	--	83	447
Livingston	--	7	14	75	--	--	226	261	200	518	144	--	25	1,877
Madison	--	7	--	96	--	4	6	149	67	--	0	--	--	501
Monroe	--	--	--	--	--	--	--	--	--	--	--	--	4	4
Onondaga	--	9	--	31	--	6	12	146	117	13	2	--	62	545
Ontario	--	--	--	17	--	--	73	78	66	69	24	--	44	483
Oswego	0	31	--	103	--	--	--	69	254	3	--	--	--	557
Seneca	--	--	--	4	--	0	22	20	41	--	3	--	2	146
Wayne	--	3	--	10	3	8	23	26	83	0	--	--	26	246
Wyoming	--	2	--	19	--	5	12	93	19	7	--	--	23	278
Yates	--	3	--	10	--	--	20	24	16	25	2	--	8	192
Total	0	62	14	387	3	34	422	941	909	641	188	--	278	5,276
Western Adirondack														
Fulton	23	597	--	534	--	--	--	863	2,020	159	9	--	--	5,228
Herkimer	359	1,179	--	487	--	--	--	1,455	2,042	232	140	--	--	7,616
Lewis	714	2,073	--	2,272	--	--	--	4,035	5,698	472	264	--	--	19,379
Oneida	266	374	--	211	--	--	--	826	837	165	106	--	--	4,116
Total	1,362	4,222	--	3,504	--	--	--	7,180	10,597	1,027	519	--	--	36,339
Eastern Adirondack														
Essex	7,185	7,858	8	1,001	--	24	--	16,468	8,324	2,461	545	--	--	57,209
Hamilton	2,546	4,455	--	1,334	--	--	--	8,175	7,689	1,524	972	--	--	38,008
Warren	1,857	2,999	--	867	--	--	--	7,059	5,060	2,103	266	--	--	26,458
Total	11,588	15,312	8	3,201	--	24	--	31,702	21,074	6,088	1,782	--	--	121,675
Southwest Highlands														
Allegany	--	28	63	157	--	34	77	741	678	284	35	--	94	3,750
Cattaraugus	--	121	33	1,026	--	15	69	1,630	1,519	397	123	--	59	6,840
Chautauqua	--	--	--	2	--	--	--	2	3	--	--	--	--	11
Steuben	--	2	26	65	--	2	63	331	396	259	71	--	5	1,740
Total	--	151	122	1,250	--	51	209	2,703	2,597	940	229	--	158	12,341
South-Central Highlands														
Broome	--	5	25	55	--	0	7	72	306	131	28	--	6	880
Chemung	--	1	9	3	--	--	8	64	78	93	14	--	--	446

Chenango	--	36	23	106	--	4	20	228	409	62	13	--	7	1,127
Cortland	1	13	17	115	0	8	--	215	158	4	0	--	15	781
Delaware	5	87	34	365	--	6	2	823	1,334	132	7	--	11	3,548
Otsego	36	54	17	94	--	2	8	233	338	134	25	--	--	1,414
Schuyler	--	3	6	15	--	--	11	60	53	21	2	--	1	287
Tioga	--	3	7	13	--	--	2	94	121	52	28	--	3	460
Tompkins	--	2	16	30	--	0	24	41	36	61	9	--	18	441
Total	41	204	155	797	0	20	83	1,830	2,832	688	127	--	61	9,384
Capital District														
Albany	30	38	2	15	--	--	--	90	85	22	11	--	--	458
Columbia	7	4	--	8	--	--	--	34	30	59	0	--	--	172
Montgomery	35	13	--	99	--	--	--	133	273	71	--	--	--	1,030
Rensselaer	192	437	--	584	--	--	--	1,699	3,504	1,906	41	--	--	10,256
Saratoga	1,271	2,386	--	3,649	--	--	--	7,388	10,312	7,165	344	--	--	38,900
Schenectady	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	435	334	--	649	--	--	--	2,528	1,807	1,560	64	--	--	9,690
Total	1,970	3,211	2	5,005	--	--	--	11,874	16,011	10,784	460	--	--	60,507
Catskill-Lower Hudson														
Dutchess	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Greene	16	82	9	29	--	0	--	197	61	105	16	--	--	663
Orange	--	--	--	--	--	2	3	7	33	32	33	--	--	120
Schoharie	37	33	2	54	--	--	--	309	238	181	5	0	--	1,236
Sullivan	1	66	115	100	--	8	4	136	441	133	147	--	3	1,371
Ulster	2	26	32	5	--	2	--	103	130	54	29	1	5	509
Total	56	206	158	189	--	13	7	751	903	506	230	2	8	3,899
State total	22,256	35,046	586	19,303	3	366	722	113,861	80,723	24,629	5,863	2	565	401,254

^a Includes only those counties that supplied pulpwood in 2008.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 17—Pulpwood production from roundwood, in standard cords, unpeeled, by Forest Inventory Unit, county, and species group, Ohio, 2008

Forest Inventory Unit and county ^a	All species	Softwood					Hardwood						
		Hemlock	loblolly/ shortleaf pine	Red pine	White pine	Other pine	Total softwoods	Ash	Aspen/ balsam poplar	Bass- wood	Beech	Other birch	Black cherry
South-Central													
Adams	853	--	--	--	--	85	85	26	--	1	9	--	3
Gallia	9,737	--	--	382	--	2,754	3,136	643	3	--	6	96	32
Jackson	54,791	--	55	--	670	11,414	12,140	1,152	1,975	22	4	5	780
Lawrence	2,838	--	--	--	18	118	136	124	43	--	64	--	41
Pike	25,878	--	--	2,096	230	2,496	4,823	207	42	106	6	--	401
Ross	30,864	--	--	--	8,559	3,756	12,316	702	--	--	5	--	422
Scioto	31,619	--	5,335	--	8	124	5,467	1,048	73	34	29	--	161
Total	156,580	--	5,391	2,478	9,486	20,748	38,102	3,903	2,136	163	123	100	1,841
Southeastern													
Athens	8,497	--	--	--	1,587	824	2,411	1,824	176	52	14	--	154
Hocking	19,292	--	--	--	19	6,386	6,405	14	2,440	1	41	577	482
Meigs	9,786	--	183	--	2,221	2,441	4,845	683	84	--	5	5	42
Morgan	922	--	--	--	11	--	11	113	11	3	7	--	60
Perry	3,066	--	--	--	--	210	210	38	345	11	48	1	513
Vinton	33,493	--	3	--	0	7,905	7,909	4	3,928	4	14	--	533
Washington	8,336	--	4	--	745	684	1,433	307	252	56	200	--	197
Total	83,391	--	190	--	4,584	18,449	23,223	2,983	7,235	127	330	584	1,982
East-Central													
Belmont	7,882	--	--	--	--	810	810	680	48	119	260	--	1,816
Carroll	1,838	--	--	--	23	13	36	152	33	--	8	--	325
Coshocton	7,513	--	--	--	47	227	274	538	324	332	488	46	606
Guernsey	5,050	--	--	63	1,380	93	1,536	200	457	7	87	--	629
Harrison	7,888	--	--	173	3,274	--	3,447	867	173	--	32	--	770
Holmes	3,091	--	--	--	205	--	205	687	70	57	36	--	489
Jefferson	7,429	--	--	--	--	15	15	267	159	212	91	--	2,886
Monroe	3,058	--	--	--	651	177	828	101	3	47	41	--	240
Muskingum	3,035	--	--	--	923	49	973	174	255	11	36	--	161
Noble	3,799	--	--	262	1,173	26	1,462	235	193	85	0	--	262
Tuscarawas	18,656	--	--	35	836	--	871	281	579	--	333	2	1,985
Total	69,240	--	--	533	8,513	1,411	10,458	4,181	2,294	870	1,413	47	10,170
Northeastern													
Ashland	1,747	89	--	346	667	--	1,103	158	38	24	--	--	130
Columbiana	3,480	22	--	--	196	9	227	214	142	81	81	5	493
Cuyahoga	237	--	--	--	--	--	--	15	--	7	5	--	34
Erie	23	--	--	--	--	--	--	2	--	2	--	--	1
Geauga	38	--	--	--	--	--	--	3	1	1	4	--	6
Huron	260	--	--	--	--	--	--	22	6	26	--	--	21
Lake	29	--	--	--	--	--	--	7	--	3	--	--	0

Lorain	404	--	--	--	--	--	--	--	32	--	26	9	--	9
Mahoning	314	--	--	--	--	--	--	--	15	4	--	--	--	40
Medina	1,053	--	--	--	467	16	--	483	222	--	34	6	--	44
Portage	2,578	--	--	--	118	--	--	118	203	226	52	88	--	571
Richland	2,009	--	--	456	--	764	--	1,220	223	14	19	27	--	53
Stark	371	--	--	--	--	--	--	--	15	106	32	--	--	78
Summit	1,264	--	--	--	--	--	--	--	141	--	--	--	--	365
Trumbull	573	--	--	--	--	62	--	62	18	40	4	0	9	96
Wayne	621	142	--	--	--	--	--	142	27	--	--	9	6	57
Total	15,001	252	--	803	1,448	851	--	3,355	1,317	578	308	229	20	1,998
Southwestern														
Fairfield	2,270	--	--	--	--	30	--	30	113	48	--	42	62	172
Licking	737	--	--	--	168	--	--	168	56	22	31	--	--	79
Pickaway	650	--	--	--	--	147	--	147	--	--	--	--	--	--
Total	3,657	--	--	--	168	177	--	345	169	70	31	42	62	251
Northwestern														
Knox	3,218	--	--	--	1,812	--	--	1,812	193	43	--	9	--	311
Logan	123	--	--	--	--	--	--	--	--	--	--	--	--	--
Marion	439	--	--	--	--	--	--	--	28	--	8	--	--	--
Morrow	332	--	--	7	--	--	--	7	116	--	16	--	--	12
Seneca	9,401	--	--	--	--	--	--	--	1,771	--	1,394	--	--	404
Williams	2,256	--	--	541	91	--	--	633	80	--	314	--	--	8
Wood	8	--	--	--	--	8	--	8	--	--	--	--	--	--
Total	15,778	--	--	548	1,904	8	--	2,460	2,188	43	1,731	9	--	734
State total	343,648	252	5,581	4,362	26,103	41,644	--	77,942	14,741	12,357	3,231	2,147	813	16,976

(Table 17 continued on next page)

(Table 17 continued)

Forest Inventory Unit and county ^a	Hardwood													
	Black walnut	Cotton- wood	Elm	Hickory	Hard maple	Soft maple	Red oak group	White			Tupelo/ gum	Yellow- poplar	Other	
								oak group	Sweet- gum	Syca- more			hard- woods	hardwoods
South-Central														
Adams	2	--	18	17	8	27	105	44	--	1	0	170	337	768
Gallia	2	--	411	363	149	126	2	681	--	16	1	1,411	2,658	6,601
Jackson	3	--	3,488	13,174	25	2,880	436	3,693	--	282	93	4,423	10,217	42,651
Lawrence	2	--	67	15	14	180	170	889	5	56	21	721	290	2,702
Pike	--	--	831	4,361	93	483	640	21	--	21	1,289	1,402	11,153	21,056
Ross	2	2,152	933	1,437	1,084	1,775	349	3,587	--	1	1	518	5,580	18,548
Scioto	16	--	53	2,340	515	568	5,349	11,681	14	99	134	3,139	898	26,153
Total	27	2,152	5,803	21,707	1,887	6,039	7,051	20,596	19	476	1,539	11,785	31,132	118,478
Southeastern														
Athens	1	--	462	101	54	351	17	283	--	125	16	1,982	475	6,086
Hocking	5	4	769	269	125	3,132	700	1,567	1	393	8	1,482	878	12,887
Meigs	3	5	857	224	655	394	3	31	--	95	60	1,131	664	4,941
Morgan	2	10	62	--	3	86	--	--	--	9	8	496	41	911
Perry	9	6	96	45	68	260	83	60	2	27	22	1,167	56	2,856
Vinton	2	--	413	802	6	265	11,829	4,204	1	3	5	341	3,229	25,584
Washington	109	--	738	333	572	543	549	1,032	--	60	17	1,135	803	6,903
Total	131	24	3,395	1,774	1,483	5,031	13,182	7,176	4	712	135	7,734	6,145	60,168
East-Central														
Belmont	71	64	684	322	572	497	148	228	--	54	2	1,199	308	7,072
Carroll	--	--	28	81	50	381	256	104	--	--	59	246	79	1,802
Coshocton	74	120	179	389	224	1,272	667	228	18	86	39	1,225	385	7,239
Guernsey	58	--	121	196	38	338	231	292	--	2	44	753	62	3,514
Harrison	54	3	387	95	289	384	113	67	--	2	208	706	292	4,441
Holmes	38	24	71	122	144	165	165	142	--	93	103	189	293	2,885
Jefferson	27	--	343	219	268	1,324	595	272	--	185	76	201	290	7,414
Monroe	23	--	110	83	144	297	116	78	--	109	13	664	161	2,230
Muskingum	11	--	163	31	20	259	43	15	--	364	22	452	44	2,063
Noble	17	32	236	111	227	268	106	93	--	20	4	291	157	2,338
Tuscarawas	78	603	569	480	512	3,265	1,625	1,326	41	180	186	5,001	739	17,785
Total	451	846	2,889	2,129	2,487	8,450	4,065	2,845	59	1,095	755	10,926	2,810	58,782
Northeastern														
Ashland	1	--	83	5	12	137	9	4	--	--	5	--	38	645
Columbiana	11	65	41	78	323	526	305	22	--	--	71	561	234	3,252
Cuyahoga	--	8	9	3	14	64	49	--	--	--	0	21	7	237
Erie	3	--	2	1	--	1	4	--	--	7	--	--	0	23
Geauga	1	--	1	3	5	12	1	--	--	--	--	1	0	38
Huron	--	19	3	36	5	38	48	35	--	--	--	0	--	260
Lake	1	0	0	1	7	3	2	3	--	1	--	0	1	29

Lorain	1	25	9	34	37	129	48	19	--	2	--	12	10	404
Mahoning	--	--	24	2	0	179	27	18	--	--	0	--	3	314
Medina	2	67	9	1	9	104	2	3	--	--	--	68	--	570
Portage	--	--	39	289	110	430	128	83	--	75	42	65	60	2,460
Richland	39	8	76	63	88	76	43	26	--	--	4	1	30	789
Stark	--	--	31	--	--	62	--	--	--	1	2	13	32	371
Summit	--	4	45	--	--	191	302	42	--	--	29	144	--	1,264
Trumbull	--	6	36	1	--	279	2	0	--	--	2	6	11	511
Wayne	--	--	7	4	2	140	5	2	--	63	--	148	9	480
Total	59	203	416	521	611	2,370	976	259	--	150	155	1,041	434	11,646
Southwestern														
Fairfield	31	--	310	107	138	137	156	108	--	12	12	392	401	2,241
Licking	7	7	20	13	27	85	20	22	--	136	9	13	23	569
Pickaway	--	--	131	--	--	--	--	371	--	--	--	--	--	503
Total	38	7	461	120	165	222	176	501	--	147	21	405	424	3,312
Northwestern														
Knox	25	144	94	42	71	165	78	12	--	7	--	131	80	1,406
Logan	--	--	114	--	5	--	3	--	--	--	--	--	1	123
Marion	--	85	23	21	--	157	110	--	--	8	--	--	0	439
Morrow	--	3	35	--	--	123	--	--	--	--	--	21	--	326
Seneca	904	--	63	1,266	175	1,659	295	639	--	--	--	--	831	9,401
Williams	--	205	30	--	--	193	--	--	--	--	--	783	12	1,624
Wood	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	929	436	358	1,329	251	2,297	486	652	--	15	--	935	925	13,319
State total	1,636	3,669	13,322	27,579	6,884	24,409	25,935	32,029	82	2,595	2,605	32,826	41,870	265,706

^a Includes only those counties that supplied pulpwood in 2008.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 18.—Pulpwood production from roundwood, in standard cords, unpeeled, by Forest Inventory Unit, county, and species group, Pennsylvania, 2008

Forest Inventory Unit and county ^a	Softwood										Total softwoods
	All species	Hemlock	Jack pine	Loblolly/ shortleaf pine	Red pine	White pine	Other pine	Spruce	Tama- rack		
South Central											
Dauphin	7,555	441	--	--	--	321	352	--	--	1,114	
Franklin	14,014	719	--	--	--	--	240	--	--	959	
Fulton	6,025	415	--	--	--	689	1,402	--	--	2,506	
Huntingdon	28,348	2,683	--	--	39	3,505	3,130	189	--	9,547	
Juniata	6,908	268	--	120	--	176	130	--	--	694	
Mifflin	7,204	342	--	--	--	479	11	--	--	831	
Perry	2,746	251	--	--	--	138	68	--	--	457	
Snyder	6,360	410	--	--	--	323	564	--	--	1,297	
Union	6,172	586	--	--	9	259	--	--	--	854	
Total	85,333	6,115	--	120	48	5,890	5,898	189	--	18,260	
Western											
Allegheny	811	--	--	--	--	--	6	--	--	6	
Armstrong	4,227	136	--	--	39	12	33	10	11	241	
Beaver	631	--	--	--	--	67	4	6	--	77	
Butler	4,062	--	--	--	--	52	1	13	1	67	
Crawford	7,299	168	--	--	10	242	49	1	--	470	
Erie	1,308	91	--	--	--	13	19	54	17	194	
Greene	4,712	--	--	--	--	67	--	--	--	67	
Indiana	10,714	983	--	--	24	193	138	--	104	1,442	
Lawrence	740	--	--	--	--	1	1	--	--	2	
Mercer	11,388	586	--	--	235	1,032	478	32	--	2,363	
Washington	3,756	--	--	--	--	--	2	--	--	2	
Westmoreland	6,642	35	--	--	16	5	14	7	9	86	
Total	56,289	2,000	--	--	323	1,686	743	123	142	5,017	
North Central/Allegheny											
Cameron	15,126	81	--	--	14	116	7	18	--	237	
Centre	37,463	2,280	--	--	10	1,086	1,037	37	1	4,452	
Clarion	10,637	2,428	245	--	--	619	915	12	16	4,235	
Clearfield	48,764	9,456	--	--	628	4,536	301	38	44	15,001	
Clinton	17,457	476	--	--	--	494	228	--	--	1,198	
Elk	34,408	8,264	--	--	476	2,876	85	98	--	11,799	
Forest	6,046	515	--	--	--	184	--	--	--	699	
Jefferson	16,817	4,344	--	--	974	2,658	239	100	--	8,315	
Lycoming	18,794	3,340	--	--	313	1,508	112	1	--	5,274	
McKean	122,204	3,326	--	--	--	1,693	--	16	--	5,036	
Potter	27,450	972	--	--	305	86	31	1	--	1,395	
Sullivan	5,145	1,773	--	--	--	282	409	--	--	2,464	

Tioga	9,464	1,848	--	--	1,069	560	8	4	7	3,497
Venango	4,129	139	--	--	59	54	33	2	--	286
Warren	16,340	914	--	--	--	316	--	--	4	1,234
Total	390,246	40,157	245	--	3,847	17,069	3,404	329	72	65,122
Southwestern										
Bedford	41,311	1,251	--	88	--	2,430	4,216	--	--	7,985
Blair	8,142	445	--	--	30	315	16	--	8	814
Cambria	33,591	1,988	--	--	--	628	32	1,100	--	3,749
Fayette	8,880	31	--	--	--	73	14	--	--	118
Somerset	35,962	830	--	--	56	1,145	--	242	49	2,323
Total	127,886	4,545	--	88	86	4,590	4,278	1,343	58	14,988
Northeastern/Pocono										
Bradford	4,827	789	--	--	2	498	30	--	--	1,319
Carbon	2,422	317	--	--	--	100	19	1	--	437
Columbia	9,656	2,146	--	--	--	856	457	--	--	3,458
Lackawanna	1,697	21	--	--	--	--	8	--	--	29
Luzerne	6,897	1,469	--	--	--	786	157	--	--	2,411
Monroe	4,488	73	--	--	--	50	24	6	9	162
Montour	375	--	--	--	--	--	--	--	--	--
Northumberland	6,422	384	--	--	--	37	206	--	--	627
Pike	4,969	152	--	--	--	507	89	59	--	807
Schuylkill	16,902	315	--	--	--	139	76	--	--	530
Susquehanna	5,722	1,235	--	--	9	514	71	158	--	1,988
Wayne	4,635	859	--	--	30	28	15	8	--	941
Wyoming	1,297	102	--	--	--	52	--	10	--	163
Total	70,308	7,861	--	--	42	3,567	1,154	241	9	12,873
Southeastern										
Adams	4,110	37	--	--	--	334	75	--	--	447
Berks	2,756	18	--	--	--	34	--	95	--	148
Bucks	478	36	--	--	--	--	82	--	--	118
Chester	2,472	--	--	--	--	244	--	--	30	273
Cumberland	5,095	--	--	--	--	299	234	--	--	533
Delaware	1,500	--	--	--	--	246	241	--	--	487
Lancaster	3,108	--	--	--	--	24	23	--	--	47
Lebanon	9,395	62	--	--	--	--	175	41	94	371
Lehigh	2,225	--	--	--	9	30	--	--	41	80
Montgomery	690	--	--	--	--	29	28	--	--	57
Northampton	724	--	--	--	--	--	--	--	--	--
York	7,227	1,037	--	--	--	924	150	431	--	2,541
Total	39,778	1,191	--	--	9	2,163	1,008	567	164	5,102
State total	769,841	61,868	245	208	4,355	34,965	16,484	2,792	445	121,362

(Table 18 continued on next page)

(Table 18 continued)

Forest Inventory Unit and county ^a	Hardwood											
	Aspen/ balsam											
	Ash	poplar	Bass- wood	Beech	White birch	Yellow birch	Other birch	Black cherry	Black walnut	Cotton- wood	Elm	
South Central												
Dauphin	313	--	42	5	--	--	613	184	47	--	3	
Franklin	983	--	495	--	--	96	463	1,035	319	--	20	
Fulton	200	23	136	19	--	--	191	122	3	--	27	
Huntingdon	883	199	463	42	--	58	1,001	957	138	--	358	
Juniata	185	15	434	122	--	1	579	174	27	--	330	
Mifflin	32	--	19	--	--	7	650	--	--	--	--	
Perry	118	--	44	23	--	--	131	22	77	--	1	
Snyder	544	26	47	45	--	--	553	113	107	--	2	
Union	406	--	234	95	39	120	809	176	12	--	16	
Total	3,665	262	1,914	351	39	281	4,989	2,783	731	--	757	
Western												
Allegheny	21	--	--	40	--	--	16	289	23	--	33	
Armstrong	234	198	76	56	--	6	165	798	11	--	41	
Beaver	6	--	--	25	--	--	8	188	5	--	34	
Butler	59	250	10	--	--	--	24	811	--	--	21	
Crawford	385	336	180	120	--	52	--	798	2	--	118	
Erie	66	--	31	60	--	13	--	184	4	--	9	
Greene	413	46	44	21	--	--	--	849	89	--	246	
Indiana	156	428	329	301	--	55	293	1,565	4	--	136	
Lawrence	20	--	23	34	--	5	2	96	26	--	23	
Mercer	280	160	70	180	--	34	--	1,795	--	3	166	
Washington	592	49	9	81	--	--	14	1,130	109	--	290	
Westmoreland	272	54	52	9	--	0	39	1,815	15	--	110	
Total	2,503	1,521	825	926	--	165	562	10,319	288	3	1,229	
North Central/Allegheny												
Cameron	735	166	270	271	3	108	1,671	1,143	--	--	--	
Centre	351	748	1,238	4	--	191	1,482	1,285	19	--	19	
Clarion	128	356	14	374	--	11	483	1,040	1	--	1	
Clearfield	503	1,224	776	750	0	98	2,117	4,279	--	2	5	
Clinton	665	110	375	12	117	86	1,430	120	24	--	31	
Elk	669	96	236	1,257	--	283	1,109	6,672	--	--	1	
Forest	68	53	33	326	--	73	262	1,158	--	--	--	
Jefferson	385	154	128	346	--	53	473	1,660	--	--	--	
Lycoming	719	90	416	454	65	235	963	1,018	6	--	--	
McKean	5,484	1,047	2,314	6,216	--	2,415	3,790	37,329	--	--	151	
Potter	1,704	469	475	1,656	0	513	1,437	4,445	--	--	28	
Sullivan	238	37	81	225	--	83	152	601	--	--	--	

Tioga	757	343	131	271	139	67	260	388	--	--	24
Venango	35	88	43	75	--	12	190	780	--	--	12
Warren	517	229	305	1,299	--	168	621	2,632	--	--	23
Total	12,959	5,208	6,835	13,539	325	4,397	16,439	64,549	50	2	295
Southwestern											
Bedford	1,055	156	323	15	--	--	930	2,348	12	172	432
Blair	387	4	154	94	--	15	624	1,001	5	--	181
Cambria	496	1,029	1,119	1,660	--	403	942	6,999	--	--	210
Fayette	191	6	287	41	--	7	164	1,714	1	--	82
Somerset	717	119	604	865	0	188	619	8,099	6	--	122
Total	2,846	1,315	2,487	2,676	0	613	3,279	20,161	24	172	1,027
Northeastern/Pocono											
Bradford	387	246	97	188	4	14	101	353	8	--	13
Carbon	--	6	--	82	--	--	67	91	--	--	--
Columbia	187	23	--	7	--	--	370	411	3	--	--
Lackawanna	170	127	7	70	--	9	26	126	--	--	1
Luzerne	98	104	133	20	29	42	458	178	--	117	4
Monroe	127	9	14	258	--	64	115	254	2	--	--
Montour	12	3	--	--	--	--	54	5	10	--	13
Northumberland	353	76	54	--	--	--	462	404	32	--	34
Pike	151	20	--	10	--	95	192	21	--	--	--
Schuylkill	761	584	297	126	2	6	1,477	124	28	--	--
Susquehanna	508	55	235	288	--	52	94	340	--	0	2
Wayne	330	56	102	350	--	159	278	342	--	--	9
Wyoming	132	42	20	87	52	21	61	42	--	16	--
Total	3,214	1,352	958	1,486	86	462	3,754	2,691	83	133	75
Southeastern											
Adams	224	--	--	70	--	--	105	205	23	--	--
Berks	308	12	2	3	--	0	78	164	106	--	2
Bucks	55	4	4	6	--	1	3	14	3	40	5
Chester	113	26	--	30	--	--	36	38	94	--	12
Cumberland	16	123	--	--	--	--	--	61	--	--	--
Delaware	909	--	--	--	--	--	--	22	37	--	--
Lancaster	282	--	--	152	--	--	262	42	27	--	25
Lebanon	793	150	--	40	--	97	648	341	36	--	18
Lehigh	278	--	--	4	--	--	83	65	181	--	--
Montgomery	218	--	--	--	--	--	--	--	75	--	2
Northampton	194	14	--	8	--	--	50	5	14	--	--
York	142	25	145	--	--	--	38	438	129	--	4
Total	3,533	355	151	313	--	98	1,304	1,395	725	40	68
State total	28,720	10,014	13,170	19,291	451	6,018	30,327	101,898	1,899	351	3,450

(Table 18 continued on next page)

(Table 18 continued)

Forest Inventory Unit and county ^a		Hardwood									
		White					Other				
	Hickory	Hard maple	Soft maple	Red oak group	White oak group	Sweet-gum	Sycamore	Tupelo/gum	Yellow-poplar	Other hardwoods	Total
South Central											
Dauphin	137	208	530	1,579	1,479	--	--	113	1,092	96	6,441
Franklin	1,136	559	718	1,691	2,862	--	--	336	1,348	994	13,055
Fulton	209	183	245	822	1,001	--	--	110	76	151	3,519
Huntingdon	812	936	1,963	3,702	4,841	215	--	267	1,103	862	18,801
Juniata	214	346	554	989	810	--	275	147	613	399	6,215
Mifflin	94	14	692	2,175	2,499	17	--	115	49	11	6,373
Perry	174	24	211	522	583	--	--	47	183	129	2,289
Snyder	95	318	621	1,008	1,150	--	42	77	227	87	5,063
Union	54	18	700	1,223	965	--	--	59	394	--	5,318
Total	2,926	2,607	6,234	13,711	16,190	231	317	1,271	5,084	2,728	67,073
Western											
Allegheny	4	32	110	104	37	--	--	1	14	81	805
Armstrong	202	258	658	482	153	271	9	30	133	203	3,986
Beaver	15	56	54	56	29	--	31	3	2	41	554
Butler	41	12	1,256	791	164	72	--	40	365	78	3,995
Crawford	106	102	1,530	91	135	8	86	4	2,608	167	6,828
Erie	78	148	358	20	23	--	5	4	52	61	1,114
Greene	249	354	708	196	307	--	6	25	904	187	4,645
Indiana	164	724	1,435	812	318	136	21	33	2,037	323	9,272
Lawrence	29	25	164	94	16	--	33	35	94	22	738
Mercer	277	289	2,611	624	95	114	--	24	2,024	281	9,025
Washington	81	337	307	104	91	--	4	--	421	135	3,754
Westmoreland	33	166	909	374	248	--	11	60	2,205	183	6,556
Total	1,282	2,502	10,100	3,747	1,616	601	206	258	10,858	1,761	51,272
North Central/Allegheny											
Cameron	77	787	3,955	2,802	2,710	--	--	45	--	148	14,889
Centre	973	907	8,093	7,245	9,364	104	--	214	194	579	33,012
Clarion	76	58	1,903	1,230	564	22	--	14	14	113	6,402
Clearfield	270	3,631	10,049	4,843	3,456	262	0	181	109	1,205	33,763
Clinton	151	446	3,666	3,666	4,715	87	--	204	154	200	16,259
Elk	93	1,258	6,887	2,137	710	434	--	153	81	530	22,609
Forest	23	107	1,969	741	424	33	--	13	15	48	5,346
Jefferson	7	439	2,942	907	577	235	--	16	59	121	8,502
Lycoming	285	873	2,922	1,898	3,109	120	--	122	173	53	13,521
McKean	868	15,967	35,652	3,121	285	1,252	--	--	380	896	117,168
Potter	0	6,193	7,315	1,480	78	14	67	--	76	104	26,056
Sullivan	33	175	806	113	68	4	--	--	60	3	2,681

Tioga	198	1,027	1,178	802	334	2	--	2	39	5	5,968
Venango	77	75	1,146	713	438	52	--	5	46	55	3,843
Warren	339	1,869	4,511	1,390	842	109	--	40	62	151	15,107
Total	3,471	33,812	92,994	33,089	27,675	2,731	68	1,009	1,465	4,212	325,124
Southwestern											
Bedford	1,349	3,410	3,602	6,973	6,471	--	22	360	2,244	3,453	33,326
Blair	200	451	1,286	1,437	931	15	--	91	196	253	7,329
Cambria	384	3,259	8,025	2,596	1,407	--	--	11	155	1,146	29,842
Fayette	30	158	2,023	818	1,113	--	98	142	1,522	365	8,763
Somerset	616	2,886	9,154	3,687	1,448	--	--	160	2,293	2,054	33,639
Total	2,579	10,164	24,091	15,512	11,371	15	121	764	6,411	7,271	112,898
Northeastern/Pocono											
Bradford	81	738	638	510	86	--	13	--	2	30	3,508
Carbon	2	2	575	378	713	--	--	40	--	30	1,985
Columbia	217	21	923	787	2,738	--	--	114	372	25	6,197
Lackawanna	33	149	439	210	197	11	--	8	65	20	1,668
Luzerne	64	175	968	859	1,110	7	--	50	5	67	4,486
Monroe	134	14	1,418	423	900	--	--	232	205	158	4,326
Montour	6	7	38	140	86	--	--	--	--	--	375
Northumberland	163	126	902	1,307	1,372	--	131	91	240	48	5,795
Pike	91	250	957	801	1,522	--	--	28	19	5	4,162
Schuylkill	205	7	2,066	2,587	6,044	--	--	453	1,200	405	16,372
Susquehanna	129	521	1,126	196	136	--	47	--	5	--	3,734
Wayne	19	663	1,117	91	146	--	--	--	31	1	3,694
Wyoming	3	170	348	101	22	--	--	--	9	7	1,134
Total	1,146	2,844	11,515	8,391	15,073	18	191	1,015	2,154	795	57,435
Southeastern											
Adams	339	2	310	773	1,186	--	--	116	175	136	3,663
Berks	134	7	301	372	318	--	3	36	689	75	2,609
Bucks	24	25	25	63	35	20	2	0	23	9	360
Chester	134	--	301	412	111	--	--	22	855	14	2,199
Cumberland	92	--	126	1,050	2,481	--	--	210	374	29	4,561
Delaware	46	--	--	--	--	--	--	--	--	--	1,013
Lancaster	135	--	293	349	751	--	--	25	596	122	3,061
Lebanon	137	7	1,140	1,811	2,203	--	--	178	978	446	9,023
Lehigh	108	46	36	681	48	--	--	--	521	95	2,145
Montgomery	80	--	20	131	8	--	--	--	52	48	633
Northampton	20	--	104	162	42	--	--	5	81	25	724
York	352	45	107	625	385	--	--	58	1,954	237	4,686
Total	1,601	132	2,762	6,427	7,569	20	5	648	6,297	1,234	34,677
State total	13,004	52,060	147,696	80,877	79,494	3,617	907	4,965	32,269	18,001	648,479

^a Includes only those counties that supplied pulpwood in 2008.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 19.—Pulpwood production from roundwood, in standard cords, unpeeled, by Forest Inventory Unit, county, and species group, West Virginia, 2008

Forest Inventory Unit and county ^a	All species	Softwood						Hardwood									
		Loblolly/ shortleaf			Red pine	White pine	Other pine	Spruce	softwoods	Total	Ash	Aspen/ balsam poplar	Bass- wood	Beech	Yellow birch	Other birch	
		Hemlock	pine	pine													
Northeastern																	
Barbour	6,970	--	--	--	--	--	--	--	--	230	103	223	18	4	82	--	--
Berkeley	5,968	--	106	144	1,846	--	--	--	2,115	408	--	335	--	--	2	358	2
Braxton	28,821	31	--	--	60	--	--	60	92	1,490	--	818	1,196	76	--	--	--
Grant	19,792	53	--	60	627	4	743	--	--	1,036	321	2,533	97	87	108	--	--
Hampshire	23,007	679	20	1,997	5,754	--	8,450	--	--	209	9	180	52	--	156	--	--
Hardy	11,058	106	13	641	808	--	1,568	--	--	200	--	367	--	--	120	--	--
Harrison	6,983	--	--	--	--	--	--	--	--	571	12	10	51	--	--	--	--
Jefferson	3,020	126	--	--	--	--	126	--	--	--	--	156	--	--	--	--	--
Lewis	4,250	--	--	--	8	--	8	--	--	372	137	4	8	--	2	--	2
Mineral	16,930	258	--	--	2,365	--	2,623	--	--	787	--	398	--	--	14	--	14
Morgan	15,507	29	2,498	750	4,105	--	7,381	--	--	174	57	--	--	--	47	--	47
Pendleton	10,115	294	--	272	262	181	1,009	--	--	221	5	641	176	185	621	--	621
Pocahontas	33,815	299	16	328	21	371	1,034	--	--	1,582	273	3,454	843	569	488	--	488
Preston	25,311	1,038	--	--	--	--	1,038	--	--	199	0	1,262	533	130	382	--	382
Randolph	49,505	--	--	--	--	--	--	--	--	725	--	1,759	2,086	1,159	1,508	--	1,508
Taylor	1,383	--	--	--	--	--	--	--	--	28	--	29	1	--	0	--	0
Tucker	18,031	1,281	--	--	--	--	1,827	--	--	214	6	921	944	1,337	588	--	588
Upshur	18,958	75	--	111	--	--	186	--	--	117	--	229	127	69	125	--	125
Webster	20,338	--	--	--	--	--	--	--	--	545	195	2,091	197	42	75	--	75
Total	319,763	4,267	2,653	4,303	15,855	1,101	28,199	9,109	1,120	15,411	6,329	3,657	4,676	--	--	--	--
Southern																	
Boone	10,505	--	--	--	--	--	--	--	--	116	--	494	320	1	74	--	74
Clay	5,832	--	--	--	20	--	20	--	--	143	--	559	2	--	--	--	--
Fayette	44,313	467	4	37	87	--	595	--	--	158	--	1,700	1,879	--	727	--	727
Greenbrier	105,385	180	39	873	242	15	1,349	2,647	--	1,473	4,159	1,440	1,509	--	1,509	--	1,509
Kanawha	9,818	--	4	41	914	--	959	166	3	777	297	--	8	--	8	--	8
Logan	1,989	--	--	--	--	--	--	69	--	304	45	--	2	--	2	--	2
McDowell	7,946	--	--	--	--	--	--	--	--	79	461	1	33	--	33	--	33
Mercer	14,503	52	40	485	19	2	597	78	--	389	708	--	156	--	156	--	156
Mingo	3,829	--	--	--	--	--	--	43	--	111	210	3	10	--	10	--	10
Monroe	11,795	--	6	475	330	--	810	182	--	197	329	--	453	--	453	--	453
Nicholas	71,558	686	1	54	21	--	761	1,170	--	4,458	2,887	655	1,635	--	1,635	--	1,635
Raleigh	26,841	27	11	194	--	--	232	344	25	798	1,163	41	257	--	257	--	257
Summers	6,679	1	2	34	7	1	45	274	--	192	205	--	34	--	34	--	34
Wyoming	33,199	--	9	105	--	--	114	51	--	441	1,991	17	118	--	118	--	118
Total	354,195	1,412	116	2,298	1,640	18	5,484	5,443	28	11,972	14,656	2,159	5,016	--	5,016	--	5,016

Northwestern

(Table 19 continued on next page)

(Table 19 continued on next page)

(Table 19 continued)

Forest Inventory Unit and county ^a	Hardwood														Total
	Black cherry	Black walnut	Elm	Hickory	Hard maple	Soft maple	Red oak group	White oak group	Sweet- gum	Sycamore	Tupelo/ gum	Yellow- poplar	Other hard- woods		
Northeastern															
Barbour	400	--	58	232	749	1,426	561	495	--	--	126	2,065	198	6,970	
Berkeley	171	59	35	309	--	112	524	859	--	--	11	755	274	3,853	
Braxton	141	18	205	2,175	1,359	2,164	3,704	4,111	--	1,029	210	8,568	1,108	28,729	
Grant	1,073	--	237	791	2,186	1,458	2,595	2,848	--	--	282	2,425	970	19,048	
Hampshire	162	--	167	1,019	90	1,105	2,801	6,796	--	127	532	924	229	14,557	
Hardy	82	--	20	442	284	731	2,328	3,834	--	60	395	357	272	9,491	
Harrison	973	--	121	145	131	795	62	94	--	675	102	3,037	204	6,983	
Jefferson	308	--	8	180	--	92	459	87	--	849	--	300	454	2,894	
Lewis	188	--	73	21	6	825	22	18	--	301	130	2,095	39	4,242	
Mineral	887	--	58	1,478	1,268	1,375	2,831	4,423	--	--	77	5	707	14,307	
Morgan	66	--	30	172	319	905	2,296	2,907	--	149	154	728	122	8,126	
Pendleton	441	--	21	371	656	828	2,202	2,125	--	28	75	--	509	9,107	
Pocahontas	4,283	10	112	425	1,209	5,344	1,517	1,230	--	--	24	10,941	479	32,781	
Preston	3,627	--	155	577	1,363	4,266	3,046	897	--	57	148	6,790	841	24,274	
Randolph	8,535	--	21	762	3,102	11,230	1,901	2,227	--	--	136	12,919	1,434	49,505	
Taylor	85	--	2	12	9	412	20	17	--	58	23	655	31	1,383	
Tucker	2,425	--	225	201	775	2,453	732	621	--	95	41	4,197	430	16,204	
Upshur	1,412	--	61	203	308	5,797	540	525	--	63	394	8,515	285	18,772	
Webster	2,585	12	98	46	139	3,266	131	125	--	41	239	9,764	745	20,338	
Total	27,843	99	1,709	9,561	13,954	44,585	28,274	34,238	--	3,533	3,099	75,039	9,330	291,565	
Southern															
Boone	92	41	82	--	43	1,757	--	--	--	731	161	6,207	385	10,505	
Clay	141	--	58	--	--	1,665	--	--	1	2	105	2,868	269	5,812	
Fayette	461	97	36	2,091	1,587	5,354	4,820	5,919	--	211	539	16,339	1,799	43,717	
Greenbrier	6,575	180	137	5,134	3,259	11,258	16,421	20,007	--	135	496	22,882	6,325	104,036	
Kanawha	180	43	87	--	39	1,408	32	146	--	67	81	5,178	347	8,859	
Logan	35	6	18	--	6	222	--	--	--	9	40	1,119	114	1,989	
McDowell	153	66	--	--	46	1,380	--	--	--	13	7	5,672	34	7,946	
Mercer	350	90	3	219	194	2,158	482	429	--	--	47	8,364	239	13,906	
Mingo	65	27	3	--	16	589	--	--	--	9	13	2,629	101	3,829	
Monroe	128	9	207	782	438	591	2,120	3,283	--	--	42	1,464	759	10,985	
Nicholas	1,724	125	29	1,818	3,033	11,533	3,986	6,342	39	340	807	28,193	2,024	70,796	
Raleigh	539	128	0	390	624	4,199	1,194	998	--	--	99	14,709	1,101	26,609	
Summers	118	27	60	237	329	705	1,013	954	--	--	80	1,973	434	6,634	
Wyoming	705	249	13	91	150	5,519	228	256	--	28	142	22,531	556	33,085	
Total	11,264	1,087	734	10,763	9,763	48,339	30,296	38,335	40	1,544	2,657	140,129	14,485	348,711	

Northwestern														
Brooke	141	4	51	3	70	24	36	34	--	17	--	16	55	472
Cabell	8	0	31	139	0	47	60	617	--	7	5	78	81	1,163
Calhoun	2	--	26	--	--	106	--	--	--	9	6	194	8	389
Doddridge	214	--	29	372	243	1,909	408	518	--	24	127	3,060	298	8,059
Gilmer	38	--	118	--	--	496	--	--	--	124	37	1,264	129	2,559
Hancock	35	1	2	12	2	12	1	4	--	--	--	--	--	67
Jackson	35	--	134	116	0	219	181	241	--	18	53	506	125	1,694
Lincoln	2	--	0	--	--	17	--	--	--	2	1	36	2	69
Marion	368	--	106	138	215	1,205	364	315	--	412	29	2,474	165	7,129
Marshall	158	--	190	--	--	124	--	--	--	40	--	732	32	1,479
Mason	36	51	220	460	240	133	834	1,430	--	42	16	1,599	300	5,790
Monongalia	1,522	5	239	74	298	1,307	500	303	--	0	82	3,603	388	8,995
Ohio	227	--	357	--	--	19	--	--	--	43	--	795	97	1,607
Pleasants	6	--	20	2	10	12	11	7	--	15	1	76	176	385
Putnam	--	0	235	53	0	190	491	417	--	69	39	976	257	3,243
Ritchie	150	--	80	204	--	916	148	274	--	97	121	1,890	208	4,482
Roane	13	--	24	--	0	194	--	--	--	42	9	539	35	1,069
Tyler	49	--	14	9	--	156	7	1	--	--	13	327	18	688
Wayne	15	--	10	--	--	63	--	--	1	24	17	204	17	396
Wetzel	347	--	582	468	805	1,293	556	516	--	311	99	3,492	791	10,872
Wirt	18	--	63	--	--	140	1,339	166	--	9	4	301	124	2,316
Wood	183	85	354	406	658	1,911	1,392	4,027	--	102	365	1,696	4,224	16,453
Total	3,568	147	2,887	2,456	2,543	10,491	6,330	8,869	1	1,408	1,023	23,858	7,530	79,375
State total	42,674	1,333	5,330	22,780	26,259	103,415	64,900	81,442	41	6,484	6,779	239,026	31,346	719,650

^a Includes only those counties that supplied pulpwood in 2008.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 20.—Average production of active wood-pulp and composite product mills by company, location, and type of product produced, Mid-Atlantic States, 2008

Product and company	Location	Product produced	Average production
Pulp mills			
Luke Paper Co., NewPage Corp.	Luke, MD	Kraft pulp (sulfate)	1,200 tons pulp/day
Finch, Pruyn & Company, Inc.	Glens Falls, NY	Sulfite pulp	123 tons pulp/day
International Paper	Ticonderoga, NY	Kraft pulp (sulfate)	590 tons pulp/day
Glatfelter	Chillicothe, OH	Kraft pulp (sulfate)	1,785 tons pulp/day
Smurfit-Stone	Coshocton, OH	Semichemical pulp	470 tons pulp/day
Appleton Papers, Inc.	Roaring Spring, PA	Kraft pulp (sulfate)	200 tons pulp/day
Domtar, Inc.	Johnsontown, PA	Kraft pulp (sulfate)	231 tons pulp/day
Glatfelter	Spring Grove, PA	Kraft pulp (sulfate)	700 tons pulp/day
Composite product mills			
Norbord Industries, Inc.	Deposit, NY	Medium density fiberboard	80 million ft ² , 3/4-inch basis per year
Inca Presswood Pallets, Ltd.	Dover, OH	Molded compression board	na
Clarion Boards, Inc.	Shippensburg, PA	Medium density fiberboard	126 million ft ² , 3/4-inch basis per year
Craftmaster	Towanda, PA	Hardboard	na
Knight-Celotex, LLC	Sunbury, PA	Medium density fiberboard	na
Temple-Inland	Kane, PA	Medium density fiberboard	130 million ft ² , 3/4-inch basis per year
Werzalit of America, Inc.	Bradford, PA	Particleboard	na
Georgia-Pacific Corp.	Mount Hope, WV	Oriented strand board	375 million ft ² , 3/4-inch basis per year
Jeld-Wen Wood Fiber	Craigsville, WV	Medium density fiberboard	20 million ft ² , 3/4-inch basis per year
Weyerhaeuser Co.	Heaters, WV	Oriented strand board	300 million ft ² , 3/4-inch basis per year

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Table 21.—Pulpwood production and imports, in standard cords, unpeeled, New England States, 2008

Product form, species group, and destination	Production by state ^a										Imports		
	Connecticut	Maine	New			Rhode Island	Vermont	Regional total	Mid-Atlantic States	Canada	Total imports	Total receipts	
			Massachusetts	Hampshire									
Softwood roundwood													
Balsam fir													
Mid-Atlantic States	--	--	34	5,951	--	--	7,452	13,437	--	--	--	--	
New England States	--	175,153	2	7,027	--	--	4,062	186,244	7	12,599	12,606	198,850	
Canada	--	5,624	--	--	--	--	--	5,624	--	--	--	--	
Total	--	180,777	37	12,978	--	--	11,513	205,305	7	12,599	12,606	198,850	
Hemlock													
Mid-Atlantic States	--	--	2,502	21,383	--	--	13,150	37,035	--	--	--	--	
New England States	51	362,411	3,962	65,344	--	--	18,016	449,784	--	3,552	3,552	453,336	
Total	51	362,411	6,464	86,727	--	--	31,165	486,819	--	3,552	3,552	453,336	
Jack pine													
New England States	17	19	--	--	--	--	--	36	17	--	17	53	
Total	17	19	--	--	--	--	--	36	17	--	17	53	
Red pine													
Mid-Atlantic States	--	--	--	0	--	--	--	0	--	--	--	--	
New England States	20	16,460	15	1,963	--	--	153	18,611	113	1,713	1,826	20,437	
Total	20	16,460	15	1,964	--	--	153	18,611	113	1,713	1,826	20,437	
White pine													
Mid-Atlantic States	74	--	2,899	123	--	--	11,250	14,346	--	--	--	--	
New England States	111	202,315	10,032	83,468	485	--	38,185	334,597	771	2,936	3,708	338,305	
Total	185	202,315	12,931	83,592	485	--	49,435	348,943	771	2,936	3,708	338,305	
Other pine													
Mid-Atlantic States	71	--	4	--	--	--	786	861	--	--	--	--	
New England States	22	1,180	2,600	583	68	--	606	5,059	111	20	131	5,190	
Total	93	1,180	2,604	583	68	--	1,392	5,920	111	20	131	5,190	
Spruce													
Mid-Atlantic States	275	--	1,359	--	--	--	1,350	2,984	--	--	--	--	
New England States	--	439,046	291	34,191	--	--	31,813	505,341	7	31,426	31,433	536,774	
Canada	--	13,122	--	--	--	--	--	13,122	--	--	--	--	
Total	275	452,168	1,650	34,191	--	--	33,163	521,447	7	31,426	31,433	536,774	
Tamarack													
New England States	--	3,619	9	61	--	--	37	3,726	--	1,369	1,369	5,095	
Total	--	3,619	9	61	--	--	37	3,726	--	1,369	1,369	5,095	
Total softwood roundwood													
Mid-Atlantic States	420	--	6,798	27,458	--	--	33,988	68,663	--	--	--	--	
New England States	222	1,200,203	16,911	192,637	553	--	92,871	1,503,398	1,026	53,616	54,642	1,558,040	
Canada	--	18,746	--	--	--	--	--	18,746	--	--	--	--	
Total	641	1,218,949	23,709	220,095	553	--	126,859	1,590,807	1,026	53,616	54,642	1,558,040	
Softwood residues													
Mid-Atlantic States	--	--	69	--	--	--	6,736	6,805	--	--	--	--	
New England States	--	239,393	450	56,870	--	--	11,655	308,368	--	165,666	165,666	474,034	

Southern States	191	--	--	--	--	--	--	191	--	--	--	--	--
Canada	--	147,995	--	--	--	--	--	147,995	--	--	--	--	--
Total	191	387,387	520	56,870	--	18,391	463,359	165,666	165,666	165,666	474,034		
Total softwood material													
Mid-Atlantic States	420	--	6,867	27,458	--	40,723	75,468	--	--	--	--	--	--
New England States	222	1,439,596	17,362	249,507	553	104,527	1,811,766	1,026	219,282	220,308	2,032,075		
Southern States	191	--	--	--	--	--	191	--	--	--	--	--	--
Canada	--	166,741	--	--	--	--	166,741	--	--	--	--	--	--
Total	832	1,606,336	24,229	276,965	553	145,250	2,054,166	1,026	219,282	220,308	2,032,075		

(Table 21 continued on next page)

(Table 21 continued)

Product form, species group, and destination	Production by state ^a										Imports		
	Connecticut					Regional total					Mid-Atlantic States		
	Maine					Vermont					Canada		
Hardwood roundwood													
Ash													
Mid-Atlantic States	8	--	349	288	--	1,643	2,289	--	--	--	--	--	--
New England States	0	48,776	487	8,909	--	2,566	60,739	1	7,128	7,129	7,129	67,868	--
Canada	--	4,685	--	1,274	--	364	6,323	--	--	--	--	--	--
Total	9	53,461	837	10,472	--	4,573	69,351	1	7,128	7,129	7,129	67,868	--
Aspen/balsam poplar													
Mid-Atlantic States	3	--	140	158	--	735	1,037	--	--	--	--	--	--
New England States	1	379,781	1,656	27,536	--	22,924	431,898	185	150,132	150,317	150,317	582,215	--
Canada	--	2,176	--	--	--	225	2,400	--	--	--	--	--	--
Total	3	381,956	1,796	27,694	--	23,884	435,335	185	150,132	150,317	150,317	582,215	--
Basswood													
New England States	--	3,124	22	529	--	248	3,923	--	266	266	266	4,188	--
Canada	--	334	--	46	--	23	402	--	--	--	--	--	--
Total	--	3,458	22	574	--	271	4,325	--	266	266	266	4,188	--
Beech													
Mid-Atlantic States	16	--	954	20	--	1,889	2,879	--	--	--	--	--	--
New England States	1	176,365	733	20,714	--	10,197	208,010	3	22,698	22,701	22,701	230,711	--
Canada	--	12,135	--	2,431	--	274	14,839	--	--	--	--	--	--
Total	17	188,500	1,686	23,164	--	12,360	225,728	3	22,698	22,701	22,701	230,711	--
White birch													
Mid-Atlantic States	4	--	328	767	--	4,879	5,978	--	--	--	--	--	--
New England States	--	168,604	320	45,499	--	8,604	223,027	1	63,228	63,229	63,229	286,256	--
Canada	--	12,052	--	3,058	--	335	15,445	--	--	--	--	--	--
Total	4	180,656	648	49,324	--	13,819	244,451	1	63,228	63,229	63,229	286,256	--
Yellow birch													
Mid-Atlantic States	6	--	403	147	--	1,862	2,417	--	--	--	--	--	--
New England States	0	212,996	280	16,310	--	8,321	237,906	--	31,992	31,992	31,992	269,899	--
Canada	--	22,325	--	2,884	--	463	25,671	--	--	--	--	--	--
Total	6	235,320	683	19,340	--	10,645	265,995	--	31,992	31,992	31,992	269,899	--
Other birch													
New England States	1	6,505	334	1,531	--	417	8,788	2	1,873	1,875	1,875	10,662	--
Canada	--	297	--	71	--	23	390	--	--	--	--	--	--
Total	1	6,802	334	1,602	--	440	9,178	2	1,873	1,875	1,875	10,662	--
Black cherry													
Mid-Atlantic States	4	--	227	89	--	1,375	1,695	--	--	--	--	--	--
New England States	--	3,813	168	1,750	--	3,348	9,079	--	362	362	362	9,441	--
Canada	--	167	--	81	--	124	372	--	--	--	--	--	--
Total	4	3,980	395	1,920	--	4,846	11,145	--	362	362	362	9,441	--
Elm													
New England States	--	1,721	46	697	--	779	3,244	--	123	123	123	3,367	--
Canada	--	66	--	6	--	20	92	--	--	--	--	--	--
Total	--	1,787	46	703	--	800	3,335	--	123	123	123	3,367	--

Hard maple													
Mid-Atlantic States	12	--	--	812	78	--	3,592	4,494	--	--	--	--	--
New England States	1	370,567	204	32,858	32,858	--	13,461	417,091	8	60,112	60,120	477,211	--
Canada	--	41,093	--	4,321	4,321	--	1,532	46,946	--	--	--	--	--
Total	13	411,660	1,016	37,257	37,257	--	18,585	468,531	8	60,112	60,120	477,211	--
Soft maple													
Mid-Atlantic States	15	--	--	907	452	--	4,793	6,167	--	--	--	--	--
New England States	3	494,472	2,757	31,836	31,836	--	8,660	537,728	3	88,784	88,787	626,515	--
Canada	--	48,073	--	5,336	5,336	--	1,039	54,448	--	--	--	--	--
Total	18	542,545	3,664	37,624	37,624	--	14,492	598,343	3	88,784	88,787	626,515	--
Red oak													
Mid-Atlantic States	7	--	215	173	173	--	478	872	--	--	--	--	--
New England States	0	30,294	406	7,077	7,077	--	1,306	39,084	1	4,246	4,247	43,331	--
Canada	--	3,085	--	1,947	1,947	--	56	5,088	--	--	--	--	--
Total	7	33,379	621	9,197	9,197	--	1,841	45,044	1	4,246	4,247	43,331	--
White oak													
Mid-Atlantic States	2	--	107	2	2	--	213	324	--	--	--	--	--
New England States	--	566	50	290	290	--	92	997	--	125	125	1,122	--
Canada	--	27	--	73	73	--	--	101	--	--	--	--	--
Total	2	593	157	365	365	--	305	1,422	--	125	125	1,122	--
Other hardwoods													
New England States	--	108	0	4	4	--	294	407	--	13	13	420	--
Canada	--	3	--	3	3	--	--	6	--	--	--	--	--
Total	--	112	0	7	7	--	294	413	--	13	13	420	--

(Table 21 continued on next page)

(Table 21 continued)

Product form, species group, and destination	Production by state ^a							Imports			
	Connecticut	Maine	Massachusetts	New Hampshire	Rhode Island	Vermont	Regional total	Mid-Atlantic States	Canada	Total imports	Total receipts
Total hardwood roundwood											
Mid-Atlantic States	77	--	4,442	2,174	--	21,460	28,153	--	--	--	--
New England States	9	1,897,692	7,463	195,539	--	81,218	2,181,921	204	431,081	431,286	2,613,206
Canada	--	146,516	--	21,530	--	4,476	172,523	--	--	--	--
Total	85	2,044,208	11,905	219,244	--	107,154	2,382,597	204	431,081	431,286	2,613,206
Hardwood residues											
Mid-Atlantic States	--	--	2,969	--	--	4,763	7,732	--	--	--	--
New England States	--	36,679	--	--	--	--	36,679	--	9,629	9,629	46,308
Canada	--	11,885	--	5,160	--	3,607	20,652	--	--	--	--
Total	--	48,563	2,969	5,160	--	8,370	65,063	--	9,629	9,629	46,308
Total hardwood material											
Mid-Atlantic States	77	--	7,411	2,174	--	26,223	35,884	--	--	--	--
New England States	9	1,934,371	7,463	195,539	--	81,218	2,218,599	204	440,711	440,915	2,659,515
Canada	--	158,401	--	26,691	--	8,084	193,176	--	--	--	--
Total	85	2,092,772	14,874	224,404	--	115,524	2,447,659	204	440,711	440,915	2,659,515
Total all roundwood											
Mid-Atlantic States	496	--	11,240	29,632	--	55,448	96,816	--	--	--	--
New England States	231	3,097,895	24,374	388,176	553	174,089	3,685,319	1,231	484,697	485,928	4,171,247
Canada	--	165,262	--	21,530	--	4,476	191,269	--	--	--	--
Total	727	3,263,157	35,614	439,339	553	234,013	3,973,404	1,231	484,697	485,928	4,171,247
Total all residues											
Mid-Atlantic States	--	--	3,039	--	--	11,498	14,537	--	--	--	--
New England States	--	276,071	450	56,870	--	11,655	345,047	--	175,296	175,296	520,342
Southern States	191	--	--	--	--	--	191	--	--	--	--
Canada	--	159,879	--	5,160	--	3,607	168,647	--	--	--	--
Total	191	435,951	3,489	62,030	--	26,761	528,421	--	175,296	175,296	520,342
Total all wood material											
Mid-Atlantic States	496	--	14,278	29,632	--	66,946	111,352	--	--	--	--
New England States	231	3,373,966	24,825	445,046	553	185,745	4,030,366	1,231	659,993	661,224	4,691,589
Southern States	191	--	--	--	--	--	191	--	--	--	--
Canada	--	325,142	--	26,691	--	8,084	359,916	--	--	--	--
Total	918	3,699,108	39,103	501,369	553	260,774	4,501,825	1,231	659,993	661,224	4,691,589

^a Vertical columns of figures under the box heading "Production by state" present the amount of roundwood cut or residue generated in each state.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled.

Columns and rows may not add to their totals due to rounding.

Table 22.—Pulpwood production from roundwood, in thousand standard cords, unpeeled, by state and species group, New England States, 2005-2008

State	All species				Pine				Spruce/balsam fir			
	2005	2006	2007	2008	2005	2006	2007	2008	2005	2006	2007	2008
Connecticut	4	2	3	1	2	1	--	0	0	0	0	0
Maine	3,099	2,929	3,178	3,263	203	189	202	220	571	577	573	633
Massachusetts	47	33	41	36	22	17	17	16	0	0	0	2
New Hampshire	544	382	320	439	105	76	47	86	70	56	48	47
Rhode Island	0	0	--	1	0	0	--	1	--	--	--	--
Vermont	258	175	204	234	57	26	58	51	35	37	34	45
Total New England States	3,952	3,521	3,746	3,973	390	309	324	374	675	669	655	727

State	Other softwoods				Aspen/balsam poplar				Beech			
	2005	2006	2007	2008	2005	2006	2007	2008	2005	2006	2007	2008
Connecticut	1	1	0	0	0	0	0	0	0	0	1	0
Maine	305	272	344	366	453	414	467	382	169	175	150	188
Massachusetts	7	8	4	6	3	1	1	2	1	1	3	2
New Hampshire	32	65	32	87	66	19	26	28	16	16	17	23
Rhode Island	--	--	--	--	0	--	--	--	0	0	--	--
Vermont	27	31	29	31	37	10	18	24	5	6	10	12
Total New England States	373	377	409	491	560	445	512	435	191	198	180	226

State	Birch				Maple				Other hardwoods			
	2005	2006	2007	2008	2005	2006	2007	2008	2005	2006	2007	2008
Connecticut	0	0	0	0	0	0	1	0	0	0	1	0
Maine	394	356	395	423	874	810	911	954	129	135	136	97
Massachusetts	3	1	3	2	10	3	7	5	1	1	5	2
New Hampshire	64	39	33	70	179	93	83	75	12	18	34	23
Rhode Island	0	0	--	--	0	0	--	--	0	0	--	--
Vermont	23	15	12	25	68	42	33	33	6	8	11	13
Total New England States	485	412	444	520	1,131	948	1,036	1,067	148	162	186	135

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1,000 standard cords, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 23.—Pulpwood production, in standard cords, unpeeled, by mill type, product form, state of origin, and species group, New England States, 2008

Product form and species group	State of origin for pulp mills							State of origin for composite product mills
	All states	Connecticut	Maine	Massachusetts	Hampshire	Rhode Island	Vermont	Maine
Softwood roundwood								
Balsam fir	205,305	--	180,777	37	12,978	--	11,513	--
Hemlock	486,819	51	362,411	6,464	86,727	--	31,165	--
Jack pine	36	17	19	--	--	--	--	--
Red pine	14,885	20	12,734	15	1,964	--	153	3,726
White pine	348,943	185	202,315	12,931	83,592	485	49,435	--
Other pine	5,920	93	1,180	2,604	583	68	1,392	--
Spruce	521,367	275	452,088	1,650	34,191	--	33,163	80
Tamarack	384	--	277	9	61	--	37	3,342
Total softwood roundwood	1,583,659	641	1,211,801	23,709	220,095	553	126,859	7,148
Hardwood roundwood								
Ash	69,351	9	53,461	837	10,472	--	4,573	--
Aspen/balsam poplar	357,821	3	304,443	1,796	27,694	--	23,884	77,514
Basswood	4,325	--	3,458	22	574	--	271	--
Beech	224,994	17	187,766	1,686	23,164	--	12,360	733
White birch	239,235	4	175,440	648	49,324	--	13,819	5,216
Yellow birch	264,614	6	233,939	683	19,340	--	10,645	1,381
Other birch	9,178	1	6,802	334	1,602	--	440	--
Black cherry	11,145	4	3,980	395	1,920	--	4,846	--
Elm	3,335	--	1,787	46	703	--	800	--
Hard maple	465,848	13	408,977	1,016	37,257	--	18,585	2,683
Soft maple	592,079	18	536,281	3,664	37,624	--	14,492	6,264
Red oak group	45,044	7	33,379	621	9,197	--	1,841	--
White oak group	1,422	2	593	157	365	--	305	--
Other hardwoods	413	--	112	0	7	--	294	--
Total hardwood roundwood	2,288,805	85	1,950,417	11,905	219,244	--	107,154	93,792
Total roundwood	3,872,464	727	3,162,218	35,614	439,339	553	234,013	100,940
Residues								
Softwood	463,359	191	387,387	520	56,870	--	18,391	--
Hardwood	65,063	--	48,563	2,969	5,160	--	8,370	--
Total residues	528,421	191	435,951	3,489	62,030	--	26,761	--
State total	4,400,885	918	3,598,169	39,103	501,369	553	260,774	100,940

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 24.—Pulpwood production, in standard cords, unpeeled, by mill type, product form, species group, and percent change, New England States, 2007 and 2008

Product form and species group	Pulp mills			Composite product mills		
	2007	2008	Change	2007	2008	Change
Softwood roundwood						
Cedar/juniper	439	--	--	--	--	--
Balsam fir	223,455	205,305	-8%	5,950	--	--
Hemlock	407,703	486,819	19%	1,281	--	--
Jack pine	1	36	2467%	--	--	--
Red pine	309,688	348,943	13%	--	--	--
White pine	2,740	5,920	116%	--	--	--
Other pine	11,116	14,885	34%	703	3,726	430%
Spruce	414,875	521,367	26%	10,684	80	-99%
Tamarack	1,081	384	-65%	625	3,342	435%
Total softwood roundwood	1,371,097	1,583,659	16%	19,243	7,148	-63%
Hardwood roundwood						
Ash	86,182	69,351	-20%	--	--	--
Aspen/balsam poplar	355,733	357,821	1%	156,251	77,514	-50%
Basswood	5,075	4,325	-15%	--	--	--
Beech	178,978	224,994	26%	565	733	30%
White birch	165,192	239,235	45%	1,066	5,216	390%
Yellow birch	222,358	264,614	19%	1,504	1,381	-8%
Other birch	53,893	9,178	-83%	9	--	--
Black cherry	7,782	11,145	43%	--	--	--
Elm	2,452	3,335	36%	--	--	--
Hard maple	434,631	465,848	7%	3,084	2,683	-13%
Soft maple	584,065	592,079	1%	14,260	6,264	-56%
Red oak group	79,769	45,044	-44%	--	--	--
White oak group	2,780	1,422	-49%	--	--	--
Other hardwoods	57	413	620%	--	--	--
Total hardwood roundwood	2,178,946	2,288,805	5%	176,740	93,792	-47%
Total roundwood	3,550,043	3,872,464	9%	195,983	100,940	-48%
Residues						
Softwood	644,308	463,359	-28%	--	--	--
Hardwood	54,225	65,063	20%	--	--	--
Total residues	698,533	528,421	-24%	--	--	--
State total	4,248,576	4,400,885	4%	195,983	100,940	-48%

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 25.—Pulpwood production from roundwood, in standard cords, unpeeled, by state, county, and species group, Connecticut, Massachusetts, and Rhode Island, 2008

State and county ^a	Softwoods											Hardwoods		
	All species	Balsam fir	Hemlock	Jack pine	Red pine	White pine	Other pine	Spruce	Tama- rack	Total softwoods	Ash	Aspen/ balsam poplar		
CONNECTICUT														
Fairfield	79	--	10	17	17	18	17	--	--	79	--	--	--	
Hartford	275	--	42	--	2	96	75	47	--	262	4	2	2	
Litchfield	252	--	--	--	--	72	0	171	--	244	0	1	1	
Windham	120	--	--	--	--	--	--	56	--	56	4	4	1	
Connecticut total	727	--	51	17	20	185	93	275	--	641	9	3	3	
MASSACHUSETTS														
Barnstable	7,641	--	1,009	--	--	135	2,506	--	--	3,651	209	502		
Berkshire	4,815	37	1,558	--	--	777	--	262	9	2,642	197	89		
Bristol	98	--	--	--	--	65	2	--	--	67	2	3		
Essex	1,691	--	126	--	--	1,351	--	--	--	1,477	5	73		
Franklin	7,604	--	1,946	--	--	3,923	8	15	--	5,892	170	121		
Hampden	4,947	--	591	--	--	680	1	1,359	--	2,631	103	689		
Hampshire	1,539	--	588	--	--	483	--	6	--	1,077	60	12		
Middlesex	2,036	--	--	--	--	1,635	15	--	--	1,651	75	64		
Norfolk	849	--	--	--	15	711	53	--	--	779	3	--		
Plymouth	230	--	30	--	--	171	18	--	--	219	--	--		
Worcester	4,163	--	616	--	--	2,999	--	9	--	3,624	13	243		
Massachusetts total	35,614	37	6,464	--	15	12,931	2,604	1,650	9	23,709	837	1,796		
RHODE ISLAND														
Kent	65	--	--	--	--	57	8	--	--	65	--	--		
Providence	223	--	--	--	--	217	7	--	--	223	--	--		
Washington	265	--	--	--	--	211	53	--	--	265	--	--		
Rhode Island total	553	--	--	--	--	485	68	--	--	553	--	--		

(Table 25 continued on next page)

(Table 25 continued)

Table 10-Continued

State and county ^a	Hardwoods														
	Bass-wood	Beech	White birch	Yellow birch	Other birch	Black cherry	Elm	Hard maple		Soft maple	Red oak group	White oak group		Other hard-woods	Total hardwoods
CONNECTICUT															
Fairfield	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hartford	--	--	--	--	--	1	--	--	--	2	4	--	--	--	13
Litchfield	--	1	--	0	1	--	--	1	--	3	0	--	--	--	9
Windham	--	16	4	6	--	2	--	12	13	13	3	2	--	--	64
Connecticut total	--	17	4	6	1	4	--	13	18	7	2	2	--	--	85
MASSACHUSETTS															
Barnstable	17	498	194	180	186	16	13	2	2,007	166	0	--	--	--	3,991
Berkshire	2	438	190	184	7	189	3	343	391	99	43	--	--	--	2,174
Bristol	--	4	--	2	2	--	--	--	16	1	--	--	--	--	31
Essex	--	17	8	6	1	2	0	12	76	10	3	0	--	--	214
Franklin	3	252	95	113	67	64	6	253	479	73	16	--	--	--	1,712
Hampden	1	341	100	134	34	76	2	305	390	97	43	--	--	--	2,316
Hampshire	--	92	30	35	1	19	8	72	102	21	11	--	--	--	462
Middlesex	--	41	9	12	18	4	0	22	82	44	13	--	--	--	385
Norfolk	--	--	--	--	--	8	--	--	5	38	16	--	--	--	70
Plymouth	--	2	--	0	1	--	--	0	6	1	--	--	--	--	11
Worcester	--	1	21	18	17	16	13	7	108	71	11	--	--	--	540
Massachusetts total	22	1,686	648	683	334	395	46	1,016	3,664	621	157	0	--	--	11,905
RHODE ISLAND															
Kent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Providence	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rhode Island total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

^a Includes only those counties that supplied pulpwood in 2008.

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 26.—Pulpwood production from roundwood, in standard cords, unpeeled, by state, Forest Inventory Unit, county, and species group, Maine, New Hampshire, and Vermont, 2008

State, Forest Inventory Unit, and county ^a	All species	Softwoods										Hardwoods	
		Balsam fir	Hemlock	Jack pine	Red pine	White pine	Other pine	Spruce	Tama- rack	Total softwoods	Ash	Aspen/ balsam poplar	
		MAINE											
Washington													
Washington	142,683	12,727	22,206	--	1,366	8,670	--	31,457	48	76,474	537	7,996	
Total	142,683	12,727	22,206	--	1,366	8,670	--	31,457	48	76,474	537	7,996	
Aroostook													
Aroostook	665,538	36,524	13,301	--	5,528	2,475	--	72,027	3,459	133,313	3,289	133,988	
Total	665,538	36,524	13,301	--	5,528	2,475	--	72,027	3,459	133,313	3,289	133,988	
Penobscot													
Penobscot	615,804	12,179	127,709	19	2,143	19,342	7	41,868	39	203,305	5,798	53,369	
Total	615,804	12,179	127,709	19	2,143	19,342	7	41,868	39	203,305	5,798	53,369	
Hancock													
Hancock	143,641	4,796	11,600	--	1,458	9,001	--	28,364	9	55,228	1,001	13,805	
Total	143,641	4,796	11,600	--	1,458	9,001	--	28,364	9	55,228	1,001	13,805	
Piscataquis													
Piscataquis	318,991	19,151	19,380	--	272	12,710	--	77,865	21	129,399	4,507	27,656	
Total	318,991	19,151	19,380	--	272	12,710	--	77,865	21	129,399	4,507	27,656	
Capital Region													
Kennebec	42,760	2,866	9,706	--	82	10,355	--	1,548	2	24,558	1,273	7,169	
Knox	17,075	1,662	1,804	--	11	2,185	9	6,557	0	12,229	187	904	
Lincoln	24,875	1,386	5,539	--	75	9,054	--	2,411	2	18,468	119	2,626	
Waldo	42,908	4,299	6,679	--	--	6,716	--	7,171	12	24,876	927	5,868	
Total	127,618	10,214	23,728	--	168	28,309	9	17,687	16	80,132	2,505	16,567	
Somerset													
Somerset	541,291	41,423	28,611	--	3,455	25,862	--	101,078	21	200,449	17,985	58,725	
Total	541,291	41,423	28,611	--	3,455	25,862	--	101,078	21	200,449	17,985	58,725	
Casco Bay													
Androscoggin	36,132	533	10,159	--	20	10,201	--	1,663	--	22,575	718	4,815	
Cumberland	71,165	961	20,741	--	232	23,982	344	1,654	0	47,914	1,295	4,362	
Sagadahoc	13,489	277	3,683	--	--	3,634	270	2,772	--	10,636	103	1,295	
York	63,388	433	19,155	--	900	23,120	451	427	1	44,486	888	3,633	
Total	184,175	2,204	53,738	--	1,151	60,937	1,064	6,515	1	125,611	3,005	14,105	
Western Maine													
Franklin	202,974	27,673	12,196	--	3	4,759	--	45,266	5	89,902	5,005	24,795	
Oxford	320,442	13,886	49,944	--	915	30,250	99	30,043	--	125,136	9,829	30,951	
Total	523,415	41,559	62,140	--	917	35,009	99	75,309	5	215,038	14,833	55,746	
Maine total	3,263,157	180,777	362,411	19	16,460	202,315	1,180	452,168	3,619	1,218,949	53,461	381,956	

Northern												
Carroll	68,122	3,452	25,417	--	312	9,837	325	4,867	3	44,212	1,771	1,706
Coos	166,077	5,330	8,246	--	--	1,860	--	16,844	36	32,317	4,016	14,204
Grafton	85,715	1,355	21,599	--	474	23,023	29	6,474	--	52,955	1,725	5,932
Total	319,914	10,137	55,262	--	786	34,720	354	28,185	40	129,483	7,512	21,842
Southern												
Belknap	7,041	1	1,124	--	8	2,864	--	1,217	--	5,213	19	308
Cheshire	18,086	496	2,163	--	2	7,321	--	1,746	3	11,730	776	2,082
Hillsborough	11,868	32	1,436	--	1,074	6,227	149	292	--	9,210	528	111
Merrimack	53,413	1,996	23,309	--	16	17,286	74	1,729	--	44,409	805	1,909
Rockingham	11,091	--	1,447	--	74	7,624	6	--	9	9,160	108	110
Strafford	6,734	--	867	--	5	2,867	--	--	9	3,747	100	887
Sullivan	11,193	316	1,120	--	--	4,684	--	1,022	--	7,142	623	445
Total	119,425	2,841	31,465	--	1,178	48,872	229	6,006	21	90,612	2,960	5,852
New Hampshire total	439,339	12,978	86,727	--	1,964	83,592	583	34,191	61	220,095	10,472	27,694

Northern												
Caledonia	23,147	628	3,743	--	--	3,125	86	3,613	7	11,203	494	3,569
Essex	34,928	1,032	270	--	--	78	--	3,519	--	4,898	506	5,581
Franklin	10,855	1,093	1,672	--	--	2,435	--	1,967	26	7,194	131	1,307
Grand Isle	159	--	--	--	--	123	--	--	--	123	14	--
Lamoille	7,318	205	1,369	--	--	--	1,299	1,662	--	4,535	66	757
Orange	19,403	770	4,397	--	47	7,321	--	1,398	--	13,933	224	1,480
Orleans	10,881	1,427	1,130	--	--	155	--	2,931	4	5,647	273	1,416
Washington	17,791	123	1,494	--	--	5,210	7	5,178	--	12,013	195	2,721
Total	124,481	5,278	14,076	--	47	18,447	1,392	20,268	37	59,545	1,903	16,832

Addison	7,264	97	723	--	--	1,347	--	583	--	2,750	345	766
Bennington	9,698	588	578	--	--	759	--	1,659	--	3,585	233	92
Chittenden	5,272	--	483	--	--	1,075	--	95	--	1,652	172	2,108
Rutland	25,105	670	4,114	--	--	6,952	--	3,027	--	14,765	1,138	2,039
Windham	28,715	4,742	5,200	--	105	10,368	--	2,000	--	22,415	301	127
Windsor	33,478	137	5,991	--	--	10,487	--	5,531	--	22,148	481	1,920
Total	109,532	6,236	17,089	--	105	30,988	--	12,896	--	67,314	2,669	7,053
Vermont total	234,013	11,513	31,165	--	153	49,435	1,392	33,163	37	126,859	4,573	23,884

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(Table 26 continued)

State, Forest Inventory Unit, and county ^a	Hardwoods												
	Bass- wood	Beech	White birch	Yellow birch	Other birch	Black cherry	Elm	Hard maple	Soft maple	Red oak group	White oak group	Other hard- woods	Total hardwoods
MAINE													
Washington													
Washington	--	2,421	6,692	4,566	629	55	--	14,817	28,321	175	--	--	66,209
Total	--	2,421	6,692	4,566	629	55	--	14,817	28,321	175	--	--	66,209
Aroostook													
Aroostook	3	41,230	34,972	63,344	335	96	82	136,570	118,284	32	--	--	532,225
Total	3	41,230	34,972	63,344	335	96	82	136,570	118,284	32	--	--	532,225
Penobscot													
Penobscot	129	50,810	42,871	49,537	2,961	536	171	70,637	133,382	2,092	128	78	412,499
Total	129	50,810	42,871	49,537	2,961	536	171	70,637	133,382	2,092	128	78	412,499
Hancock													
Hancock	7	8,437	12,917	10,553	490	12	14	11,402	28,532	1,242	--	--	88,413
Total	7	8,437	12,917	10,553	490	12	14	11,402	28,532	1,242	--	--	88,413
Piscataquis													
Piscataquis	410	22,043	16,354	28,003	95	286	87	45,794	43,382	976	--	--	189,592
Total	410	22,043	16,354	28,003	95	286	87	45,794	43,382	976	--	--	189,592
Capital Region													
Kennebec	125	1,193	955	471	79	68	29	697	3,874	2,256	3	10	18,202
Knox	--	205	650	257	--	97	6	100	1,535	907	--	--	4,846
Lincoln	2	251	414	93	17	76	2	51	1,765	955	36	--	6,407
Waldo	104	902	1,400	520	6	665	52	902	5,300	1,338	47	--	18,032
Total	231	2,552	3,419	1,341	102	905	90	1,749	12,474	5,456	86	10	47,487
Somerset													
Somerset	1,334	25,083	35,515	44,274	1,008	987	427	75,612	77,310	2,558	--	24	340,842
Total	1,334	25,083	35,515	44,274	1,008	987	427	75,612	77,310	2,558	--	24	340,842
Casco Bay													
Androscoggin	115	971	961	169	22	54	54	454	4,074	1,149	1	--	13,557
Cumberland	94	2,301	1,616	530	341	94	179	306	9,413	2,608	112	--	23,251
Sagadahoc	1	46	72	61	3	34	1	44	744	434	16	--	2,854
York	39	1,208	631	395	617	55	43	332	7,912	2,968	182	--	18,902
Total	248	4,525	3,279	1,154	983	236	277	1,137	22,144	7,159	311	--	58,564
Western Maine													
Franklin	556	8,994	12,717	12,093	73	261	185	20,081	25,240	3,073	--	--	113,072
Oxford	541	22,405	11,920	20,454	125	606	454	33,862	53,475	10,616	68	--	195,306
Total	1,097	31,398	24,638	32,547	198	866	639	53,942	78,715	13,690	68	--	308,377
Maine total	3,458	188,500	180,656	235,320	6,802	3,980	1,787	411,660	542,545	33,379	593	112	2,044,208

Northern													
Carroll	51	3,781	2,464	1,948	127	45	33	2,992	6,155	2,770	67	--	23,910
Coos	299	14,288	35,470	13,853	390	874	357	28,912	18,033	3,065	--	--	133,761
Grafton	85	3,069	6,685	2,510	23	323	62	4,197	6,871	1,265	6	7	32,760
Total	435	21,138	44,618	18,311	540	1,241	452	36,101	31,059	7,101	73	7	190,431
Southern													
Belknap	2	100	616	129	18	1	6	122	379	129	--	--	1,828
Cheshire	9	497	494	76	273	164	7	280	1,396	300	2	--	6,356
Hillsborough	3	80	385	108	57	115	70	18	826	270	87	--	2,658
Merrimack	12	276	1,815	392	122	228	21	242	2,132	976	73	--	9,003
Rockingham	3	213	90	35	322	8	140	54	521	220	107	--	1,931
Strafford	25	695	81	124	67	5	4	119	708	148	23	--	2,987
Sullivan	86	167	1,224	166	203	157	3	321	603	54	--	--	4,051
Total	139	2,026	4,706	1,029	1,062	679	250	1,156	6,565	2,096	292	--	28,813
New Hampshire total	574	23,164	49,324	19,340	1,602	1,920	703	37,257	37,624	9,197	365	7	219,244

Northern														
Caledonia	35	1,173	687	902	5	69	32	2,694	1,932	352	1	--	11,944	
Essex	32	4,379	3,364	5,603	8	2,180	198	4,482	3,251	292	--	154	30,029	
Franklin	2	258	185	301	17	56	215	640	465	52	21	11	3,661	
Grand Isle	2	--	--	--	--	--	5	--	6	--	9	--	36	
Lamoille	1	275	192	268	17	139	22	556	460	21	8	--	2,783	
Orange	14	613	435	322	--	68	67	1,733	371	143	2	--	5,470	
Orleans	12	441	485	546	24	141	39	1,243	493	102	13	6	5,234	
Washington	10	404	673	194	113	92	30	662	575	68	3	37	5,778	
Total	107	7,543	6,021	8,135	183	2,745	608	12,010	7,554	1,030	57	208	64,936	
Southern														
Addison	98	693	331	297	72	204	113	825	574	166	31	--	4,514	
Bennington	--	712	1,042	634	15	105	9	1,145	2,019	65	41	--	6,114	
Chittenden	42	152	258	74	18	74	28	436	209	41	7	--	3,620	
Rutland	4	663	1,834	903	12	945	27	1,176	1,226	183	112	81	10,341	
Windham	1	291	2,520	120	89	320	1	618	1,780	115	19	--	6,301	
Windsor	18	2,307	1,813	482	50	453	14	2,376	1,131	241	38	5	11,330	
Total	163	4,817	7,798	2,510	256	2,101	192	6,576	6,939	810	248	86	42,218	
Vermont total	271	12,360	13,819	10,645	440	4,846	800	18,585	14,492	1,841	305	294	107,154	

All table cells without observations are indicated by --. Table value of 0 indicates the volume rounds to less than 1 standard cord, unpeeled. Columns and rows may not add to their totals due to rounding.

Table 27.—Average production of active wood-pulp and composite product mills by company, location, and type of product produced, New England States, 2008

Product and company	Location	Product produced	Average production
Pulp mills			
Domtar Industries	Baileysville, Maine	Kraft pulp (sulfate)	1,450 tons pulp/day
Katahdin Paper Company, LLC	East Millinocket, Maine	Groundwood/mechanical pulp	100 tons pulp/day
Knight Celotex Corporation	Farmington, Maine	Groundwood/mechanical pulp	100 tons pulp/day
Lincoln Paper and Tissue, LLC	Lincoln, Maine	Kraft pulp (sulfate)	450 tons pulp/day
Madison Paper Industries	Madison, Maine	Kraft pulp (sulfate)	300 tons pulp/day
Red Shield Old Town Mill	Old Town, Maine	Kraft pulp (sulfate)	172 tons pulp/day
Rumford Paper Company	Rumford, Maine	Kraft pulp (sulfate)	860 tons pulp/day
Sappi Fine Paper Company	Skowhegan, Maine	Kraft pulp (sulfate)	1,500 tons pulp/day
Verso Paper	Androscoggin, Maine	Kraft/groundwood pulp	1,570 tons pulp/day
Verso Paper	Bucksport, Maine	Groundwood/mechanical pulp	650 tons pulp/day
Composite product mills			
Huber Engineered Woods, LLC	Easton, Maine	Oriented strand board	135 million ft ² , 3/4-inch basis per year
Louisiana-Pacific Corp.	Houlton, Maine	Oriented strand board	250 million ft ² , 3/4-inch basis per year

Table 28.—Other mills using Northern Region pulpwood in 2008 by company, location, and type of product produced

Company	Location	Product produced
Pulp mills		
Clearwater Paper Corp.	Warren, Arkansas	Kraft pulp (sulfate)
Evergreen Packaging, Inc.	Pine Bluff, Arkansas	Kraft pulp (sulfate)
Georgia-Pacific Corp.-Crossett	Crossett, Arkansas	Kraft pulp (sulfate)
Domtar, Inc.	Hawesville, Kentucky	Kraft pulp (sulfate)
NewPage Corp.	Wickliffe, Kentucky	Kraft pulp (sulfate)
Boise Packaging & Newsprint	DeRidder, Louisiana	Kraft pulp (sulfate)
International Paper Co.	Mansfield, Louisiana	Kraft pulp (sulfate)
Georgia-Pacific Gypsum, LLC	Pryor, Oklahoma	Groundwood/mechanical pulp
Domtar Paper Co., LLC	Kingsport, Tennessee	Kraft pulp (sulfate)
International Paper Co.	Texarkana, Texas	Kraft pulp (sulfate)
International Paper Co.	Franklin, Virginia	Kraft pulp (sulfate)
MeadWestvaco Co.	Covington, Virginia	Kraft pulp (sulfate)
Smurfit-Stone Container Corp.	West Point, Virginia	Kraft pulp (sulfate)
AV Cell, Inc.	Atholville, New Brunswick	Sulfite
AV Nackowic, Inc.	Nackawic, New Brunswick	Kraft pulp (sulfate)
Fraser Paper	Edmundston, New Brunswick	Chemical/mechanical
Abitibi-Bowater	Thunder Bay, Ontario	Kraft pulp (sulfate)
Abitibi-Consolidated Co.	Fort Frances, Ontario	Kraft/groundwood
St. Marys Paper, Ltd.	Sault Ste. Marie, Ontario	Groundwood/mechanical pulp
Domtar, Inc.	Windsor, Quebec	Kraft pulp (sulfate)
FPS Canada, Inc.	Thurso, Quebec	Kraft pulp (sulfate)
Kruger, Inc.	Trois-Rivières, Quebec	Thermomechanical
Composite product mills		
Ainsworth Engineered (Can) LP	Barwick, Ontario	Oriented strand board
ATC Pembroke, Inc.	Pembroke, Ontario	Medium density fiberboard
Flakeboard Company Limited	Sault Ste. Marie, Ontario	Medium density fiberboard

Piva, Ronald J. 2015. **Pulpwood production in the Northern Region, 2008.**
Resour. Bull. NRS-94. Newtown Square, PA: U.S. Department of Agriculture,
Forest Service, Northern Research Station. 95 p.

Discusses 2008 production and receipts of pulpwood in the Northern Region. Breaks down production from four subregions—Central States, Lake States, Mid-Atlantic States, and New England States—by species group for each state and compares production with that of previous years. Includes production for 2008 for the Plains States by species group and product form.

KEY WORDS: Central States, composite products, Lake States, Mid-Atlantic States, New England States, Plains States, pulp products, pulpwood, residue, roundwood

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