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U.S. Timber Production, Trade, Consumption and Price Statistics 1965–2011

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Abstract

This report presents annual data but is published every 2 years. The data present current and historical information on the production, trade, consumption, and prices of timber products in the United States. The report focuses on national statistics, but includes some data for individual states and regions and for Canada. The data were collected from industry trade associations and government agencies. They are intended for use by forest land managers, forest industries, trade associations, forestry schools, renewable resource organizations, individuals in the major timber producing and consuming countries of the world, and the general public. A major use of the data is tracking industry production and consumption trends over time. One of the major shifts that occurred in the wood-using industry over the past 5 years is that both production and consumption of roundwood per capita decreased. The consumption of products per capita has also undergone a gradual decrease over the past 5 years. Because of increased paper recycling and increased processing efficiency, the consumption per capita in roundwood equivalent has decreased since about 1987 from 83 ft3 to 72 ft³ per capita. But over the most recent time period, the decline in production per capita is due to the U.S. economic weakness that severely impacted wood markets. In the 1960s and 1970s, consumption averaged 65 ft³ per capita before increasing and peaking in 1986 to 83 ft³ per capita. Since 2005, consumption per capita has continued to steadily decrease and reached 41 ft³ in 2009 remaining unchanged in 2010. Per capita consumption in 2011 increased to 47 ft³ the first increase since 2005. Since 2005, paper consumption fell from 41 thousand tons to 34 thousand tons in

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2011. Since 2005, newsprint declined from 5.4 million tons to 3.3 million tons and printing and writing paper fell from 24.5 million tons to 19.3 million tons. Another shift occurring over the past several years is increased emphasis on wood energy use, which has shown wide fluctuations over the last decade and into 2011.

Keywords: production, consumption, import, export

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This update required assistance from a very dedicated individual. Zoe Abrams, an Economic Assistant in the Economics, Statistics, and Life Cycle Analysis Work Unit (FPL), created and updated computer files that will aid in future updates of this report. Zoe helped with literature searches to located much of the needed data and performed many of the statistical procedures such as changing base years and converting to required units. Zoe also assisted in overall report appearance by developing and updating figures and tables.

U.S. Timber Production, Trade, Consumption and Price Statistics 1965–2011

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Preface

This report includes data for 1965–2011. Data for the years prior to 1965 can be found in earlier reports in the series. Since the last publication of this series in 2007 (data compiled through 2005), many agencies have discontinued the collection of various data. This change is indicated on the tables, where applicable. Some data were derived from mathematical calculations and some show conversions from different units of measurement. Throughout the tables and

Factors for converting between metric and in-lb units of measure^a

Unit	Conversion factor	Metric or in-lb unit
square foot	0.0929	square meter
cubic foot (log trade)	0.028317	cubic meter
short ton (chips)	0.0185	1,000 cubic feet
board foot (hardwood lumber)	0.00236	cubic meter
board foot (softwood lumber)	0.00170	cubic meter
board foot (lumber export and imports)	0.00236	cubic meter
board foot (logs)	0.00453	cubic meter
1,000 square feet (1/8-in. panels)	0.295	cubic meter
1,000 square feet (1/4-in. panels)	0.59	cubic meter
1,000 square feet (3/8-in. panels)	0.885	cubic meter
1,000 square feet (3/8-in. panels)	2.036	square foot (surface measure)
1,000 square feet (1/2-in. panels)	1.18	cubic meter
1,000 square feet (3/4-in. panels)	1.77	cubic meter
cubic meter ^b	0.0023	million square feet
square meter	10.7639	(surface measure) square foot (surface measure)
cord	2.27	cubic meter
cord	2.65	green ton
ton	0.0003	1,000 cords
ton (short ton)	0.907	metric ton
pound	0.453592	kilogram
inch	25.4	millimeter

^aU.S. Department of Agriculture, Forest Service (20, 49).

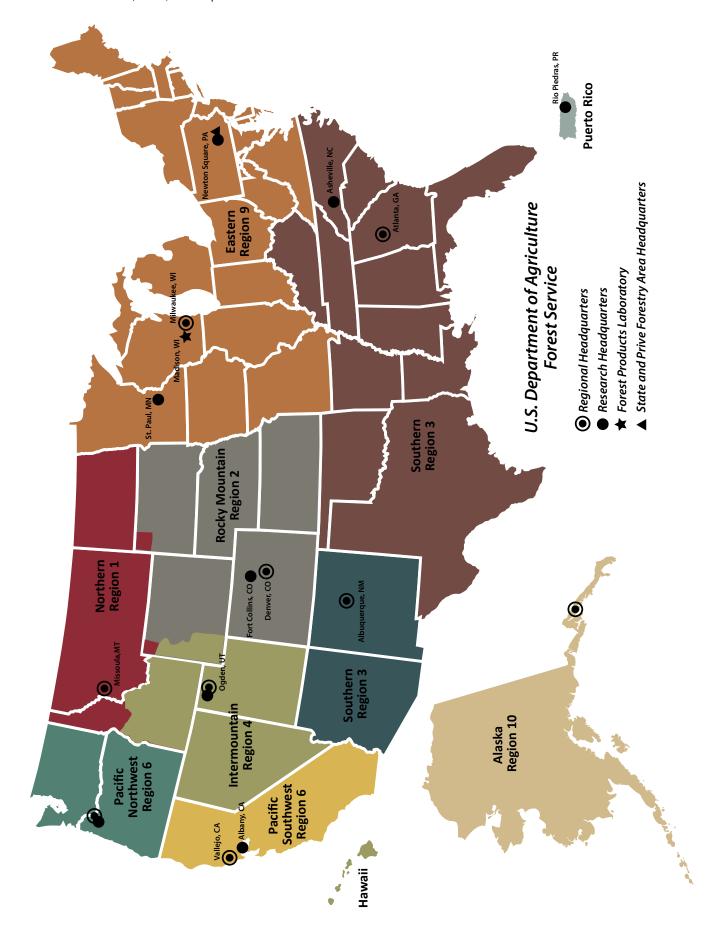
text, billion denotes 109. The references cited in the text and in the tables are listed separately. Text references are listed in literature cited. The sources for data in the tables are listed in an annotated bibliography, which is cross-referenced to the tables. This report is available through the Forest Products Laboratory web site (www.fpl.fs.fed.us). Tables of conversion factors and a map of Forest Service Administrative regions follow.

Factors for converting standard units to short tons

		Weight of wood per standard unit
Product	Standard unit	(short tons)
Roundwood products		
Softwood	1,000 cubic feet	17.5 air dried
Hardwood	1,000 cubic feet	20.0 air dried
Softwood	cord (80 cubic feet)	1.4
Hardwood	cord (80 cubic feet)	1.6
Lumber		
Softwood	1,000 board feet	0.974
Hardwood	1,000 board feet	1.680
Laminated veneer lumber	1,000 cubic foot	17.5
Structural panels		
Softwood plywood	1,000 square feet, 3/8-in. basis	0.544
Waferboard and OSB ^a	1,000 square feet, 3/8-in. basis	0.866
Medium-density fiberboard	1,000 square feet, 3/4-in. basis	1.406
Nonstructural panels		
Hardboard	1,000 square feet, 1/8-in. basis	0.380
Insulation board	1,000 square feet, 1/2-in. basis	0.367
Particleboard	1,000 square feet, 3/4-in. basis	0.578
Hardwood plywood	1,000 square feet, 3/8-in. basis	0.657
Hardwood plywood	1,000 square feet, surface measure	0.2
Pulp, paper, and board	1,000 tons	1,000
Other industrial products	1,000 tons	16.5

^aOriented strandboard.

^bBased on square feet 3/8-in. panels.



Highlights

Economic activity in most of the major timber products markets including paper and paperboard remained volatile in 2011 as some product markets grew such as softwood lumber production while other production markets showed little change from the previous year. Paper and paperboard production decreased by 1.8% in 2011 from 2010. New housing construction, which accounts for more than a third of the U.S. softwood lumber and structural panels consumed and for substantial volumes of other softwood and hardwood products, remained below the peak housing production years in 2011. The consumption of oriented strandboard (OSB) during 2011 continued to exceed plywood consumption and continues strong into 2012 although OSB production decreased 1.7% in 2011 when compared to 2010. The total industrial production index, an important demand determinant for pallet lumber, containerboard, and some grades of paper, increased 3.7% in 2011 (Table 1). Private nonresidential construction expenditures increased in 2011 when compared to 2010 and residential fixed investment decreased during 2011. Wood energy use in the United States continued to be volatile, declining during 2011 (Table 60).

The U.S. housing market remained weak during 2011 as sales of both new and previously occupied homes reached all time record lows. Starts of conventionally built homes (excluding mobile homes) decreased by 3.5% from a year earlier to just 565 thousand units during 2011. Home sales new and existing in 2011 totaled 4.6 million units; this number consisted of 4.3 million units that were previously occupied and just 300 thousand that were new units. A record high for home sales was established during 2005 when 8.3 million units were sold. Of the 8.3 million units sold, 7.1 million units were previously occupied homes and 1.3 million were new units. In terms of market share within region in 2011, new homes sold were strongest in the South, with 168,000 units sold. This represented 55% of all new sales in the United States for 2011. The production index for final products and nonindustrial supplies advanced solidly in 2010 and 2011. The production of durable consumer goods, which includes furniture and fixtures, had moderate gains in 2010 and a noticeable increase in 2011. The index for consumer nondurables, which includes paper products, edged up in 2010 and 2011. Housing trends in 2011, along with comparably weak economic growth, caused the lumber industry to remain below peak production levels but exceeded production levels of 1 year earlier. Softwood lumber production in the United States remained below the record levels by 17.0%.

U.S. consumption of wood and paper products required input to make products produced in the United States (for domestic consumption) plus roundwood required to make imported products. This consumption of roundwood to meet the needs of U.S. consumers (including fuelwood) increased 1.0% per year between 1965 and 1995, from

13.3 to 19.1 billion ft³. This consumption declined to 15.0 billion ft³ in 2005 and has since decreased to just 12.9 billion ft³ in 2011, slightly above the 1965 level of consumption. U.S. production of wood and paper products plus fuelwood use required roundwood harvest from U.S. forests, which also increased 1.0% per year from 1965 to 1995, from 12.3 to 17.4 billion ft³. In contrast to roundwood needed for U.S. product consumption, U.S. roundwood harvest needed for U.S. production has declined since 1995 from 17.4 to 12.5 billion ft³ in 2011, slightly above the level of harvest in 1965. The 12.5 billion ft³ continued the reversal of the trend of four straight years of production decreases (Table 5a).

Along with record low demand from the housing sector, which drove low demand in the lumber industry during 2011, U.S. National Forest sawlog stumpage prices increased in current dollars for Douglas-fir and Southern Pine in 2011, continuing the volatile price cycle over recent years. Southern Pine recovered modestly in the late 1990s, but Douglas-fir continued downward (Table 20). Increasing Canadian lumber imports contributed to the slump in softwood prices, and Western mill closures reflected the slump in prices.

During 2011, apparent consumption of most timber products increased over levels from 1 year ago. Western production of softwood lumber from the California redwood region increased 0.4%, Western softwood lumber production increased by 4.3%. Although domestic markets for hardwood lumber have been declining in recent years, production remained level in 2011. The combined roundwood and forest chip production for pulp and OSB mills decreased by 2.0% in 2011. Softwood plywood production reversed its trend after increasing in 2010 by declining 1.7% in 2011. The consumption of OSB continued to exceed plywood consumption during 2011 and has remained above plywood consumption since 2006. Shipments of particleboard were flat in 2011 when compared to 2010 while medium density fiberboard (MDF) shipments increased slightly in 2011 over 2010 shipments.

Continued growth in U.S. furniture imports from China, Vietnam, Indonesia, and Malaysia presents an increasing problem for American furniture manufacturers and the companies that supply them with nonstructural panels such as particleboard and MDF as well as hardwood lumber. Not only has total lumber consumed by the U.S. furniture industry decreased, but the species mix has changed as well. Less red oak lumber and parts are being used, and alternative species such as hard maple are being used too.

The near-term outlook is one of continued weakness in the demand for most timber products. Timber volumes supplied by the national forest have fallen sharply in recent years. In 2011, valued at about \$101 million, National forest harvest totaled 2.1 billion board feet (bf), making up less than 1.0% of total U.S. timber harvest, down more than 83% from the peak in 1988.

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U.S. Timber Production, Trade, Consumption and Price Statistics 1965–2011

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General Economic Trends

The U.S. economy continued to recover in 2011 from the deep recession that began at the end of 2007. The real value of goods and services produced in the economy, as measured by gross domestic product (GDP) adjusted for changes in prices (real GDP), has now grown in each of the past 10 quarters. Employment continued to expand in 2011, and the private sector created more than 3 million new jobs in 2010 and 2011. Economic activity, as measured by the GDP, rose at an annual rate of 1.6% in 2011 to \$13,313.4 billion (2005 dollars). This was up from \$13, 088.0 billion (2005 dollars) during 2010. U.S. economic activity as measured by the GDP would in all likelihood be stronger if it not for the lingering effects of the financial crisis. The reduction in household wealth during the financial crisis and the deep recession that followed appears to have restrained the growth of consumption during the recovery. Investment in new residential construction also remains much weaker than in typical recoveries, a reflection of the soft demand since the recession as well as the vast overbuilding of houses during the years leading up to the crisis. Real GDP led the broadbased economic growth in 2011, increasing 1.6% after having increased 3.1% in 2010. One of the leading contributors to economic growth in 2011 was the household sector. In the household or home ownership sector, credit conditions continued to improve, purchases of durable goods rose at a robust pace. Households continued to work down debt in 2011. Growth in consumption remained restrained in part from slow growth in nominal income. In the business sector, investment in equipment and software posted solid gains in 2011 and global demand for U.S. goods and services was strong. The growth in U.S. exports supported job gains in 2011 as well as the continued expansion of manufacturing output. Conditions in residential real estate markets continued to stabilize in 2011, with a modest increase toward the end of the year while demand for new housing stayed weak. Most of the weakness in the new housing market can be tied directly to the financial crisis and the problems that precipitated the crisis.

New housing construction, which accounts for more than a third of the U.S. annual consumption of softwood lumber and structural panels and for substantial volumes of other softwood and hardwood products, reached record lows during 2009 and has remained weak into 2011 (Tables 1

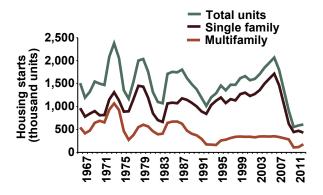


Figure 1. Housing starts by type of unit.

and 2, Fig. 1). Starts of single-family units accounted for the largest portion of the decrease but multifamily housing starts also decreased during 2009. Single-family housing starts declined drastically by 74.1% while multifamily housing starts decreased by 69.0%. Housing starts for 2009 were 554,000 as sales of new houses set a new record low in 2009 of 374,000 units. Housing starts increased in 2011 but remain well below the historical high in 2005. The new home ownership rate reached 69% in 2005 equaling the all time high but has since fallen to 66.0 in 2011. Builders' expectations for housing starts in 2011 remained weak and were realized even though mortgage rates remain at historically low levels. Historically, repair and remodeling were an important determinant and driver of wood product demand. But in 2011, both remain well below the historical high set in 2005 for housing starts and 2006 for residential improvements. In 2011, starts were up slightly compared to the same period a year earlier in 2010. Sales of new single-family homes remained below historical levels in 2011. Sales of new single-family homes averaged just 303,000 units in 2011. Existing home sales were up slightly in 2011 reaching 3,786,000, up 2.1% from 2010. This shows that in 2011 the housing industry is still sluggish even as the state of the U.S. economy continues to improve.

Shipments of manufactured housing increased slightly during 2011 to 51,000 units, 1,000 units above the 2010 shipments level.

The value of private construction put in place fell to \$506.0 billion (current dollars) in 2011, declining about

\$2.9 billion from 1 year ago. Residential value was \$237 billion composed of \$116 billion in residential improvements. Gross private domestic investment increased in 2011 for nonresidential housing units but declined for residential housing units. Spending on new single and multifamily residential structures was \$121 billion (current dollars) in 2011 compared to \$269 billion for nonresidential structures.

Industrial production, an important demand determinant for pallet lumber, containerboard, and some grades of paper, increased 4.2% in 2011, compared to 2010 (Table 1, Fig. 2). Output of the furniture and fixtures industry, a major market for hardwood lumber, plywood, veneer, particleboard, and hardboard, as measured by durable goods production, fell 4.0% in 2011. Further decreases are likely because of continued growth in China furniture imports. The industrial production index for paper and products decreased while the manufacturing sector index increased slightly.

Timber Production, Prices, Trade, and Consumption

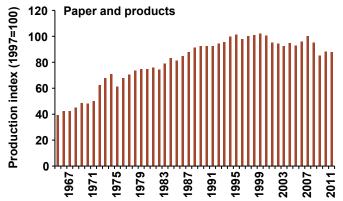
Total roundwood production increased to 12.5 billion ft³ in 2011, up from the 12.1 billion ft³ of production of a year earlier (Fig. 3). This marks the second straight year of increased production after four straight years of decreased roundwood production since 2005 when roundwood production reached a peak of 16.3 billion ft³. Roundwood has generally been on the decline since the mid-1990s. The high point for roundwood harvest was 1991 when total roundwood production was 18.7 billion ft³.

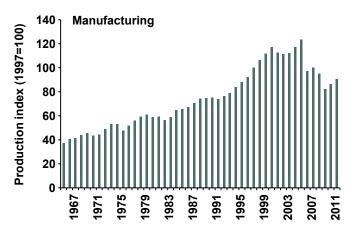
Lumber and the engineered wood products sectors are still significant contributors to the current volume level, despite overall declines in both sectors. The production of sawlogs used in the domestic manufacture of lumber increased in 2011 to 5.1 billion ft³ after five consecutive years of falling production. The 4.9 billion ft³ was down 35% from the peak year of 2005 when 7.7 billion ft³ of sawlogs were produced. This represents about 40% of total industrial roundwood production in 2011. Softwood lumber production represent about 48% of softwood roundwood harvest, and hardwood lumber made up 26% of hardwood roundwood harvest in 2011. Pulpwood, which comprises about 35% of total industrial roundwood use, increased slightly from a year earlier. Although roundwood pulpwood production has consistently fallen since the late 1990s, the pulpwood share of industrial roundwood production increased close to 1 billion ft3 between 1991 and 1998. During that time, roundwood used to produce lumber increased slightly. Since 2005, the pulpwood share of total roundwood harvest has increased by 4%.

Lumber Production, Prices, Trade, and Consumption

Production—An estimated 33.0 billion bf $(33.0 \times 10^9 \text{ bf})$ of lumber (softwoods plus hardwoods) was produced in the







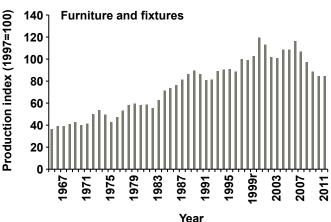


Figure 2. Economic activity in major industrial timber markets.

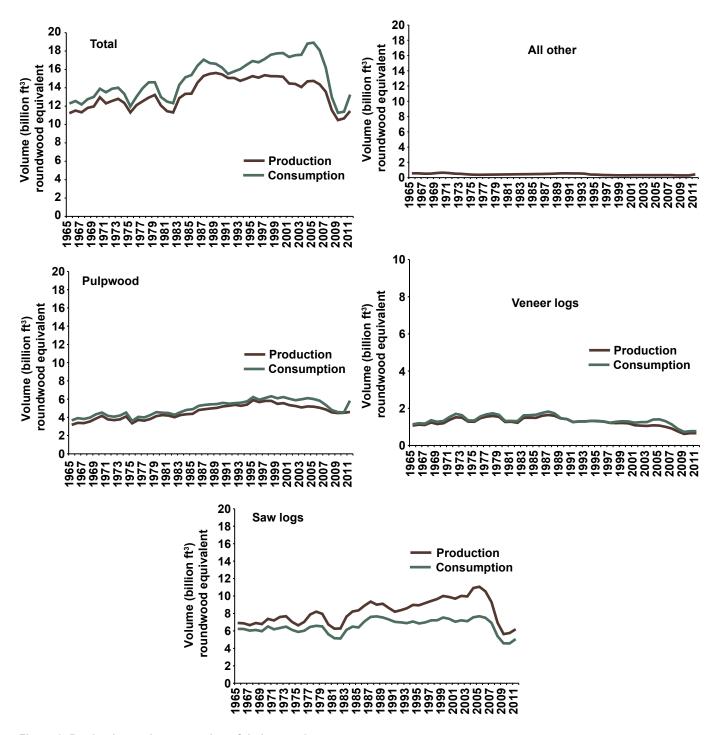


Figure 3. Production and consumption of timber products.

United States in 2011 (Table 28). Since 1965, lumber production has generally trended upwards, except for periods of economic slowdown such as the mid-1970s, early 1980s, and most currently 2006–2011. Many western mills dependent on Federal timber were forced to dramatically reduce production or close entirely. This resulted in an overall decline in lumber production, shifts in production to other regions, and increased levels of foreign imports. These trends have continued through 2011.

Softwood lumber production in 2011 was about 26.8×10^9 bf (Table 28, Fig. 4), 79% of total lumber production. Hardwood lumber production was about 6.9×10^9 bf. The overall decline in lumber production in the 1990s was almost entirely at the expense of softwood lumber. However, the most recent decline in lumber production, resulting from the deepest economic downturn since the great depression, was seen in both softwood and hardwood lumber. Softwood lumber production from 2000

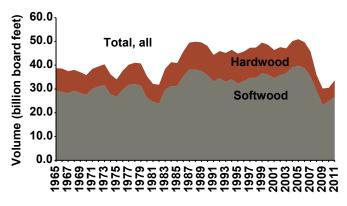


Figure 4. U.S. lumber production by wood type, 1965-2011.

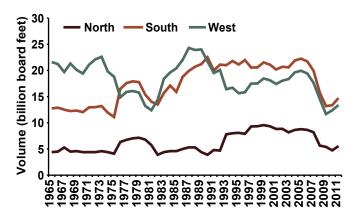


Figure 5. U.S. lumber production by production by region, 1965–2011.

to 2005 generally trended toward record production levels, peaking at 50.9×10^9 bf in 2005 before declining quite severely since 2006 to production levels not seen since the 1950s. Hardwood lumber production has generally trended downward from the high production levels of the late 1990s before bottoming out in 2009.

In 2011, the South was the largest lumber-producing region in the United States at 14.5×10^9 bf (Table 29, Fig. 5). The West was the second largest region at 13.4×10^9 bf, followed by the North at 3.4×10^9 bf. The West, although the second largest overall producing region, has traditionally been the largest softwood-lumber-producing region, with nearly 99% (13.1×10^9 bf) of its total production being softwood species. Softwood lumber production in the South was about 83% of its total production, lower than the total softwood volume of the West. The North produced 1.6×10^9 bf softwood lumber in 2011.

Until the 1990s, the West had been the largest lumber-producing region in the United States. From 1966 until 1980, for example, more than half (55%) of all lumber produced in the United States came from the West. Much of this production came from old-growth timber on federally owned lands in the Pacific Coast region (Washington,

Oregon, and California). Since the early 1980s, the proportion of lumber coming from the West has slowly decreased to just under half, because of declining levels of timber from public lands and increasing levels of production in the South. In the late 1980s and early 1990s, large areas of federally owned land in the West were removed from harvest. This removal further reduced Western harvest. In 1990, the South became the Nation's largest lumber-producing region, accounting for 35% of all softwood lumber and 80% of all hardwoods. During the late 1990s, softwood lumber production in the South and West increased. Between 2000 and 2011, softwood lumber production continued to increase in the South and declined in the West. The West therefore ceased being the leading softwood lumber-producing region. Even with the overall decline in lumber production in all regions, the South still maintains its position as the leading softwood lumber-producing region.

Total lumber production in the North remained fairly steady from 1965 through the early 1990s at about 4.5×10^9 bf per year (Table 29, Fig. 5). It then increased rapidly to 9.3×10^9 bf. Nearly all of this increase was in hardwood lumber production. However, hardwood lumber production started to decline in 2000, brought on by the decline in the U.S. furniture manufacturing industry, which resulted from increased Chinese and other Asian imports. Also during this time, the shift in fashion trends away from red oak continued. Over the past several years, the decline in hardwood lumber production was exacerbated by the weakened state of the U.S. economy and the downturn in the forest products sector

Imports and exports—In 2011, lumber imports to the United States from all countries total 9.6×10^9 bf, other than in 2009 a low that hasn't been reached since 1982 (Tables 28 and 31). During the same year, exports from the United States to all countries totaled just 1.9×10^9 bf (Tables 28) and 32). The difference, 7.7×10^9 bf, was net foreign trade, and represented lumber consumption in the United States in excess of that which was produced domestically. Net foreign trade represented less than one-fourth (22%) of total domestic lumber consumption in 2011. Except for periods of low overall U.S. demand, including the most recent economic downtown, lumber imports to the United States have grown steadily since 1965. Nearly all of the growth was in softwood lumber imports. In 1965, softwood lumber imports total 4.9×10^9 bf. By 2005, softwood lumber imports were 24.6×10^9 bf, an increase of 19.7×10^9 bf. In contrast, hardwood lumber imports were 0.3×10^9 bf in 1965 and $1.1 \times$ 109 bf in 2005. However, one major exception to this trend is the recent weakening of economic conditions in the United States, which caused a dramatic reversal in the lumber imports trend since 2008. Softwood lumber imports dropped almost 50% from 24.7×10^9 bf in 2005 to 9.3×10^9 bf, while hardwood lumber imports dropped from 1.1×10^9 bf in 2005 to 0.3×10^9 bf in 2011.

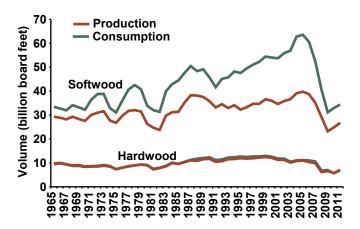


Figure 6. Lumber production and consumption by wood type, 1965-2011.

Canada has always been the principal source of lumber imported into the United States (Table 31). In 2011, 93% of all lumber imports were from Canada. Canada is the principal source of both softwood lumber and hardwood lumber imports to the United States. In 2011, nearly 95% of all softwood lumber and 28% of all hardwood lumber imported to the United States were from Canada. The percentage of softwood lumber from non-Canadian sources has generally been increasing in recent years (since 2005). Hardwood imports from Canada as a percentage of total hardwood imports fell fairly steadily from 1950 through the 1970s and again since 2006. Overall, the United States imported nearly 40% of Canadian lumber production in 2011.

Lumber exports grew fairly steadily from 1965 through 1990, reaching a record high of nearly 4.5×10^9 bf in 1988 (Tables 28 and 32). Since 1988, lumber exports have fallen to 1.9×10^9 bf in 2011. Numerous factors contributed to the decline in lumber exports in recent years. Some of these were reduced softwood sawtimber supplies, particularly from the Pacific Coast, changing economic conditions in the major importing countries, strength of the U.S. dollar in relation to other world currencies, increased levels of exports from other major timber-producing countries, and the recent economic weakening in the United States. During the mid-1980s and early 1990s, Japan was by far the largest single market for U.S. exported lumber. In 1989, Japan purchased 1.6×10^9 bf of lumber (Table 32). Since then, exports to Japan have fallen to just one-tenth of their previous level. Canada is currently the largest single market for exported lumber, followed closely by the European Union (EU). They accounted for 27% and 11%, respectively, of all exports.

More than half (62%) of total exports in 1996 were softwood species, 1.8×10^9 bf (Table 32). In the late 1960s and early 1970s, softwood lumber accounted for about 85% of total exports. Since then, softwood lumber's share of total exports has fallen steadily from around 78% in the 1980s to 38% in 2005. Since 2005, however, softwood lumber exports have experienced an increasing trend and currently

sit at 88%. The 88% is misleading, as it results from the overall drop in exports brought on by the decline in the forest products sector. The most important softwood lumber export markets in 2011 were Canada, which accounted for about 28 % of total softwood lumber exports, Japan at 10.3%, and the EU at 10.4%. All other countries accounted for the remaining exports. Canada and the EU were the two largest markets, respectively, for exported hardwood lumber from the United States in 2011. China is the fastest growing market for hardwood lumber.

Consumption—Lumber consumption in the United States in 2011 for all uses totaled 40.8×10^9 bf, a decrease of 33.7×10^9 bf since 2005, when lumber consumption peaked at 74.5×10^9 bf (Table 28). The record high in 2005 also exceeded levels in the early 1900s, when lumber was the most important raw material used in the United States for construction, manufactured products, and shipping.

Per capita consumption in 2011 was 131 bf, a large departure from the record high of 251 bf in 2005 (Table 28). The decline in per capita consumption continued as a result of the decline in wood products markets until 2010 when per capita consumption increased to 125, the first increase since 2005. This level of consumption is still dramatically below the early 1900s, when consumption exceeded 225 bf per person.

Overall, about 63.5% of the lumber consumed in 2011 was used for housing, with 24.3% used for the construction of new units, and 39.2% of consumption for the upkeep and improvement of existing units. New nonresidential construction (including railroads) accounted for about 13.8%. Lumber consumption used for shipping (pallets, containers, and dunnage) accounted for 15.6%. The remaining 7.1% was for all other uses. The "all other" category includes an unknown amount of lumber used for other construction purposes such as nonresidential upkeep and improvements.

In 2011, 34.4×10^9 bf of the 40.8×10^9 bf of lumber consumed in the United States was softwood species, or about 84% (Table 28, Fig. 6). Slight annual variations in the percentage of softwood and hardwood lumber used are common, and are a result of differing levels of activity in the various end use markets and variations in species consumption between them. About 97% of the lumber used in new housing in 2011 was estimated to have been softwood species. This amount is roughly equivalent to lumber use in 2005. The increase in percentage of softwood lumber used in housing was largely due to a decline in hardwood flooring use, and rapid increase in house size that occurred in the 90s, which required larger amounts of softwood dimension lumber for framing. Increased use of engineered wood products in recent years, substituting for dimension lumber in both residential and nonresidential construction, tended to reduce the softwood percentage. Even with the variations caused by differences in end use markets, softwood lumber consumption as a percentage of total lumber consumption has remained around 83% since the 1960s.

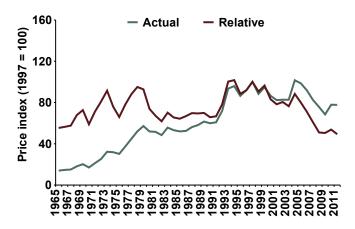


Figure 7. Price indexes for softwood lumber, 1965-2011.

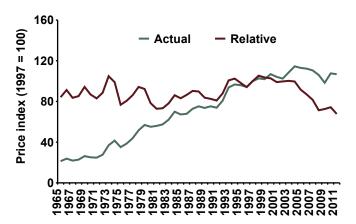


Figure 8. Price indexes for hardwood lumber, 1965-2011.

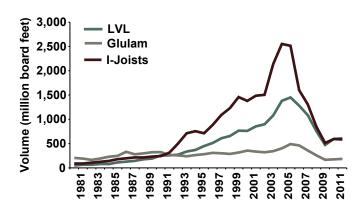


Figure 9. Production of glulam, I-joists, and laminated veneer, 1980–2011.

Prices—Overall, softwood lumber prices rebounded in 2011 but remained below the record high set during 2004. The actual producer price index for softwood lumber was 77.8 in 2011 (1997 = 100), down from 101.6 in 2004 and slightly below 1 year ago (Table 35, Fig. 7). Historically, the producer price index for lumber rose rapidly between

1965 and 1979, from 14.0 to 57.2. This represented an average increase of about 10.3% per year. A mild recession in the early to mid-1980s depressed lumber prices during the early years of the decade. It wasn't until late in the decade that prices again reached record levels. On average, lumber prices increased just 1.9% per year during the 1980s. The price index again began to move upward in the early 1990s due in part to the effect on the sawmill industry from timber harvest reductions in the West. Since 1995, the softwood lumber producer price index has fluctuated from a relative low of 86.5 in 1995 to a high of 101.6 in 2004, and back down to a relative low of 75.7. Overall, the softwood lumber producer price index increased at a rate of about 5.7% per year between 1965 and 1999, then increased approximately 2.0% per year from 1999 into 2005, then decreased at a rate of almost 7.6% per year between 2005 and 2011.

Hardwood lumber prices, as measured by the hardwood lumber producer price index, have historically been much less volatile than softwood lumber. In 2011, the producer price index for hardwood lumber was 106.7, 7.8 points below the record high established in 2004 (Table 35, Fig. 8). Since 1965, hardwood lumber prices have increased at a rate of about 2.0% per year.

The relative producer price index for a given commodity measures the change in its price relative to all other commodities, and is calculated by dividing its producer price index by that for all commodities. If the relative price index is less than 100, then the given commodity is relatively less expensive than other commodities. If it is greater than 100, then it is relatively more expensive. In 2011, the relative price of softwood lumber was 49.4, down 11.5 points from 2007 (Table 35, Fig. 7). Since 1965, relative softwood lumber prices ranged from a low of 55.4 in 1965 to a high of 101.7 in 1994. The relative hardwood lumber price index in 2011 was 67.8, down from 105.3 in 1998 (Table 35, Fig. 8). Long-term hardwood price indexes have been more stable than those for softwood lumber, ranging from a low of 72.8 in 1981 to a high of 105.3 in 1998.

Engineered wood products such as glulam, I-joists, and laminated veneer lumber (LVL) are forecast to increase steadily. Glulam production during 2011 was 184 million bf, down 59% from a record high of 491 million bf in 2005 (Table 34, Fig. 9). A little over one-half of U.S. glulam goes to new residential construction and remodeling uses. Non-residential construction consumes the next largest proportion of glulam production.

LVL production during 2011 was 38 million ft³, down from the 2005 record high of 91 ft³, while I-joist production was 293 million linear feet, down from the record high of 1,282 million linear feet in 2004. The volume of LVL production used for I-joist flanges has kept pace with I-joist production in recent years. In 2011, approximately 77% of I-joists were used in new residential floor construction and

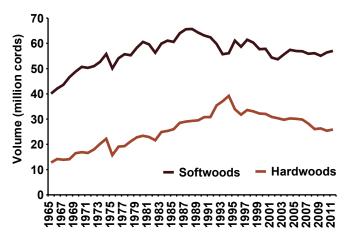


Figure 10. Pulpwood production by wood type, 1965-2011.

6% in residential roofs and walls. Approximately 10% were used in remodeling and 7% in nonresidential construction. A small volume of I-joists is export to Japan.

More recently, new hybrid products such as wood or natural fiber-plastic composites have also come on the market and now compete directly with traditional wood products. These new products are being used for decking, siding, roofing, and millwork. Production data for these new products are not available yet.

Woodpulp and Pulpwood Production, Prices, Trade, and Consumption

Total woodpulp production in U.S. mills in 2011 is estimated to be about 54.3 million tons based on data published by the American Forest and Paper Association (AF&PA) (Table 49). This is slightly above 2010 levels, but 23% below the previous high produced in 1995. Most U.S. paper companies have experienced poor financial returns for nearly a decade. With the exception of a short-lived boom in 1995, the 1990s were a decade of low profitability while the 2000s was the decade of consolidations and plant closures. Plagued by overcapacity and low commodity prices, the industry failed to earn its cost of capital throughout most of the 1990s. The negative growth during 2001 and 2002 was the first time that capacity had ever declined for 2 years in a row during the 40 years that AF&PA has been compiling capacity data. Extending the downward trend that began in 2001, U.S. paper and paperboard capacity declined 0.8% in 2005, to 99.3 million tons. Paper and paperboard capacity declined 4.4% between 2000 and 2005. The AF&PA's 52nd Annual Capacity Survey revealed that paper and paperboard capacity in the United States declined slowed to 1.4% in 2011 to a level of 89.7 million short tons and was smaller than the 3.1% capacity reduction recorded in 2010.

On the basis of the above volumes, related data on pulpwood production published by the United States Department of Agriculture (USDA) Forest Service (FS) Forest Inventory Analysis Unit (FIA), which includes both roundwood and chips, shows an estimated 75.3 million cords in 2011 (Table 24, Fig. 10). This volume is about 9% below 2007 levels and 19.3% below the record high level established in 1994. Pulpwood production has seen its fair share of ups and downs over the past decade. There was a downward trend that had begun in 1997 and continued into 2002, but was interrupted by a brief increase in production between 2003 and 2005 that reversed the trend. This lengthy decline in pulpwood production coincided with the decline in wood pulp production. Mill shutdowns had a strong impact, with nearly 10 million tons of paper and paperboard capacity removed between 2000 and 2010. The slowdown in pulpwood production reversed in 2003 with the industry experiencing its second straight year of increased pulpwood production in 2004 (Table 24). Since 2004, however, pulpwood production has re-established a downward trend that continued into 2009 before increasing slightly in 2010 then returning to the downward trend in 2011. Softwood roundwood and chip production in 2011 was 55.3 million cords, down 7.5% from 2007 (Table 24). All three of the major producing regions in 2011 showed slight decreases in output. In the West, production of softwood in 2011 was at 3.3 million cords. Softwood output in the North dropped to 5.6 million cords. Southern softwood roundwood production also saw a decline in 2011, decreasing to 46.9 million cords. About 84% of U.S. softwood roundwood pulpwood produced came from southern forests.

Output of hardwood roundwood and chips in 2011 was 24.3 million cords, just above the 23.9 million cords in 2010. Although the output of hardwood pulpwood and chips gradually declined over the past 4 years, the proportion of total round pulpwood and chips from hardwood species has slowly increased. This reversed the downward trend that had started in 1994 and continued into 2011. Through the 1960s and early 1970s, hardwoods became an increasingly important source of round pulpwood, a reflection of changes in pulping technology, the types of pulp produced, and the relative price of different species. During 2011, hardwood pulpwood comprised 44% of total U.S. pulpwood production. This was up slightly from 39.8% of pulpwood production at the high point in production during 1994. Further erosion in pulpwood demand is likely as capacity to produce paper and paperboard continues a downward trend that began in 2001 as electronic media demand continues to increase.

FIA data on pulpwood receipts indicate that pulpwood production in the South in 2011 was 62.6 million cords, down a significant 16.1% from the high production year in 1994 when 74.7 million cords of pulpwood was produced (Table 25, Fig. 11).

The South has accounted for more than 65% of total U.S. pulpwood production in the past 10 years. During 2011, the South accounted for 81.5%. All of the 14 states in the South

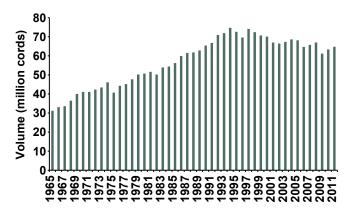


Figure 11. Pulpwood production in U.S. South, 1965-2011.

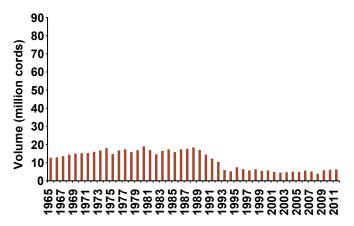


Figure 12. Pulpwood production in U.S. West, 1965-2011.

have contributed to the decline in pulpwood production noted above. However, this decrease has been greatest in Georgia and Alabama, which together accounted for a third of the pulpwood output in this region. This is consistent with the location of the industry within the area. Of the total number of pulp mills in the South, some 30% are located in Alabama and Georgia.

About 65% of the 62.6 million cords of round pulpwood harvested in the South in 2011 was softwoods. This proportion has been gradually falling over the last decade, and the trend continued into 2011. Southern softwood roundwood output has been decreasing since 2004, while hardwoods have held fairly steady over the past 6 years. Between 2003 and 2008, for example, hardwood roundwood production declined by an average of 0.1 million cords per year while softwood roundwood decreased on average by 1.5 million cords per year since 2003.

Receipts of domestically produced pulpwood in the West leveled off after declining throughout the 1990s but began to decline again after 2005. Softwood production in the West has fallen in each year since 1988. Softwood production was 3.3 million cords in 2011, below 2007 levels of 3.4 million

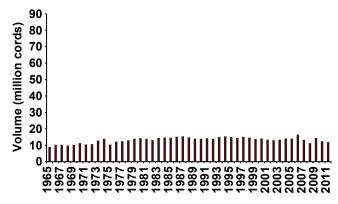


Figure 13. Pulpwood production in U.S. North, 1965-2011

cords, and down from 17.4 million cords of production in 1988 (Table 25, Fig. 12). Chips accounted for roughly the same percentage of pulpwood production in 2011 as it did in 2005, declining slightly over the last 3 years. Of the total production of pulpwood, roundwood, and chips, 61% was from softwood species. Production of hardwood roundwood has also held steady over the last 3 years.

Data on domestically produced mill receipts indicate that pulpwood production in the North, roundwood plus chips, was 11.3 million cords in 2008, slightly below the 13.3 million cords that were produced in 2007 (Table 25, Fig. 13). About 68% of the total was from hardwood species, roughly the same as the proportion in 2007. About 72% of the total pulpwood output in the North was from roundwood, about equal to the proportion for the South in 2008. The use of chip residues in the North has been declining steadily as in other U.S. regions.

Stumpage prices remain depressed in lower Louisiana and other areas in the South as the rebound from the current economic downturn that began in 2008 continues (Miller Freeman 2011). The decline in prices reflected also the contraction in both U.S. softwood and hardwood demand as more than a quarter of the country's 186 pulp mills shut down since 1996. With weak demand still present in the market, pulpwood stumpage prices during 2011 remained lower than in 2005. Pine and hardwood pulpwood prices peaked in the South, the Nation's largest fiber market, during 1998 when the stumpage price for Louisiana pine was \$29.99 per cord (1997 dollars), before falling to \$14.34 per cord in 2011 (Table 26). Delivered pulpwood price for Southern Pine was \$47.02 per cord in 2011, which is an all-time low (Table 27).

Pulpwood prices vary a great deal among species and regions. In general, prices were historically highest for softwoods, especially the long fiber northern species such as spruce and fir. In some areas in response to changes in pulping technology and pulpwood availability and quality, the relationship between hardwood and softwood prices has

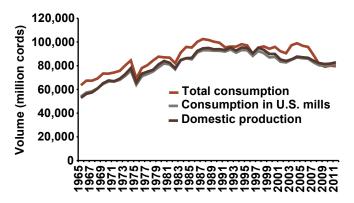


Figure 14. Total pulpwood consumption and production, 1965–2011.

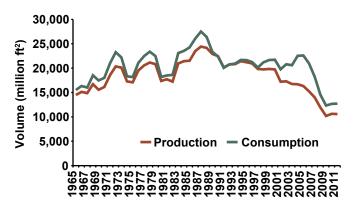


Figure 15. Total plywood production and consumption, 1965–2011.

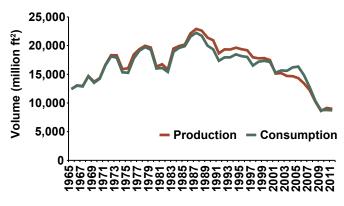


Figure 16. Softwood plywood production and consumption, 1965–2011.

changed. For example, in Louisiana the softwood pulpwood price per cord stayed at a higher level than hardwoods during the 1990s for every year other than 1995 when the price of hardwood pulpwood exceeded the softwood price. Since 2001, the hardwood pulpwood price in Louisiana has exceeded the softwood pulpwood.

Pulpwood stumpage prices for most species followed the same trends as pulpwood prices and slowed during 1999 (Tables 26 and 27). In Louisiana for example, Southern Pine pulpwood stumpage decreased from \$20.54 (1997 dollars) in 2007 to \$14.34 (1997 dollars) in 2011. In contrast to softwoods, Louisiana hardwood stumpage prices increased from 2007 to 2010, rising 43% as compared to a 32.0% increase from 2010 to 2011 for Southern Pine. Pulpwood and pulpwood stumpage prices have been quite volatile over the last 10 years. Most of the volatility has been due to falling capacity and industry restructuring as well as the current recession, resulting in lowered demand. The U.S. pulp and paper industry has brought capital spending to levels well under depreciation and amortization, effectively pulling capital out of the industry. U.S. companies have also been consolidating their operations in response to increased global competition and poor financial returns. The result has been a closing of marginal mills, further reducing the capacity base.

Apparent pulpwood consumption in U.S. mills in 2011 was an estimated 73.4 million cords (Table 24, Fig. 14). This was a decrease from the 88.7 million cords of consumption in 2007. In total, about 77.0 million cords of pulpwood domestic production plus net imports were required to meet the relatively flat demand for paper, paperboard, and pulp products in 2011. Wood requirements for exports amounted to an additional 1.6 million cords.

Plywood and Veneer Log Production, Prices, Trade, and Consumption

Softwood plywood production in 2011 was estimated at 8.9 billion square feet (3/8-in. basis) based on data published by APA—The Engineered Wood Association (APA) (Table 37, Figs. 15 and 16). This is slightly below softwood plywood production 1 year ago. The rise in production during 2010 was short lived as the wood using sector continues to fluctuate in the weakened state as a result on the ongoing effects from the housing recession that began in 2008. OSB continued to increase its share of the market once dominated by plywood. For example, between 1994 and 2011, plywood production declined by 48%.

Historically, production of softwood plywood was concentrated in the West, chiefly in the Pacific Coast States of Washington, Oregon, and California. However, these three States during 2011 accounted for only 26% of plywood production. In the years since the first plywood plant began production in the South, production in that region has grown to 65% of plywood production. For example, over the last 10 years from 1995 to 2005, production in the South has increased to 5.8 billion ft² (3/8-in. basis) in 2011 while falling to 2.3 million ft² in the West. Although the volume produced was down somewhat during the last 3 years in the South, the percentage of total U.S. production from southern plants continued to increase.

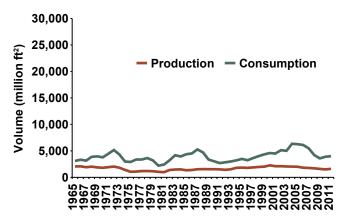


Figure 17. Hardwood plywood production and consumption, 1965–2011.

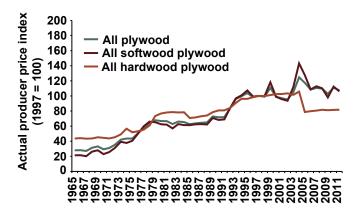


Figure 18. Actual producer price indexes for plywood, 1965–2011.

About two-thirds of the softwood plywood manufactured in 2011 was from Southern Pine.

Hardwood plywood production declined slightly from 1 year ago to an estimated 1.5 billion ft² in 2011 (3/8-in. basis) (Table 37, Fig. 17). This volume, the lowest since 1992, continues the recent trend of small annual decreases over the last 7 years. Weak demand from the furniture, cabinetry, and fixtures sector was the main factor fueling the percentage decline in production. Stock hardwood plywood accounts for slightly more than half of all the hardwood plywood produced. Of this amount, eastern producers, with their proximity to the hardwood forest resource, produce 60% of hardwood plywood, while western producers account for 38% of production, with the Great Lakes States making up the remainder.

Hardwood plywood producers use a wide range of species for the face veneers of their products. Red oak remains the most popular species at 35% of the market, followed by birch at 29%, and maple at 17%. The cores used in the hardwood plywood industry vary from veneer plies at 63%

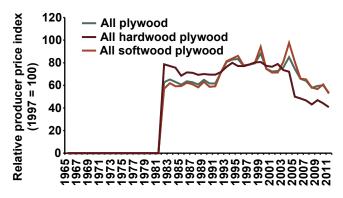


Figure 19. Relative producer price indexes for plywood, 1965–2011.

of the market to MDF cores at 16%. The use of MDF and particleboard cores has increased steadily since 1991.

Softwood plywood prices as measured by the actual producer price index continued to decline in 2011 and has trended downward since the historical high was reached in 2004 of 143.1 (Table 42, Fig. 18). The relative softwood plywood price index in 2011 was 68.3 (Table 42, Fig. 19). This was below the level of 1 year ago.

Hardwood plywood prices trended slowly upward from 1999 until 2004 when they began a period of stability, and the stable trend has continued into 2011 (Table 42, Figs. 18 and 19). The actual hardwood plywood price as indicated by the actual producer price index for 2011 was 81.8 (1997 = 100), below the 105.8 level registered in 2004, but slightly above levels from 1 year ago. The relative index registered a slight increase for 2011 coinciding with the increase in the actual producer price index.

Imports of softwood plywood, about 478 million ft² (3/8-in. basis) in 2011, decreased 56% under 2007 levels (Table 37). Imports of softwood plywood are small relative to overall U.S. plywood consumption. Exports of softwood plywood were estimated at about 740 million ft² in 2011. Exports in 2011 were 33.8% above exports in 2007. After increasing since 2006, softwood plywood exports amount to 8.2% of softwood plywood production in 2011.

Softwood veneer imports were an estimated 1.5 billion ft² surface measure in 2011 (Table 40). This is a 32.2% increase from the volume of imports compared to 1 year ago, comprising about 66% of total veneer imports. Softwood veneer exports decreased to 174.3 million ft² surface measure in 2011. This was a decrease of 36.8% compared to 1 year ago.

Hardwood plywood imports in 2011 were 2.7 billion ft² (3/8-in. basis), 2.5% above 1 year ago. The 4.6 billion ft² level in 2004 was the highest level of imports since 1988 when 3.2 billion ft² were imported. The downward trend that continued through 2010 in hardwood plywood imports also echoed the trend observed in softwood plywood imports.

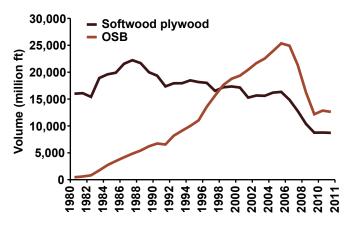


Figure 20. Softwood plywood and OSB consumption, 1970–2011.

This trend changed over the past decade, with Canada, Brazil, Malaysia, and the Russian Federation becoming major sources of hardwood plywood imports. Asia is still the largest source of U.S. hardwood plywood imports, accounting for 79% of all hardwood plywood imported to the United States in 2011 (Table 39). Since 2003, China has become the largest single country source of U.S. hardwood plywood imports with 67% of total U.S. imports and 84% of all Asia imports to the United States.

Imports of hardwood veneer, used chiefly in the manufacture of hardwood plywood in U.S. mills, totaled 798.6 million ft² (surface measure) in 2011 (Table 40). This was 16.9% below 2010 and 71.3% below the peak import year of 1972. Since 1995, imports of hardwood veneer fluctuated before declining each year since 2007. Hardwood plywood exports in 2011 totaled 200 million ft² (3/8-in. basis) (Table 37). This was 4.3% below 2010 levels of hardwood plywood exports. The decrease in exports represents a fall in demand from the European and Canadian markets. Canada, China, Indonesia, and the Russian Federation are the top four markets, representing nearly 90.0% of U.S. exports of these products (Table 39). Hardwood veneer exports were an estimated 182.2 billion ft² (surface measure) in 2011, 48% below 2010.

Consumption of softwood plywood in 2011 was an estimated 8.7 billion ft² (3/8-in. basis) (Table 38, Fig. 20). This is 19% below consumption in 2007 and represented the third consecutive year that softwood plywood consumption has decreased since a peak of 16.3 billion ft² (3/8-in. basis) in 2005. The small rise in consumption in 2005 occurred as OSB continued to erode softwood plywood market share. Since 1992 when OSB was certified to perform as well as softwood plywood, OSB has been rapidly eroding the market share of softwood plywood. This certification allows OSB to compete directly for the same markets while offering the consumer a lower cost product. However, certain

applications are still dominated by the use of softwood plywood, such as underlayment for floors.

In the United States, there are 62 plywood-producing mills and 38 OSB mills (APA—The Engineered Wood Association 2011). Nearly 68% of all grades of softwood plywood are produced in the South. The West, the traditional producer of softwood plywood, especially Douglas-fir plywood, is slowly adapting to serving niche markets because of the reduced timber supplies from public lands.

Although OSB is increasing its share in the previously dominated softwood plywood market, a weak residential construction market can explain some of the consumption decrease for softwood plywood during 2011. Also important are nonresidential construction, manufacturing, maintenance, repair, and remodeling. The large proportion of single-family houses, which use more plywood per unit than multifamily structures, also contributed to the overall fall. These factors suggest that future changes in demand for softwood plywood will likely be closely related to changes in the volumes of residential construction and OSB production.

Apparent consumption of hardwood plywood rose 1.8% in 2011 to an estimated 4.0 billion ft² (3/8-in. basis) (Table 37, Fig. 16). This was 73 million ft² more than in 2010, and represented a discontinuation of the declining trend since 2005. The continued decline in hardwood plywood consumption in 2008 in part reflected the still weakened U.S. housing market, an important market for hardwood plywood for wall paneling, kitchen cabinets, and door skins. Mobile home output also decreased in 2008; mobile home production as well as furniture output declines contributed to the decrease.

In 2011, 67% of the hardwood plywood consumed in the United States was supplied by imports (Table 37). This has been the trend throughout the 1990s and into 2011 as hardwood plywood imports consistently account for at least 60% of hardwood plywood consumption.

Total softwood log exports decreased 26% during 2011 from 1 year ago (Table 18). However, softwood log exports from the western United States increased dramatically as Douglas-fir log exports increased 63% in 2011 compared to 2010, but still are down over 55% since 1988. China surpassed Canada as the largest importer of logs from the United States in 2011; receiving 53% of U.S. softwood log exports. Canada was second, importing 27.4% from the United States, with Japan being a distant third. During 2011, log imports from Canada decreased slightly, but Canada remained the principal exporter of softwood logs to the United States. Softwood log imports historically accounted for more than 85% of all log imports (Table 16). In 2011, softwood log imports to the United States fell to 48% of total log imports.

Particleboard, Hardboard, and Insulation Board Production, Prices, Trade, and Consumption

According to estimates of the National Particleboard Association, production of particleboard in 2011 totaled 2.3 billion ft² (3/4-in. basis), down slightly from a year ago and more than 50% below the peak year in 1999 when 4.8 billion ft² was produced (Table 53, Fig. 21). Particleboard is a generic term for a panel primarily composed of cellulose materials (usually wood), generally in the form of discrete pieces or particles. The cellulose materials are combined with a synthetic resin or another bonding system. Because of its uniformity, flatness, and dimensional stability, particleboard is used primarily for floor underlayment, kitchen counter underlayment, furniture components, and cabinet components.

Foreign trade in particleboard was insignificant before mid-1960 and very small through the early 1970s; however, both imports and exports experienced a period of growth during the 1980s and 1990s and remain at historical levels. In 2011, exports increased by 2.0% to an estimated 408 million ft² (3/4-in. basis). Imports of particleboard were relatively unchanged from a year ago but were 16.1% above the 2009 import level.

Apparent consumption of particleboard fell 18.5% during 2008 compared to 2007 and has remained flat for the last 3 years and into 2011.

Production of MDF in 2011 was 1.5 billion ft² (3/4-in. basis). This is up slightly from the 1.4 billion ft² of production in 2010 but 12.6 % below 2009. The major market for MDF at the present time is furniture and cabinetry applications because of its smoothness, dimensional stability, paintability, and the sharp lines that are left after a decorative cut is made on the panel.

Hardboard production in 2011 was estimated to be 2.5 billion ft² (1/8-in. basis) (Table 56, Fig. 22). This was 7.3% below 1 year ago and well below the high in 1978. Hardboard production has been trending down since 1978 when hardboard production was 7.8 billion ft².

Imports of hardboard in 2011 amounted to 693 million ft², 38% below 2010, and continued the downward trend of hardboard imports that started in 2007. Previous to 2007, hardboard imports had trended upward since 1993. Imports accounted for 57% of total U.S. hardboard consumption in 2008. Exports of hardboard, after a short-lived growth period between 2004 and 2006, declined further in 2011. Exports of hardboard, although declining, still account for 32% of total production.

Consumption of hardboard in 2008 was 4.2 billion ft², 31.3% below 2007. This decrease in consumption is partly a reflection of a weakened housing sector. Hardboard is used

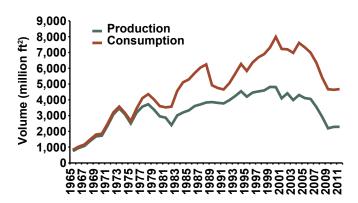


Figure 21. Particleboard consumption and production, 1965–2011.

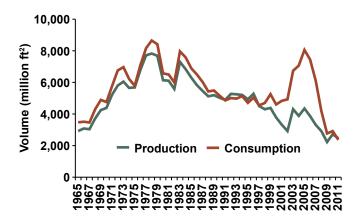


Figure 22. Hardboard consumption and production, 1965–2011.

primarily in the construction industry for exterior siding in new residential construction. In 2011, about one-fourth of all hardboard consumed was for residential exterior siding.

Production of insulation board in 2011 was about 2.3 billion ft² (1/2-in. basis) or 857,000 tons (Tables 54 and 55, Fig. 23). Imports and exports of insulation board were relatively small, amounting to 112,000 and 62,000 tons, respectively.

Production and trade of insulation board has been flat since 1993. The long-term outlook is one of no growth. Further developments of structural grades of particleboard at competitive prices could further accelerate particleboard demand for sheathing and other construction uses. MDF should also continue to provide increasing competition for the traditional board uses.

Miscellaneous Timber Products Production, Prices, Trade, and Consumption

Production of miscellaneous industrial roundwood products, which includes cooperage logs, poles and piling, fence

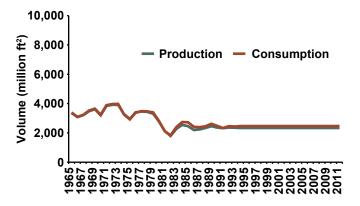


Figure 23. Insulation board consumption and production, 1965–2011.

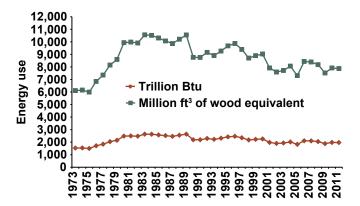


Figure 24. Wood energy use in the United States, 1973–2005.

posts, mine timbers, and an assortment of other products such as hewn ties and box bolts, was estimated at 431 million ft³ in 2011. This volume has been declining annually over the last 12 years until 2011, when an increase in volume was recorded (Table 5a).

In 2011, wood energy use remained fairly constant from 1 year ago. Wood energy provided 2.0 quadrillion Btu of energy out of a total 99.9 quad consumed in the United States. This was equivalent to about 8.2 billion ft³ of wood (Table 60). Sixty-four percent was in industrial use, mostly in the form of wood residue and black liquor at pulp and paper mills. The remainder was for residential use (24%), electric utilities (9%), and commercial buildings (3%). Total wood energy use has declined about 23% from a high of 2.6 quadrillion Btu in 1983 (Fig. 24). The decline was led by declines in industrial and residential use. Electric utility use has increased fairly steadily since the early 1990s.

Production of round fuelwood in 2011 was estimated at 1.6 billion ft³, up slightly from 2010. Fuelwood consumption dropped sharply in the first five decades of the past century because of the substitution of oil, gas, coal and electricity in home cooking, heating, and industrial uses.

In recent years, however, substantial markets have developed for wood pellets. Pellet fuel is a renewable, clean-burning heating alternative used in approximately 1 million homes in the United States. The estimated pellet industry capacity in 2011 was 10.2 million tons.

Total domestic turpentine production rose to 22 million gallons in 2011 (Table 59). This continues the downward trend that began in 2002.

Total production in 2011 was composed of 100% sulphate turpentine. Historically, gum and steam distilled constituted about 15% of total turpentine production. But since 1985, the industry has declined and crude turpentine has dominated production. In the United States, the principal sources of turpentine are the longleaf and slash pine in the South. The substance obtained from these and other species of trees consists of 75% to 90% resin and 10% to 25% oil. Crude commercial turpentine is valuable mainly as a source of resins.

Domestic production of rosin fell to 255 tons during 2011. Rosin production has fluctuated widely over the last decade. During 2008, rosin production was composed entirely of tall oil rosin. Historically, gum and steam rosin composed about 15% of the industry. Since the mid-1980s, tall oil rosin has dominated the industry. Tall oil rosin is the rosin remaining after the removal of substantially all of the fatty acids from tall oil fractional distillation or other suitable means. The fatty acid content shall not exceed 5%.

Criteria and Indicators of Sustainable Forest Management

The Montreal Process criteria and indicators (C&I) of sustainable forest management (SFM) include 7 criteria and 67 indicators that measure the diverse sets of values that society places on forest resources (FS 2011). The support and development of the C&I for the United States reflects the evolution of forest policies and priorities in forest management among the diverse stewards of U.S. forest resources. Six of the 19 indicators under Criterion 6, maintenance and enhancement of long-term multiple socioeconomic benefits to meet the needs of societies and assess the production and consumption of forest products. A subset of four of the six production and consumption indicators parallel and complement the standard measures in this report. These indicators are as follows:

- Value and volume of wood and wood products production, including value-added through downstream processing (Indicator 29)
- Supply and consumption of wood and wood products, including consumption per capita (Indicator 31)
- Value of wood and [nonwood products] production as a percentage of GDP (Indicator 32)
- Degree of recycling of forest products (Indicator 33)

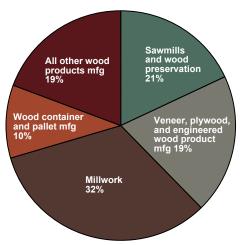
Measures of production, consumption, and value are important to the goals underlying sustainable forest management. These types of measures reflect the importance of forest resources in supplying raw materials for manufacturing and the value that society places on the production of wood and wood products. Strategies to achieve sustainable forest management must reflect the role of forest resources in maintaining a dynamic and strong economy as a primary component of meeting the needs of society.

Volume and Value of Wood and Wood Products Production

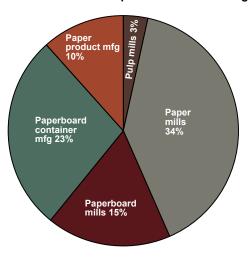
The total volume of wood products (in roundwood equivalent inputs) in the United States, including fuelwood, has decreased from 18 billion ft³ in the late 1980s and early 1990s to 15.9 billion in 2006 before falling further to 12.7 billion ft³ in 2011. The amount of primary wood and paper products produced in the United States increased relatively steadily from 82 million tons in 1950 to 204 million tons in 1999 and has since then declined to 137.3 million tons in 2011.

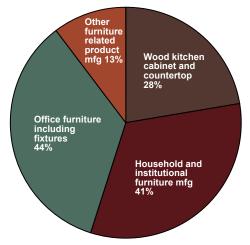
Of that production, approximately 65% and 35% was softwood and hardwood, respectively, in 2006, based on roundwood equivalent inputs (Tables 6a and 7a) (Howard 2012). The value of shipments for all wood furniture, wood products, and paper products production surpassed \$370 billion in 2006 (DOC 2009) up from \$364 billion in 2005. Valueadded from all wood, furniture (including nonwood furniture) and paper products surpassed \$170 billion in 2006, up from \$167 billion in 2005 (DOC 2009). Although lumber and wood products value-added accounted for nearly 2.0% of total value-added or \$44.3 billion, the highest valueadded continues to come from the paper and allied products sector of forest production (Fig. 25). In 2006, this sector produced more than \$80.0 billion of value-added, primarily by paper mills and paperboard containers and boxes. Furniture and fixtures (excluding nonwood furniture) represented roughly 2.0% of value-added or more than \$32 billion in 2006.

The total volume of sawnwood production has decreased in proportion to other wood products, from 51% of industrial roundwood production in 1965 to 46% in 2006 before falling in 2011 to 40% (Table 5a). Nevertheless, the volume of sawnwood production increased by 21% over the 40-year period between 1965 and 2005; the lowest volume was 5.1 billion ft³ in 1982 and the highest volume was 7.9 billion ft³ in 2005. On average, the value of sawnwood production has continued to increase in real terms (net of inflation) although in effect, still recovering from sharp declines in the early 1980s (Fig. 26). Meanwhile, the value-added by sawnwood production remained fairly stable during the 1990s at around \$8 billion in real terms before increasing to \$11 billion in 2004 and then dropping to \$9.8 billion in 2006. The volume of sawnwood production increased as much as 2.4 billion ft³ from the low in 1982 to the current level of



Lumber and wood product manufacturing





Furniture and related products manufacturing (excluding nonwood)

Figure 25. Value-added categories of wood and wood fiber products in 2004.

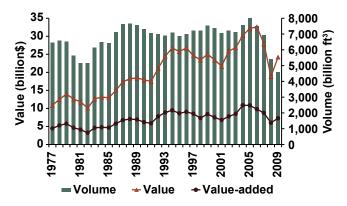


Figure 26. U.S. Production and Consumption of Roundwood.

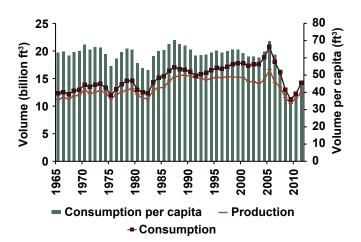


Figure 27. U.S. per capita consumption of wood products, 1965–2011.

7.6 billion ft³ in 2006. Rising real lumber prices are important drivers in the introduction of new technologies to use more species, small dimension wood, and residues to make composite structural panels and engineered wood components such as OSB, I-beams, laminated beams, and truss framing.

The production of plywood and veneer has declined in recent years, falling below the level produced in 1965. Other wood-based panels production has increased since 1965. Current levels of plywood production remain well below the peak level of 22.8 billion ft² (3/8-in. basis) in 1987 (Table 37) and the total value of plywood shipments decreased slightly to \$10.4 billion in 2006 and made up more than 24% of the total value-added of all wood products (DOC 2009).

Pulp and paper products provide the highest value among wood commodities produced in the United States. The recent decrease in pulp and paper production reflects important linkages between decreased income and decreased demand for pulp and paper products. Paper and board

products by weight increased more than 116% since 1965 (Table 43). The value-added of pulp and paper production has fluctuated widely during some periods, but was \$80 billion in 2006 (DOC 2009). The decrease in pulp and paper volumes with somewhat falling values reflects advances in recycling as well as efficiency gains and lower production costs of foreign competitors. The largest impact to the wood products sector results from the economic decline and reduced activity in the United States housing sector.

Supply and Consumption of Wood and Wood Products

In addition to knowing the historical and current levels of production, we need to assess our ability to maintain, increase, or decrease levels of production in response to the changing needs of society. The rationale for this indicator is that we will know to what extent we have met and can continue to meet wood demands with out available supply. The additional information gained with this measure compared to the production and value indicators is that supply reflects all sources, domestic and international, of wood. However, no C&I variables directly measure the balance of trade in wood products; thus, potential dependence outside sources (a possible indicator of management away from sustainable levels) is not evident.

The deficit in U.S. production compared to U.S. consumption of industrial wood products (in roundwood equivalents) in 2011 was 1.8 billion ft³, which is slightly more than the net imports in 1965, which were just over 1.0 billion ft³ but quite a bit less than the net imports in 2005, which were over 4.1 billion ft³. The 2011 figure includes wood imports of 3.5 billion ft³ and exports of 1.7 billion ft³. Imports (in roundwood equivalents) constituted almost 24% of the volume consumed in 2011, compared to 12% in 1965 (Table 5a). Softwood lumber remains the primary import into the United States: approximately 40% or 1.4 billion ft³ (in roundwood equivalent) of total wood imports in 2011 (Tables 5a and 6a).

The roundwood equivalent of the total consumption of wood products in the United States had steadily increased until 2005, reaching a peak of 20.7 billion ft³. Since 2005, however, total consumption of wood products has dropped drastically, reaching just 12.8 billion ft³ in 2010 before rebounding to 14.6 billion ft³ in 2011. Fluctuations in wood products flow reflects periods of economic downtowns and recovery as the demand for wood and wood products generally tracks basic macroeconomic indicators, such as those summarized in Table 1. Slower rates of increase in the consumption of wood products since 1990 have resulted in relatively stable trends in per capita wood consumption at about 67 ft³ over the previous decade (Fig. 27). Per capita consumption by wood products sector shows a fairly stable proportion of individual consumption of most products, with slight decreases in all sectors between 2005 and 2008.

But the Great Recession that started in 2008 was the driving force behind the greatest downturn in the wood products sector of all time.

Total and Per Capita Consumption of Nonwood Forest Products

Nonwood forest products are items harvested or gathered from forests that are not traditional wood products. The quantity of nonwood forest products consumed indicates the relative importance of forest as a source of products other than wood and wood products. Information on the consumption of nonwood forest products, especially when compared to sustainable production levels, helps to illustrate the balance between supply and demand. When consumption and available supplies are not balanced, price changes are likely to occur and cause economic effects in the forest sector or elsewhere in the economy. Estimates are provided for non-timber forest products and nonwood forest products.

This indicator measures investments made to maintain and/or enhance the ability of forests to produce goods and services for the benefit of a nation's economy and people. Sustainable forest management is not possible in the long run without regular investments in forest protection and management operations, forest industries and enterprises, and forest-based environmental services. When capacities to protect, manage, and use forests erode through lack of funding, the benefits that forests provide also decline (FS 2011).

Why can't the entire indicator be reported at this time? Capital expenditure and annual expense data are not available for a number of entities that protect and manage forests, including county/local governments, conservation organizations, and certain corporate land owners, such as Timber Investment Management Organizations(TIMOs) or Real Estate Investment Trusts (REITs). Capital and annual expense data are not available by region for forest based recreation and tourism. Data specifically on capital and annual expenses for providing forest-based environmental services are not available although some cited total expenses by the FS and state forestry agencies support these services.

Traditionally, recovery and recycling in the forestry sector have been associated primarily with paper and paper products, namely newsprint and office waste paper. The majority of available data reflects these productions. Recently, research and data on the recycling of solid wood materials from demolished structures, construction sites, and mill residues reflect the increasing value that society places on forest resources. Paper and paperboard recycling has increased steadily over the last few decades, with substantial increases in the 1990s. As of 2008, paper and paperboard was being recovered in the United States at a rate of 57.4%, up from 22% in 1970, while utilization of recovered paper was at 37%, up from 25% in 1965 (Tables 46 and 47) (AF&PA 2009).

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Gross domestic product a Billion Billion Billion Current 1996 Carlos 719.1 2,998.7 1966 787.8 3,193.4 1967 982.2 3,535.8 1970 1,035.6 3,535.7 1971 1,125.4 3,650.3 1972 1,237.3 3,844.9 1972 1,237.3 3,844.9 1972 1,237.3 3,844.9 1977 1,189.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 1,282.6 4,050.1 1977 2,292.6 4,445.9 1,050.1 1,292.6 4,445.9 1,050.1 1,292.6 4,445.9 1,050.1 1,292.6 4,445.9 1,050.1 1,292.6 4,445.9 1,050.1 1,292.6 4,445.9 1,203.1 1,292.6 4,445.9 1,050.1 1,203.1 1,203.1 1,203.1 1,203.1 1,292.6 4,445.9 1,203.1 1,203.	Disposable inco inco current dollars 493.9 533.7 571.9 621.4 668.4	sposable personal	Francis	•										
Billion current dollars 719.1 787.8 833.6 910.6 982.2 1,035.6 1,125.4 1,237.3 1,382.6 1,496.9 1,630.6 1,819.0 2,026.9	Billion current dollars 493.9 533.7 571.9 621.4 668.4	income	expenditures for new construction ^b	Expenditures for lew construction ^b	fixed investment ^{c.a}	Number of housing	Mobile		Total		Furniture	Paper	Producer price	Consumer
dollars 719.1 719.1 787.8 833.6 910.6 982.2 1,035.6 1,125.4 1,237.3 1,382.6 1,496.9 1,630.6 1,630.6 1,819.0 2,026.9	dollars 493.9 533.7 571.9 621.4 668.4	Billion 1996	Billion current	Billion 1996	Billion 1996	starts ^d Thousand	homes ^d Thousand		industrial I production ^{a,e}	Manufac- turing ^{a,e}		and products ^e	index all commodities ^r	index all items ^a
787.8 833.6 910.6 982.2 1,035.6 1,125.4 1,237.3 1,382.6 1,496.9 1,630.6 1,819.0 2,026.9	533.7 571.9 621.4 668.4	dollars	dollars	dollars	dollars	units	units	Millions	1997=100	1997=100	1997=100	397=100	1997=100	1997=100
833.6 910.6 982.2 1,035.6 1,125.4 1,237.3 1,382.6 1,496.9 1,630.6 1,819.0 2,026.9	571.9 621.4 668.4	2,059.0	0 - 0 5.0 8.2 8.3	347.8	255.0	1.165	217	196.6	43.9	57.5	39.4	42.5	26.1	20.2
910.6 982.2 1,035.6 1,125.4 1,237.3 1,496.9 1,630.6 1,819.0 2,026.9	621.4	2,248.9	87.2	342.9	251.5	1,292	240	198.7	4.8	41.4	39.4	42.5	26.2	20.8
982.2 1,035.6 1,125.4 1,237.3 1,382.6 1,496.9 1,630.6 1,819.0 2,026.9	668.4	2,342.3	8.96	364.9	262.5	1,508	318	200.7	47.3	43.8	40.8	45.0	26.8	21.7
1,035.6 1,125.4 1,237.3 1,382.6 1,496.9 1,630.6 1,819.0 2,026.9		2,403.5	104.9	377.2	282.4	1,467	413	202.7	49.5	45.7	42.7	48.4	27.9	22.9
1,237.3 1,382.6 1,496.9 1,630.6 1,819.0 2,026.9	727.1	2,482.4	105.9	361.6	280.8	1,434	401	205.1	47.9	43.6	40.0	47.9	28.9	24.2
1,382.6 1,496.9 1,630.6 1,819.0 2,026.9	790.2	2,563.1	122.4	397.0	280.6	2,052	497	707.7	48.5 5.5	44.3	0.14	50.0	24.9	25.2
1,496.9 1,630.6 1,819.0 2,026.9	9650	2,837.9	153.	452.5	350.1	2,037	567	211.9	33.7 7.75	4 ჩ 0 წ	50.2	67.7	51.2 25.3	27.7
1,630.6 1,819.0 2,026.9	1 054 2	2,852.3	155.2	419.9	353.5	1,338	329	213.9	5.75	53.7	49.8	70 8	2.52	30.7
1,819.0 2,026.9	1,159.2	2,871.4	152.6	378.0	318.4	1,160	213	216.0	52.0	47.5	42.6	61.3	45.8	33.6
2,026.9	1,273.0	2,975.0	172.1	402.2	334.1	1,538	246	218.0	26.0	51.7	47.6	2.79	47.9	35.6
2 201 4	1,401.4	3,073.9	200.5	439.8	371.6	1,987	277	220.2	60.1	56.1	53.2	9.07	6.03	37.8
4.182.2	1,580.1	3,241.2	239.9	492.1	424.1	2,020	276	222.6	63.4	59.5	58.1	73.6	8. 18 8. 1	40.7
1979 2,557.5 4,852.9	1,769.5	3,357.7	272.9	517.8	466.5	1,745	717	7225.1	65.3	2.10	0.90 0.00	8.47	61.7	45.7
	2,000	3,439.0	280.1	47.7.5	400.3	1,232	244	230.0	0.00	0.00 70.00	0.00 70.00	75.7	4.07	56.7
3 242 1	2,200.2	3,559.5	279.1	419	474.2	1,067	240	232.2	. o	56.5	55.7	7.4.3	78.5	60.1
3.514.5	2.522.4	3.643.0	311.6	450.0	469.4	1,703	296	234.3	62.5	28.8	63.0	79.0	4.67	62.1
3,902.4	2,810.0	3,913.6	369.0	513.9	552.0	1,750	295	236.3	68.1	64.6	71.5	83.2	81.3	64.8
4,180.7	3,002.0	4,054.0	401.4	542.1	0.685	1,742	284	238.5	68.8	65.7	73.5	81.4	80.9	67.1
4,422.2	3,187.6	4,213.1	429.9	568.2	573.1	1,805	244	240.7	69.5	67.1	9.92	84.8	78.5	68.3
4,692.3	3,363.1	4,320.5	9,17,	567.3	5/2.5	1,621	233	242.8	72.8	70.	81.4	87.7	90.6	70.8
5,049.6	3,640.8	4,525.0	455.6	566.2	603.6	1,488	218	245.0	76.3	74.3	86.4 4. r	91.3	83.8	73.7
1989 5,438.7 6,508.7	3,894.5	4,660.7	409.8 7.88.7	530.6	037.0	1,376	288	247.3	0.77	74.8	0 0 0 0 0	92.5	8. YO	ς, γ ε, τ
5.916.7	4.343.7	4,844.6	424.2	473.1	610.1	1.014	171	252.7	76.3	73.7	80.8	92.3	91.3	84.9
6,244.4	4,613.7	5,023.6	452.1	492.3	630.6	1,200	211	255.4	78.3	76.3	81.6	94.5	91.8	87.4
6,553.0	4,790.2	5,093.2	482.7	513.2	683.6	1,288	254	258.1	80.9	78.9	89.0	92.5	93.2	90.1
6,935.7	5,021.7	5,230.4	519.5	541.1	744.6	1,457	304	260.7	85.2	83.7	90.5	2.66	4.4	92.4
7,253.8	5,320.8	5,423.9	538.1	548.5	817.5	1,354	340	263.0	89.3	88.1	91.1	101.4	7.76	95.0
7,575.9	5,588.5	5,588.5	583.6	583.6	899.4	1,475	363	265.5	93.2	92.2	88.9	98.0	100.1	97.8
1997 8,110.9 7,955.8	5,886.6	5,854.5	5.810	626 4	1,009.3	1,474	354 475	207.9	100.0	100.0	100.0	100.0	100.0	100.0
9.274.3	6,027.8	6.328.4	765.9	731.6	1 228.4	1,01,	349	273.2	110.1	111.8	102.7	102.2	9. 79 5. 4. 50	103.8
9,824.6	7,120.2	6,630.3	820.3	767.5	1,324.2	1,569	251	282.1	115.3	117.4	119.4	100.5	104.0	107.3
10,082.2	7,393.2	6,748.0	842.5	770.0	1,255.1	1,603	193	284.8	111.2	112.6	113.2	95.3	105.2	110.3
2002 10,445.6 9,440.2	7,829.1	7,049.8	846.1	764.6	1,183.4	1,705	168	287.5	110.5	111.5	101.7	94.3	102.7	112.1
2003 11,142.1 10,069.7	8,159.9	7,374.5	915.7	827.6	1,301.6	1,848	131	291.1	110.9	112.2	101.0	92.3	108.2	114.6
2004 11,867.8 10,964.6	8,622.8	7,966.6	991.4	915.9	1,423.6	1,956	131	294.0	115.5	117.2	108.9	94.8	115.0	117.7
2005 12,638.4 11,272.9	9,031.3	8,055.5	1,104.1	984.8	1,544.6	2,068	147	296.7	120.5	123.3	108.6	92.7	123.4	121.7
2006 13,377.2 10,760.3	9,915.7	7,975.9	1,167.2	938.9	1,455.5	1,801	117	289.8	97.4	97.2	116.5	92.8	129.2	125.6
2007 14,028.7 10,989.1	10,423.6	8,165.1	1,152.4	902.7	1,550.0	1,355	96	301.7	100.0	100	107.0	100.0	135.5	129.2
	11,024.5	8,451.8	1,067.6	818.4	1,537.6	906	82	304.5	96.3	92	97.4	95.3	148.6	134.1
2009 13,939.0 10,559.4	10,788.8	8,173.0	903.2	684.2	1,263.2	554	20	307.2	85.5	82.2	88.8	85.2	135.5	133.7
2010 14,526.5 13,087.9	11,179.7	10,072.5	803.6	724.0	1,319.2	282	20	309.8	90.1	9.98	84.8	88.3	144.7	135.9
2011 15,094.0 13,315.0	11,556.2	10,194.2	789.8	696.7	1,433.4	609		312.0	93.7	90.5	84.8	87.7	157.5	140.
^a U.S. Council of Economic Advisors (42,43)	isors (42,43).							°U.S. Fed€	^e U.S. Federal Reserve System, Board of Governors (77, 78).	System, Bo	ard of Gove	rnors (77, 7	8).	
^b U.S. Department of Commerce, Bureau of the Census (71).	e, Bureau of th	he Census (71	<u>.</u>					'U.S. Depa	irtment of Lak	.,				
^c U.S. Council of Economic Advisors (43), series (1965-1999) revised	isors (43); ser	(43); series (1965-1999) revised	9) revised		;	9		Revised						

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Table 2—Number of households and housing market indicators, 1965–2011

		•			N	ew housing st	using units arts				Exnen	ditures
		New home	,		One f		Multifa	milv	Mobile	homes	for resi	
	Number	mortgage				Floor		Floor		Floor		p and
	of	interest	Total	Total	Number	area ^d	Number	aread	Number	area ^{dt}		ements ^e
	house-	rates ^b	units	starts ^{c,f}	starts ^c	Average	starts ^{c,f}	Average	shipments ^c	Average	Million	Million
	holds	Average	Thousand	Thousand	Thousand	square	Thousand	square	Thousand	square	current	1996
Year	Millions	percent	units	units	units	feet	units	feet	units	feet	dollars	dollars
		'										
1965	57.4	5.81	1,727	1,510	965	1,498	545	1,053	217	650	11,442	52,009
1966	58.4	6.25	1,413	1,196	780	1,544	416	1,076	217	660	11,691	50,83
1967	59.2	6.46	1,562	1,322	845	1,585	477	1,094	240	670	11,687	49,31
1968	60.8	6.97	1,863	1,545	900	1,642	645	1,123	318	670	12,703	50,81
1969	62.2	7.81	1,913	1,500	811	1,616	689	1,095	413	684	13,535	50,50
1970	63.4	8.45	1,870	1,469	815	1,482	654	995	401	732	14,770	52,00
1971	64.8	7.74	2,582	2,085	1,153	1,520	932	1,011	497	780	16,299	53,79
1972	66.7	7.60	2,955	2,379	1,311	1,555	1,068	1,035	576	780	17,498	54,34
1973	68.3	7.96	2,625	2,058	1,133	1,660	925	1,031	567	882	18,512	52,89
1974	69.9	8.92	1,682	1,353	889	1,695	464	1,021	329	910	21,114	53,18
1975	71.1	9.00	1,384	1,171	896	1,645	275	1,000	213	952	25,239	58,15
1976	72.9	9.00	1,794	1,548	1,166	1,700	382	940	246	966	29,034	63,81
1977	74.1	9.02	2,279	2,002	1,451	1,720	551	938	277	1,000	31,280	63,70
1978	76.0	9.56	2,312	2,036	1,433	1,755	603	902	276 277	1,010	37,461	68,61
1979	77.3 80.8	10.78 12.66	2,037 1,535	1,760	1,194 852	1,760 1,740	566 461	938 979	222	1,050 1,050	42,231 46,338	69,11
1980 1981	80.8 82.4	14.70	1,341	1,313 1,100	705	1,740	395	980	241	1,050	46,338 46,351	68,34
1981	82.4 83.5	15.14	1,341	1,100	663	1,720	395 409	980	241	1,015	45,291	63,58 59,83
	83.9		2,009	,		1,710		990 942	240 296	1,000	45,291	63,93
1983 1984	85.4	12.57 12.38	2,009	1,713 1,756	1,068 1,084	1,725	645 672	942 914	295	1,035	49,295 70,597	105,36
	86.8		2,031	1,736	1,004	1,785	673	922	284	1,080		120,24
1985 1986	88.5	11.55 10.17	2,029	1,745	1,072	1,785	626	922 911	284 244	1,080	82,127 94,329	132,11
1987	89.5	9.31	1,854	1,621	1,179	1,905	475	980	233	1,110	94,329	132,11
1988	91.1	9.31	1,706	1,488	1,146	1,905	407	990	233	1,140	106,864	137,53
1989	91.1	10.13	1,700	1,400	1,003	2,035	373	1,000	198	1,175	108,054	137,53
1990	93.3	10.13	1,374	1,193	895	2,035	298	1,000	188	1,195	115,432	138,40
1990	93.3 94.3	9.32	1,185	1,193	840	2,000	290 174	1,005	171	1,205	107,692	128,05
1991	94.3 94.6	9.32 8.24	1,100	1,014	1,030	2,075	174	1,040	211	1,225	115,569	134,69
1993	95.3	7.20	1,542	1,288	1,126	2,095	162	1,040	254	1,295	121,899	135,44
1993	96.0	7.49	1,761	1,457	1,120	2,100	259	1,005	304	1,295	130,625	138,96
1995	97.3	7.43	1,694	1,354	1,076	2,100	278	1,080	340	1,355	124,971	127,39
1996	98.7	7.80	1,838	1,475	1,161	2,120	314	1,000	363	1,380	131,362	131,36
1997	99.9	7.71	1,828	1,474	1,134	2,150	340	1,076	354	1,420	133,577	129,81
1998	101.0	7.07	1,990	1,617	1,271	2,190	346	1,065	373	1,450	133,693	126,60
1999 ^r	103.9	7.04	2,012	1,663	1,303	2,223	341	1,104	349	1,465	142,900	129,43
2000	103.3	7.52	1,824	1,573	1,231	2,266	342	1,114	251	1,505	152,975	132,56
2001	104.7	7.00	1,796	1,603	1,273	2,324	330	1,171	193	1,540	157,765	131,91
2002	109.3	6.43	1,874	1,706	1,359	2,320	347	1,166	168	1,595	173,324	141,37
2003	111.3	5.80	1,979	1,848	1,499	2,330	349	1,173	131	1,570	176,899	143,70
2003	111.0	5.77	2,087	1,956	1,433	2,349	345	1,173	131	1,625	198,557	171,17
2005	113.3	5.94	2,215	2,068	1,716	2,434	353	1,247	147	1,595	215,030	180,00
2006	114.4	6.63	1,918	1,801	1,465	2,469	336	1,277	117	1,605	228,208	184,57
2007	116.0	6.41	1,451	1,355	1,046	2,521	309	1,300	96	1,600	226,359	177,31
2008	116.8	6.05	988	906	622	2,519	284	1,291	82	1,565	Z Z	777,51 Z
2009	117.2	5.14	604	554	445	2,367	109	1,167	50	1,530	z	z
2009	117.2	4.80	637	587	445 471	2,386	116	1,167	50	1,530	z	z
2010	117.5	4.80 4.56	661	587 609	471	2,386	178	1,177	50 52	1,515 z	z	z

^aU.S. Department of Commerce, Bureau of the Census (65, 64, 63).

^bU.S. Council of Economic Advisors (42, 43).

[°]U.S. Department of Commerce, Bureau of the Census (58, 60, 70); U.S. Department of Commerce,

Bureau of Economic Analysis (73); National Association of Home Builders (28,29).

^dU.S. Department of Agriculture, Forest Service estimates based on data from the Manufactured Housing Institute; U.S. Department of Commerce,

Bureau of the Census, and U.S. Department of Housing and Urban Development (59,60,74); Manufactured Housing Institute (27).

^eU.S. Department of Commerce, Bureau of the Census (68).

^fData for privately owned housing starts from 1986 to present.

^rRevised

^pPreliminary

^Zdata no longer available

Table 3—Average hourly earnings^a in timber-based industries and all manufacturing in the United States, 1972–2011^b

Tubic		ber and		ng camps	isca mac	istrics and t		k, plywood,	iic Oilite	a Otates, 15	72-2011			
		products		logging	Sawı	mills and		structural	Paper	and allied	Furn	iture and		
		t furniture		tractors		ing mills		embers	- 1	oducts		ktures	Manu	facturing
	U.S.	Index	U.S.	Index	U.S.	Index	U.S.	Index	U.S.	Index	U.S.	Index	U.S.	Index
Year	dollars	1996=100	dollars	1996=100		1996=100	dollars	1996=100	dollars	1996=100		1996=100	dollars	1996=100
1972	3.33	31.9	4.25	36.1	3.29	31.1	3.37	35.5	3.95	26.9	3.08	30.3	3.82	29.9
1973	3.61	34.6	4.56	38.8	3.62	34.2	3.62	34.4	4.20	28.6	3.29	32.4	4.09	32.0
1974	3.89	37.3	4.91	41.8	3.88	36.6	3.91	37.2	4.53	30.9	3.53	34.8	4.42	34.6
1975	4.26	40.8	5.28	44.9	4.34	41.0	4.26	40.5	5.01	34.1	3.78	37.2	4.83	37.8
1976	4.72	45.2	6.03	51.3	4.86	45.9	4.67	44.4	5.47	37.3	4.34	42.8	5.68	44.4
1977	5.10	48.9	6.58	56.0	5.28	49.9	5.04	48.0	5.96	40.6	4.34	42.8	5.68	44.4
1978	5.60	53.6	7.25	61.6	5.83	55.1	5.55	52.8	6.52	44.4	4.68	46.1	6.17	48.3
1979	6.07	58.1	7.97	67.8	6.32	59.7	5.95	56.6	7.13	48.6	5.06	49.9	6.70	52.4
1980	6.55	62.7	8.64	73.5	6.70	63.3	6.41	61.0	7.84	53.4	5.49	54.1	7.27	56.9
1981	6.99	67.0	9.11	77.5	7.19	67.9	6.89	65.6	8.60	58.6	5.91	58.2	7.99	62.5
1982	7.43	71.2	9.79	83.2	7.73	73.0	7.33	69.7	9.32	63.5	6.31	62.2	8.49	66.4
1983	7.80	74.7	10.17	86.5	8.20	77.4	7.64	72.7	9.93	67.6	6.62	65.2	8.83	69.1
1984	8.03	76.9	10.70	91.0	8.42	79.5	7.81	74.3	10.41	70.9	6.84	67.4	9.19	71.9
1985	8.22	78.7	10.92	92.9	8.52	80.5	8.06	76.7	10.83	73.8	7.17	70.6	9.54	74.6
1986	8.34	79.9	10.82	92.0	8.58	81.0	8.23	78.3	11.18	76.2	7.46	73.5	9.73	76.1
1987	8.40	80.5	10.68	90.8	8.58	81.0	8.35	79.4	11.43	77.9	7.67	75.6	9.91	77.5
1988	8.61	82.5	10.78	91.7	8.75	82.6	8.55	81.4	11.69	79.6	7.94	78.2	10.18	79.7
1989	8.84	84.7	11.13	94.6	9.03	85.3	8.73	83.1	11.96	81.5	8.25	81.3	10.48	82.0
1990	9.08	87.0	11.22	95.4	9.22	87.1	9.04	86.0	12.31	83.9	8.52	83.9	10.83	84.7
1991	9.24	88.5	11.06	94.0	9.37	88.5	9.28	88.3	12.72	86.6	5.76	56.7	11.18	87.5
1992	9.44	90.4	11.17	95.0	9.59	90.6	9.48	90.2	13.07	89.0	9.01	88.8	11.46	89.7
1993	9.61	92.0	11.37	96.7	9.78	92.4	9.65	91.8	13.42	91.4	9.27	91.3	11.74	91.9
1994	9.84	94.3	11.44	97.3	10.05	94.9	9.89	94.1	13.77	93.8	9.55	94.1	12.06	94.4
1995	10.12	96.9	11.64	99.0	10.31	97.4	10.12	96.3	14.23	96.9	9.82	96.7	12.37	96.8
1996	10.44	100.0	11.76	100.0	10.59	100.0	10.51	100.0	14.68	100.0	10.15	100.0	12.78	100.0
1997	10.76	103.1	12.16	103.4	10.85	102.5	10.89	103.6	15.06	102.6	10.55	103.9	13.17	103.1
1998	11.10	106.3	12.48	106.1	11.12	105.0	11.25	107.0	15.51	105.7	10.90	107.4	13.49	105.6
1999	11.46	109.8	13.24	112.6	11.40	107.6	11.59	110.3	15.97	108.8	11.23	110.6	13.91	108.8
2000	11.94	114.4	13.70	116.5	11.90	112.4	12.08	114.9	16.25	110.7	11.74	115.7	14.37	112.4
2001	12.26	117.4	14.40	122.4	12.19	115.1	12.45	118.5	16.87	114.9	12.24	120.6	14.83	116.0
2002	12.50	119.7	14.76	125.5	12.42	117.3	12.60	119.9	17.50	119.2	12.61	124.2	15.29	119.6
2003	12.71	121.7	14.95	127.1	13.84	130.7	12.60	119.9	17.32	118.0	12.98	127.9	15.74	123.2
2004	13.03	124.8	15.03	127.8	14.05	132.7	13.20	125.6	17.90	121.9	13.16	129.7	16.14	126.3
2005	13.16	126.1	15.74	133.8	13.97	131.9	13.48	128.3	17.98	122.5	13.44	132.4	16.56	129.6
2006	13.40	128.4	16.06	136.6	13.98	132.0	13.62	129.6	18.01	122.7	13.79	135.9	16.80	131.5
2007	13.67	130.9	16.07	136.6	14.19	134.0	14.06	133.8	18.43	125.5	14.32	141.1	17.26	135.1
2008	14.20	136.0	16.64	141.5	14.51	137.0	15.04	143.1	18.88	128.6	14.54	143.3	17.44	136.5
2009	14.92	142.9	17.00	144.6	14.94	141.1	15.59	148.3	19.29	131.4	15.04	148.2	18.24	142.7
2010	14.85	142.2	18.85	160.3	14.88	140.5	15.57	148.1	20.04	136.5	15.04	148.4	18.61	145.6
2010	14.81	141.9	19.41	165.1	14.69	138.7	15.50	147.5	20.04	138.0	15.00	150.1	18.93	148.1
2011	1-7.01	i -1 1.∂	10.71	100.1	17.03	100.1	10.00	171.0	20.20	100.0	10.4	100.1	10.90	170.1

^aFor production or nonsupervisory workers.
^bU.S. Department of Labor, Bureau of Labor Statistics (76, 78, 79).
^cChanged from SIC to NAICS in 2003.

Table 4—Average employment in lumber producing and lumber dependent industries in the United States, in thousand people, 1972-2011

		6.4	2				I umber dependent	nendent	. ()			
	Lumbe	Lumber producing				Wood		Lumber,	Lumber			
I		Sawmills and planning		Wood	Wood	buildings and mobile	Misc.	plywood, and	and other building	Residential building	Operative	Special trade
Year	Logging	mills, general ^q	Millwork	cabinets ^q	containers ^q	homes	products	millwork	materials	construction	builders ^q	contractors
1972	0.69	182.0	78.5	38.1	45.8	110.5	86.3	Z	268.3	577.6	93.6	1,950.6
1973	75.9	185.9	83.3	41.9	47.5	115.0	91.1	Z	286.1	594.2	101.8	2,086.7
1974	80.7	191.3	75.1	38.5	46.3	82.2	0.06	Z	287.6	576.0	92.1	2,029.0
1975	73.5	169.6	9.79	31.5	38.9	63.1	78.1	Z	267.9	479.9	68.3	1,778.8
1976	81.5	184.4	75.2	36.9	41.2	71.4	84.5	Z	283.4	513.8	67.2	1,805.8
1977	84.2	189.3	80.8	44.2	42.0	82.1	87.0	7	302.1	578.1	75.4	1,982.7
1978	84.8	192.3	85.5	20.0	44.4	87.3	91.3	N I	325.5	637.3	81.9	2,172.6
1979	88.5	196.4	84.5	54.1	46.9	83.4	92.7	7 Y	337.5	625.1	83.3	2,292.6
1980	87.5	178.2	76.3	48.4	42.5	9.59	87.9	7 1	325.3	554.3	9.99	2,278.3
1981	82.1	168.4	74.8	47.0	41.2	2.99	87.5	7	315.1	508.1	26.7	2,228.6
1982	75.4	148.1	70.4	42.0	37.6	0.09	78.9	77.2	298.3	446.9	47.9	2,119.2
1983	82.9	160.3	81.1	48.7	37.8	69.3	81.2	83.1	320.9	492.9	54.8	2,173.6
1984	87.5	166.5	90.3	67.0	41.0	73.5	84.4	92.9	346.8	578.9	67.9	2,461.7
1985	84.4	160.2	95.0	60.4	40.9	72.0	83.3	97.2	363.2	622.6	58.4	2,652.2
1986	84.1	158.3	100.9	65.4	40.8	69.4	84.2	100.1	380.4	665.4	57.0	2,770.6
1987	85.4	163.7	109.0	70.8	41.9	0.69	87.4	106.5	412.8	692.3	53.5	2,901.4
1988	88.0	165.8	111.7	72.7	43.8	089	89.8	116.2	436.6	710.6	46.6	3,005.2
1989	86.9	163.2	109.6	73.6	44.7	64.4	87.3	119.4	441.0	6.089	41.9	3,072.1
1990	84.6	160.1	106.6	72.3	45.1	59.4	84.8	117.9	432.8	642.8	38.0	3,051.0
1991	78.7	148.0	97.9	64.6	44.0	54.1	80.2	109.7	417.1	553.7	30.7	2,783.3
1992	78.7	144.6	100.3	65.7	43.5	56.4	80.8	110.1	429.3	528.2	27.2	2,704.1
1993	81.1	145.2	103.3	8.89	45.9	64.2	83.8	113.1	450.6	9.099	27.2	2,835.6
1994	82.1	150.3	110.2	74.7	49.3	73.5	7.78	119.5	491.9	604.7	27.9	3,058.4
1995	82.5	148.0	111.4	76.0	51.2	81.4	87.8	123.5	512.6	8.809	26.6	3,201.1
1996	80.7	143.5	113.9	78.4	52.4	89.1	9.88	126.0	535.2	642.0	26.2	3,383.6
1997	82.2	144.6	117.4	81.4	54.5	93.4	89.1	130.0	562.6	672.5	26.6	3,582.3
1998	80.0	144.1	121.4	9.78	55.8	2.66	9.78	134.3	576.7	706.1	27.5	3,803.6
1999	79.0	141.7	124.8	92.6	56.8	102.9	85.4	142.2	612.3	767.3	29.9	4,084.2
2000	79.0	142.2	126.5	103.1	58.4	90.3	83.5	145.4	643.4	798.4	32.0	4,251.2
2001	73.5	134.1	123.2	103.6	56.2	6.92	79.5	137.8	680.5	753.4	33.0	4,300.5
2002	69.1	131.7	122.3	107.2	55.1	7.07	75.2	138.6	709.2	773.9	32.8	4,194.2
2003	69.4	117.1	150.3	153.5	59.2	44.2	6.96	114.1	537.6	837.9	28.9	4,255.7
2004	8.79	117.5	156.0	161.2	8.09	43.9	8.96	117.3	548.4	894.1	28.6	4,429.7
2005 ^R	65.2	119.2	159.1	170.1	58.5	46.4	99.2	123.3	559.2	6.096	31.1	4,673.1
2006	64.4	117.8	159.4	176.6	9.69	48.4	103.7	120.1	558.8	1,008.8	32.8	4,901.1
2007	60.1	111.2	146.9	166.6	59.5	40.1	91.2	108.3	517.1	949.0	30.9	4,850.2
2008	22.0	103.6	128.1	145.4	57.4	33.9	79.4	90.2	457.7	816.1	28.0	4,555.8
2009	50.4	83.2	101.4	111.9	20.7	21.1	9.99	68.3	360.2	638.1	24.5	3,807.9
2010	49.7	82.3	92.6	2.66	50.8	19.1	52.6	63.9	342.1	571.8	21.4	3,463.4
2011	48.7	83.7	89.1	97.0	52.5	18.3	49.8	62.0	337.1	565.6	21.0	3,474.6
S II	S Department of Labor	labor Bureau of Lak	hor Statistics (76 77 78 79)		Ì				Ī		

^aU.S. Department of Labor, Bureau of Labor Statistics (76, 77,78, 79).

^aChanges in topics cause data changes after 2003 when SIC changed to NAICS. ²Change from SIC to NAICS causes change in data 2003 and after. Revised.

Table 5a—Production, imports, exports, and consumption of timber products, by major product, 1965–2011 (million cubic feet, roundwood equivalent)^a industrial roundwood use

Production Intr Ex- Consumptor amption Intr Ex- 3,176 701 213 3,665 560 11 191 3,392 755 3,822 565 12 315 3,392 709 253 3,924 515 12 315 3,881 705 280 3,964 515 13 411 3,881 705 280 3,964 515 13 411 3,881 705 280 3,964 515 13 411 3,881 705 280 3,964 515 13 411 3,775 702 386 4,025 652 13 368 3,775 729 386 4,204 517 517 401 506 506 506 506 506 506 506 506 506 506 506 506 506 506 506 506 506 <t< th=""><th>tic 13,</th><th>All products</th><th></th><th>ř</th><th>Total</th><th></th><th></th><th>Lumber</th><th>ber</th><th></th><th>_</th><th>Plywood and veneer</th><th>and vene</th><th>φ.</th><th>P</th><th>Pulpwood-based products</th><th>ed product</th><th></th><th>products, production</th><th>Logs</th><th>se se</th><th>Pulpwood chip^d</th><th>produc- chip^d tion and</th></t<>	tic 13,	All products		ř	Total			Lumber	ber		_	Plywood and veneer	and vene	φ.	P	Pulpwood-based products	ed product		products, production	Logs	se se	Pulpwood chip ^d	produc- chip ^d tion and
tjon ports* ports* tjon sumplion* ports* ports* </th <th>tion 13,325 13,598</th> <th>١.</th> <th>Produc-</th> <th><u></u></th> <th>Ë×</th> <th>Consump-</th> <th>Produc-</th> <th>Ė</th> <th>Ė</th> <th>Consump-</th> <th>Produc-</th> <th>l</th> <th></th> <th>-dunsuo</th> <th>Produc-</th> <th>Ė.</th> <th></th> <th>Consump-</th> <th>and con-</th> <th><u></u></th> <th>Ë</th> <th>-ul</th> <th>1</th>	tion 13,325 13,598	١.	Produc-	<u></u>	Ë×	Consump-	Produc-	Ė	Ė	Consump-	Produc-	l		-dunsuo	Produc-	Ė.		Consump-	and con-	<u></u>	Ë	-ul	1
3,392 765 3,905 11 191 17 3,392 765 283 3,822 515 12 315 17 3,539 705 280 3,844 515 11 311 17 3,539 705 280 3,844 602 13 411 61 11 41 4,165 773 413 4,526 662 23 483 7 101 3,775 729 300 4,102 602 13 383 7 146 4,106 822 366 12 368 22 12 368 416 602 13 383 123 366 12 368 16 15 213 416	13,52		tion	ports	ports	tion	tion	ports	ports	tion	tion	ports	ports	tion	tion	ports	ports	tion	sumption	ports	ports		
3,365 7,99 2,52 3,919 5,919 7,919 4,719 4	2,0	က္ခ	11,230	1,610	554	12,287	6,233	829	148	6,914	1,070	69	ო -	1,137	3,176	701	213	3,665	560	- +	191	7 2	- t
3,539 705 200 3,994 515 13 411 2 101 3,639 705 200 4,324 600 13 383 2 146 4,165 773 413 4,162 602 13 383 2 146 3,735 772 4162 602 13 388 2 146 3,745 729 306 4,162 602 13 388 2 146 3,745 600 31 4,01 51 6 502 2 150 3,746 600 31 4,02 420 428 1 420 50 240 3,745 626 304 4,52 428 4 </td <td>13.2</td> <td>0 4</td> <td>11,332</td> <td>1,679</td> <td>77.2</td> <td>12 179</td> <td>6.037</td> <td>816</td> <td>197</td> <td>0,007</td> <td>1,10</td> <td>2 6</td> <td>t </td> <td>1,130</td> <td>3,365</td> <td>502</td> <td>253</td> <td>3,822</td> <td>515</td> <td>5 5</td> <td>315</td> <td>z</td> <td>47</td>	13.2	0 4	11,332	1,679	77.2	12 179	6.037	816	197	0,007	1,10	2 6	t	1,130	3,365	502	253	3,822	515	5 5	315	z	47
3861 792 320 4,334 600 13 383 z 146 4,165 773 413 4,525 662 23 438 z 150 3,775 723 4,162 602 23 4,200 495 5 538 z 150 3,775 729 306 4,200 495 5 538 z 167 4,100 822 33 4,200 496 5 538 z 167 3,41 648 304 4529 428 12 423 246 4,100 822 314 4062 375 14 22 24 3,41 648 304 4564 416 420 426 420 426 426 426 426 426 426 426 426 426 426 426 426 426 426 426 426 426 426 426	13,8	51	11,814	1,816	877	12,753	6,112	975	181	906'9	1,238	124	. 9	1,355	3,539	705	280	3,964	515	13	411	z	101
4,165 773 413 4,525 662 23 4,38 z 150 3,678 725 338 4,162 602 13 4,88 z 153 3,678 725 338 4,162 602 13 4,102 602 13 4,102 602 13 366 2,103 240 366 200 13 366 360 38 1 4,23 240 360 360 360 240 360	4,	90	11,963	1,945	901	13,006	2,965	1,001	182	6,784	1,153	138	16	1,276	3,861	792	320	4,334	009	13	383	z	146
3,773 725 336 4,162 602 13 366 2 123 3,698 690 317 4,707 517 6 502 2 157 4,100 822 393 4,529 428 12 423 2 240 3,745 572 314 3602 385 14 427 2 167 3,745 572 314 3602 385 14 427 2 240 3,817 735 309 4,244 385 15 5491 2 246 4,136 792 346 4569 405 21 623 2 246 4,136 792 359 4,569 405 21 526 441 477 441 457 445 445 445 445 446 445 446 445 445 446 446 445 446 445 446 445	15,	163	12,963	2,019	1,084	13,898	6,511	1,089	221	7,379	1,197	133	12	1,318	4,165	773	413	4,525	652	23	438	z	150
3688 690 317 4071 517 6 502 157 3,775 729 306 497 6 502 157 4,106 272 306 4,529 428 12 429 2 3,345 572 314 3,602 385 14 427 2 198 3,715 655 319 4,652 375 13 520 2 240 3,817 785 398 4,689 465 427 2 198 4,136 792 399 4,689 405 2 1 427 2 198 4,139 734 4,61 4,75 4,25 4,25 4,97 4,25 4,97 4,25 4,97 4,25 14 4,27 2 148 4,139 7,44 4,878 4,475 4,45 4,45 4,45 4,45 4,45 4,45 4,45 4,45 4,45	4	744	12,300	2,105	894	13,511	6,182	1,201	184	7,199	1,378	166	ω	1,535	3,773	725	336	4,162	602	13	366	и г	123
3/7.5 7.29 3.05 4,20.0 495 5 5.88 2 216 3,47.5 652 3.04 4,529 495 5 5.88 2 246 3,415 655 3.19 4,052 375 13 5.02 245 3,841 665 3.19 4,052 375 13 5.02 245 4,18 725 3.09 4,569 405 25 491 2 261 4,18 724 4,56 405 3.85 25 491 2 261 4,193 724 4,56 405 15 645 2 2 2 2 4,193 734 4,51 4,475 425 16 405 1 545 2 <td>15</td> <td>,162</td> <td>12,567</td> <td>2,394</td> <td>1,070</td> <td>13,892</td> <td>6,339</td> <td>1,492</td> <td>232</td> <td>7,598</td> <td>1,512</td> <td>206</td> <td>9 7</td> <td>1,700</td> <td>3,698</td> <td>069</td> <td>317</td> <td>4,071</td> <td>517</td> <td>ဖ ၊</td> <td>502</td> <td>7 2</td> <td>157</td>	15	,162	12,567	2,394	1,070	13,892	6,339	1,492	232	7,598	1,512	206	9 7	1,700	3,698	069	317	4,071	517	ဖ ၊	502	7 2	157
4,100 822 393 4,229 428 12 423 240 3,445 572 319 4,022 375 14 427 2 240 3,841 648 304 3,985 385 14 427 2 245 4,136 792 369 4,689 385 15 545 2 245 4,136 792 389 4,689 16 25 491 2 261 4,136 792 389 4,289 16 405 21 625 2491 2 261 4,136 698 428 428 425 16 405 2 2 2 2 4,015 698 428 4285 435 16 405 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	€ ;	503	12,795	2,416	1,204	14,007	6,490	1,516	327	7,679	1,496	165	8 .	1,628	3,775	729	302	4,200	495	ω ^ç	538	1 2	216
3,43,5 5,14,2 5,14,4 5,14,2<	4 5	700,	12,352	4,169	1,1/5	13,340	41.1.0	877,	41.0	7,028	1,287	107	t 4 0	945,1	001,4	822	292	4,529	824	7 7	423	z	0 42
3,17 639 319 4,002 319 4,002 319 4,002 319 4,002 319 4,002 319 4,002 319 4,002 319 319 318 320 4,244 305 4,244 305 4,244 305 4,244 305 4,244 305 4,244 305 4,244 305 1 2,25 491 2 225 4,136 702 3,89 4,569 405 21 623 2 226 4,136 4,81 4,475 4,45 4,65 4,65 16 4,65 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 4 4 4,75 4,45		3,233	11,317	1,747	1,090	11,974	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	1,036	282	6,635	1,277	57	4 6	3,338	3,345	2/5	41.0	3,602	382	- (427		2 20
3641 765 764 765 764 765 764 765 764 765 764 765 764 765 764 765 767 764 765 767 767 767 767 764 415 26 76 767 764 415 26 76 76 475 475 426 76 76 475 475 475 46 76 76 76 475 475 46 76 76 76 478 476 76 76 76 76 77 </td <td>- 7</td> <td>4,263</td> <td>12,102</td> <td>2,121</td> <td>1,193</td> <td>13,031</td> <td>6,020</td> <td>1,298</td> <td>282</td> <td>7 995</td> <td>1,466</td> <td>134</td> <td>200</td> <td>1,562</td> <td>3,715</td> <td>022</td> <td>5 S</td> <td>4,052</td> <td>3/5</td> <td><u>ي</u> ا</td> <td>220</td> <td>z</td> <td>242</td>	- 7	4,263	12,102	2,121	1,193	13,031	6,020	1,298	282	7 995	1,466	134	200	1,562	3,715	022	5 S	4,052	3/5	<u>ي</u> ا	220	z	242
4,18 7,24 3,69 4,669 405 1,9 3,40 2,42 41,6 2,60 2,7 2,80 4,44 41,6 2,0 2,2 2,7 2,80 4,669 405 1,0 405 2,2 2,7 4,1 4,7 4,1 4,7 4,1 4,7 4,1 4,7 4,1		5,382	12 030	2,513	1,089	13,834	0,401	1,092	207	700 8	1,551	24 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	9 4	1,0/4	3.04	048 735	400	3,985	305	ς τ	- 64 - 45 - 45	z	- 22
4249 765 510 4,504 415 20 522 2 278 4,193 734 451 4,475 425 16 405 2 278 4,193 734 451 4,475 425 16 405 2 278 4,195 688 428 4,585 435 19 513 2 778 4,397 880 427 445 26 56 2 178 4,397 918 419 4,889 465 13 659 2 176 4,806 972 514 6,263 475 13 657 7 144 4,807 1,012 530 5,368 495 13 657 7 144 4,914 4,65 567 495 13 657 144 4,887 1,012 530 5,430 510 11 767 2 158		6,440	13 221	2 758	1.380	14.599	6,516	1,808	366	7.958	1541	137	3 6	1,729	4 136	262	359	4.569	405	5 2	623	z	280
4,193 734 451 4,475 425 16 405 2 220 4,015 698 428 428 435 19 513 2 178 4,247 880 419 4,878 445 26 56 2 156 4,347 880 419 4,815 445 56 2 156 178 4,806 972 514 6,263 475 13 569 2 156 4,871 1,012 530 5,368 495 13 667 2 156 4,871 1,022 614 4889 465 13 667 2 156 4,971 1,022 617 5,638 495 13 657 2 158 5,194 1,022 607 5,453 56 4 674 2 168 5,274 3,69 745 5,488 551 2 673		15,640	12,073	2.390	1,469	12,995	5.623	1.524	407	6.739	1.265	. 18	30	1,316	4.249	765	510	4.504	415	; 50	522	z	278
4,015 698 428 4,285 435 19 513 7 178 4,237 766 444 4,578 445 26 560 2 156 4,330 918 412 4,815 465 16 615 2 156 4,806 972 514 5,683 465 13 657 2 156 4,807 1,012 530 5,388 495 13 657 2 158 4,807 1,022 607 5,483 510 11 767 2 158 5,738 1,022 607 5,483 510 1 674 2 168 5,739 1,022 607 5,483 562 4 674 2 188 5,739 1,022 607 5,483 562 4 674 2 188 5,739 1,012 607 5,483 561 7 524 </td <td></td> <td>15,312</td> <td>11,456</td> <td>2,345</td> <td>1,306</td> <td>12,495</td> <td>5,158</td> <td>1,497</td> <td>397</td> <td>6,258</td> <td>1,275</td> <td>66</td> <td>53</td> <td>1,321</td> <td>4,193</td> <td>734</td> <td>451</td> <td>4,475</td> <td>425</td> <td>16</td> <td>405</td> <td>z</td> <td>220</td>		15,312	11,456	2,345	1,306	12,495	5,158	1,497	397	6,258	1,275	66	53	1,321	4,193	734	451	4,475	425	16	405	z	220
4.267 766 444 4,578 445 26 560 2 156 4,377 880 412 4,815 455 24 559 2 145 4,380 918 419 4,889 465 16 559 2 145 4,887 1,012 530 5,388 495 13 657 2 144 4,877 1,021 563 5,483 565 6 753 2 158 5,038 1,022 607 5,453 565 6 753 2 168 5,134 1,022 607 5,453 565 6 753 2 168 5,398 1,022 607 5,453 565 6 753 2 168 5,398 1,022 607 5,458 567 7 548 2 173 460 5 18 2 174 479 479 479		15,865	11,316	2,317	1,309	12,324	5,133	1,478	332	6,279	1,220	122	35	1,307	4,015	869	428	4,285	435	19	513	z	178
4,347 880 412 4,815 455 24 559 2 145 4,390 918 419 4,889 465 16 615 2 144 4,806 972 514 4,889 465 16 615 2 144 4,877 1,012 553 5,368 495 13 567 2 151 5,038 1,022 607 5,463 556 6 753 2 218 5,134 1,022 607 5,468 561 7 524 2 28 5,286 1,022 675 560 7 524 2 28 5,786 1,022 675 5,48 561 7 524 2 2 16 5,786 1,026 723 5,608 517 1 44 44 1 4 44 1 4 44 4 4 4 4		17,703	12,866	2,872	1,432	14,306	6,121	1,902	384	7,638	1,483	179	44	1,618	4,257	992	444	4,578	445	56	260	z	156
4390 918 419 4,889 465 16 615 z 144 4887 1,012 53.88 475 13 565 z 151 4887 1,012 53.88 475 13 565 z 151 5,038 1,022 55.88 5430 510 1 7 2 158 5,134 1,038 645 5,587 562 4 674 z 288 5,134 1,038 645 5,587 562 4 674 z 288 5,136 992 745 5,488 551 2 602 2 332 5,289 992 800 5,560 546 7 548 7 324 325 5,890 1,245 904 6,231 387 13 451 19 377 5,801 1,248 904 6,231 387 13 451 441 <td></td> <td>18,767</td> <td>13,346</td> <td>3,144</td> <td>1,349</td> <td>15,141</td> <td>6,491</td> <td>2,080</td> <td>350</td> <td>8,220</td> <td>1,493</td> <td>161</td> <td>28</td> <td>1,627</td> <td>4,347</td> <td>880</td> <td>412</td> <td>4,815</td> <td>455</td> <td>24</td> <td>559</td> <td>z</td> <td>145</td>		18,767	13,346	3,144	1,349	15,141	6,491	2,080	350	8,220	1,493	161	28	1,627	4,347	880	412	4,815	455	24	559	z	145
4806 972 514 5,263 475 13 585 2 151 4887 1,012 530 5,388 495 13 657 2 158 4977 1,021 563 5,430 56 1 77 2 158 5,194 1,022 607 5,453 556 6 7 2 178 5,194 1,038 645 5,687 562 4 674 2 188 5,194 1,038 645 5,687 562 4 674 2 188 5,195 989 745 5,488 551 2 602 2 332 5,896 1,245 560 546 7 524 2 326 5,809 1,245 5,488 551 1 451 19 377 5,809 1,245 304 6,231 387 13 451 19 376		18,840	13,358	3,404	1,376	15,386	6,404	2,275	317	8,362	1,485	194	25	1,654	4,390	918	419	4,889	465	16	615	z	44
4 887 1,012 530 5,368 495 13 657 2 158 4 971 1,021 563 5,430 510 11 767 2 158 5,038 1,022 643 5567 565 4 674 2 288 5,194 1,022 645 5,687 566 4 674 2 288 5,369 992 800 5,680 571 15 460 5 326 5,803 1,102 723 5,688 517 15 460 5 326 5,804 1,265 904 6,231 387 15 460 5 326 356 5,807 1,144 890 6,524 342 18 422 12 414 5,807 1,250 929 6,128 330 20 384 4 4 424 5,807 1,355 818 6,134 <t< td=""><td></td><td>19,942</td><td>14,569</td><td>3,379</td><td>1,538</td><td>16,409</td><td>7,105</td><td>2,196</td><td>394</td><td>8,907</td><td>1,598</td><td>199</td><td>45</td><td>1,751</td><td>4,806</td><td>972</td><td>514</td><td>5,263</td><td>475</td><td>13</td><td>582</td><td>z</td><td>151</td></t<>		19,942	14,569	3,379	1,538	16,409	7,105	2,196	394	8,907	1,598	199	45	1,751	4,806	972	514	5,263	475	13	582	z	151
4,971 1,021 563 5,430 510 11 767 2 218 5,038 1,022 607 5,453 565 6 753 2 211 5,194 1,038 645 5,587 565 6 753 2 271 5,394 1,038 645 5,488 561 7 524 2 351 5,286 1,065 723 5,608 517 15 460 5 352 5,809 1,102 77 5,408 517 15 460 5 352 5,807 1,144 890 6,5924 342 18 422 14 474 5,807 1,244 890 6,924 342 18 422 14 444 5,807 1,340 776 6,223 300 72 422 12 446 5,807 1,348 776 6,034 320 73		19,992	15,290	3,528	1,755	17,063	7,611	2,263	510	9,364	1,639	240	22	1,823	4,887	1,012	230	5,368	495	13	657	z	158
5,038 1,022 607 5,453 555 6 753 271 6,794 1,038 645 5,587 565 6 753 2 271 6,795 992 745 5,488 561 7 524 2 351 5,366 1,065 723 5,608 517 15 460 5 352 5,403 1,102 77 5,748 401 18 429 14 354 5,804 1,245 904 6,324 342 18 422 12 416 5,807 1,446 890 6,924 342 18 422 12 416 5,807 1,340 736 6,924 342 18 422 14 424 5,807 1,340 736 6,934 320 20 344 424 424 5,807 1,448 776 6,233 300 72 422		19,588	15,514	3,279	2,106	16,687	2,667	2,045	704	600'6	1,598	201	72	1,728	4,971	1,021	563	5,430	510	7	167	и и	218
5,74 1,036 045 5,367 0 4 0,14 2,036 5,386 992 745 5,486 551 7 524 2 332 5,386 1,065 723 5,608 541 1 6 2 351 5,603 1,102 77 5,748 941 18 429 14 354 5,803 1,102 757 5,748 941 18 422 12 351 5,804 1,245 904 6,314 395 20 34 4		19,454	15,611	3,376	2,382	16,604	7,541	2,225	655	9,112	1,454	114	97	1,471	5,038	1,022	607	5,453	555	ω •	753	2 2	27.1
5,269 902 745 5,480 544 2 351 5,286 1,082 723 5,608 517 15 460 5 351 5,286 1,082 723 5,608 517 15 460 5 326 5,803 1,102 757 5,748 401 18 429 14 354 5,807 1,245 904 6,231 387 13 451 19 377 5,807 1,344 806 6,128 330 20 384 4 424 5,807 1,348 6,314 305 30 316 7 414 5,817 1,448 776 6,223 300 72 422 409 5,533 1,448 776 6,034 30 7 424 444 5,807 1,404 786 6,034 30 7 429 14 156 5,200		19,097	10,409	2,044	2,300	10,137	7.000	1,900	000	0,00,0	7 26 7	6 6	S 4	014,1	0,194	050,1	246	700,0	202	4 c	4 600	z	0 0
5,286 1,02 723 5,608 517 15 460 5 326 25 5,608 517 16 460 5 326 5 5,608 517 11 460 5 326 2 5 326 5 326 5 326 <		18,140	15,067	3.056	2,419	15,210	6 982	1,010	561	0,203	1 294	100	106	1 288	5,273	606	2 6	5,490	546	۷ ۲	524	0	35.1
5,403 1,102 757 5,748 401 18 429 14 354 2 5,890 1,245 904 6,231 387 13 451 19 377 2 5,808 1,246 904 6,231 387 13 451 19 377 2 5,808 1,250 929 6,128 330 20 384 4 444 1 444 1 444 1 444 1 444 1 444 1 444 444 1 444 1 444 1 444 4 444 1 444 4 444 1 444 4 444 1 444 4 444 1 444 4 444 1 444 4 444 4 444 4 444 4 444 4 444 4 444 4 444 4 444 4 444 <		18.481	14.756	3.423	2.142	16.037	6.894	2.238	533	8.599	1.293	9 0	100	1.293	5.266	1.065	723	5.608	517	, 15	460	1 12	326
5,890 1,245 904 6,231 387 13 451 19 377 2 5,871 1,144 890 5,924 342 18 422 12 416 19 377 2 5,808 1,250 929 6,128 330 20 384 4 424 1		18,688	14,991	3,636	2,140	16,487	7,085	2,409	514	8,979	1,320	94	86	1,328	5,403	1,102	757	5,748	401	18	429	4	354
5,671 1,144 890 5,924 342 18 422 12 416 5,808 1,250 929 6,128 330 20 384 4 424 1 5,807 1,355 818 6,031 300 11 7 416 1 424 1 444 1 444 1 444 1 444 1 444 1 444 1		19,060	15,265	3,929	2,284	16,910	6,857	2,545	462	8,939	1,303	107	88	1,321	5,890	1,245	904	6,231	387	13	451	19	377
5,808 1,250 929 6,128 330 20 384 4 424 1 5,877 1,343 736 6,091 306 37 316 7 414 1 5,487 1,340 776 6,223 300 72 422 2 356 5,538 1,438 776 6,223 300 72 402 2 356 1 5,338 1,438 742 6,034 320 73 403 1 266 1 5,374 1,404 768 5,873 317 86 388 2 188 1 266 1 1 266 1 1 266 1 1 266 1 1 266 1 1 266 1 1 266 1 1 266 1 1 2 1 2 1 2 3 3 3 3 3 3		18,698	15,107	3,935	2,269	16,774	6,975	2,664	454	9,185	1,281	26	87	1,291	5,671	1,144	890	5,924	342	18	422	12	116
5,807 1,353 818 6,314 305 30 316 7 414 1 6,487 1,340 775 6,091 298 47 326 2 409 1 5,551 1,448 776 6,223 300 72 422 2 409 1 5,381 1,438 742 6,034 320 73 403 1 266 1 266 1 266 1 266 1 266 1 266 1 266 1 266 1 1 4 1 266 1 266 1 266 1 1 266 1 266 1 266 1 266 1 1 3 1 1 3 1 3 3 2 1 1 3 2 1 266 1 266 1 1 3 3 3 3 3 3 3		18,834	15,368	4,063	2,297	17,134	7,210	2,675	457	9,428	1,213	114	103	1,224	5,808	1,250	929	6,128	330	50	384	4	124
5,487 1,340 735 6,091 298 47 326 2 409 1 5,551 1,448 776 6,223 300 72 422 2 365 1 5,338 1,448 776 6,223 300 72 403 1 2 365 1 365 1 365 1 365 1 365 1 1 365 1 1 365 1 188		19,222	15,264	4,284	1,957	17,590	7,222	2,791	354	9,658	1,201	131	22	1,277	5,807	1,353	818	6,314	305	30	316	7	114
5,551 1,448 776 6,223 300 72 422 2,355 1 5,338 1,438 742 6,034 320 73 403 1 265 1 5,084 1,536 643 5,977 318 86 388 2 188 1 5,000 1,580 678 6,103 318 73 366 5 168 1 155 5,020 1,580 678 6,103 318 73 366 5 168 1 155 1 5,020 1,580 678 6,103 318 73 366 5 168 1 155 1		19,373	15,260	4,423	1,935	17,748	7,533	2,884	410	10,007	1,208	151	22	1,304	5,487	1,340	735	6,091	298	47	326	7	60‡
5.336 1,438 742 6,034 320 73 443 1 269 5.237 1,404 768 5,873 317 86 388 2 188 1 5.620 1,580 678 6,103 318 73 366 5 168 1 5,172 1,544 708 6,008 318 73 366 5 168 1 5,172 1,549 708 6,008 318 113 345 9 166 1 4,660 1,269 771 5,358 290 94 339 4 151 1 4 4,474 923 821 4,788 290 35 313 5 257 1 4,501 900 860 4,541 294 28 30 9 196 1 4,478 920 864 899 4,442 294 30 485 9 196		19,401	15,199	4,619	2,039	17,779	7,384	2,943	435	9,892	1,187	154	51	1,290	5,551	1,448	776	6,223	300	75	422	7 7	355
5,084 1,536 643 5,977 318 80 356 4 155 1508 1,580 678 6,103 318 73 366 5 168 155 157 1,580 678 6,103 318 73 366 5 168 155 157 1,544 708 6,008 318 113 345 9 166 15 158 15 15 15 15 15 15 15 15 15 15 15 15 15		18,973	14,400	0.60,4	1,807	17,352	7,052	3,007	9 C	9,099	1,088	0/0	ر د د د	1,225	0,558	864,1	747	6,034	320	2 8	504	- c	000
5,000 1,580 678 6,103 318 73 366 5 168 1 5 108 5,172 1,544 708 6,008 318 113 345 9 166 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		19,007	14,074	5,003	1,735	17.591	7 110	3,103	347	9 956	1,007	240	3 5	1 257	5.084	+, + +, +, +, +, +, +, +, +, +, +, +, +, +, +	643	5,077	318	8 8	356	1 4	3 12
5,172 1,544 708 6,008 318 113 345 9 166 5,652 1,460 693 5,820 320 94 339 4 151 4,860 1,289 7,71 5,388 325 67 35 32 56 4,474 923 821 4,575 294 28 322 9 196 196 4,571 900 860 4,541 294 28 322 9 196 196 4,778 864 899 4,442 294 30 485 9 235 1		20.351	14.697	5.717	1.602	18.811	7.563	3.704	348	10.919	1.082	354	43	1.393	5.200	1.580	678	6.103	318	73	366	. 12	168
5,052 1,460 693 5,820 320 94 339 4 151 4,860 1,269 771 5,358 325 67 350 3 205 11 4,548 1,068 818 4,798 290 35 313 5 257 1 4,474 923 821 4,575 294 28 322 9 196 196 4,501 900 860 4,541 294 32 407 9 235 1 4,478 864 899 4,442 294 30 485 9 235 1		20,463	14,750	5,782	1,618	18,913	7,680	3,744	362	11,063	1,068	373	37	1,403	5,172	1,54	208	6,008	318	113	345	6	991
4,860 1,269 771 5,358 325 67 360 3 205 1 4,548 1,068 818 4,798 290 35 313 5 257 1 4,774 923 821 4,575 294 28 322 9 196 1 4,501 900 860 4,541 294 32 407 9 235 1 4,478 864 899 4,442 294 30 485 9 235 1		19,616	14,356	5,312	1,607	18,061	7,505	3,415	390	10,530	686	339	35	1,293	5,052	1,460	693	5,820	320	94	339	4	151
11,549 3,187 1,779 12,957 5,395 1,894 345 6,945 745 184 45 884 4,548 1,068 818 4,798 290 35 313 5 257 1 1 10,478 2,453 1,661 11,270 4,576 1,347 2,88 5,636 616 146 34 728 4,474 923 821 4,575 294 28 322 9 196 1 10,660 2,523 1,791 11,392 4,569 1,422 234 5,757 655 161 55 760 4,501 900 880 4,541 2,94 32 407 9 235 1 10,94 2,469 2,058 11,505 4,950 387 5,966 653 163 52 74 4,478 864 899 4,442 2,94 30 4,85 9 235 1 11,675 4,978 1,978 1,1505 4,978 1,1505 1,1505 4,978		17,785	13,560	4,345	1,726	16,180	6,921	2,743	329	9,305	868	264	40	1,122	4,860	1,269	771	5,358	325	29	320	ဗ	505
4474 923 821 4,575 294 28 332 9 196 1 4,501 900 860 4,541 294 32 407 9 235 1 4,478 864 899 4,442 294 30 485 9 235 1		14,467	11,549	3,187	1,779	12,957	5,395	1,894	345	6,945	745	184	45	884	4,548	1,068	818	4,798	290	32	313	2	257
4,501 900 860 4,541 294 32 407 9 235 1 4,478 864 899 4,442 294 30 485 9 235 1		12,670	10,478	2,453	1,661	11,270	4,576	1,347	288	5,636	616	146	34	728	4,474	923	821	4,575	294	78	322	o (961
253 8 604 06 487 744, 860 400 0/4,4		12,792	10,660	2,523	1,791	11,392	4,569	1,422	234	5,757	655	161	22	760	4,501	900	860	4,541	294	32	407	o c	235
	- 4	12,900	11,034	2,409	000,7	COC,11	4,900	1,403	700	006,0	0000	501	20	104 104	0/4,	900	660	4,442	467	90	604	n.	222
	ල :	e logs, pole	s and piling	, fence pos	sts, hewn tie	s, round mine	e timbers, box	k bolts, excers	sior bolts, cn	emical wood	, shingle t	olts, and	miscella	neous items.									
je logs, poles and piling, tence posts, hew ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.		wood chips	are not incl	uded in tot	iai productic	c:																	
s logs, poles and pling, fence posts, hewr lites, round mine timbers, box botts, excelsior botts, chemical wood, shingle botts, and miscellaneous items. And other pare not included in lotal production.	-	WOOD LOST	3 = 3 = 3 = 3 = 3 = 3 = 3 = 3 = 3 = 3 =	חממת ייי די	ė. D																		
"Includes cooperage logs, poles and piling, fence posts, hewn ites, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. Prior to 1989, pulwwood chips are not included in total production. Not available Not available																							

Table 55—Production, imports, exports, and consumption of timber products, by major product, 1965–2011 (thousand cubic meters, roundwood equivalent) a Industrial roundwood use

I	All products			Total				Lumbe	Jec			Plywood and veneel	d veneer		۵	sed-passage	Pulpwood-based products		products, production	Logs	_e sc	Pulpwood chip	d chip ⁶	produc- tion and
	Produc- Consumo-	ump- Broduc-			Ë×	Consumo-	Produc-	щ	×	Consump-	Produc-	-ml		Consumo-	Produc-	-hl	Ex-	Consumo-	and con-	i u	Ex-	Ė	×	-000
				"		tion .	tion	ports	borts	tion .	tion	ports	ro	tion	tion	ports ^b	ports	tion .	sumption	ports	ports	ports	ports	sumption
		313 318,010				347,920	176,489	23,473	4,185	195,777	30,305	1,941	74	32,194	89,947	19,855	6,018	103,784	15,858	308	5,413	z	509	29,393
						355,617	176,197	23,402	5,149	194,450	31,672	2,318	117	33,878	96,051	21,389	6,583	110,857	15,999	433	6,301	N I	491	29,450
					21,874	344,882	170,941	23,101	5,592	188,450	31,153	2,300	196	33,278	95,287	20,087	7,153	108,221	14,583	349	8,933	7	1,329	30,186
	_				4,844	361,118	173,064	27,605	5,118	195,551	35,044	3,498	161	38,368	100,213	19,977	7,933	112,257	14,583	358	11,632	v .	2,850	31,092
					25,522	368,297	168,918	28,336	5,150	192,105	32,646	3,916	55 6	36,119	109,334	22,441	9,063	122,712	16,990	3/1	10,855		4,129	31,149
	407,151 429,369			57,160 30	30,700	393,548	184,380	30,829	6,250	208,959	33,884	3,778	948	37,328	117,931	21,899	11,686	128,144	18,463	654	12,415		4,257	35,821
						382,603	175,057	34,001	5,208	203,850	39,010	4,692	738	43,479	106,831	20,520	9000	117,845	17,047	380	798,7		484	34,915
					30,290	393,369	179,490	42,236	6,565	215,162	42,805	5,831	519	48,125	104,705	19,536	776'8	115,264	14,640	8/1	14,229		444	35,963
					34,104	396,619	183,771	42,938	9,273	217,436	42,371	8/9/4	946	46,101	016,901	20,639	8,635	518,811	710,41	152	15,247		6,128	34,037
						377,914	173,140	34,767	8,894	199,013	36,442	3,039	1,281	38,193	116,108	23,272	11,138	128,242	12,120	347	11,969		908'9	37
						339,077	166,608	29,345	8,069	187,884	36,163	3,551	1,812	37,897	94,712	16,197	8,903	102,006	10,902	387	12,080		5,594	35,651
						368,986	170,639	36,768	8,364	199,042	41,515	4,369	1,681	44,217	105,204	18,559	9,026	114,738	10,619	370	14,721		6,949	34,887
						395,134	182,953	47,914	7,581	223,287	43,933	4,194	84 5	47,398	103,103	18,354	8,610	112,847	10,902	9 5	13,904		1,377	40,440
						413,161	186,505	126,92	010,0	232,410	926,44	627,4	5 6	48,905	108,088	81.870	8,743	120,163	11,185	954	15,442		605,0	20 0
	. .					413,386	184,521	781,16	10,366	225,343	43,630	3,873	903	46,607	011,111	22,428	271,01	129,365	11,468	209	7,652		7,920	63,137
1980 47	424,671 442,903				41,590	307,993	159,213	43,102	11,536	190,839	35,815	2,285	450	37,257	120,327	40,12	14,430	127,367	11,752	2/0	0//,41	z	\$ 60,0	75,910
		030 324,400		00,410 37		333,030	146,036	44,000	242,11	202,111	30,034	2,733	764,	37,403	110,734	27,702	12,730	126,760	12,033	0 0	1, t	Z	247	2 5
						349,060	140,041	500,14	9,403	246.273	42,004	2,404	333	37,013	13,703	19,701	12,134	120.051	12,510	247	14,031	z	0,030	≦ 8
					38 200	403,474	183 708	58.87	000,00	212,012	42,007	7,007	707	45,626	123 106	24 023	116,21	136 085	12 884	7 47	15,830	z	024,4	102,660
						436,869	181 337	64.425	8908	236.793	42.040	5,500	5 6	46,839	124.309	26,75	11,077	139,621	13.167	450	17.408	z	1,00	5 6
						466 776	201 204	62 180	11 156	252,733	45.242	5,500	1 282	49.585	136.088	27.517	14.568	151 157	13.451	356	16.558	z	4 275	5 5
						485.853	215.532	64 072	14 451	265 153	46.423	6,802	1,605	51,620	138.372	28.653	15,026	154,689	14.017	374	18,613	z	4 483	82 944
					59.640	475 450	217,114	57 908	19 922	255,100	45.262	5 703	2 042	48 923	140 772	28 921	15 944	156.676	14 442	300	21 733	z	6 167	8
						473.313	213 540	63 005	18.534	258,133	41 164	3.242	2,755	41.650	142 648	28.952	17.208	157 549	15.716	178	21.316	z	7 672	80 703
						461,966	207,204	53,945	16,689	244,460	40,292	2,733	3,093	39,933	147,086	29,391	18,297	161,530	15,914	105	19,083	z	8,165	8
	529,553 545,608					442,648	199,322	51,250	18,286	232,286	35,885	2,344	2,681	35,548	149,360	27,437	21,126	159,138	15,603	62	17,035	×	9,387	102,961
						450,987	197,700	55,366	15,888	237,178	36,653	2,832	3,001	36,485	152,026	28,081	22,695	161,590	15,472	197	14,852	64	9,949	80,703
					689'09	458,545	195,211	63,361	15,085	243,487	36,628	2,827	2,837	36,618	149,108	30,160	20,499	163,221	14,643	425	13,028	150	9,240	69,207
						471,757	200,618	68,203	14,552	254,268	37,378	2,657	2,436	37,599	152,983	31,215	21,457	167,645	11,355	200	12,155	390	10,015	62
						484,162	194,168	72,065	13,094	253,139	36,883	3,035	2,515	37,403	166,800	35,261	25,634	181,763	10,959	364	12,773	534	10,682	60,882
						481,671	197,505	75,443	12,845	260,103	36,275	2,752	2,458	36,570	160,587	32,383	25,222	174,452	9,684	521	11,938	341	11,789	54,482
						493,486	204,169	75,744	12,950	266,964	34,357	3,234	2,930	34,660	164,461	35,385	26,322	181,839	9,345	218	10,862	101	11,994	48,139
						510,365	204,493	79,022	10,036	273,478	33,999	3,700	1,553	36,147	164,423	38,313	23,642	191,078	8,637	839	8,958	186	11,711	46,213
1999 47	478,136 560,904	904 432,121		125,248 55		514,899	213,317	81,653	11,602	283,368	34,199	4,277	1,563	36,914	155,362	37,940	21,230	184,791	8,438	1,333	9,232	5 t	11,572	46,015
	467 989 550 183				51,578	504 281	100,602	85.153	10 176	274 657	30,819	4 073	003	34 698	151,137	40,330	21.433	183 786	0,490	2,030	11,411	8 8	7.466	45,930
						496.870	204.352	89.323	10.156	283.519	30,222	6.310	972	35.560	148.310	39.768	21.758	166.320	8.989	2.431	11,000	5 2	5.351	43.042
						498,128	201,321	90,417	9,828	281,910	29,785	6,794	991	35,589	143,969	43,485	18,204	169,250	9,005	2,253	10,075	122	4,381	42,900
2004 45	459,769 576,272	272 416,161		161,874 45		532,664	214,161	104,893	9,847	309,207	30,630	10,029	1,212	39,447	147,254	44,754	19,201	172,807	9,005	2,054	10,357	143	4,755	43,608
2005 46	461,554 579,463	463 417,663		163,739 45	45,830	535,572	217,487	106,027	10,242	313,272	30,233	10,560	1,058	39,735	146,461	43,714	20,053	170,122	9,005	3,189	9,771	250	4,705	43,891
	450,556 555,462	462 406,523		150,420 45	45,514	511,429	212,524	96,692	11,044	298,173	27,996	609'6	983	36,622	143,064	41,345	19,610	164,799	9,061	2,652	9,591	122	4,286	44,033
						458,162	195,988	77,661	10,169	263,480	25,433	7,475	1,141	31,767	137,632	35,921	21,825	151,727	9,203	1,892	9,914	93	5,813	45,449
						366,902	152,776	53,639	9,764	196,650	21,103	5,204	1,284	25,023	128,784	30,254	23,168	135,870	8,212	966	8,873	152	7,285	42,759
						319,138	129,592	38,155	8,160	159,586	17,454	4,135	964	20,626	126,683	26,130	23,252	129,561	8,311	804	9,120	250	5,537	39,644
						322,583	129,393	40,254	9,643	163,011	18,544	4,547	1,566	21,525	127,444	25,488	24,345	128,586	8,311	901	11,513	250	6,651	39,644
2011 35	353,790 365,431	431 314,146		69,911 58	58,270	325,785	140,161	39,737	10,946	169,952	18,505	4,609	1,479	21,635	126,790	24,464	25,465	125,789	8,311	850	13,728	250	6,651	39,644
U.S. Depa	¹ U.S. Department of Agriculture, Forest Service (22); U.S International Trade Commision(83); Data may not add to totals because of rounding; Data have been revised	culture, Fores	t Service (22); U.S In	nternations	Il Trade Com	ımision(83);	Data may	not add to	totals becaus	e of rounding	j; Data hav€	e been rev	sed.										
Includes p	^b includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.	he pulpwood	equivalen	t of wood p	oulp and pa	aper and bos	ırd.																	
Includes c	Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.	, poles and p	iling, fence	e posts, her	wn ties, ro	und mine tin.	bers, box b	olts, excels	ior bolts, α	themical wood	I, shingle bol	ts, and miso	sellaneous	items.										
Prior to 19	Prior to 1989, pulpwood chips are not included in total production	chips are not	included i.	n total proc	duction.																			
Prior to 20	Prior to 2000, Pulpwood Logs are not included in Logs	Logs are not	included ii	n Logs.																				
Not available	ble.																							
Davisad																								

Table 6a—Production, imports, exports, and consumption of softwood timber products, by major product, 1965–2011 (million cubic feet, roundwood equivalent)

Part	Coltean	Products					Other industrial			
Industrial Ind	Products Production Produ	Industrial products	Product Prod				industrial			
Products Product Products Products Products Products Product	March Pulpwood-based products Products Product Pulpwood-based products Pulpwood-based products Pulpwood-based products Product Pulpwood-based products Product Pulpwood-based products Product Pulpwood Product Pulpwood Product Pulpwood Pulpw	Products Product Products Products Products Products Products Product	Particular Par							
Marian Pullymood-based products Product	Product	Color Colo	Victorio Committo Probation Committo Probati				products,			
Honduc Inh Ek- Consump- and con- Inh- Ek- Hond Lion ports* ports* ports* Inh- montanition* ports ports*	postupo Inn Ex. Consump and control 1000 160 posts tion sout sout 1003 2451 510 165 2,668 300 1103 2451 518 184 2,791 285 1103 2458 518 184 2,791 285 11049 24812 577 233 3,165 330 11049 24812 577 233 3,165 330 11049 22812 577 233 3,165 330 1404 2623 489 226 284 287 1444 2,781 560 245 3,045 346 1444 2,833 409 225 2,847 246 1446 2,833 409 225 2,847 246 1446 2,833 409 225 2,846 246 1446 2,732 246 148 <t< th=""><th>Production IIII Ex- Consumption not IIII Ex- 1607 2313 510 168 2.829 300 2 178 1003 2,451 546 168 2.829 300 2 178 1033 2,451 546 168 2.829 300 2 178 1131 2,652 518 184 2.791 2.86 5 5 1143 2,662 518 2.829 300 2 178 1143 2,662 518 2.829 300 2 178 1144 2,812 577 233 3,155 393 17 477 1147 2,802 587 313 3,265 300 17 477 1,174 2,803 565 277 2,894 287 147 2894 287 147 1,178 2,804 456 2,12 2,894 287</th><th> No. No. No. No. No. No. No. No. No. No.</th><th></th><th>ulpwood-based pro</th><th>ducts</th><th>production</th><th>Logse</th><th>Pulpwood</th><th>chip</th></t<>	Production IIII Ex- Consumption not IIII Ex- 1607 2313 510 168 2.829 300 2 178 1003 2,451 546 168 2.829 300 2 178 1033 2,451 546 168 2.829 300 2 178 1131 2,652 518 184 2.791 2.86 5 5 1143 2,662 518 2.829 300 2 178 1143 2,662 518 2.829 300 2 178 1144 2,812 577 233 3,155 393 17 477 1147 2,802 587 313 3,265 300 17 477 1,174 2,803 565 277 2,894 287 147 2894 287 147 1,178 2,804 456 2,12 2,894 287	No.		ulpwood-based pro	ducts	production	Logse	Pulpwood	chip
tion tion ports ³ ports ³ tion sumption ports ports 857 2333 510 155 2688 300 2 178 z 1131 2682 510 300 2 178 z 300 z 1131 2662 518 184 2791 2281 5 300 z 1131 2662 518 184 2791 2281 5 300 z 11049 2302 548 313 3286 5 300 z 11049 2302 548 314 2281 14 40 z 300 z 1470 2603 540 212 294 284 334 2 300 z 44 300 z 44 <th> 1.2. </th> <th>thon thon thon ports³ thon sumptibles ports ports</th> <th>Year Figh <th< th=""><th></th><th></th><th></th><th></th><th></th><th>뇹</th><th>Ė</th></th<></th>	1.2. 1.2.	thon thon thon ports ³ thon sumptibles ports	Year Figh Figh <th< th=""><th></th><th></th><th></th><th></th><th></th><th>뇹</th><th>Ė</th></th<>						뇹	Ė
967 2,313 510 155 2,688 300 2 178 2 961 2,451 546 168 2,829 310 7 210 2 1131 2,602 518 206 2,914 2,815 30 7 371 2 1,404 2,812 577 233 3,155 330 7 371 2 1,404 2,823 3,645 330 7 371 2 300 2 10 7 210 2 1,404 2,823 3,646 2,87 3,346 3 7 371 3 1,404 2,823 3,640 2,87 3,046 2,87 3,046 487 2 487 3 1,404 2,823 469 2,26 2,87 3,048 2 487 2 487 3 1,404 2,823 468 2,14 2,804 2 487 2	967 2,313 510 155 2,668 300 1,003 2,451 546 168 2,829 310 991 2,458 518 184 2,791 285 1,049 2,602 518 206 2,914 281 1,049 3,052 587 313 3,326 353 1,278 2,602 530 245 3,045 334 1,377 2,603 501 210 2,884 284 1,171 2,823 566 270 3,118 256 1,171 2,823 566 270 3,118 256 1,164 2,893 409 225 2,877 236 1,160 2,833 409 225 2,877 236 1,164 2,791 2,67 3,67 3,67 3,67 1,169 2,833 409 225 2,877 2,84 1,170 2,834 277	967 2,313 510 155 2,668 300 2 1003 2,451 546 168 2,823 310 7 991 2,458 518 144 2,791 286 310 7 1039 2,612 571 206 2,791 286 300 7 1109 3,052 587 313 3,256 333 17 7 1109 3,052 587 233 3,155 330 7 1109 3,052 587 234 3,226 333 17 1,171 2,823 469 225 2,884 287 17 1,174 2,823 566 270 2,148 2,894 287 17 1,174 2,823 566 277 2,894 240 27 244 287 17 1,178 2,824 469 225 2,874 240 17 18	14. 14.							ort
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1,100 2,002 300 2.77 2.50 1,144 4,164	1,100 2,000 2,10 2,10 1,100 1,100 2,00 1,100 1,100 2,00 1,100 2,00 1,100 2,00 1,100 2,00 1,100 2,00	1,17 2,023 300 225 2,170 250 1,170 2,00 1,170 1,170 2,00 1,170 2,00 1,170 2,00 1,170 2,00 1,170 2,00 1,170 2,00 2,00 1,170 2,00 2,00 2,00 1,170 2,00 2,00 2,00 1,170 1,170 2,00 2,00 2,00 2,00 2,00 1,170 2,00 2,00 2,00 2,00 2,00 2,00 1,110 2,00 <td> 1979 9,000</td> <td></td> <td></td> <td>7,034</td> <td>207</td> <td>7</td> <td>z</td> <td>z</td>	1979 9,000			7,034	207	7	z	z
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1,489 2,566 456 214 2,808 240 247 7 1,509 2,629 6,522 240 13 528 147 241 1,478 3,040 547 365 3,225 246 19 603 2 1,178 2,900 588 2,956 248 19 603 2 1,178 2,905 561 301 2,960 248 16 498 2 1,178 2,779 476 298 2,966 248 16 497 2 1,401 2,778 476 298 2,966 248 16 498 2 266 248 16 498 2 26 19 603 2 2 248 16 497 2 2 148 2 266 248 16 693 2 2 2 16 693 2 2 2 2 11 497 <td>1,489 2,566 456 214 2,808 240 1,509 2,620 66 212 2,802 240 1,178 3,040 547 365 3,225 245 1,178 2,930 568 292 240 1,172 2,935 514 317 3,133 245 1,171 2,779 478 291 2,966 248 1,377 478 298 2,966 248 1,416 2,730 561 267 3,024 286 1,440 2,730 561 267 3,024 286 1,440 2,730 561 267 3,024 286 1,441 2,730 561 267 3,024 286 1,442 3,063 531 368 3,325 244 1,448 3,079 631 368 3,353 294 1,148 3,104 611 443 3,775</td> <td>1,489 2,566 456 214 2,808 240 22 1,509 2,629 505 212 2,922 240 13 1,178 3,040 547 365 3,222 246 13 1,178 2,930 568 253 3,222 246 14 1,172 2,935 514 317 3,133 245 14 1,178 2,936 561 287 3,286 248 16 1,178 2,798 561 287 3,083 256 14 1,401 2,798 561 287 3,024 256 11 1,401 2,798 561 287 3,024 256 11 1,401 2,798 563 3,125 286 11 1,401 2,798 561 363 3,325 284 11 1,445 3,038 632 3,41 3,345 286 14</td> <td>1977 9 8899 111094 9 9000 2 441 1 946 11034 4306 11682 223 638 6187 1446 31 22 1 18</td> <td></td> <td></td> <td>2,868</td> <td></td> <td></td> <td></td> <td></td>	1,489 2,566 456 214 2,808 240 1,509 2,620 66 212 2,802 240 1,178 3,040 547 365 3,225 245 1,178 2,930 568 292 240 1,172 2,935 514 317 3,133 245 1,171 2,779 478 291 2,966 248 1,377 478 298 2,966 248 1,416 2,730 561 267 3,024 286 1,440 2,730 561 267 3,024 286 1,440 2,730 561 267 3,024 286 1,441 2,730 561 267 3,024 286 1,442 3,063 531 368 3,325 244 1,448 3,079 631 368 3,353 294 1,148 3,104 611 443 3,775	1,489 2,566 456 214 2,808 240 22 1,509 2,629 505 212 2,922 240 13 1,178 3,040 547 365 3,222 246 13 1,178 2,930 568 253 3,222 246 14 1,172 2,935 514 317 3,133 245 14 1,178 2,936 561 287 3,286 248 16 1,178 2,798 561 287 3,083 256 14 1,401 2,798 561 287 3,024 256 11 1,401 2,798 561 287 3,024 256 11 1,401 2,798 563 3,125 286 11 1,401 2,798 561 363 3,325 284 11 1,445 3,038 632 3,41 3,345 286 14	1977 9 8899 111094 9 9000 2 441 1 946 11034 4306 11682 223 638 6187 1446 31 22 1 18			2,868				
1,509 2,629 506 212 2,922 240 13 528 2 1451 2,920 568 3,525 246 14 300 2,629 505 3,222 245 14 300 2 2,935 3,142 2,45 14 380 2 2,935 2,147 3,143 2,45 14 3,900 2,48 2,94 2,94 14 3,900 2,94	1,509	1,509 2,629 506 212 2,922 240 13 1,451 2,920 558 253 3,225 246 14 1,172 2,935 514 317 3,133 245 14 1,118 2,779 476 2,980 2,986 2,48 16 1,117 2,936 551 2,971 3,033 250 19 1,415 2,730 561 267 3,024 2,56 11 1,507 2,936 5,91 321 3,033 250 19 1,450 3,039 6,91 321 3,035 250 19 1,450 3,079 631 328 3,325 270 9 1,263 3,079 631 3,68 3,325 270 9 1,128 3,104 611 443 3,278 2,25 14 1,144 3,326 648 3,327 2,25 14 1,108 3,310 608 639 3,378 2,25 14 1,108 3,310 611 443 3,270 2,25 14 1,108 3,310 611 640 3,321 158 41 1,089 3,071 680 430 3,521 158 41 1,089 3,071 680 447 3,137 269 65 1,102 3,191 778 426 3,48 159 62 1,102 3,191 778 410 3,346 172 64 1,101 3,137 778 426 3,48 156 16 696 2,661 483 3,57 162 64 1,101 3,137 778 478 3,48 156 16 696 2,661 483 5,74 156 16 696 2,662 2,663 478 2,48 156 16 696 2,668 612 2,57 156 16 698 2,551 483 507 2,507 156 16 698 2,551 483 507 2,507 156 16 1,109 3,100 412 2,507 156 16 1,101 3,100 412 2,507 156 16 1,102 3,100 412 2,507 156 16 1,103 3,100 412 2,507 156 16 1,104 2,948 659 478 2,561 16 1,105 2,177 504 473 2,748 156 16 1,105 2,177 504 473 2,507 156 16 1,105 2,177	1487 10,186 11,166 18,900 2,244 11,92 11,321 5,009 1,142 2.96 6,322 1,442 2.9 3.9 1,142 1,142 2.9 3.9			2,808			7	7
1,451 2,920 558 253 3,225 245 19 603 2 1,178 3,040 547 365 3,225 245 19 603 2 1,178 2,040 547 365 3,225 245 19 497 2 1,118 2,779 476 298 2,966 249 16 498 2 1,377 2,784 48 291 2,966 249 16 498 2 1,401 2,798 591 30,24 266 19 599 2 2 19 497 2 11 497 2 11 497 2 11 497 2 11 497 2 11 497 2 11 497 2 196 6 498 2 198 2 6 149 497 2 141 497 2 141 141 3 2 141 <	1,451 2,920 568 253 3,225 245 1,178 3,040 544 365 3,225 245 1,178 3,040 544 365 3,222 245 1,178 2,040 547 365 229 295 246 1,171 2,779 476 298 2,956 249 296 249 1,401 2,790 561 267 3024 266 249 1,402 2,306 561 267 3024 266 249 1,507 2,936 591 3,210 267 307 304 266 1,507 2,936 591 3,26 277 3,43 206 249 1,126 3,079 644 417 3,48 296 147 3,48 296 1,146 3,104 611 443 3,27 222 117 144 3,34 70 148 3,49 296 <td>1,451 2,920 558 253 3,225 245 19 1,178 3,040 547 365 3,225 245 19 1,178 2,040 547 365 3,222 245 19 1,118 2,779 476 298 2,966 248 16 1,401 2,798 555 271 3,083 250 19 1,401 2,798 556 271 3,083 256 19 1,507 2,936 591 2,966 248 16 1,507 2,936 591 2,966 248 16 1,507 2,936 591 3,096 257 3,046 257 11 1,482 3,073 632 341 3,324 277 11 1,482 3,073 638 3,332 294 3 1,148 3,371 638 3,325 270 9 1,148 3,372</td> <td>1909 0.5656 10.4020 2.087 1.1262 4.877 1.742 2.69 6.322 1.482 2.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0</td> <td></td> <td></td> <td>2,922</td> <td></td> <td></td> <td>Z</td> <td>7</td>	1,451 2,920 558 253 3,225 245 19 1,178 3,040 547 365 3,225 245 19 1,178 2,040 547 365 3,222 245 19 1,118 2,779 476 298 2,966 248 16 1,401 2,798 555 271 3,083 250 19 1,401 2,798 556 271 3,083 256 19 1,507 2,936 591 2,966 248 16 1,507 2,936 591 2,966 248 16 1,507 2,936 591 3,096 257 3,046 257 11 1,482 3,073 632 341 3,324 277 11 1,482 3,073 638 3,332 294 3 1,148 3,371 638 3,325 270 9 1,148 3,372	1909 0.5656 10.4020 2.087 1.1262 4.877 1.742 2.69 6.322 1.482 2.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0			2,922			Z	7
1,178 3,040 547 365 3,222 245 18 497 7 1,172 2,936 514 317 3,133 245 18 497 7 1,172 2,779 514 317 3,133 245 14 498 2 1,401 2,798 566 271 3,083 260 19 539 542 2 1,415 2,730 561 287 3,024 277 11 637 2 1,567 2,936 563 341 3,344 286 2,570 8 562 2 1,567 2,936 632 341 3,344 286 3,456 277 11 633 2 1,482 3,079 631 3,562 270 9 7,36 2 4 1,48 3,345 2 4 4 8 4 4 8 2 1,48 3,345 2 4	1,178 3,440 547 365 3,222 246 1,172 2,935 514 317 3,133 245 1,118 2,779 476 298 2,666 248 1,401 2,798 565 271 3,083 260 1,401 2,798 566 277 3,024 286 1,507 2,798 567 277 3,024 286 1,508 2,030 591 327 3,024 286 1,508 3,078 631 3,44 3,352 294 1,284 3,079 631 3,44 3,36 297 1,148 3,079 631 3,68 3,36 294 1,285 3,079 631 3,44 417 3,44 298 1,148 3,040 608 483 3,44 298 144 144 1,44 1,44 1,44 1,44 1,44 1,44 1,44 1,44	1,178 3,040 547 365 3,222 245 118 1,172 2,935 514 317 3,133 245 14 1,177 2,754 488 291 2,960 249 23 1,415 2,778 46 296 296 249 23 1,415 2,730 555 271 3,083 250 19 1,416 2,730 631 368 3,382 267 11 1,422 3,079 631 368 3,382 277 11 1,482 3,079 631 368 3,382 294 27 1,148 3,112 608 443 3,382 294 2 1,148 3,310 608 493 3,378 260 6 1,149 3,302 686 539 3,378 260 6 1,149 3,302 686 539 3,378 260 1 <td>1980 9,555 10,402 8,980 2,007 1,210 9,827 4,011 1,473 3,00 5,164 1,187 18 27 1,989</td> <td></td> <td></td> <td>3,225</td> <td></td> <td></td> <td>N</td> <td>N</td>	1980 9,555 10,402 8,980 2,007 1,210 9,827 4,011 1,473 3,00 5,164 1,187 18 27 1,989			3,225			N	N
1,172 2,995 514 317 3,133 245 14 380 z 1,178 2,779 476 296 2,966 248 16 498 z 1,377 2,779 476 296 2,96 248 16 498 z 1,415 2,730 561 267 3,024 256 11 597 z 1,567 3,063 581 321 3,026 261 16 598 z 266 11 597 z 1,566 3,063 581 3,267 277 11 638 z 266 17 596 z 1,283 3,078 631 3,88 3,352 277 11 638 z 269 299 299 299 299 299 299 299 299 299 299 299 299 299 299 11 408 14 408 14 408 <td>1,172 2,995 514 317 3,133 245 1,178 2,778 476 298 2,956 248 1,371 2,754 488 291 2,956 249 1,415 2,730 561 267 3,024 256 1,445 2,730 561 267 3,024 256 1,567 2,936 591 3,024 256 277 1,567 2,936 591 3,26 277 1,06 287 1,442 3,079 631 3,68 3,352 294 277 1,226 3,112 628 3,86 3,353 249 277 1,286 3,079 631 3,68 3,352 279 204 1,147 3,228 644 417 3,444 298 1,144 417 3,444 298 1,146 3,140 611 443 3,275 226 1,144 3,144 417</td> <td>1,172 2,935 514 317 3,133 245 14 1,377 2,778 476 298 2,966 248 16 1,377 2,778 476 298 2,966 248 16 1,415 2,730 561 267 3,024 256 19 1,464 2,730 561 267 3,024 256 11 1,507 2,936 591 321 3,206 257 19 1,482 3,079 631 386 3,322 270 9 1,283 3,079 631 386 3,332 270 9 1,148 3,112 644 417 3,348 294 3 1,148 3,104 608 483 3,484 298 3 1,147 3,288 599 509 3,378 260 6 1,144 3,342 624 447 3,278 225 14 <td>1981 81490 (1)1299 81600 13966 1006 9559 3539 1446 310 4976 11200 21 494 1982 1130 81500 1396 10087 1130 81500 1396 1130 8130 8130 8130 813</td><td></td><td></td><td>3,222</td><td>245</td><td></td><td>z</td><td>Z</td></td>	1,172 2,995 514 317 3,133 245 1,178 2,778 476 298 2,956 248 1,371 2,754 488 291 2,956 249 1,415 2,730 561 267 3,024 256 1,445 2,730 561 267 3,024 256 1,567 2,936 591 3,024 256 277 1,567 2,936 591 3,26 277 1,06 287 1,442 3,079 631 3,68 3,352 294 277 1,226 3,112 628 3,86 3,353 249 277 1,286 3,079 631 3,68 3,352 279 204 1,147 3,228 644 417 3,444 298 1,144 417 3,444 298 1,146 3,140 611 443 3,275 226 1,144 3,144 417	1,172 2,935 514 317 3,133 245 14 1,377 2,778 476 298 2,966 248 16 1,377 2,778 476 298 2,966 248 16 1,415 2,730 561 267 3,024 256 19 1,464 2,730 561 267 3,024 256 11 1,507 2,936 591 321 3,206 257 19 1,482 3,079 631 386 3,322 270 9 1,283 3,079 631 386 3,332 270 9 1,148 3,112 644 417 3,348 294 3 1,148 3,104 608 483 3,484 298 3 1,147 3,288 599 509 3,378 260 6 1,144 3,342 624 447 3,278 225 14 <td>1981 81490 (1)1299 81600 13966 1006 9559 3539 1446 310 4976 11200 21 494 1982 1130 81500 1396 10087 1130 81500 1396 1130 8130 8130 8130 813</td> <td></td> <td></td> <td>3,222</td> <td>245</td> <td></td> <td>z</td> <td>Z</td>	1981 81490 (1)1299 81600 13966 1006 9559 3539 1446 310 4976 11200 21 494 1982 1130 81500 1396 10087 1130 81500 1396 1130 8130 8130 8130 813			3,222	245		z	Z
1,118 2,779 476 298 2,956 248 16 498 2 1,377 2,754 488 291 2,950 249 26 2 1,401 2,708 565 271 3,024 256 11 597 2 1,416 2,708 561 287 3,024 256 11 597 2 1,566 3,063 591 321 3,024 256 11 597 2 1,466 3,063 631 324 3,254 277 11 683 2 2 11 597 2 2 11 597 2 2 11 597 2 2 1 680 2 2 6 5 2 2 1 6 48 2 6 8 2 6 8 2 6 8 2 6 8 6 2 6 6 4 8	1,118 2,779 476 298 2,956 248 1,377 2,784 488 291 2,950 249 1,475 2,730 561 267 3,024 296 1,456 2,303 591 2,90 249 269 1,564 3,063 593 3,27 2,06 257 1,486 3,063 631 3,84 2,06 257 1,286 3,112 628 3,86 3,532 294 1,148 3,310 608 483 3,438 296 1,146 3,104 611 443 3,272 226 1,146 3,104 611 443 3,272 226 1,146 3,104 611 443 3,272 226 1,146 3,104 611 443 3,272 226 1,146 3,104 611 443 3,272 226 1,148 3,347 706	1,118 2,779 476 298 2,956 248 16 1,377 2,754 488 291 2,950 249 23 1,401 2,798 565 271 3,083 256 11 1,507 2,936 591 321 3,024 256 11 1,566 3,035 541 3,346 277 11 1,482 3,079 633 341 3,354 277 11 1,482 3,079 631 368 3,353 294 3 1,148 3,079 631 368 3,353 294 3 1,148 3,106 604 447 3,484 298 2 1,147 3,288 599 509 3,372 209 1 1,147 3,486 599 3,435 209 2 1 1,147 3,486 599 3,539 209 1 1 1,	1982 1996 9886 8376 1958 1007 9238 3726 1442 268 6489 1175 25 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			3,133			z	N
1,377 2,764 488 291 2,960 249 25 542 2 1,401 2,788 555 271 3,083 250 19 559 2 1,415 2,730 591 3,206 257 8 562 2 1,507 2,908 591 3,206 257 8 562 2 1,482 3,079 631 3,68 3,352 270 9 735 2 1,286 3,079 631 368 3,352 294 3 71 633 2 71 633 2 71 633 7 <	1,377 2,754 488 291 2,950 249 1,401 2,798 556 271 3,083 250 1,407 2,798 551 327 3,024 256 1,507 2,936 591 327 3,024 256 1,546 3,063 632 341 3,354 277 1,546 3,079 631 368 3,352 294 1,293 3,310 608 483 3,372 296 1,147 3,310 608 483 3,372 296 1,147 3,328 686 599 3,372 296 1,147 3,392 686 599 3,372 255 1,149 3,392 686 599 3,593 169 1,048 3,295 661 548 3,408 175 1,048 3,392 686 599 3,593 266 1,048 3,347 702	1,377 2,764 488 291 2,960 249 23 1,401 2,786 555 271 3,083 250 19 1,415 2,730 561 267 3,024 256 19 1,546 3,063 632 341 3,354 277 11 1,482 3,079 631 358 3,352 270 9 1,482 3,079 631 358 3,352 277 11 1,482 3,079 631 358 3,352 277 11 1,148 3,310 608 483 3,435 294 2 1,144 3,310 608 483 3,435 296 1 1,144 3,310 608 483 3,435 206 6 1,144 3,310 608 493 3,378 206 1 1,144 3,326 666 622 460 3,378 206	1984 10.0997 11.330 8.502 24.05 1.172 10.733 4.577 11.866 286 61.35 1.379 3.6 1.4 1.1 1.1 1.1 1.1 1.2 1.1 1.3 1.3			2,956			z	Z
1401 2788 555 271 3,083 256 19 539 7 1445 2,730 561 267 3,024 275 8 562 2 1,567 2,936 363 341 3,344 276 11 597 2 1,482 3,063 632 341 3,344 276 9 735 2 1,263 3,112 628 386 3,352 270 9 735 2 1,128 3,112 628 386 3,532 294 3 719 3 1,148 3,316 608 481 3,435 296 3 719 3 1,147 3,286 599 509 3,378 260 6 489 1 1,147 3,146 611 443 3,272 225 14 422 4 1,147 3,248 599 539 3,539 16 48	1401 2.798 555 271 3,083 250 1415 2.730 561 267 3,024 256 1567 3,063 632 341 3,062 257 1482 3,079 631 368 3,362 277 1426 3,112 628 3,862 277 1426 3,112 628 3,862 277 1426 3,112 628 3,86 3,532 294 1138 3,310 608 487 3,785 280 1144 3,310 608 483 3,484 298 1144 3,104 611 443 3,272 282 1146 3,114 443 3,272 282 1148 3,104 611 443 3,272 282 1108 3,104 611 443 3,272 282 1108 3,102 666 539 3,539 206 <t< td=""><td>1401 2798 555 271 3,083 250 19 1415 2770 561 267 3,024 256 11 1567 2936 593 321 3,294 256 11 1482 3,063 632 341 3,362 277 11 1482 3,079 631 368 3,352 294 3 1,128 3,172 642 417 3,485 294 3 1,143 3,30 608 483 3,435 294 3 1,144 3,288 599 509 3,378 260 6 1,144 3,288 599 509 3,378 260 6 1,147 3,392 686 539 3,272 225 14 1,149 3,392 686 539 3,580 16 6 1,108 3,071 680 447 3,380 17 64</td><td>1984 10,328 11,368 9,693 2,633 1,094 11,23 4,715 2,212 2,28 6,48 1,380 3,68 2,213 3,69 3,6</td><td></td><td></td><td>2,950</td><td></td><td></td><td>z</td><td>Ν</td></t<>	1401 2798 555 271 3,083 250 19 1415 2770 561 267 3,024 256 11 1567 2936 593 321 3,294 256 11 1482 3,063 632 341 3,362 277 11 1482 3,079 631 368 3,352 294 3 1,128 3,172 642 417 3,485 294 3 1,143 3,30 608 483 3,435 294 3 1,144 3,288 599 509 3,378 260 6 1,144 3,288 599 509 3,378 260 6 1,147 3,392 686 539 3,272 225 14 1,149 3,392 686 539 3,580 16 6 1,108 3,071 680 447 3,380 17 64	1984 10,328 11,368 9,693 2,633 1,094 11,23 4,715 2,212 2,28 6,48 1,380 3,68 2,213 3,69 3,6			2,950			z	Ν
1,415 2,730 561 267 3,024 256 11 597 2 1,566 3,063 581 321 3,26 277 11 597 2 1,546 3,063 581 3,322 277 11 633 2 1,426 3,172 628 3,352 277 11 633 2 1,128 3,172 628 3,663 2,94 3 719 3 1,148 3,310 644 417 3,444 298 2 639 0 1,146 3,104 611 443 3,772 226 14 422 4 1,146 3,104 611 443 3,772 226 14 422 4 1,146 3,104 611 443 3,772 226 14 422 4 1,148 3,162 666 686 3,348 3,60 181 14 422	1,415 2,730 561 267 3,024 256 1,567 2,936 591 321 3,026 257 1,546 3,063 632 341 3,364 296 1,286 3,112 628 386 3,352 290 1,128 3,257 644 417 3,484 298 1,147 3,288 599 509 509 3,785 200 1,146 3,104 611 443 3,272 225 1,146 3,162 626 599 3,785 200 1,147 3,162 626 599 3,785 200 1,146 3,162 627 400 3,785 200 1,146 3,162 628 360 3,785 200 1,104 3,347 70 493 3,557 162 1,008 3,347 70 493 3,567 162 1,016 2,887	1,415 2,730 561 267 3,024 256 11 1,564 3,063 632 341 3,266 257 8 1,546 3,063 632 341 3,364 277 11 1,286 3,112 628 386 3,353 204 3 1,285 3,112 628 386 3,353 294 3 1,148 3,310 608 483 3,484 298 2 1,147 3,288 599 509 3,378 260 6 1,146 3,104 611 443 3,272 225 14 1,147 3,285 686 539 3,378 260 6 1,147 3,382 686 539 3,378 265 13 1,104 611 643 3,272 225 14 1,104 611 643 3,372 18 13 1,108 3	1986 10,222 11,990 9,687 2,830 1,132 11,385 4,713 2,212 246 6,678 1,392 46 2,242 1,228 1,228 1,2070 5,299 2,135 303 7,092 1,150 47 42 42 42 42 42 42 42			3,083			z	N
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1,086 3,347 702 493 3,557 162 24 285 5 1,098 3,071 680 493 3,247 162 28 5 1 1,078 3,137 746 459 3,424 159 62 330 1 982 2,887 731 437 3,281 272 64 307 1 1,024 3,148 801 347 3,255 169 69 262 2 1,012 3,147 779 410 3,489 169 69 266 2 1,015 3,147 779 410 3,489 169 69 266 2 1,015 3,147 779 410 3,489 169 69 266 2 1,015 3,018 172 62 266 2 2 2 1,024 4,28 4,78 3,130 172 62 288 1 </td <td>1,085 3,347 702 493 3,557 162 1,088 3,071 600 430 3,557 162 1,078 3,108 746 459 3,424 159 982 2,897 731 437 3,281 272 1,076 2,885 699 447 3,137 269 1,02 3,191 819 412 3,598 169 1,113 3,137 778 426 3,489 169 1,113 3,137 778 478 3,130 172 874 2,949 659 478 3,130 172 895 2,877 504 473 2,748 156 572 2,717 504 473 2,748 156 588 2,617 485 473 2,507 156 588 2,551 483 507 2,507 156</td> <td>1,086 3,347 702 493 3,557 162 24 1,089 3,071 680 430 3,357 162 24 1,078 3,136 746 459 3,424 159 62 982 2,387 731 437 3,281 272 64 1,076 3,181 819 412 3,588 169 75 1,102 3,191 819 412 3,588 169 62 1,113 3,137 778 426 3,489 169 97 1,015 3,191 8739 410 3,346 170 85 8774 2,949 659 478 3,346 170 85 878 2,612 485 478 2,748 166 14 888 2,612 485 478 2,619 156 16 888 2,551 483 507 2,507 156 15</td> <td>1998 10,315 12,662 10,005 3,488 1,120 12,352 4,995 2,895 170 7,520 1,098 43 46 1998 10,315 12,662 10,006 3,448 1,120 12,635 4,995 20,605 10,005 3,673 1,700 12,601 5,180 2,805 209 7,776 10,005 3,673 1,700 12,601 5,180 2,805 209 7,776 10,003 5,180 10,005 12,809 10,015</td> <td></td> <td></td> <td>3,408</td> <td></td> <td></td> <td>_</td> <td>146</td>	1,085 3,347 702 493 3,557 162 1,088 3,071 600 430 3,557 162 1,078 3,108 746 459 3,424 159 982 2,897 731 437 3,281 272 1,076 2,885 699 447 3,137 269 1,02 3,191 819 412 3,598 169 1,113 3,137 778 426 3,489 169 1,113 3,137 778 478 3,130 172 874 2,949 659 478 3,130 172 895 2,877 504 473 2,748 156 572 2,717 504 473 2,748 156 588 2,617 485 473 2,507 156 588 2,551 483 507 2,507 156	1,086 3,347 702 493 3,557 162 24 1,089 3,071 680 430 3,357 162 24 1,078 3,136 746 459 3,424 159 62 982 2,387 731 437 3,281 272 64 1,076 3,181 819 412 3,588 169 75 1,102 3,191 819 412 3,588 169 62 1,113 3,137 778 426 3,489 169 97 1,015 3,191 8739 410 3,346 170 85 8774 2,949 659 478 3,346 170 85 878 2,612 485 478 2,748 166 14 888 2,612 485 478 2,619 156 16 888 2,551 483 507 2,507 156 15	1998 10,315 12,662 10,005 3,488 1,120 12,352 4,995 2,895 170 7,520 1,098 43 46 1998 10,315 12,662 10,006 3,448 1,120 12,635 4,995 20,605 10,005 3,673 1,700 12,601 5,180 2,805 209 7,776 10,005 3,673 1,700 12,601 5,180 2,805 209 7,776 10,003 5,180 10,005 12,809 10,015			3,408			_	146
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982 2.5987 731 437 3.281 272 64 307 11 1016 2.885 699 47 3.137 269 75 279 0 1.024 3.114 801 390 3.525 169 69 262 1 1.102 3.191 819 412 3.588 169 62 256 2 1.1015 3.018 778 426 3.489 169 97 257 1 1.015 3.018 739 410 3.346 170 85 261 2 874 2.949 659 478 3.130 172 62 268 1 695 2.868 612 521 2.988 154 30 244 2 572 2.717 624 478 2.619 156 16 332 1 588 2.561 483 507 2.507 156 15 419 1	982 2,987 731 437 3,221 272 1,016 2,885 731 801 390 3,525 169 1,102 3,114 801 390 3,525 169 1,113 3,137 773 410 3,018 739 410 3,489 169 1,015 2,949 659 478 3,130 172 695 2,888 612 521 2,958 164 577 2,717 5,04 473 2,748 1,56 588 2,612 486 478 2,619 166 588 2,551 485 478 2,507 156	982 2,987 731 437 3,281 272 64 1,016 2,885 699 447 3,1281 272 64 1,024 3,114 801 390 3,525 169 69 1,102 3,191 819 412 3,598 169 62 1,113 3,137 778 426 3,489 169 97 1,015 3,018 739 410 3,346 170 85 695 2,868 612 521 2,958 154 30 572 2,777 504 473 2,748 156 14 588 2,612 485 478 2,619 156 16 588 2,551 483 507 2,507 156 15	2007 9,916 12,637 9,608 3,778 1,042 12,529 4,981 2,895 147 7,729 939 73 31 2003 10,150 12,286 9,653 3,989 10,11 12,537 5,11 3,026 146 8,040 947 75 5 1 1 2,203 10,150 12,286 9,861 4,042 944 12,976 5,273 3,055 145 9,033 957 177 26 2004 10,614 14,259 10,321 4,590 944 12,976 5,273 3,055 145 9,033 957 177 26 2005 10,686 14,313 10,382 4,630 974 14,018 5,728 3,587 136 9,149 943 197 26 2006 10,680 13,531 10,382 4,630 974 14,018 5,728 3,587 136 9,149 943 197 26 2007 9,701 12,111 9,386 3,488 10,79 11,805 5,064 2,652 150 7,566 793 144 33 2008 8,591 9,981 8,394 2,554 1,164 9,694 4,204 1,831 180 5,855 652 80 37 2009 7,439 8,239 7,473 1,884 1,094 7,973 3,350 1,281 149 4,483 5,36 64 28 2011 7,749 8,389 7,448 1,932 1,286 8,133 3,350 1,281 149 4,483 5,36 64 28 2011 7,749 8,389 7,488 1,094 1,064 8,204 1,343 3,350 1,343 2,47 4,952 5,99 64 28 2011 1,044 8,389 7,488 1,094 1,064 8,139 3,356 1,343 2,47 4,952 5,99 64 28 2011 1,044 8,139 10,000 4,		-	3,424				129
1,016 2,885 699 447 3,137 269 75 279 0 1,024 3,114 801 390 3,525 169 69 262 1 1,102 3,191 819 412 3,588 169 62 266 2 1,113 3,137 778 426 3,489 169 97 257 1 1,015 3,018 739 410 3,346 170 85 261 2 1,015 2,049 669 478 3,130 172 62 268 1 695 2,868 612 521 2,988 154 30 244 2 572 2,717 504 473 2,748 156 16 332 1 588 2,612 485 478 2,619 156 16 332 1 588 2,551 483 507 2,507 156 15 419 1	1,016 2,885 699 447 3,137 269 1,024 3,114 819 3,525 169 1,102 3,114 819 412 3,588 169 1,101 3,137 778 426 3,489 169 1,015 3,018 739 410 3,346 170 874 2,949 659 478 3,130 172 695 2,868 612 521 2,958 154 572 2,177 594 473 2,148 156 588 2,651 483 507 2,507 156	1,016 2,885 699 447 3,147 269 75 1,024 3,114 819 412 3,525 169 69 1,102 3,191 819 412 3,588 169 62 1,113 3,137 778 426 3,489 169 97 1,015 3,018 739 410 3,346 170 85 8774 2,949 659 478 172 62 695 2,888 612 521 2,988 154 30 572 2,717 504 473 2,748 156 14 588 2,612 485 478 2,619 156 16 588 2,551 483 507 2,507 156 15	2002 9,942 12,826 9,653 3,885 1,011 12,537 5,161 3,026 146 8,040 947 95 27 2002 10,526 9,861 4,050 947 15,527 3,055 14,580 94, 13,986 5,628 3,531 145 8,183 933 117 26 2004 10,644 14,259 10,321 4,580 944 13,986 5,628 3,531 145 8,183 947 14,018 12,005 10,064 14,313 10,068 4,272 944 13,386 5,578 3,825 141 8,718 876 165 26 2005 10,303 13,641 10,008 4,272 944 13,386 5,578 3,822 141 8,718 876 165 26 2009 7,439 8,239 7,173 1,864 1,064 7,973 3,350 1,281 149 4,483 5,965 652 80 37 2009 7,439 8,239 7,175 1,864 1,064 7,973 3,350 1,281 149 4,483 5,96 64 28 2011 8,118 8,1			3,281			_	121
1,024 3,114 801 390 3,525 169 69 282 1 1,102 3,191 819 412 3,588 169 62 256 2 1,113 3,137 778 426 3,489 169 97 257 1 1,015 3,018 739 410 3,346 170 85 261 2 874 2,949 659 478 3,130 172 62 2,88 1 695 2,868 154 30 2,44 2 572 2,717 504 473 2,748 156 16 332 1 588 2,612 485 57 2,619 156 16 332 1 588 2,551 483 507 2,507 156 15 419 1	1,024 3,114 801 390 3,525 169 1,102 3,191 819 412 3,598 169 1,115 3,137 778 426 3,489 169 1,015 3,018 739 410 3,346 170 874 2,949 659 478 3,130 172 695 2,868 612 521 2,958 154 572 2,717 504 473 2,748 166 588 2,612 485 478 2,619 156 588 2,551 483 507 2,507 156	1,024 3,114 801 390 3,525 169 69 1,102 3,191 819 412 3,588 169 62 1,113 3,137 778 426 3,489 169 67 1,1015 3,018 778 426 3,489 169 97 1,015 3,018 739 410 3,346 170 85 874 2,949 659 478 3,130 172 62 62 659 2,888 612 5,248 154 156 14 558 2,612 485 478 2,619 156 16 588 2,551 483 507 2,507 156 15	2003 10,150 13,288 9,861 4,042 934 12,970 5,273 3,055 145 8,183 933 117 26 2003 10,150 13,288 9,861 4,042 934 12,970 5,273 3,055 145 8,183 933 117 26 2005 10,633 13,631 10,008 4,272 944 14,098 5,728 3,557 141 8,789 943 197 28 2006 10,303 13,631 10,008 4,272 944 14,336 5,78 3,282 141 8,718 8,718 8,718 10,008 4,272 944 11,336 5,78 3,282 141 8,718 8,718 8,718 10,008 14,483 10,004 11,804 9,694 4,204 1,831 180 5,855 652 80 37 2009 7,439 8,239 7,173 1,864 1,064 7,973 3,350 1,281 149 4,483 5,96 64 28 201 7,74 8,389 7,48 1,982 1,26 8,123 3,557 1,389 201 4,483 5,98			3,137			0	175
1,102 3,191 819 412 3,588 169 62 226 2 1,113 3,137 779 426 3,489 169 97 257 1 1,015 3,018 779 410 3,346 170 85 261 2 874 2,949 659 478 3,130 172 62 268 1 875 2,717 504 473 2,748 156 14 263 1 888 2,612 485 478 2,619 156 16 332 1 588 2,551 483 507 2,507 156 15 419 1	1,102 3,191 819 412 3,588 169 1,113 3,137 776 426 3,489 169 1,015 3,018 739 410 3,346 170 874 2,949 659 478 3,130 172 695 2,868 612 521 2,958 154 572 2,717 504 478 2,619 156 588 2,517 485 478 2,619 156 588 2,551 483 507 2,507 156	1,102 3,191 819 412 3,588 169 62 1,113 3,137 778 426 3,489 169 62 1,113 3,137 778 426 3,489 169 97 1,115 3,018 739 410 3,346 170 85 874 2,949 659 478 3,130 172 62 695 2,868 612 521 2,958 154 30 572 2,177 504 473 2,748 156 14 588 2,612 485 507 2,507 156 15	2004 10.614 14.259 10.321 4.560 944 13.966 5.628 3.531 125 9.033 957 176 31 2005 10.656 14.313 10.362 4.530 974 14.018 5.628 3.557 136 91.49 943 197 26 2006 10.530 13.513 10.008 4.272 944 13.35 5.664 2.652 141 8718 8718 176 26 2007 9.701 12.111 9.396 3.488 1.079 11.805 5.064 2.652 150 7.566 793 114 33 2008 8.551 9.981 8.304 2.554 1.164 9.694 4.204 1.831 180 5.855 652 80 37 2019 7.438 8.239 7.448 1.932 1.256 8.123 3.57 1.389 2.01 4.433 5.96 64 2.8 2011 8.016 8.485 7.750 1.885 148 8.386 1.343 2.47 4.952 669 68 2 3 4.3 2011 8.016 8.485 7.750 1.885 148 8.386 1.343 247 4.952 669 68 3 4.3 10.000 9.0			3,525			·	=======================================
1,113 3,137 778 426 3,489 169 97 257 1 1,015 3,018 739 410 3,346 170 85 261 2 874 2,949 659 478 3,130 172 62 268 1 572 2,717 504 473 2,748 156 14 263 1 588 2,612 485 478 2,619 156 16 332 1 588 2,551 483 507 2,507 156 15 419 1	1,113 3,137 778 426 3,489 169 1,015 3,018 739 410 3,346 170 874 2,949 659 478 3,130 172 695 2,868 612 521 2,958 154 572 2,717 504 473 2,748 156 588 2,612 485 478 2,619 166 588 2,551 483 507 2,507 156	1,113 3,137 778 426 3,489 169 97 1,015 3,018 739 410 3,346 170 85 86 659 478 3,130 172 62 695 2,868 612 521 2,958 154 30 572 2,717 504 473 2,748 156 14 588 2,612 485 478 2,619 156 16 588 2,551 483 507 2,507 156 15	2005 10,656 14,313 10,362 4,630 974 14,018 5,728 3,557 136 9,149 943 197 26 2006 10,303 13,513 10,008 4,272 944 13,38 5,728 3,282 141 8,718 8,76 165 26 2007 9,701 12,111 9,396 3,488 1,079 11,805 5,064 2,652 150 7,566 793 144 33 2008 1,439 8,539 7,448 1,064 7,973 3,350 1,281 149 4,483 5,96 652 80 37 2009 7,439 8,239 7,413 1,884 1,064 7,973 3,350 1,281 149 4,483 5,96 64 28 2011 8,116 8,485 7,750 1,885 1,46 8,289 3,575 1,389 2011 8,116 8,485 7,750 1,885 1,46 8,289 1,343 2,47 4,952 5,69 63 3,41 4,952 1,956 1,343 1,		-	3,598			7	120
1,015 3,018 739 410 3,346 170 85 261 2 874 2,949 659 478 3,130 172 62 268 1 695 2,888 612 521 2,968 154 30 244 2 572 2,717 504 473 2,748 156 14 263 1 588 2,612 485 478 2,619 156 16 332 1 588 2,551 483 507 2,507 156 15 419 1	1,015 3,018 739 410 3,346 170 874 2,949 659 478 3,130 172 695 2,868 612 521 2,958 154 572 2,717 504 473 2,748 156 588 2,612 485 478 2,619 166 588 2,551 483 507 2,507 156	1,015 3,018 739 410 3,346 170 85 874 2,949 656 478 3,136 172 62 62 685 2,717 504 473 2,748 156 16 588 2,612 485 478 2,619 156 16 588 2,551 483 507 2,507 156 15	2006 10,303 13,631 10,008 4,272 944 13,336 5,578 3,282 141 8,718 876 165 26 200 2008 8,591 9,981 8,304 2,564 1,695 8,504 2,504 1,807			3,489			·	128
874 2,949 659 478 3,130 172 62 268 1 695 2,868 612 521 2,958 154 30 2,44 2 572 2,717 604 473 2,748 156 14 263 1 588 2,612 485 478 2,619 156 16 332 1 588 2,551 483 507 2,507 156 15 419 1	874 2,949 659 478 3,130 172 695 2,868 612 521 2,958 154 572 2,717 504 473 2,748 166 588 2,612 485 478 2,619 156 588 2,551 483 507 2,507 156	874 2,949 659 478 3,130 172 62 695 2,868 612 52,1 2,958 154 30 572 2,717 504 473 2,748 156 14 588 2,651 485 507 2,507 156 15	2007 9,701 12,111 9,386 3,488 1,079 11,805 5,064 2,652 156 793 114 33 2008 8,591 9,981 8,394 2,554 1,164 9,694 4,204 1,831 180 5,855 652 80 37 2009 7,714 8,389 7,748 1,932 1,266 8,123 3,575 1,369 201 4,743 574 64 28 2011 8,016 8,485 7,750 1,885 1,416 8,218 3,856 1,343 247 4,952 569 63 43 U.S. Department of Agriculture, Forest Service (22); U.S International Trade Commission(83); Data may not add to totals because of rounding: Data have been revised induced and the pulpwood equivalent of wood pulp and paper and board.			3,346			7	106
895 2,888 612 521 2,988 154 30 244 2 572 2,717 504 478 2,66 14 263 1 588 2,612 485 478 2,619 156 16 332 1 588 2,551 483 507 2,507 156 15 419 1 1	695 2,868 612 521 2,958 154 572 2,717 604 473 2,748 156 588 2,612 485 478 2,619 156 588 2,551 483 507 2,507 156	695 2,888 612 821 2,988 154 30 572 2,717 504 478 2,748 156 14 588 2,612 485 478 2,619 156 16 588 2,551 483 507 2,507 156 15	2008 8.591 9.981 8.304 2.554 1,164 9.694 4,204 1,831 180 5,855 652 80 37 2009 7,439 8,239 7,737 1,864 1,064 7,973 3,350 1,281 149 4,483 5.56 64 28 2010 7,744 8,389 7,7750 1,885 1,416 8,218 3,856 1,343 247 4,952 569 63 43 2011 8,016 8,485 7,750 1,885 1,416 8,218 3,856 1,343 247 4,952 569 63 43 U.S. Department of Agriculture, Forest Service (22); U.S. International Trade Commission(83); Data may not add to totals because of rounding: Data have been revised indudes pulpwood and the pulpwood equivalent of wood pulp and paper and board.		-	3,130			,	49
572 2,717 504 473 2,748 156 14 263 1 588 2,612 486 478 2,619 156 16 332 1 588 2,551 483 507 2,507 156 15 419 1	5/7 2,717 504 473 2,748 156 588 2,612 485 478 2,619 166 588 2,551 483 507 2,507 156	572 2,717 504 473 2,748 156 14 588 2,612 486 478 2,619 156 16 588 2,551 483 507 2,507 156 15	2009 7,439 8,239 7,473 1,884 1,064 7,973 3,350 1,281 149 4,483 536 64 28 2010 7,74 8,389 7,448 1,985 1,064 7,973 3,350 1,389 2011 4,743 574 61 46 2011 8,016 8,485 7,780 1,885 1,416 8,218 3,866 1,343 247 4,952 669 63 43 U.S. Department of Agriculture, Forest Service (22); U.S. International Trade Commision(83); Data may not add to totals because of rounding: Data have been revised Indudes pulpwood and the pulpwood equivalent of wood pulp and paper and board.			2,958				182
588 2,612 485 478 2,619 156 16 332 1 588 2,551 483 507 2,507 156 15 419 1	588 2,672 486 478 2,679 156 588 2,551 483 507 2,507 156	588 2,612 485 478 2,619 156 16 588 2,551 483 507 2,507 156 15	2010 7,714 8,389 7,448 1,392 1,256 8,123 3,575 1,369 201 4,743 574 61 46 2011 8,016 8,016 8,485 7,750 1,885 1,416 8,218 3,856 1,343 247 4,952 569 63 43 40.5 Department of Agriculture, Forest Service (22); U. S. International Trade Commision(83); Data may not add to totals because of rounding. Data have been revised "Indudes pulpwood and the pulpwood equivalent of wood pulp and paper and board."			2,748			·	152
588 2,551 483 507 2,507 156 15 419 1	588 2,581 483 507 2,507 156	588 2,551 483 507 2,507 156 15	2011 8,016 8,485 7,790 1,885 1,416 8,218 3,856 1,543 247 4,952 569 63 43 "U.S. Department of Agriculture, Forest Service (22); U.S International Trade Commision(83); Data may not add to totals because of rounding; Data have been revised includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.			2,619				199
U.S. Department of Agriculture, Forest Service (\$21); U.S International Trade Commission(83); Data may not add to totals because of rounding; Data have been revised. Indudes pulpwood equivalent of wood pulp and paper and board. Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. Prior to 1989, pulpwood chips are not included in total production. Any available. Any available.	"U.S. Department of Agriculture, Forest Service (22); U.S. International Trade Commission(83); Data may not add to totals because of rounding; Data have been revised. Includes pulpwood equivalent of wood pulp and paper and board. Includes cooperage logs, poles and piling, fence posts, hew thes, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. Prior to 1989, pulpwood chips are not included in total production. Note: The Cooperage of the production of the pro	TUS. Department of Agriculture, Forest Service (22); U.S. International Trade Commiston(83); Data may not add to totals because of rounding. Data have been revised. Thortudes buplywood equivalent of wood pulp and paper and board. Thortudes cooperage logs, poles and piling, fence posts, hew ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. Prior to 2000, Pulpwood clogs are not included in Logs. Wot available.	"U.S. Department of Agnaulture, Forest Service (22); U.S International Trade Commision(83); Data may not add to totals because of rounding. Data have been revised includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.	288		7,507			_	88
Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board. Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. Prior to 1989, pulpwood chips are not included in total production. Practice of the production of the pr	'Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board. Includes cooperage logs, poles and piling, fence posts, hew ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. Prior to 1989, pulpwood chips are not included in total production. Social Cooperage in Logs.	'Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board. Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. Prior to 1898, pulpwood chips are not included in total production. Prior to 2000, Pulpwood Logs are not included in Logs. Not available.	Indudes pulpwood and the pulpwood equivalent of wood pulp and paper and board.							
Includes cooperage logs, potes and pling, tence posts, havin time timbers, box bolts, excelsior bolts, and miscellaneous items. Prior to 1989, pulpwood chips are not included in total production. Prior to 1989, pulpwood Logs are not included in Logs. Nat Assaland Prior to 2000, Pulpwood Logs are not included in Logs.	Includes cooperage logs, potes and pling, tence posts, newn tes, found mine timbers, box boits, exceisor boits, chemical wood, shingle boits, and miscellaneous items. Prior to 1989, pulpwood chips are not included in total production. **Note: **COOP** Pulpwood Logs are not included in Logs.	Includes cooperage logs, potes and piling, tence posts, hewn tes, found mine timbers, box boils, exceisor boils, chemical wood, shingle boils, and miscellaneous items. Phiror to 1899, pulpwood Logs are not included in total production. Physic to 2000, Pulpwood Logs are not included in Logs.								
Prior to 1899, pulpwood chips are not included in total production. Prantia 2000, Pulpwood Logs are not included in Logs.	Prior to 1889, pulpwood chips are not included in total production. No. 10.00. Pulpwood Logs are not included in Logs.	Prior to 1989, pulpwood chips are not included in total production. Prior to 2000, Pulpwood Logs are not included in Logs. Not available.	includes cooperage logs, poles and piling, tence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous iten	ns.						
Prior to 2000, Pulpwood Logs are not included in Logs. Not available	Prior to 2000, Pulpwood Logs are not included in Logs.	Prior to 2000, Pulpwood Logs are not included in Logs. Not available.	Prior to 1989, pulpwood chips are not included in total production.							
Not available	New constitution	Not available.	Prior to 2000, Pulpwood Logs are not included in Logs.							
			Not available							

Table 6b—Production, imports, exports, and consumption of softwood timber products, by major product, 1965–2011 (thousand cubic meters, roundwood 'squivalent) Industrial roundwood use

Constant	!	roducts Consumption tion 264,401 267,766 277,66 278,306 278,308 302,451 289,393 302,451	Produc- tion 235,561	Tot Im-	×	Consump-		Lun	iber			Plywood an	Veneer		(duration.	9000	ā		- annoid
Company Produc Im. Ex. Consump and con Im. Ex. Consump Produc Im. Ex. Consump And Consump Cons		Consumption tion tion 264,401 267,766 22,402 227,306 327,81,283 302,451 299,393 307,935	Produc- tion 235,561	-lu		Consump-		-	ì		0.100.0				2	owood-bas	ed products		OGUCTION .	LUGO	2	pwood ct	_
10 10 10 10 10 10 10 10			tion 235,561				Produc-	Ė	¥	Consumb-	Ploauc-	L			Produc-	-w		-dunsuo	-uoo pui				-000
27,097 65,667 84,96 61,66 6,044 2,76 28,086 66,061 14,466 6,223 79,043 8,778 149 6,96 7 28,086 66,01 14,666 5,223 79,043 8,778 149 6,96 7 38,043 73,066 16,077 5,80 86,273 9,322 140 1,120 2 2 38,143 74,076 16,07 6,80 86,273 9,448 52 1,100 2 2 2 38,143 74,286 13,944 6,27 14,483 1,894 6,11 1,100 2 2 2 38,143 74,681 16,00			235,561	ports	ports	tion	tion	ports	ports	tion	tion	ports	ports	tion	tion	ports ^b	ports ^b		umption ^c				ts sumption
3. 28,413 80,403 81,448 4,756 80,103 8,0103 8,098 2,098 2. 20,25 7,3669 14,677 5,820 82,516 7,968 150 11,202 2 2. 20,21 7,3669 14,677 5,820 82,516 7,968 150 11,202 2 2. 20,21 7,361 6,837 9,438 22,210 11,202 2 2 2. 20,21 7,341 5,949 9,428 2,511 1,000 2 2 1,010 2 2 2 2 1,010 2 2 2 2 1,010 2 2 2 2 1,010 2 2 2 2 1,010 2 2 2 1,010 2 2 2 3 3 4 3 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 <td></td> <td></td> <td></td> <td>36,729</td> <td>13,180</td> <td>259,110</td> <td>129,769</td> <td>21,824</td> <td>3,692</td> <td>147,901</td> <td>26,765</td> <td>396</td> <td>92</td> <td></td> <td>65,488</td> <td>14,448</td> <td>4,380</td> <td>75,557</td> <td>8,495</td> <td></td> <td>40,</td> <td></td> <td>5,291</td>				36,729	13,180	259,110	129,769	21,824	3,692	147,901	26,765	396	92		65,488	14,448	4,380	75,557	8,495		40,		5,291
2.0.2025 7.0.003 8.0.70 1.4.005 9.5.23 7.9.004 1.4.005 9.5.23 9.0.70 1.4.005 9.5.23 9.0.70 1.4.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.005 7.0.00 2.0.000 7.0.00 2.0.000 7.0.00 2.0.000 7.0.00 </td <td></td> <td></td> <td>240,009</td> <td>37,435</td> <td>14,980</td> <td>262,465</td> <td>127,815</td> <td>21,326</td> <td>4,162</td> <td>144,978</td> <td>28,048</td> <td>469</td> <td>103</td> <td>28,413</td> <td>69,409</td> <td>15,448</td> <td>4,755</td> <td>80,103</td> <td>8,778</td> <td></td> <td>, 959</td> <td></td> <td>ı, o</td>			240,009	37,435	14,980	262,465	127,815	21,326	4,162	144,978	28,048	469	103	28,413	69,409	15,448	4,755	80,103	8,778		, 959		ı, o
2,0,0,5 7,0,0,0 1,0,0,0 1,0,0,0 1,1,2,0 2,0,0,0 1,0,0,0 1,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 2,0,0,0 <t< td=""><td></td><td></td><td>238,777</td><td>36,694</td><td>18,502</td><td>256,969</td><td>124,829</td><td>21,410</td><td>4,605</td><td>141,634</td><td>27,784</td><td>465</td><td>181</td><td>28,068</td><td>69,601</td><td>14,665</td><td>5,223</td><td>79,043</td><td>8,070</td><td></td><td>,493</td><td></td><td>ດເ</td></t<>			238,777	36,694	18,502	256,969	124,829	21,410	4,605	141,634	27,784	465	181	28,068	69,601	14,665	5,223	79,043	8,070		,493		ດເ
2. 36,201 7,807 10,204 9,932 10,442 2 2. 36,201 7,807 10,207 6,941 9,948 252 10,100 2 2 2. 36,201 7,816 1,800 6,951 86,421 9,948 252 10,100 2 2 3. 8,944 7,867 1,420 81,958 81,348 252 10,100 2 2 3. 8,944 7,867 1,470 81,928 81,240 11,471 2 11,471 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100 2 2 10,100			254,059	41,446	21,795	273,710	129,772	20,302	4,624	151,050	31,448	91.7	3 6	32,025	73,669	14,677	5,830	82,516	996,7		707		מו
3.97.42 78.67 78.67 9.192 48.7 17.10 2.5 17.10 2.5 17.10 2.5 3.3 4.14 9.1982 48.7 17.10 2.5 18.6 18.6 9.448 51.1 13.804 2.5 17.10 2.5 3.3 4.8 51.1 13.804 2.5 17.10 2.5 3.3 4.1 51.1 13.804 2.5 17.10 2.5 18.3 3.9 4.1 3.1 3.8 3.9 4.1 3.9 4.8 5.7 1.1 3.0 17.7 3.0 17.1 3.0 17.1 3.0 17.1 3.0 4.1 3.0 4.1 3.0 4.1 4.2 <t< td=""><td></td><td></td><td>254,381</td><td>43,462</td><td>791,77</td><td>2/5,6/6</td><td>125,632</td><td>20,133</td><td>4,657</td><td>147,109</td><td>29,304</td><td>808</td><td>422</td><td>29,691</td><td>81967</td><td>16,331</td><td>766,0</td><td>89,333</td><td>9,335</td><td></td><td>7,492</td><td></td><td>o o</td></t<>			254,381	43,462	791,77	2/5,6/6	125,632	20,133	4,657	147,109	29,304	808	422	29,691	81967	16,331	766,0	89,333	9,335		7,492		o o
2. 39,743 74,285 74,285 74,787 2.7 3. 8,944 73,667 14,781 51 13,000 2.7 3. 8,944 73,667 14,287 81,384 6,360 81,785 39,77 11,473 2 2 3. 3,155 73,940 16,007 75,284 6,307 73,284 6,364 30,71 11,779 2 2 3. 3,150 77,784 13,120 6,377 73,166 6,796 305 14,294 2 2 14,789 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 14,990 2 2 <td></td> <td></td> <td>276,139</td> <td>40,778</td> <td>20,914</td> <td>296,004</td> <td>130,985</td> <td>28,922</td> <td>2,684</td> <td>164 463</td> <td>30,627</td> <td>728</td> <td>729</td> <td>31,127</td> <td>86,432</td> <td>16,615</td> <td>8,867</td> <td>94,179</td> <td>9,992</td> <td></td> <td>5,103</td> <td></td> <td>0 0</td>			276,139	40,778	20,914	296,004	130,985	28,922	2,684	164 463	30,627	728	729	31,127	86,432	16,615	8,867	94,179	9,992		5,103		0 0
38,143 74,269 1,564 8,17,09 3,14 9,14 3,14 9,14 3,10 38,143 7,369 1,600 7,653 88,286 7,210 20,7 14,431 2 2 86,270 6,776 4,1500 5,940 16,001 2,624 6,654 30 11,779 2 2 4,1533 7,264 1,100 3,77 81,204 6,654 30 11,779 2 2 4,1536 7,262 1,100 3,774 1,100 3,740 3,740 3,740			720,327	48,430	7,484	293,278	133,148	32,237	4,222	161,163	35,470	943	212	30,201	74,001	15,003	0,951	80,213	9,448		001,100		0 (
3. 3.153 7.5894 14,200 2.940 18,189 18,133 39 14,731 2 8. 22,970 67,764 11,580 6.360 72,984 6,654 310 11,779 z 8. 22,970 67,764 11,580 6.360 72,984 6,654 310 11,779 z 8. 4,738 72,662 6,786 368 14,949 z z 8. 4,1583 72,662 6,786 6,786 365 14,949 z z 8. 4,1086 82,690 15,807 7,172 9,1326 6,388 388 388 388 14,949 z z 8. 41,086 82,690 16,486 9,398 9,140 6,786 396 14,949 z z 8. 41,086 82,690 18,890 9,138 9,138 9,144 14,948 z z 9. 41,096 18,890 18,890 18,949 18,789 18,789 11,779 z z <			272,760	25,090	26,213	301,636	137,318	40,022	5,578	1/1,/62	39,039	1,1/6	1/4	39,743	74,285	13,841	6,360	81,765	8,314		5,804		י פ
8.8. 25, 17.59 7.8940 10,001 7.093 88.268 7.210 201 11,431 2 2.9.70 77.704 11,20 6.377 81,204 6.796 305 14,294 2 2.4.738 7.4461 13,120 6.377 81,204 6.796 305 14,294 2 2.4.738 7.4461 13,120 6.377 81,224 6.796 305 17,089 2 2.4.1086 82,690 15,807 7.172 91,325 6,938 536 17,089 2 2 3.140 82,140 83,717 7.021 448 14,109 2 2 3.140 7.872 13,810 84,51 7.057 645 14,109 2 2 3.140 7.872 13,810 84,51 7.057 645 14,109 2 2 3.140 7.872 13,810 84,51 7.057 645 14,109 2 2 4,455			275,553	55,420	29,830	301,143	140,075	40,231	8,286	172,020	38,917	006	8/3	38,994	73,697	14,200	5,940	700,00	8,133		5		Ω (
89 42,704 11,500 6,340 72,844 6,654 310 11,779 7 24,1593 74,61 11,500 6,377 81,204 6,654 310 11,779 7 24,1593 72,662 12,911 6,007 82,744 6,796 636 61,940 2 2 34,168 82,690 15,807 7,172 91,240 6,654 317 14,940 2 2 33,136 88,146 14,306 6,010 82,744 6,664 17,040 2 2 14,940 2 2 17,040 2 14,940 2 2 14,060 2 17,040 14,109 2 2 14,060 2 2 14,109 3 14,109 3 2 14,109 3 17,109 3 3 3 3 14,109 3 3 3 4 3 3 4 3 4 3 4 3 4 3			263,383	49,371	28,149	284,604	131,105	32,548	7,907	155,746	33,696	614	1,158	33,153	79,940	16,001	7,653	88,288	7,210		. 431		9
33 38,461 13,120 6,377 81,204 6,796 305 14,294 2 24,7,537 74,461 13,120 6,377 81,224 6,796 305 14,294 2 24,7,357 74,461 13,120 6,377 7172 91,225 6,938 556 17,008 2 34,1086 82,690 15,807 7,172 91,225 6,938 557 14,008 2 33,163 33,163 36,107 13,246 6,170 82,741 7,021 448 14,109 2 31,661 78,702 13,466 8,451 87,307 7,027 448 14,109 2 31,661 78,702 13,468 8,451 87,307 7,026 529 15,262 2 31,667 78,703 9,492 7,242 321 16,903 2 2 2 4,272 2 4,272 2 4,372 4,492 2 2 2 4,492		_	250,426	40,714	26,900	264,240	130,302	28,102	7,082	151,321	33,926	722	1,678	32,970	67,764	11,580	6,360	72,984	6,654		. 622,		9
2 41,593 72,662 12,911 6,057 79,516 6,796 562 13,488 * * 4,273 74,458 14,306 6,010 82,754 6,796 368 14,340 * * 4,273 7,172 488 517 14,086 8,970 88,711 6,938 517 14,088 * 7 7 7 4,275 7,672 488 517 14,088 8,970 88,711 6,938 517 14,088 7 7 7 7 7 7 7 4,936 517 7 645 15,388 3 7 14,088 7			265,632	49,664	29,582	285,715	130,945	35,345	7,377	158,913	39,137	894	1,533	38,497	74,461	13,120	6,377	81,204	96,796		, 294		9
5 42,735 74,458 14,305 6,010 82,754 6,796 358 14,990 2 2 41,006 2 2 41,006 2 2 41,006 2 2 41,006 2 2 41,006 2 2 41,006 2 2 41,006 2 2 41,006 2 2 2 41,006 2 2 2 33,370 10,007 1 466 8,451 83,717 7,057 648 14,106 2 2 2 1,106 2 2 1,106 2 2 1,106 2 2 1,106 2 2 1,106 2 2 1,106 2 2 1,106 2 2 4,106 2 2 1,106 2 2 4,107 3 4,107 3 4,107 3 4,107 3 4,107 3 4,107 3 4,107 3 4,107 3 4,107 3			274,925	60,630	26,781	308,774	140,612	46,219	6,594	180,237	41,356	869	632	41,593	72,662	12,911	6,057	79,516	96,796		,498		ω
3. 3,1,666 8,2,690 15,807 7,172 91,226 6,938 556 17,088 5 34,1,686 8,2,690 15,496 15,496 15,446 8,451 8,471 7,021 448 14,108 2 33,1483 83,116 14,666 8,451 8,371 7,021 448 14,108 2 2 39,1483 83,178 7,026 45,66 5,938 39,7 10,788 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4 3 3 4 3 3 4 3 3 4 3			280,347	68,453	28,229	320,571	141,832	52,739	6,643	187,928	42,320	1,051	636	42,735	74,458	14,305	6,010	82,754	96,796		1,940		∞
3 33,350 86,080 15,485 91,240 6,938 517 14,083 7 4 33,135 86,080 15,486 10,335 91,240 6,938 517 14,083 7 50 39,004 77,972 13,810 8,241 83,741 7,021 48 14,100 2 50 39,004 77,972 13,810 8,241 83,741 7,021 48 7 7 7 7 7 7 7 7 7 8 7 7 7 7 8 7 7 7 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 8 7 7 7 8 8 7 7 7 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8			285,897	66,493	33,476	318,914	138,091	49,332	8,393	179,030	41,110	819	843	41,086	82,690	15,807	7,172	91,325	6,938		,068		÷
44 33,183 83,116 14,565 8,970 88,711 6,938 397 10,767 2 20 30,604 7,3702 13,466 8,471 7,021 448 14,109 2 20 30,004 7,727 13,466 87,302 7,067 645 14,109 2 30 40,007 7,224 15,726 7,666 87,302 7,067 645 16,904 2 2 30 40,770 7,728 16,904 2,347 7,263 236 16,904 2 2 42,785 86,403 7,263 296 7,263 236 16,904 2 2 43,786 86,730 7,804 94,967 8,435 58 18,397 2 4,453 80 41,975 88,110 17,781 10,490 94,967 8,435 58 18,497 3,434 80 80 80 96,49 9,964 7,524 26,36			254,298	58,244	34,261	278,281	113,592	41,716	9,070	146,237	33,606	217	773	33,350	86,080	15,495	10,335	91,240	6,938		. 083		7
0 31,664 78,702 13,466 84,51 8,371 7,021 448 14,109 2 0 39,004 77,372 13,810 8,241 8,541 7,606 529 15,358 2 0 39,004 77,298 15,899 7,555 85,643 7,242 321 16,904 2 2 8,47,786 81,520 17,672 36,781 7,784 10,130 94,927 7,664 263 2,638 2 2 2 2 2 4,974 3,141 3,492 7,742 321 16,904 2 2 4,942 321 17,308 3,492 7,748 3,492 7,664 263 2,038 7 4,927 8,493 3,414 3,492 7,878 8,493 3,414 3,492 7 8,493 3,492 7 4,453 3,492 7 4,453 3,492 7 4,453 3,442 3,442 3,442 3,442 3,442 3,442 <td></td> <td></td> <td>243,513</td> <td>56,519</td> <td>29,906</td> <td>270,126</td> <td>108,722</td> <td>40,950</td> <td>8,775</td> <td>140,897</td> <td>33,971</td> <td>209</td> <td>1,394</td> <td>33,183</td> <td>83,116</td> <td>14,565</td> <td>8,970</td> <td>88,711</td> <td>6,938</td> <td></td> <td>, 191,</td> <td></td> <td>=</td>			243,513	56,519	29,906	270,126	108,722	40,950	8,775	140,897	33,971	209	1,394	33,183	83,116	14,565	8,970	88,711	6,938		, 191,		=
90 004 77,972 13,810 82,41 83,541 7,667 645 15,328 2 3 9,004 77,972 13,810 82,41 83,441 7,666 87,302 7,668 67,302 7,668 87,302 7,668 67,302 7,668 87,302 7,668 87,302 1,698 7,552 86,463 7,242 321 16,926 2 2 2 2 2 40,007 7,242 321 16,926 2 2 2 40,007 7,242 321 16,926 2 2 2 40,007 7,242 321 16,926 2 2 2 40,007 7,242 321 16,926 2 2 2 40,007 7,242 321 16,926 2 2 2 40,007 7,242 321 16,926 2 2 2 4,007 2 40,007 7,242 321 16,926 2 2 2 4,007 4,008 4,000 40,000 <td></td> <td></td> <td>237,192</td> <td>55,443</td> <td>31,056</td> <td>261,580</td> <td>105,496</td> <td>40,822</td> <td>7,585</td> <td>138,733</td> <td>31,864</td> <td>707</td> <td>910</td> <td>31,661</td> <td>78,702</td> <td>13,466</td> <td>8,451</td> <td>83,717</td> <td>7,021</td> <td></td> <td>1,109</td> <td></td> <td>-</td>			237,192	55,443	31,056	261,580	105,496	40,822	7,585	138,733	31,864	707	910	31,661	78,702	13,466	8,451	83,717	7,021		1,109		-
36 70 7 7242 15,726 7 666 7,656 85,643 7,263 16,904 2 2 6 42,667 77,298 15,899 7,555 86,643 7,426 231 16,904 2 2 86 43,765 86,730 17,903 9,645 94,988 7,849 311 17,336 2 2 86 43,765 81,187 10,139 94,277 7,654 253 20,810 3 4,977 87 41,767 81,187 10,139 94,277 7,654 253 20,810 3 4,927 7,658 13,863 32,239 16,869 3 4,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927 7,699 34,927			269,067	68,107	33,195	303,979	129,618	52,561	8,446	173,733	39,062	1,092	1,150	39,004	77,972	13,810	8,241	83,541	7,057		,358		Ť
3 4,0,070 77,298 15,889 7,555 86,643 7,242 32,1 16,904 2 2 6 4,3,786 83,162 16,742 9,103 90,791 7,654 253 20,810 2 2 8 4,3,786 87,187 17,879 10,139 94,927 7,654 253 20,810 2 2 2 4,347 3 3 4,347 3 3 4,347 3 3 4,347 3 3 4,347 3 3 3 4,927 3 3 3 3,488 3 4,927 3 3 3 3,488 3 4,927 3 3 3 3,488 3 4,927 3 3 3 3 3,488 3 4,927 3 3 3 3,488 3 4,927 3 3 3 3,488 3 4,927 3 3 3 4,927 3 4,487 4,927 <td></td> <td></td> <td>274,486</td> <td>74,555</td> <td>30,969</td> <td>318,072</td> <td>133,526</td> <td>57,270</td> <td>7,310</td> <td>183,485</td> <td>39,371</td> <td>1,030</td> <td>730</td> <td>39,670</td> <td>79,242</td> <td>15,726</td> <td>2,666</td> <td>87,302</td> <td>7,086</td> <td></td> <td>5,262</td> <td></td> <td>-</td>			274,486	74,555	30,969	318,072	133,526	57,270	7,310	183,485	39,371	1,030	730	39,670	79,242	15,726	2,666	87,302	7,086		5,262		-
6.6 43,786 83,152 16,742 91,03 90,791 7,263 226 15,926 2 2 6.4,378 86,736 17,903 96,45 94,988 7,664 231 17,396 2 2 86 43,786 86,730 17,303 96,45 94,987 7,664 233 20,810 7 4,347 86 71,276 86,10 17,781 10,340 94,827 7,664 28,26 20,830 7 4,347 86 20,239 18,244 17,286 37,275 96 4,672 24,462 36,487 36,482 36,482 36,482 36,482 36,482 36,482 36,482 36,482			274,297	80,141	32,052	322,387	133,445	62,631	6,965	189,111	39,408	1,290	628	40,070	77,298	15,899	7,555	85,643	7,242		,904		-
86 43.785 86,730 17,903 96,45 94,888 78,49 311 17,536 2 2 86 41,375 87,187 17,879 10,139 94,927 7,654 25,23 20,810 7 4,347 86 86,712 87,187 10,139 94,927 7,654 20,300 75 4,347 87 86,712 87,187 10,136 94,927 7,654 157 20,810 7 4,453 80 31,241 81,846 96,684 84,35 58 18,572 2,445 80 22,477 93,734 17,206 19,686 37,84 11,560 44,653 33,548 80 22,477 93,144 16,706 19,412 10,980 37,54 14,132 39,91 80 22,477 93,414 18,708 15,525 96,487 4,577 68 4,132 30,11 80 22,477 16,687 10,781 42,77			297,778	78,776	34,780	341,773	148,923	60,469	8,576	200,816	42,513	1,330	1,176	42,667	83,152	16,742	9,103	90,791	7,263		, 926,		
99 41,375 71,87 10,139 94,927 7,654 253 20,810 7 7 51 26,482 95 20,350 75 4,347 31,482 17,205 31,683 34,327 5,482 95 20,350 75 4,457 50 26,482 98,686 87,35 98 18,089 3 4,927 34,482 95 20,350 75 4,457 34,487 38 18,089 3 4,927 34,482 98 18,089 3 4,927 34,487 38 18,089 3 4,927 34,487 38 11,989 3 4,927 34,487 38 11,989 3,492 35,488 11,989 3,492 35,488 3,492 35,488 3,492 3 4,452 3,482 38 11,989 3,482 38 14,982 3,482 38 11,989 3,482 38 14,982 3,482 38 11,989 3,482 3,482 3,482 <			315,458	81,512	39,859	357,111	159,408	61,550	10,781	210,178	43,534	1,747	1,496	43,785	86,730	17,903	9,645	94,988	7,849		, 936		
86 86,712 88,110 17,781 10,940 94,951 8,345 58 20,350 75 4,347 20 35,482 98 68,435 58 18,089 3 4,927 20 31,650 93,734 17,205 13,663 97,275 8,269 34 15,752 2 4,452 22 24,41 78,981 12,628 96 47,57 10,960 257 3,448 80 22,41 96,981 12,628 96 49,451 60,18 427 11,960 257 3,901 80 22,647 96,049 19,481 13,437 15,715 9,481 11,960 257 3,901 90 250 17,021 18,981 19,481 16,713 3,901 10,781 18,682 3,412 19,681 3,412 19,681 13,472 13,682 3,412 13,782 18,682 18,682 18,682 18,412 19,681 19,412 19,681			316,716	75,982	46,845	345,853	158,666	56,404	14,026	201,044	42,399	1,445	1,869	41,975	87,187	17,879	10,139	94,927	7,654		, 810		
11 50,482 18,084 8,482 5,487 3,427 4,277 3,118 18,086 8,435 5,88 18,082 3,442 3,442 3,442 3,442 3,442 3,442 3,442 3,442 3,442 3,443 3,444 3,442 3,444 <th< td=""><td></td><td></td><td>313,126</td><td>80,075</td><td>52,470</td><td>340,730</td><td>153,563</td><td>61,281</td><td>14,276</td><td>200,568</td><td>38,426</td><td>842</td><td>2,556</td><td>36,712</td><td>88,110</td><td>17,781</td><td>10,940</td><td>94,951</td><td>8,329</td><td></td><td>-</td><td></td><td></td></th<>			313,126	80,075	52,470	340,730	153,563	61,281	14,276	200,568	38,426	842	2,556	36,712	88,110	17,781	10,940	94,951	8,329		-		
0.0 31,524 13,625 35,44 17,426 13,833 3,544 44,925 95,664 7354 167,724 45,735 45,735 167,727 167,727			307,244	7,840	50,104	328,980	145,955	52,802	12,421	186,336	37,600	732	2,851	35,482	92,239	18,243	11,816	98,666	8,435				
2.2.4.1 3.016 1.026 <			203,200	72 054	49,000	317,600	143,794	50,713	13,039	184 067	34,388	822	2,500	32,477	95,754	17,205	13,003	91,275	0,209				
10			278 500	80 432	40.485	318 447	134 563	61.814	026.6	186 457	34 108	813	2 480	32 441	87.898	17 298	12 532	92,663	6.378				
96 22,547 96,049 19,437 15,275 100,211 5,088 247 11,560 404 3,735 94 22,547 96,049 19,437 15,115 94,881 5,133 379 10,791 186 3,441 11 20,730 94,790 19,880 13,949 10,0721 4,577 666 7,457 128 4,214 15 31,249 12,170 94,032 4,477 666 7,457 128 4,214 16 31,249 12,170 94,032 4,577 666 7,457 128 4,214 16 31,249 12,170 94,032 4,477 166 7,457 128 4,214 17 28,025 28,928 12,987 96,954 4,502 1,607 8,701 23,43 3,441 18 31,220 12,887 92,200 7,702 1,607 8,701 3,185 3,441 3,441 3,441 3,441 3,442			284.177	85.465	39.083	330.558	139.219	66.381	9.081	196.518	34.528	774	2,136	33.186	89.550	17.626	13.024	94.151	6.018				
44 32,002 20,605 17,371 15,115 94,861 5,133 379 10,791 186 3,441 37 20,029 93,314 18,708 18,525 96,447 4,567 66 7,457 178 4,132 16 31,116 86,953 19,249 13,997 96,934 4,707 66 7,457 178 4,214 19 30,730 94,102 18,809 10,707 187 7,149 4,214 1162 7,542 37 4,141 19 30,710 18,809 10,707 1807 19,617 13 4,141 31,410 <td< td=""><td></td><td></td><td>282,536</td><td>91,296</td><td>40,637</td><td>333,195</td><td>131,539</td><td>70,317</td><td>7,878</td><td>193,978</td><td>33,845</td><td>891</td><td>2,189</td><td>32,547</td><td>96,049</td><td>19,437</td><td>15,275</td><td>100,211</td><td>5,808</td><td></td><td></td><td></td><td></td></td<>			282,536	91,296	40,637	333,195	131,539	70,317	7,878	193,978	33,845	891	2,189	32,547	96,049	19,437	15,275	100,211	5,808				
77 29 679 93.314 18,708 15,525 96,497 4,953 381 94,12 36 4,132 15 30,170 94,700 1,980 13,949 10,072 4,577 166 74,57 128 4,214 15 31,116 86,953 19,280 12,987 96,954 1,677 166 37 4,474 11,67 75,42 37 4,414 11,67 75,42 37 4,414 11,67 75,42 37 4,414 11,67 75,42 37 4,414 11,67 75,42 37 4,414 11,67 9,414 37 11,67 37 4,414 37 37 4,414 37 37 4,414 37 37 4,414 37 37 4,414 4,416 37 37 4,414 37 37 37 4,414 37 37 4,414 37 37 4,414 37 37 4,414 37 37 37 37			280,940	92,363	38,951	334,352	135,677	73,584	7,469	201,792	33,293	843	2,134	32,002	92,605	17,371	15,115	94,861	5,133		•		
11 30,730 94,790 19,880 13,949 100,721 4,577 666 7,457 128 4,214 (1.4) (284,496	93,637	38,576	339,557	141,404	73,518	6,910	208,012	31,281	994	2,597	29,679	93,314	18,708	15,525	96,497	4,953				
15 11 16 16 15 15 15 15			283,310	98,194	31,726	349,778	141,448	76,314	4,806	212,956	30,825	1,206	1,301	30,730	94,790	19,880	13,949	100,721	4,577				
9 20,522 88,066 21,136 12,987 96,894 4,502 1,786 9,357 9 36,466 7 227,788			283,328	100,263	30,938	352,653	149,298	78,317	5,770	221,845	30,923	1,508	1,315	31,116	86,953	19,249	12,170	94,032	4,472				
7 27.78 84.89 84.582 20.685 12.867 92.220 7.702 1.807 87.01 23 3430 3185 22.89 84.582 20.685 12.867 18.078 102.437 10.517 10.542 20.677 13.078 10.243 1.805 21.805 18.80 22.804 11.051 99.823 4.773 1.553 1.744 16 3.150 13.1207 89.83 2.208 11.657 101.800 4.773 1.751 1.751 7.236 4.3 3412 22.805 22.805 23.805 23.805 23.805 23.805 23.805 23.805 23.805 23.805 23.805 23.805 23.805 23.805 24.756 85.510 18.651 13.543 88.619 4.878 1.756 7.589 23.905 2.906 23.805 14.270 13.397 77.809 4.405 446 93.93 32 5.647 11.661 16.169 76.805 13.735 13.526 77.809 4.405 440 93.93 32 5.647 11.667 13.526 72.244 13.102 14.357 70.808 4.405 411 11.877 33 5.647			295,343	104,000	33,548	353,986	146,687	79,419	5,907	220,199	30,104	1,637	1,219	30,522	88,806	21,136	12,987	96,954	4,502				
2 28,992 81,002 20,497 10,105			284,601	106,556	29,926	349,123	141,054	81,968	4,150	218,872	26,603	2,063	86/	27,798	84,592	20,695	12,367	92,920	7,702				
1 17.07 90,370 23.186 11,667 101,800 4,773 1,761 7,236 43 3,412 3,			270,042	114 450	26,004	367.261	146, 14 1	86.503	4, 14	231 706	26,010	3.305	750	28,033	200,100	22,437	11.051	00 823	4 773				
3 31,527 88,834 22,018 12,053 98,798 4,773 2,760 7,279 32 3,630 2,28,732 86 85 453 20,917 11,608 94,775 3,839 2,899 8,435 81,510 18,651 13,543 86,19 4,357 7,098 4,405 407 411,197 33 5,647			292.252	129.963	26.745	395,470	159,358	99.987	3.548	255.797	27.103	4.985	881	31.207	90,370	23.186	11.667	101.890	4.773	·			
2 28,732 85,453 20,917 11,608 94,763 4,803 2,399 7,386 53 2,996 3 2,396 3 2,399 2,324,756 83,510 18,651 13,543 88,619 4,878 17,56 7,589 34 4,233 18,196 18,189 76,935 14,779 13,397 77,809 4,405 407 7,448 32 4,295 16 16,683 73,959 13,735 13,526 74,169 4,405 446 9,393 32 5,647 16,665 72,244 13,102 14,357 70,988 4,405 411 11,877 33 5,647			293,414	131,106	27,568	396,952	162,196	100,723	3,858	259,061	26,702	5,572	748	31,527	88,834	22,018	12,053	98,798	4,773				
2 4,756 83,510 18,651 13,543 88,619 4,878 1,756 7,589 34 4,233 81,947 8,1967 9 81,214 17,319 14,752 83,77 84,352 84,7 6,901 52 5,158 1 16,189 76,935 14,270 13,397 77,809 4,405 407 7,448 32 4,295 16 16,663 73,959 13,735 13,526 74,169 4,405 446 9,393 32 5,647 1 16,655 72,244 13,102 14,357 70,988 4,405 411 11,877 33 5,647			283,384	120,968	26,724	377,628	157,944	92,928	3,992	246,879	24,802	4,671	742	28,732	85,453	20,917	11,608	94,763	4,803				
18 19,679 81214 17,319 14,739 83,77809 4,405 847 6,901 92 5,158 116 16,189 76,935 14,270 13,397 77,809 4,405 407 7,448 32 4,296 16 16,663 73,959 13,735 13,526 74,169 4,405 446 9,393 32 5,647 11 16,655 72,244 13,102 14,357 70,988 4,405 411 11,877 33 5,647			266,066	98,772	30,544	334,294	143,411	75,090	4,249	214,252	22,445	3,240	930	24,756	83,510	18,651	13,543	88,619	4,878				
1 16,189 76,935 14,270 13,397 77,809 4,405 407 74,448 32 4,295 16,663 73,959 13,735 13,526 74,169 4,405 446 9,393 32 5,647 11 16,656 72,244 13,102 14,357 70,988 4,405 411 11,877 33 5,647			235,140	72,332	32,967	274,504	119,049	51,857	5,104	165,801	18,466	2,258	1,045	19,679	81,214	17,319	14,759	83,774	4,352		901	2 5,1	
10,003 73,999 13,702 14,357 70,988 4,405 411 11,877 33 5,647			203,123	52,792	30,139	225,775	94,868	36,273	4,208	126,933	15,172	1,809	791	16,189	76,935	14,270	13,397	77,809	4,405		5,448	2 c 2, r	
may not add to totals because of rounding. Data have been revised. xxeelsior bolts, chemical wood, shingle bolts, and miscellaneous items.			210,092	53,369	40 106	230,052	109 181	38.041	9,09	140 228	16,237	1,787	0,510	16,655	72.244	13,730	13,320	70 988	4,405		6 252	2 6	
Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board. Yncludes cooperage logs, poles and piling, tence posts, hewrites, round mine timbers, box bolts, exceisior bolts, and miscellaneous items. Yncludes cooperage logs, poles and piling, tence posts, hewrites, round mine timbers, box bolts, exceisior bolts, and miscellaneous items. Yncludes cooperage logs, poles are not included in total production.	S. Department o	f Agriculture, F	prest Service	(22); U.S Inte	ernational T	rade Commis	ion(83); Data	may not ad	d to totals be	cause of roun	ding; Data ha	ve been revi	sed.	5		;		2	,			ì	
Includes cooperage logs, poles and piling, fence posts, hewn lies, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. Piprior 10989, pulwood ripps are not included in froat production. Piprior to 10999, pulwood Loss are not included in Loss.	Sudes pulpwood	and the pulpw	ood equivaler	t of wood pu	and pape	r and board.																	
Prior to 1989, pulpwood chips are not included in total production. Prior to 2000. Pulpwood Loss are not included in Loss.	cludes cooperag	e logs, poles ar	nd piling, fenc	e posts, hew	n ties, round	ว mine timber.	s, box bolts, €	excelsior bol	ts, chemical	wood, shingle	bolts, and mit	scellaneous	tems.										
Phor to 2000. Puluwood Loos are not induded in Loos.	ior to 1989, pulp	wood chips are	not included	in total produ	uction.																		
	ior to 2000, Pulp	wood Logs are	not included	in Logs.																			

Table 7a—Production, imports, exports, and consumption of hardwood timber products, by major product, 1955–2011 (million cubic feet, roundwood equive." Industrial roundwood use

÷ 3	g ģ	pue.	tion 1	_	8	4 (. .	37	17	84	_	98	9 9	2 8	22	50	2 !	÷ 5	2 2	75	49	4	91	e e	္ တ္	45	ρg	. x	88	<u>ල</u> ද	3 2	91	4 :	<u>~</u> 7	- 6	: ₽	52	65	8	8 8	5
Fuel-	bood produc-	≖.	sumption		853	874	006	1,037	1,017	1,048	991	1,086	1,039	1.238	1,572	1,820	2,070	2,227	2,320	2,991	2,849	2,914	2,416	2,393	2,349	2,945	2,308	1,783	1,798	1,609	1.322	1,316	1,314	1,313	102,1	1,247	1,255	1,259	1,300	1,223	-
		Pulpwood chip ^d	- x - borts	z	z	2 2	z	z	z	z	N I	2 1	1 2	z	z	z	и и	z	z	z	z	z	z	117	. 1	174	270	216	245	292	265	262	226	<u>4</u> %	6 4	4	38	46	20	22	ŧ
		Pulpy	- Doorts	z	z	z z	z	z	z	Z	z	2 4	2 2	z	z	Z	z z	z	z	z	z	z	z	ч и	· -	0		S.	2	ഗ	۱ ۵	0	-	0 (4	4	∞	7	7	4 0	0
		e L	ports	13	12	9 ;	5 5	5 =	6	15	18	19	= 4	5 4	48	21	24	6 4	5 6	20	18	22	24	33	32	45	S &	42	43	4 5	23	09	92	96	8 6	19	88	78	82	0 2	0
		Logs	ports	6	œ	۱ م	٠ «	၀ ဖ	2	4	4	2	ი ი	1 0	က	7	7 0	V C	o 4	2	2	4	7	٦ ٣	0 0			. ო	4	വ വ	- 9	9	ග ්	; 9	= =	: 0	15	6	2	დ 7	1
Other	industnal products,	production	and con- sumption ^c	260	255	230	234	299	268	223	208	173	150 135	145	155	160	170	187	196	205	509	219	218	240	264	259	787	188	182	161	143	140	141	84 6	149	149	149	150	153	136	3
	= 0.		consump- a		980'।	030	1,050	1,176	1,117	1,183	305	1,411	1,025	177	1,321	1,344	,282	1,342 1,328	1,628	1,732	1,864	2,057	2,014	2,078	2,103	2,063	2,182	2,423	2,692	2,574	2.757	2,771	2,799	2,752	2,137	2,504	2,519	2,473	2,229	1,840	
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		-based	s ports				7 A	•		92			8 8					2 2						205				_		357		_	317	305				283		297	
		poowdin	- mr- ports ^b	191	210	191	187	187	195	201	227	257	163	192	230	234	218	222	278	325	357	381	380	390	394	361	393 454	480	226	230	624	999	70	707	735	762	299	721	610	457	
		<u>.</u>	tion	864	941	907	1 040	1,112	1,012	1,074	1,173	1,277	952	1.075	1,188	1,216	1,209	1,236	1,503	1,549	1,660	1,869	1,824	1,892	1,937	1,964	2,080	2,240	2,499	2,401	2.459	2,416	2,415	2,350	1 970	2,009	2,035	2,034	1,911	1,680	
			consump- tion	180	193	184	224	219	257	296	251	178	174	205	220	195	138	5 4 6 5 0	241	226	239	244	277	245	157	138	142	156	172	161	191	205	212	244	233	291	290	279	248	189	
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		au	ports po		92	9 92	2 20	20	132	164	132	98	2 2	117	130	108	62	20	140	125	149	152	179	150 85	71	09	= =	. 29	92	20	n 88	86	96	03	23	78	92	74	150	2 8	
		WIA.	rioduc- tion p				177	- ~	`	`	`		79 1					0 40						101			08			105		116		149	119		125 1	113		93	
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			consump-	1,691	1,747	1,653	1,572	1,721	1,507	1,533	1,604	1,528	1,291	1.520	1,571	1,636	1,575	202,1	1,502	1,741	1,684	1,816	1,941	1,909	2,053	1,833	2,014	2,039	2,089	2,059	2.137	2,173	2,115	1,970	1,972	1,886	1,914	1,811	1,738	1,089	
		Lumber	ports	17	35	32	- 1	50	35	35	32	35	35	32	20	20	87	0 0	88	92	71	91	130	208	151	164	182	193	184	190	185	206	226	213	202	222	225	249	209	165	
		3	ports	28	73	9 8	2 6	67	62	78	96	78	4 6	8 8	63	99	51	27	45	22	63	09	88	53	6	37	5 K	64	62	99	96	118	138	112	138	173	187	133	91	63	
			tion	1,650	1,709	1,628	1,529	1,674	1,480	1,489	1,543	1,484	1,282	1.495	1,578	1,640	1,611	5,7	1,543	1,775	1,691	1,846	1,982	2,064	2,163	1,961	2,003	2,168	2,212	2,183	2.226	2,261	2,203	2,070	1 837	1,935	1,953	1,927	1,857	1,191	
		İ	consump- tion	3,136	3,290	3,105	3,087	3,445	3,154	3,240	3,372	3,295	2,643	3.050	3,270	3,336	3,168	2,930	3,571	3,909	4,001	4,340	4,452	4,474	4,579	4,295	4,488	4,814	5,144	4,966	5,238	5,295	5,278	5,023	2,003	4,845	4,895	4,725	4,374	3,263	
			-x- ports	68	112	119	2 2	3 ≥	135	44	151	181	9 4	5 5	186	198	259	2430	260	256	244	310	347	451 520	537	658	713	292	849	893	837	842	869	765	601	658	645	664	647	615	3
		Tot	Dorts		357	323	353	367	394	448	459	426	310	372	426	410	333							595 548			582			674				932	1010	1,127	1,152			633	000
			tion t				2,842						2,473					2,000		3,652				4,330 6			4,717			5,186				4,857 9						3,245 6	
		All products	tion tion	es			3,987						3,682		4,842	5,156	5,238		6,373			7,254		6,866			6,730			6,575			6,592							4,486	
		₹.	Troduc-	3,763	3,897	3,774	3,742	4,249	3,912	3,983	4,055	4,137	3,512	4,059	4,602	4,944	5,163	2,004 PBO	6,166	6,643	6,521	6,967	6,566	6,722	6,957	7,438	6 901	6,738	7,086	6,795	6.580	6,571	6,514	6,169	5,995	5,623	5,643	5,608	5,464	4,468	
			Year	1965	1966	1967	1968	1970	1971	1972	1973	1974	1975	1977	1978	1979	1980	1001	1983	1984	1985	1986	1987	1988	1990	1991	1992	1994	1995	1996	1998 ^r	1999	2000	2001	2002	2004	2002	2006	2007	2008	2003

⁸U.S. Department of Agriculture, Forest Service (22); U.S International Trade Commision(83); Data may not add to totals because of rounding. Data have been revised.

⁸Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board.

⁸Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

⁸Prior to 1990, Pulpwood chips are not included in total production.

⁸Prior to 2000, Pulpwood Logs are not included in Logs.

⁸Not available.

⁸Revised

Table 7b—Production, imports, exports, and consumption of hardwood timber products, by major product, 1965-2011 (thousand cubic meters, roundwood equivalent)

Particular Par																							
Mood-based production production Logs* Logs* Pulpawood child Inn. Ex. Consump- and con- line Inn. Ex. Inn. Ex. Dorls* Inn. Inn. Inn. Inn.																			products,				
Imp. Ex- Consump. and con- Imp. Ex-		All products		T	otal			Lur	nber		Ā	ywood ar	d vene		Pul	pwood-ba	sed produc	ts	production	Log	i	poowd	thip ^d tion and
ports ² pionts ² <th< th=""><th></th><th>c- Consump-</th><th></th><th>₫</th><th>Ė</th><th>Consumb-</th><th>Produc-</th><th>Ė</th><th></th><th>-dunsuo;</th><th>Produc-</th><th></th><th></th><th></th><th>Produc-</th><th>Ė</th><th></th><th>Consump-</th><th>and con-</th><th></th><th></th><th></th><th>÷</th></th<>		c- Consump-		₫	Ė	Consumb-	Produc-	Ė		-dunsuo;	Produc-				Produc-	Ė		Consump-	and con-				÷
5,407 1,638 28,227 7,362 0 369 z z 5,441 1,828 30,754 7,221 241 342 z z 5,284 1,302 29,748 6,513 195 439 z z 6,110 2,467 33,966 8,471 172 312 z z 5,534 2,684 3,685 182 363 z z z 5,534 2,685 3,685 122 267 3 3 6,438 2,695 36,966 6,884 113 516 z z 7,271 3,485 3,685 6,884 173 516 z z 6,438 2,695 36,956 6,884 173 516 z z 6,410 3,686 3,686 6,884 173 516 z z 6,410 4,101 3,686 6,884 173 516 2<		tion		ports	ports	tion	tion	ports		tion	tion		ctrs		tion	ports	ports ^b	tion	sumption ^c				rts sumption
6.421 1,828 30,754 7,221 241 342 5 5.299 2,103 29,74 6,615 208 430 7 5.294 2,819 33,985 8,471 172 312 7 5.648 2,819 33,985 8,471 172 312 7 5.648 2,895 38,985 8,471 172 312 7 5.648 2,895 38,985 6,884 113 186 7 7,271 3,485 38,985 6,884 113 186 7 7,271 3,485 39,985 1,4106 88 406 7 6,512 2,733 37,409 4,389 81 502 7 6,624 3,809 37,641 8 6,234 3,809 37,641 8 6,234 3,809 37,641 8 6,234 3,809 37,641 8 6,234 3,809 37,641 8 6,234 3,809 37,641 8 6,234 3,825 38,086 6,187 10 6,237 3,820 38,086 6,187 10 6,237 3,820 38,086 6,187 10 6,238 1,97 4,010 4,0051 5,738 136 56 894 7 11,147 6,288 8,943 6,187 10 11,147 6,288 8,943 8,148 81 18 30 10 11,148 8,819 8,944 13 11,148 8,819 8,944 13 11,148 8,819 8,944 13 11,149 19,898 8,944 13 11,140 1,282 1,148 11 117 1,213 129 6,94 119 11,140 1,143 8,839 6 11,140 1,143 8,839 6 11,140 1,143 8,839 6 11,140 1,143 8,839 8 11,140 1,143 8,839 8 11,140 1,143 8,949 11 10 11,143 8,941 11 11 1,149 1			82 449	8 848	2510	88.810		1649	493	47 876	3.540	544	5	5 097	24 458	5 407	1638	28 227	7 362	c	598	2	24 102
5,421 1,330 29,178 6,573 196 439 2 5 5,229 2,103 29,178 6,573 196 439 2 5 5,229 2,103 29,741 6,615 208 430 2 5,529 2,103 29,741 6,615 208 430 2 5,529 2,103 29,341 6,615 208 430 2 5,529 2,103 29,343 7,589 128 267 2 5,549 2,549 39,533 7,589 128 267 2 5 5,549 2,549 39,533 7,589 128 267 2 5 5,439 2,549			86.212	10 106	3 171	93 152		2.076	987	49 472	3,625	1849	. 4	5.465	26 642	5 94	1,828	30.754	7 224	241	342	N	24 149
6,299 2,103 29,741 6,615 208 430 2 6,110 2,467 33,389 7,665 182 363 2 6,514 2,564 31,389 7,665 182 363 2 6,643 2,654 31,683 7,989 127 425 2 6,438 2,664 36,833 7,899 127 425 2 6,438 2,665 36,963 6,986 127 425 2 7,271 2,543 29,022 4,248 77 300 2 2 6,438 2,649 2,694 4,006 68 427 2 2 6,438 2,649 3,683 4,106 68 427 2 2 6,410 4,106 68 437 4 428 61 8 2 2 6,438 2,649 4,006 4,007 4 4 2 2 2 <t< td=""><td></td><td></td><td>82.121</td><td>9.142</td><td>3,372</td><td>87,913</td><td></td><td>1.691</td><td>282</td><td>46,817</td><td>3.370</td><td>1,835</td><td>. 72</td><td>5,210</td><td>25.687</td><td>5,421</td><td>1.930</td><td>29.178</td><td>6.513</td><td>195</td><td>439</td><td>N</td><td>24,752</td></t<>			82.121	9.142	3,372	87,913		1.691	282	46,817	3.370	1,835	. 72	5,210	25.687	5,421	1.930	29.178	6.513	195	439	N	24,752
6,110 2,467 33,389 7,685 182 383 2 2 5 5 5 5 2 4 2,819 33,385 8,471 172 312 2 5 5 5 5 6 6 2 2 4 31,633 49 6,326 128 267 2 5 6 6 6 3 3,499 6,326 127 425 2 5 5 6 6 6 3 6 4 9 6 3 2 6 6 4 3 6 3 3 6 9 6 3 2 6 1 7 2 1 2 5 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			80,478	9.991	3,049	87.408		1.702	493	44,501	3,596		ន	6,343	26,545	5,299	2.103	29.741	6.615	208	430	N	25,495
5.284 2.819 33.986 8.471 172 312 z			84,362	11,603	3,355	92,620		2,203	493	44,996	3,341		32	6,428	29,716	6,110	2,467	33,359	7,655	182	363	2	25,542
5,517 2,554 31,633 7,599 128 267 7 5,695 2,695 2,695 3,499 6,326 127 425 7 6,438 2,695 3,896 3,893 1,29 12 425 7 7,271 3,485 3,893 4,906 140 538 2 2 5,439 2,543 3,823 4,906 440 7 300 2 6,571 2,733 37,409 4,581 66 88 7 2 2 6,671 2,733 37,409 4,389 81 502 2 2 6,107 3,600 38,041 4,551 66 88 4 67 8 2 2 2 6,204 4,010 38,041 4,551 66 88 4 67 8 3 2 2 2 6,204 4,010 38,041 4,551 66 88			90,934	10,382	3,787	97,545		1,907	999	48.735	3.256		06	6.201	31,499	5,284	2,819	33,965	8,471	172	312	2	29,373
5,686 2,616 33,499 6,326 127 425 z z 7,271 2,648 2,686 5,884 113 516 z z 7,271 2,648 39,922 4,989 140 538 z z 5,439 2,648 33,534 4,989 140 538 z z 6,410 2,648 33,534 4,106 688 406 z z 6,410 4,101 38,002 4,814 61 688 z z z 6,420 3,803 37,419 61 688 z z z 6,430 3,806 4,814 61 688 3 z z z 6,400 4,010 4,914 4,514 61 688 z z z 6,104 4,101 3,636 4,814 61 688 z z z 1,1,104 3,883			81,985	11,159	3.834	89.325		1,765	286	42.687	3.540		56	7.277	28.671	5,517	2,554	31.633	7.599	128	267	2	28,800
6,438 2,685 36,986 5,884 113 516 2 2 7,271 3,485 38,983 4,999 140 538 2 2 2 2 4,484 77 300 2 2 2 4,484 77 300 2 4,288 77 300 2 2 2 2 2 4,433 4,106 68 4,60 2 3			83.110	12.690	4.076	91.733		2.214	286	43,399	3.766		8	8.382	30.420	5,695	2,616	33,499	6.326		425	N	29,664
7,271 3,485 3,953 4,909 140 538 7 7 4,617 2,543 29,022 4,248 77 300 7 7 6,543 2,643 33,634 4,389 140 6,84 427 7 7 6,621 2,733 37,409 4,389 81 502 7 7 6,621 3,000 38,044 4,531 66 88 7 7 6,224 3,000 38,044 4,531 66 88 7 7 6,224 3,620 38,035 6,997 61 712 7 7 6,224 3,680 3,7613 5,244 61 66 8 7 7 6,103 4,010 4,010 4,024 61 6 8 7 7 6,104 5,244 10 6,64 10 36 8 2 2 2 10,103 3,			86.763	12.986	4 274	95.477		2 707	782	45.416	3.455		92	7 108	33.213	6.438	2,695	36.956	5 884		919	2	28.076
4,617 2,643 2,002 4,248 77 300 2 2 5,439 2,643 2,644 4,834 6 6,834 6 6,834 2,645 2,644 2,645 6,844 102 5,64 2,744 2,744 102 5,644 102 5,644 102 5,644 102 5,64 2,644 2,644 102 5,644 102 5,644 2,644 2,644 2,644 2,644 2,644 2,644 2,644 2,644 2,644 2,644 2,644 2,644 2,644 2,644			86.396	12 054	5 132	93.310		2 2 18	287	43.267	2 747		23	5.040	36.168	7 27 1	3 485	39 953	4 909		538	2	30.739
6,443 2,553 33,331 4,106 68 406 z z 6,412 2,733 31,406 68 406 z z 6,512 2,733 37,409 68 406 z z 6,160 4,101 36,306 4,3814 61 688 z z 6,160 4,101 36,306 4,814 61 688 z z 6,207 38,205 5,697 61 712 z z 7,889 4,335 46,104 5,544 102 505 z 0,197 4,010 49,051 5,798 136 569 z z 0,197 4,010 49,051 5,798 136 569 z z 0,197 4,010 45,016 5,825 129 504 z z 0,197 4,010 4,010 5,844 102 506 z z z <tr< td=""><td></td><td></td><td>20.039</td><td>8 766</td><td>3 963</td><td>74 837</td><td></td><td>1 243</td><td>987</td><td>36.563</td><td>2 2 3 7</td><td></td><td>34</td><td>4 927</td><td>26 948</td><td>4 617</td><td>2 543</td><td>20 02</td><td>4 248</td><td></td><td>300</td><td>2</td><td>29,407</td></tr<>			20.039	8 766	3 963	74 837		1 243	987	36.563	2 2 3 7		34	4 927	26 948	4 617	2 543	20 02	4 248		300	2	29,407
6,512 2,733 3,331 4,106 68 406 2 2 6,612 2,733 3,331 4,106 68 406 2 2 2 2 2 3 3,331 4,106 68 406 58 2 2 6,160 3,800 38,041 4,181 61 688 2 2 2 2 3 3,331 4,106 68 406 583 2 2 6,100 38,041 36,306 4,814 61 688 2 2 2 2 3 2 3 3 4,010 38,041 36,294 102 5,294 102			27.066	10.401	4.210	83.271		1.422	286	40.129	2.379	•	47	5.720	30.743	5.439	2.648	33.534	3.823		427	2	28.777
6,671 2,733 37,409 4,389 81 502 2 2 6,616 3 3000 38,041 4,531 66 583 2 2 6,100 38,041 4,531 66 583 2 2 6,100 38,041 38,306 50,97 61 712 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			79.871	10.532	4.062	86,360		1.696	286	43.050	2.577		16	5.805	30.441	5.443	2.553	33.331	4.106		406	2	35,060
6,621 3,000 38,041 4,531 66 583 2 2 6,516 4,101 36,306 4,814 61 688 2 2 6,204 3,803 34,041 4,531 61 688 2 2 6,204 3,803 37,613 5,297 81 712 52 2 2 7,869 4,335 44,104 5,544 102 505 2 2 2 2 7,869 4,335 44,104 5,544 102 505 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			85,798	12,054	5,266	92,590		1,783	1.973	44,482	2,605		88	6,230	33,630	6,512	2,733	37,409	4,389		502	2	44,520
6,160 4,101 36,306 4,814 61 688 7 7 7 6,207 3,820 38,005 6,097 61 712 7 7 86 6,294 3.36 4,814 61 688 7 7 7 8 3 6,294 3.36 4,814 61 6,147 7 12 2 8 4,335 46,104 6,544 102 5,925 7 8 3 4,295 4 102 5,925 7 8 3 4,295 4 102 5,925 7 10,750 5,381 57,012 6,167 63 6,69 7 7 12 6,914 102 5,925 11,144 5,925 11,140 6,815 5,925 12,140 6,815 5,925 11,140 6,815 5,925 12,140 6,815 5,925 11,140 6,815 5,925 12,140 6,815 5,925 11,140 6,815 5,925 12,140 6,815 5,925 12,140 7 10,722 7,463 69,59 6,733 27 1,283 9,4 9,34 11,143 12,823 11,144 12,143 12,823 11,144 12,143 12,823 11,144 12,143 12,144 12,143 12,144			88,485	11,597	5,617	94,473		1,856	1,973	46,313	2.520		8	5,522	34,420	6,621	3,000	38,041	4,531		583	2	51,527
6,297 3,820 38,005 5,097 61 712 7 7 7,89 3,81 422 7 7,89 4,335 46,107 6,594 102 5,944 102 5,944 102 5,944 102 5,944 102 5,944 102 5,944 102 5,944 102 5,944 102 5,944 102 5,944 102 5,944 102 5,945 129 5,94 7 10,775 5,965 5,824 5,129 12,94 7 12 6,187 12 6,1			87,579	9,435	7,329	89,690	45,622		2,467	44,601	2,209		74	3,908	34,247	6,160	4,101	36,306	4,814		688	z	58,628
6,294 3,683 37,613 5,287 83 422 z z z 4,788 4,4010 49,017 5,544 1010 49,017 5,544 1010 49,017 5,544 1010 49,017 5,544 1010 49,017 5,544 1010 49,017 5,544 1010 49,017 5,544 1010 49,017 5,544 1010 49,017 5,545 100 503 z z z 11,017 6,268 5,824 6,187 120 633 z z z 11,014 6,268 5,844 5,188 55 923 z z z 11,014 6,268 5,944 7,386 55 923 z z z 11,014 6,268 5,944 7,386 58 39,966 133 3,325 11,148 6,481 5,544 7,480 4,994 11,133 8,293 61,748 8,118 30 1,015 31 6,401 11,148 6,481 7,2482 7,487 73 1,195 31 6,401 11,188 6,343 66,590 5,337 73 1,195 13 6,401 11,195 7,202 7,443 66,590 5,337 73 1,195 13 6,401 11,195 7,202 7,432 19,71 11,149 66 7,862 7,867 7,874 1,102 6 4,035 7,432 19,822 8,948 7,333 27 1,144 66 7,862 7,867 7,864 1,346 27,127 1,017 1,018 1,			80,887	9,891	2,096	83,688	37,336		2,467	36,306	2,124		86	4,219	35,618	6,207	3,820	38,005	2,097		712	2	63,066
7,889 4,335 44,104 5,544 102 505 7 7 10,107 49,051 5,788 136 569 7 7 7 10,107 5,246 5,824 6,187 120 633 7 7 7 11,1041 5,05 5,88 5 8,246 6,187 120 633 7 7 7 11,1041 5,05 5,88 12,07,103 5,88 12,07,103 5,88 12,07,103 5,88 12,07,103 5,88 11,104 6,481 5,570 1,107 6,106 13 3,325 11,114 6,481 5,570 11,104 6,481 5,570 11,104 6,481 5,570 11,104 6,481 5,570 11,104 6,481 5,570 11,104 6,481 5,570 11,104 6,481 5,570 11,104 6,481 5,570 11,104 6,481 5,570 11,105 11,104 6,481 5,570 11,104 6,481 5,570 11,107 11,103 11,104 6,481 5,570 11,107 11,103 11,104 6,481 5,570 11,107 11,103 11,104 6,481 11,103 11,104			83,255	10,175	6,004	87,410	39,845		1,820	39,066	2,690		62	5,352	35,001	6,294	3,683	37,613	5,297		422	N	82,687
9,197 4,010 49,051 5,798 138 569 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			95,261	13,232	7,366	101,114	43,696		2,442	42,539	2,945		83	6,824	42,570	7,869	4,335	46,104	5,544		505	N	79,353
10,103 4,324 52,781 5,925 129 504 7 7 7 100 17.75 5,465 5,8246 6,187 120 633 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			103,420	14,479	7,241	110,679	50,273		2,595	49,294	2,917		22	6,400	43,865	9,197	4,010	49,051	5,798		699	N	84,688
10.775 5.465 58.246 6,187 120 633 z z 10.776 5.865 58.246 6,187 120 633 z z 11.041 6.805 58.824 5,187 8.8 56 93 z z 11.171 6.268 59.442 7,386 83 966 13 3.325 10.225 56.364 7,332 27 1283 21 3.238 11.133 8.293 61.748 8,118 30 10.15 31 6,401 13.589 7.463 68.266 7.332 27 114 6,401 6,401 13.589 7.861 18 30 10.15 31 6,401 6,402 15.02 66.106 8.285 7.611 17 121 12 6,401 6,402 6,402 14 6,114 6,401 6,402 6,402 13 6,402 14 6,402 14 14 <t< td=""><td></td><td></td><td>103,963</td><td>16,236</td><td>6,903</td><td>113,295</td><td></td><td></td><td>2,003</td><td>47,682</td><td>2,631</td><td></td><td>73</td><td>6,768</td><td>47,011</td><td>10,103</td><td>4,324</td><td>52,791</td><td>5,925</td><td></td><td>504</td><td>N</td><td>80,687</td></t<>			103,963	16,236	6,903	113,295			2,003	47,682	2,631		73	6,768	47,011	10,103	4,324	52,791	5,925		504	N	80,687
10.760 5.381 57.012 6.167 63 676 7 7 1.171 8.0626 58.822 6.788 63 966 133 3.25 11.148 6.481 59.514 7.486 83 968 61 33 3.325 11.148 6.481 59.514 7.486 84 994 21 3.238 11.148 6.481 59.514 7.480 46 994 21 3.238 11.148 6.481 59.514 7.480 46 994 21 3.238 11.148 6.481 59.514 7.480 46 994 21 3.238 11.1588 8.293 61.748 31 1.7123 9 4.934 11.158 8.433 68.596 5.37 1.074 31 56.42 11.159 8.298 7.297 73 1.195 1.34 6.114 11.150 9.298 7.7027 4.382 197 1.449 66 7.862 19.866 78.542 4.059 1.97 1.449 66 7.862 19.867 70.07 72.84 4.059 1.97 1.449 66 7.862 19.868 78.543 3.983 2.983 2.88 2.598 2.68 2.898 19.868 78.47 4.229 2.88 2.898 1.299 19.869 7.153 69.47 4.222 3.26 6.389 19.869 7.153 69.47 4.222 3.26 6.389 17.270 8.282 6.3109 4.259 2.22 2.056 91 1.291 17.208 8.002 70.037 4.259 2.22 2.056 91 1.291 17.208 8.396 55.184 3.906 4.95 2.121 2.17 1.004 11.382 11.108 54.801 3.906 4.39 1.881 2.17 1.004			114,765	16,902	8,785	122,883			2,580	51,412	2,729		20	6,918	52,936	10,775	5,465	58,246	6,187		633	N	
11,171 6,286 58,822 6,788 55 923 7 1 1 1 1,171 6,286 89,44 21 3,325 1,1,148 6,481 56,514 7,386 89 994 21 3,235 1,1,148 6,481 56,514 7,380 49 994 21 3,238 1,1,148 6,481 56,514 7,480 46 999 4 21 3,238 1,1,148 2,1			117,499	18,389	9,836	126,052			3,670	54,975	2,889		60	7,835	51,642	10,750	5,381	57,012	6,167		929	2	
11,146 (268 89.442 7.386 83 966 133 3.325 11,148 (281 95.314 7.380 46 96 133 3.325 10,222 7.463 68,366 7.333 27 1.283 9 4.934 12,283 7.96 86,106 8.265 37 1.075 31 6.401 12,289 8.433 68,580 5.337 73 1.196 134 6.114 15,824 10,359 76,277 73 1.196 134 6.114 16,677 10,796 77,027 4.932 197 1449 66 7.862 17,670 9,230 78,174 4.059 174 1.502 58 7.497 19,589 8.467 76,864 1.346 271 2.710 6 4.035 20,020 8,655 78,054 1.346 271 2.710 6 4.035 20,020 8,655 78,054 1.346 271 2.710 6 4.035 21,586 7.634 7.037 4.232 20.3 2.802 105 1.230 21,588 8.000 71,323 4.232 20.3 2.802 105 1.230 21,588 8.000 71,323 4.232 20.3 2.802 105 1.230 21,588 8.000 71,323 4.232 20.3 2.802 105 1.230 21,598 8.409 5.2,096 3.860 149 1.972 100 1.343 21,508 8.000 71,323 4.232 2.203 2.803 1.801 21,508 8.000 71,323 4.232 2.203 2.803 21,608 8.000 71,323 3.906 4.95 2.171 2.144 11,800 8.282 6.3,109 4.325 1.95 2.203 2.17 1.104 11,302 11,108 5.4,801 3.906 4.93 1.851 2.17 1.004			122,607	16,858	12,795	126,669	58,448		5,895	54,057	2,863		73	6,948	53,585	1,04	5,805	58,822	6,788				
11,148 6,481 6,481 6,581 7,480 46 984 21 3238 10,223 6,7463 68,586 7,333 27 1,015 31 6,401 11,588 7,967 66,106 8,286 77 1,017 12,13 15,642 13,589 8,433 66,560 6,326 77 1,017 12,13 15,642 11,582 10,359 76,217 5,151 117 1,213 129 6,946 116,517 10,107 72,887 4,582 197 11,419 165 8,348 16,677 72,887 4,582 197 11,419 165 8,348 16,677 72,887 4,582 197 11,419 165 8,348 16,677 10,726 77,287 4,382 197 11,419 16,829 17,432 19,822 1982 1982 1982 1982 1982 1982 1982 1			128,930	15,511	15,016	129,426	926,69		4,257	57,443	2,738		66	4,939	54,539	11,171	6,268	59,442	7,386				
12,582 7,967 66,106 8,265 37 1,125 39 4,394 11,135 82.93 61,748 8,118 30 11,135 80 8,435 82.93 61,748 8,118 30 11,135 80 8,435 82.93 61,748 8,118 30 11,123 19 4,934 11,132 86,800 8,335 62,30 8,305 10,748 91 5,642 10,107 72,887 4,552 142 1,147 155 8,348 16,577 10,796 77,027 4,392 197 14,49 66 7,862 19,862 8,348 16,570 9,230 73,138 19,80 17,402 19,802 8,548 77,027 4,392 197 14,49 66 7,862 19,802 8,548 77,027 4,392 197 14,49 66 7,862 19,802 8,548 77,027 4,392 197 14,49 66 7,862 19,802 10,303 12,492 19,802 8,548 77,027 4,392 197 12,158 19,903 12,100 13,43 12,168 12,100 13,43 12,168 12,100 12,100 12,100 13,43 12,100 13,40 13,70 1			130,500	14,358	15,223	129,636	61,249		4,267	58,125	2,692		2 42	4,451	54,847	11,148	6,481	59,514	7,480				
13,589 8,433 66,580 5,377 73 11,59 10,51 11,51 11,51 11,52 6,42 10,52 6,43 10,54 10,55 10,54 10,55 10,54 10,55 10,			127,224	13,004	18,048	121,581	55,528		4,647	51,918	2,519		0 6	3,898	22,626	10,232	6 202	58,390	7,333				
15.894 8.433 68.505 5.337 73 1195 134 6.114 15.824 10.359 76.217 12.13 129 6.946 115.012 10.0736 77.227 4.552 142 11.47 12.13 12.9 6.946 115.012 10.0736 77.027 4.552 142 11.47 12.13 12.9 6.946 115.012 10.0736 77.027 4.552 142 11.47 16.5 8.348 11.650 8.230 77.1449 66 77.862 77.852 142 11.47 16.0 12.32 12.3			130,372	16,400	20,12	135.646	60,714		1,004 7,167	57 030	2,410		5 L	4,000	50,300	12, 133	7 967	66.106	0,-10	•			
16,824 10,359 76,217 5,151 117 121 129 6,946 16,571 10,176 72,887 4,582 197 1449 165 8348 16,677 10,736 77,877 4,582 197 1449 165 8348 17,670 9,230 78,174 4,089 174 1,502 58 7,432 19,826 865 78,342 3,986 181 1,690 8 7,432 20,020 8656 78,644 1,346 271 2,710 6 4,035 20,800 7,768 1,346 271 2,710 6 4,035 20,800 7,534 70,947 4,232 392 306 4,035 1,107 21,586 8,000 71,323 4,232 293 3,100 100 1,343 21,296 8,000 71,323 4,232 293 2,48 2,99 1,581 11,296 8,000 71,			140.328	17.500	21.533	136.295	61.399		5.471	57.749	2.850		20	4.413	63.433	13.589	8.433	68.590	5.337	,			
15,012 10,107 72,887 4,552 142 1,147 155 8,348 17,670 9,203 7,027 4,392 142 1,147 156 8,348 17,670 9,203 78,174 4,059 174 1,449 66 7,862 18,681 8,666 78,174 4,059 174 1,500 8 7,437 19,882 8,983 78,374 3,983 268 2,683 26 6,389 19,882 8,986 77,686 13,48 271 2,710 6 4,035 19,882 8,993 78,73 14,346 272 2,70 6 4,035 20,000 7,153 69,427 4,232 302 3,066 4 1,246 1,246 21,686 7,534 4,232 302 2,662 105 1,236 21,688 7,534 7,037 4,232 2,93 3,170 1,075 20,428 8,007 <td< td=""><td></td><td></td><td>149,729</td><td>19,963</td><td>24.061</td><td>145,631</td><td>62,629</td><td></td><td>5,216</td><td>59.161</td><td>3.038</td><td></td><td>56</td><td>4.856</td><td>70,751</td><td>15.824</td><td>10,359</td><td>76.217</td><td>5,151</td><td>,</td><td></td><td></td><td></td></td<>			149,729	19,963	24.061	145,631	62,629		5,216	59.161	3.038		56	4.856	70,751	15.824	10,359	76.217	5,151	,			
16,677 10,796			146,839	19,077	25,302	140,614			5,376	58,311	2,982		24	4,568	67,982	15,012	10,107	72,887	4,552				
17,670 9,230 78,174 4,059 174 1,572 58 74,97 19,862 8,998 78,338 3,993 268 2,583 26 6,389 20,020 8,656 78,054 1,346 271 2,710 6 4,035 20,020 8,656 77,086 1,334 20,30 3,062 1,230 21,589 7,534 70,917 4,232 302 2,662 105 1,230 21,588 7,534 70,917 4,232 293 3,120 100 1,343 21,588 8,002 71,037 4,259 2,255 69 1,230 21,595 8,002 71,037 4,259 2,255 69 1,290 21,595 8,002 71,037 4,259 2,255 69 1,581 21,595 8,003 5,2096 3,860 149 1,972 100 2,128 21,595 8,003 5,274 3,906 4,95 2,177 1,004 21,362 11,108 54,801 3,906 4,39 1,861 2,17 1,004 21,362 11,108 54,801 3,906 4,39 1,861 2,17 1,004 21,362 11,108 54,801 3,906 4,39 1,861 2,17 1,004 21,363 2,364 2,365 2,365 2,365 2,365 21,364 3,365 3,365 3,365 3,365 3,365 3,365 21,365 3,365 3,365 3,365 3,365 3,365 3,365 21,365 3,365 3,365 3,365 3,365 3,365 21,365 3,365 3,365 3,365 3,365 3,365 21,365 3,365 3,365 3,365 3,365 3,365 21,365 3,365 3,365 3,365 3,365 3,365 21,365 3,365 3,365 3,365 3,365 3,365 21,365 3,365 3,365 3,365 3,365 3,365 21,365 3,365 3,365 3,365 3,365 3,365 3,365 22,365 3,365 3,365 3,365 3,365 3,365 3,365 23,365 3,365 3,365 3,365 3,365 3,365 3,365 3,365 23,365 3,365 3,365 3,365 3,365 3,365 3,365 3,365 3,365 23,365 3,365			150,691	21,405	26,482	145,614	• •		6,040	58,951	3,075		34	4,981	71,146	16,677	10,796	77,027	4,392	•			162 40,259
18,691 8,656 78,542 3,966 181 1,690 8 7,432 19,826 8,656 76,542 3,996 2,68 2,593 20,020 8,656 76,064 1,346 2,71 2,710 6 4,035 20,020 7,153 69,47 4,232 3,02 2,662 1,230 21,568 7,534 70,317 4,232 2,93 3,170 100 1,343 21,568 8,000 71,323 4,232 2,93 3,170 100 1,343 21,568 8,000 71,323 4,232 2,93 3,170 107 22,928 8,000 71,323 4,235 136 2,335 59 1,581 23,56 8,409 5,5,096 3,860 149 1,972 100 21,560 8,385 5,2,73 3,906 3,95 1,571 1,004 21,362 11,108 54,801 3,906 4,95 1,851 2,17 1,004 21,600 2,4,801 3,906 4,95 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 3,906 4,99 1,851 2,17 1,004 21,600 2,4,801 2,6,801			148,911	23,204	23,711	148,405			5,230	60,522	3,174		52	5,417	69,634	17,670	9,230	78,174	4,059				
20,020 8655 78,054 1346 271 271 6 4 038 9 20,020 8655 78,054 1346 271 271 6 4 035 9 9 20,020 8655 78,054 1346 271 271 6 4 035 9 9 20,020 8655 78,054 1346 271 271 6 71 6 71 6 71 6 71 6 71 6 71			148,793	24,985	23,856	150,019			5,831	61,524	3,276		747	5,798	68,409	18,691	8,656	78,542	3,966				
19.969			147,262	26,796	24,614	149,527			6,413	59,902	3,500		6 6	6,001	68,391	19,862	8,998	79,338	3,993				
20,800 7,153 66,477 1,339 3,0 3,090 7,153 66,477 1,339 8,475 20,2 3,090 7,153 66,477 1,339 8,475 20,800 7,153 66,477 1,339 8,475 20,800 7,153 66,400 7,132 20,800 7,153 6,000 7,132 20,800 7,132 20,800 7,132 6,00			137,486	26,392	21,653	142,362			6,026	55,785	4,216		9 1	6,900	66,553	20,020	8,655	78,054	1,346				
21,588 7,534 70,547 4,522 293 3,120 100 1,343 21,588 7,534 70,547 4,522 293 3,120 100 1,343 21,588 8,000 71,323 4,232 4,282 2,483 2,17 1,075 2,288 8,000 71,323 4,282 2,282 2,286 89 1,290 17,270 8,282 6,310 4,285 138 2,325 59 1,581 1,295 8,409 5,2,096 3,860 149 1,972 100 2,128 11,782 10,053 55,184 3,906 4,55 2,127 1,104 11,362 11,108 54,801 3,906 4,39 1,851 2,17 1,004			110.288	28.611	17 032	130 868			6,015	50,039	986		<u> </u>	6,709	55,780	808,81	0,040	60 427	1 2 3 3				34,639
21,696 8,000 71,323 4,232 428 2,493 217 1,075 20,428 8,002 70,037 4,259 252 2,205 69 1,290 1,290 2,205 8,340 5,209 8,380 1,49 1,972 100 2,128 11,860 8,335 52,773 3,906 3,97 1,672 217 1,004 11,362 11,108 54,801 3,906 439 1,851 217 1,004			123.909	31.912	18 627	137,194			6.298	53 411	3.527		3 5	8,240	56.884	21,568	7.534	70.917	4 232				
20,428 8,002 70,037 4,259 252 2,205 69 1,290 17,270 8,282 63,109 4,325 136 2,325 59 1,581 12,935 8,409 52,096 3,860 149 1,972 210 2,128 11,580 8,835 52,173 3,906 397 1,672 217 1,242 11,362 11,108 54,801 3,906 4,39 1,851 217 1,004 11,362 11,108 54,801 3,906 4,39 1,851 217 1,004			124,249	32,633	18,262	138,620			6.384	54.211	3,531		-	8,208	57,627	21,696	8,000	71.323	4.232				
17,270 8,282 63,109 4,325 136 2,325 59 1,581 12,858 8,409 52,086 3860 149 1,972 100 2,128 11,860 8,835 62,773 3,906 397 1,672 217 1,242 11,752 10,053 55,184 3,906 455 2,121 217 1,004 11,382 11,108 54,801 3,906 439 1,851 217 1,004			123,138	29,451	18,789	133,801			7,051	51,293	3,194		4	7,890	57,610	20,428	8,002	70,037	4,259				
12,505 8,409 52,096 3,860 149 1,972 100 2,128 100 2,128 2,270 2,270 1,242 11,722 10,053 55,184 3,906 4,59 1,851 2,17 1,004 11,362 11,108 54,801 3,906 4,39 1,851 2,17 1,004			117,917	24,270	18,319	123,868			5,920	49,228	2,988		7	7,011	54,121	17,270	8,282	63,109	4,325			•	
11,860 8,835 52,773 3,906 397 1,672 2.17 1,242 11,752 10,063 55,184 3,906 4,55 2,121 2,17 1,004 11,362 11,108 54,801 3,906 4,39 1,851 2,17 1,004			91,894	17,912	17,408	92,398			4,660	30,849	2,637		39	5,344	47,570	12,935	8,409	52,096	3,860				
11,762 10,063 55,184 3,906 455 2,121 2,17 11,362 11,108 54,801 3,906 439 1,851 2,17			93,575	16,682		94,384			3,952	32,654	2,283		72	4,437	49,748	11,860	8,835	52,773	3,906				
11,362 11,108 54,801 3,906 439 1,851 21 <i>7</i>			90,964	16,733	17,392	90,305			3,952	25,694	2,286		21	4,862	53,484	11,752	10,053	55,184	3,906				32,107
"U.S. Department of Agriculture, Forest Service (22); U.S. International Trade Commision(83); Data may not add to totals because of rounding. Data have been revised. *Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board. *Includes pulpwood and the pulpwood equivalent of wood pulp and paper and board. *Includes poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. *Perfor to 2000, pulpwood Logs are not included in Logs. *York Available.	2011 126,7	95 125,174	94,688	16,542		93,667	30,980	969,	3,952	28,724	2,401	7,877	77	2,00,5	54,546	11,362	11,108	54,801	3,906				
Infludes pulpwood and the pulpwood equivalent of wood pulp and paper and board. Pincludes cooperage logs, poles and piling, fence posts, hewrities, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. Pinch 1989, pulpwood chips are not included in total production. Pinch Available.	U.S. Departr	nent of Agricult	ire, Forest Se	ervice (22);	. U.S Interna	ational Trade	Commission	า(83); Dai	ta may not	add to total	s because	of round	ing; Da	ta have bee	revised.								
Includes cooperage togs, potes an princip posa, referring a most, so words, considered most, and mass more some more more more more more more more m	includes puil	wood and the	oulpwood equ	fence no.	wood pulp a	arid paper arid	a timbore	bolts.	pycologor	holte chemi	poom les	obingle	5	nellanaim bu	ometi e ite								
reno to 1995, pulywood Logs are not induded in Logs. "Not Available." "Here we have a contract of the contract	niciares coo	perage rogs, pr	ics and pilling	i, idina po	oto, ricwir tit		e minder	מוסי אסם	O CACCION O	2013, 0161	, ,	200	is, a		9								
Prior to zouch, Fulpwood Logs are rotinguoed in Logs. *Not Available.	3061 01 10117	, pulpwood crii	s are not incl	וחמפת ווו נסו	tai producit																		
*Not Available.	Prior to Zua.	, Puipwood Lo	s are not mu	ngea III ro	gs.																		
	Not Available	a:																					

Table 8a—Production, imports, exports, and consumption of timber products (excludes additives and fillers) in tons, by major product, 1965-2011 (million tons' air-dry weight of wood)^b

												The wo	The weight of wood in products	od in pro	ducts											
																					Other					Fuel-
												7									industrial					poom
	prod	ļ		Total	l I		Lumber	D _i	i	Plywoc	Plywood and veneer	neer	ļ	Panel p	Panel products			Wox	Wood pulp'		products,					produc-
ď.									Con- P	Pro-						Son	Pro-			Con-	production	Logs		Pulpwood chip	1	tion and
duc- Year tion	c- sump- on tion	duc-	-im- ports	Ex- ports	sump- d tion t	duc- tion po	Fill Fill Fill Fill Fill Fill Fill Fill	Ex- su ports t		fuc- Im- tion ports	rs Ex-	s tion ⁹	duc- tion*	- Lood	ports ^m	sump- tion	duc- tion	m- borts ⁿ	Ex- ports	sump- tion	and con- sumption ^j	m- borts	Ex- ports	Im- ports	Ex- ports	consump- tion
		_				(6.5	5.3 C	9.0		3.8 0.7	7 0.0	7.5	2.9	0.2	0.0	3.2	36.6	9.7	2.9	43.3	8.5	0.2	3.0	z	0.1	18.2
	126.8 135.7	7 108.6	17.2	8.3	117.5 4	46.6 E	5.4		50.7	_	8 0.0	7.9	3.2	0.2	0.0	3.3	39.4	10.5	3.2	46.7	9.8	0.2	3.4	z	0.3	18.2
						15.1	5.2			7.0 0.8	8 0.1		3.4	0.2	0.0	3.5	39.0	10.0	3.6	45.4	7.8	0.2	4.9	z	0.7	18.7
					121.2 4		5.2	1.1	ص	7.8 1.3			4.0	0.3	0.0	4.3	43.4	10.2	4.0	49.5	7.8	0.2	6.4	z	1.5	19.2
							6.5	1.1	2	, w			4.6	0.3	0.0	4.9	45.6	1.1	4.5	52.2	9.1	0.2	5.9	z	2.2	19.3
							6.2 1	1.2		7.6 1.	1.3 0.1	8.8	4.6	0.2	0.0	8.4	44.8	10.4	5.5	49.6	6.6	0.4	8.9	z	2.8	22.1
	144.8 151.0				129.4 4	45.5 7	7.6	1.2		7		10.3	5.9	0.3	0.1	6.1	46.1	10.4	4.8	51.7	9.2	0.2	2.7	z	2.3	21.6
							9.5	3 5.1	2	9.5 2.1	1 0.1	11.4	7.0	0.5	0.1	7.4	49.1	11.0	2.0	55.1	7.9	0.1	7.8	z	2.9	22.2
						47.7	2. 7.6	2.1	<u>د</u>	9.4	1.7 0.2	•	7.6	0.5	0.1	8.0	50.9	11.9	2.0	8.73	7.5	0.1	8.3	z	4.0	21.0
							7.4	1.9	48.6 8	3.0 1.	1.1 0.3	8.8	6.8	0.3	0.1	7.0	50.5	12.3	5.9	56.9	6.5	0.2	9.9	z	4.4	23.0
1975 136	3.4 135.5			17.5			6.0	7.1	44.4	.9	.3 0.5	8.7	0.9	0.1	0.1	0.9	44.2	0.6	2.0	48.3	5.9	0.2	9.9	z -	3.7	22.0
							8.2	6.	9.09	_	.6 0.4	10.1	7.4	0.2	0.1	7.5	49.7	10.6	5.2	55.1	2.7	0.5	8.1	N I	4.5	21.6
							10.7	1.7	e	5	.5 0.2	10.8	8.4	0.3	0.1	9.8	51.2	1.	5.2	57.1	5.9	0.4	9.7	z	4.8	25.0
				20.1			12.2 2	2.0	-	· «	1.7 0.2	11.2	8.7	0.4	0.1	9.1	52.3	12.3	5.2	59.5	0.9	0.2	8.5	N	4.2	32.5
							11.5 2	2.4	-	. 9	1.4 0.2	10.7	8.2	4.0	0.1	8.5	53.3	12.8	5.8	60.3	6.2	0.3	9.7	z	5.2	39.0
							9.8	2.8		8.0 0.8	8 0.2		7.0	0.3	0.1	7.2	53.8	12.1	8.0	57.8	6.3	0.3	8.1	N	5.2	46.3
					125.8 3	38.3	9.5	2.7 4		•	1.0 0.4		6.7	0.3	0.1	6.9	53.8	11.9	7.3	58.3	6.5	0.3	6.3	z	1.1	49.3
							9.3			8.0 1.	2 0.3		2.7	4.0	0.0	6.1	52.2	11.0	6.9	56.3	9.9	0.3	8.0	z	3.3	62.0
						45.7 1;	12.1 2	2.6 5	-	Ì	8 0.3	11.2	7.4	9.0	0.1	7.9	54.9	12.5	7.4	0.09	6.8	0.4	8.7	z	5.9	59.5
							3.5			9.9			9.7	0.8	0.1	8.3	29.0	14.6	7.1	66.5	6.9	0.4	8.7	z	2.7	63.4
							4.9	2.2 6		•	2.0 0.2		7.7	0.8	0.1	8.4	55.1	14.9	7.1	67.9	7.1	0.2	9.5	z	2.7	60.5
							4.5		•	10.9 2.			7.9	6.0	0.1	8.7	57.4	15.5	8.4	64.5	7.2	0.2	9.1	8.0	2.8	61.8
			36.1	26.4			15.2	3.6			0.5	13.4	 	6.0	- O - C	α α α	20.8	16.7	0.6	67.5	7.5	0.2	10.2	9.0	5.9	51.3
							0.0						ο α 5. Δ	ο c	, c	ο α ο α	0.0	7 7	2. 5. 0. 1.	00.0 0.0	, e 6. 6	7 0	5 - 5) a	0. 6	20.8
							2.9			10.4			8.2	0.5	0.3	9.4	62.3	17.1	5.1.	- E	. 9	0 0	10.4	0.7	5.3	50.8
							1.6						8.1	0.4	0.3	8.2	62.5	16.1	12.8	65.8	8.4	0.0	9.3	0.7	6.1	63.6
							3.3 4			9		9.8	8.7	0.4	4.0	8.7	63.3	16.8	14.2	65.8	8.3	0.0	8.1	0.5	6.5	49.9
							5.2						9.1	0.5	4.0	9.5	63.5	18.4	13.3	68.5	7.9	0.2	7.1	0.8	0.9	42.8
							4.0			10.0	1 0.8		9.0	8.0	0.5	80.0	65.1	19.3	4.3 6.3	1.05	6.1	0.3	6.7	0.4	6.5	38.5
							υ. α υ. α	9.0				10.3	o o	φ. α	9.0	- c	64.4	20.2 18.7	. d	09.09 0.09	ט טינ	7.0	0.7	0.0	0.7	37.6
							1 60		-	. ~			9 9	6.0	0.5	. o	66.4	20.9	17.4	6.69	5.0	0.3	5.0	0.8	7.8	29.8
							19.1			7			9.6	6.0	4.0	10.1	65.4	21.6	15.1	71.8	4.6	0.5	4.9	0.5	7.7	28.6
							19.8 3		6.5	1.3 1.	8 0.6		6.6	- -	4.0	10.7	63.9	23.3	14.8	72.5	4.5	0.7	5.1	0.3	9.7	28.4
2000 187	187.8 204.6	159.4	49.5	32.7	176.2 5	58.8	20.3	3.5	75.5	2.2	1.9 0.5	10.6	0 0	د. دن ر	4.0	10.7	63.8	24.6	15.1	73.3	9.4	. .	6.5	0.3	6.5	28.4
							0.0		3.7	7		n :	0.7	j.	†	n !	0.60	6.00	7.	7.60	1	3 !	7.0	7.7	t .	40.4
	4.8 197.5		51.1	28.4	170.9 5	57.2 2	21.7 3	3.0	9.29	3.1	2.6 0.4	10.4	ο ο ε: τ	ر دن ۲	0.0	10.5	59.3	23.8	15.2	67.9	4, 4 80, 0	<u>د</u> ر	6.0	- 0.7	3.5	26.6
		150.0					, ,		. r	1 4		5 4	- LC		5. 4	5 5	8 0 0	25.5	13.0	72.6	. 4 . 0	<u> </u>	5 10		, t	27.0
							5.8		3.0	7.7	3 0.4	11.6	9.5	2.4	0.5	4.11	809	24.7	13.5	72.0	8: 4	1.7	5.3	6.0	3.1	27.1
							3.5	3.3 7	. 0.6	1.4	0 0.4	10.7	9.4	2.3	9.0	1.1	61.1	24.7	13.7	72.1	4.9	1.5	5.3	0.7	2.8	27.2
		0 139.6					18.8 3	3.0	0.3 €	3.6 3.	1 0.4	9.3	8.6	2.0	0.5	10.1	55.8	23.1	14.9	0.40	4.9	1.0	5.4	0.2	3.8	28.1
							13.0 2	2.8 £	1.9	5.6 2.	2 0.5	7.3	7.4	4.	0.5	8.3	51.6	20.9	16.4	56.1	4.4	0.5	4.9	0.1	4.8	26.4
		1 106.8					6.9	2.3	2.9	8	7 0.4	6.2	6.3	0.0	4.0	0.0	46.6	16.3	15.3	47.6	4 ·	4.0	5.0	0.1	3.6	24.5
2010 137	131.9 132.2		30.6	30.3	107.7 3	35.2	9.7	9.1	43.3	0.0	9.0.6	6.4	6.2	6.0	4.0	6.7	45.8	17.3	17.0	46.1	4. a	0.5	6.3	0.2	£.4 6.4	24.5
1 8	tore t	8	M-10	_			0.0	v.	1.7	0.0	0.00	h politod	2.0	0.0	4.0 4+10	0.0	40.4	10.0 pag and	+.o.	40.04 40.04	0.0	U.D	0.7	D.Z	6.4	24.0

*Connersion factors taken from GTR RM-199 (54).

*Connersion factors taken from GTR RM-199 (54).

*Du S. Department of Agriculture, Forest Service (23); Prine Chemicals Association (33); Data may not add to totals because of rounding. In Data for wood pulp have been revised; Air-dry weight contains 15% moisture content.

*Includes hardwood se shrwood palets. Pallets equate 20% of furniber.

*Includes hardwood & softwood palets.

*Includes hardwood & softwood hardwood hardwood hardwood & softwood hardwood hardwood & softwood & softwood hardwood & softwood & sof

Includes both wood pulp and the wood pulp equivalent of paper and board except hardboard and insulating board.
Includes pulpwood (except chips), wood pulp, and the wood pulp equivalent of paper and board except hardboard and insulating board.
Includes cooperage logs, poles and pilling, fence posts, hewn ties, round mine timbers, box botts, excelsior botts,
chemical wood, shingle botts, and miscellaneous items.

*Doesn't include OSB until 1980.
Doesn't include OSB.

"Doesn't notude OSB.
"Prior to 2000, pulpwood logs are not included in logs.

*Not available.

Table 8b—Production, imports, exports, and consumption of timber products (excludes additives and fillers) in tons, by major product, 1965–2011 (thousand metric tons, air-dry weight of wood)^b

The weight of wood in products

1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Pro-	produ			To to				d.		i	wood and	-									Other industrial					Fuel- wood
Figure Corp. Cor	Pro-	produ		•	Total				المهماه		i	wood and	0							J							
Comp. Prop. Prop	Pro-				200			Lun	ige	ĺ			veneer			nel produc	ts		_	Vood pulp		products,					produc
18 6 800 6 520 5 24 5 2 5 86 5 334 8 7 7 5 8 6 10 3 9 10 1	did		P.	1	i	Sol	P.	į	i	Con	Pro :	1									S	production		gs	Pulpwo	d chip	tion and
18 0.806 2.865 2.24 2.2 2.806 33.270 0.75 2.44 42.20 1.80 1.70 0.806 3.24 1.42.34 7.70 0.70 0.70 0.70 0.70 0.70 0.70 0.7		sump- tion	duc- tion	- La borts		sump- tion	duc- tion	- Lu		-dung-	duc- tion									_		and con- sumption	- borts	ports	- Lod	Dorts	consump. tion
2 7 7164 2 264				14,613				4,836	859	46,120	6,198	626									_	7,729	153	2,687	z	91	16,476
47 7 7008 9 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•			15,564				4,863	1,100	46,021	6,463	749			•						42,345	7,798	215	3,128	z	272	16,507
40 6 7777 4 4202 2 45 9 10 8 8 9376 4 938 1 9376 4 178 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				14,913			·	4,761	1,188	44,471	6,340	743						.,				7,108	173	4,435	z	635	16,920
118								5,658	1,036	45,630	7,105	1,129										7,108	178	5,775	z	1,361	17,428
91 7.57 4.182 1.91 4.6 4.228 4.0252 8.345 5.514 4.507 9.899 3.25 6.154 5.7 4.182 9.207 1.25 9.475 4.399 4.915 8.309 1.92 5.6 1.54 5.7 4.182 9.475 4.399 4.915 8.309 1.92 5.6 1.54 5.7 4.182 9.475 4.399 4.915 8.309 1.92 5.6 1.54 5.7 4.182 9.475 4.399 4.915 8.309 1.92 5.6 1.54 5.7 4.182 9.20 5.20 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.								5,852	1,036	44,940	6,619	1,263							•	_		8,281	48	5,389	z	1,995	17,460
156 0.372 0.530 0.531 0.528 55 5.584 41.829 0.592 4.574 4.994 0.516 0.516 0.516 0.517 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.514 0.518 0.518 0.514 0.518 0.5	_			16,748				5,617	1,124	43,232	6,848	1,221										8,999	325	6,164	z	2,523	20,079
256 9,774 6,889 412 92 7,208 46,129 10,756 44,489 52,386 6,820 0 7,570 2 2 6 9,774 6,889 412 92 7,208 46,129 10,756 44,489 52,386 6,820 0 7,570 2 2 6 9,774 6,889 412 92 7,208 46,121 11,112 5,136 5,136 5,136 5,136 5,136 5,136 5,136 5,136 5,136 5,136 5,136 5,137 5,138 5,1			111,786	18,372				6,934	1,100	47,078	7,861	1,516										8,309	189	5,147	N	2,064	19,571
286 7,962 6,177 281 24 7,204 6,129 1,105 4,489 2,288 6,289 7,175 1,175 1,175 2	•		118,556	20,955	•			8,621	1,365	49,441	8,613	1,884	•				_					7,136	88	7,064	z	2,634	20,158
143 7.884 5.442 107 107 6.547 4.010 8.189 4.503 4.506 5.314 199 5.997 2. 145 6.789 7.89 7.89 1.24 6.323 4.581 11.12 5.315 5.168 5.314 199 5.997 2. 146 6.10.203 7.886 2.22 198 11.1 6.810 4.505 9.619 4.700 5.925 5.462 5.314 199 7.30 2.218 1.00 2.218 0.70 7.885 2.22 1.00 4.70 7.32 7.885 2.22 1.00 4.20 7.22 1.00 4.323 1.189 5.729 5.245 5.729 5.244 6.422 1.00 6.426 5.10 5.22 5.462 5.22 5.86 5.462 5.22 5.86 7.23 7.33 7.32 7.32 7.32 7.32 7.32 7.32			122,765					8,804	1,895	50,135	8,490								•			6,832	0	7,570	z	3,631	19,079
4.01 7.884 5.442 107 102 5.447 40,110 8 1198 4.553 4.980 5.514 199 5.997 2.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1		•	114,237	19,258				6,711		44,082	7,278											5,907	172	5,942	N	4,033	20,888
490 9;80 6;73 198 111 6,810 4,503 9;619 4,576 69,986 5;176 199 7308 7; 189 1,990 1,			103,723	15,091				5,440	1,542	40,276	7,168											5,314	199	5,997	z	3,315	19,983
18. 9,780, 7,586 282 104 7,784 46,422 10,026 4,745 11,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 4,700 51,189 5			116,723	18.896				7.470	1.718	45,927	8.171											5,176	199	7.308	z	4,117	19,555
14. 19. 10.203 7.869 4.08 78 8199 47.435 11.188 4.700 55.823 5.462 5.18 7.687 2.29 8.753 2.20								9.684	1.542	51,041	8.611					•			•			5.314	347	6.903	z	4.371	22.668
10. 19. 17. 17. 19. 19. 17. 10. 19. 17. 10. 49. 33. 11. 15. 15. 20. 5. 5. 60. 65. 65. 65. 60. 60. 60. 60. 60. 60. 60. 60. 60. 60								11.022	1.846	53,105	8,853	1.516			·			Ī	•			5,452	218	7.667	z	3.774	29,478
268 7,802 6,341 280 78 6,543 48,801 10,942 7,299 62,445 5,728 287 7,333 7,2 346 10,133 6,677 327 126 6,244 48,781 10,785 6,628 6,288 6,289 6,288 6,289 6,289 6,289 7,214 10,683 6,241 28,21 38,241 28			127,383	23.954				10.426	2.200	52.133	8.706						·					5.590	588	8.763	z	4.693	35,390
347 7.950 6.073 2.97 126 6.244 46.788 10.763 6.628 5.2923 6.986 2.27 5.6899 7.2 344 8.128 5.217 388 49 5.558 47.225 9.956 6.248 6.142 6.22 7.393 6.142 7.247 2.248 10.1289 6.248 10.248 8.128 6.247 1.248 7.248 10.248 8.128 6.248 10.248 8.248 10.248 8.128 6.248 10.248 8.248 10.248 10.248 8.248 10			119.026					8.904	2.529	45.248	7.278								•			5.728	287	7.333	z	4.672	41.989
8 8 128 8 5.21 38 8 49 5.559 47,325 9.956 6.248 51033 6.004 283 7.214 7.875 6.004 283 7.214 7.875 6.004 283 7.224 8.128 6.2213 8.675 5.224 8.128 6.2242 8.128 6.2242 8.128 6.2242 8.128 6.2242 8.128 6.2242 8.128 6.2242 8.128 6.2242 8.128 6.2242 8.128 6.		•	112.289					8.599	2.440	40.903	7.419											5.866	227	5.699	z	3.699	44.715
10.133 6.677 576 61 7.192 49.826 11.292 6.739 54.379 6.142 371 7.875 7.8 10.693 6.895 724 16.6 7.549 6.55.20 13.77 6.472 6.035 6.280 330 7.889 7.8 11.642 7.185 773 124 7.833 2.203 14.062 7.646 58.509 6.556 177 8.22 17.2 12.41 1.624 7.437 7.53 2.1 8.024 6.55.20 13.77 6.42 5.035 6.5280 17.0 12.428 1.1.544 7.437 7.53 2.1 8.024 5.548 1.6520 8.899 6.2.129 1.70 1.70 8.21 7.2 12.43 1.1.544 7.437 7.53 2.1 8.024 5.548 1.6520 8.899 6.2.129 1.70 1.70 8.2 1.70 8.2 12.43 1.1.544 7.437 7.53 2.1 8.024 7.798 6.5.281 10.40 8.10 8.0 12.448 1.1.548 7.44 2.9 3.46 7.48 6.54 1.70 1.1.548 1.0.29 6.159 1.70 1.70 8.2 12.49 1.1.549 7.29 3.46 7.29 8.5.281 1.2.49 5.04 1.0.2 12.49 1.2.40 7.39 3.40 7.20 3.40 7.20 8.52 1.2.40 8.0 12.40 1.2.40 7.20 8.2 12.40 1.2.40 7.20 8.2 12.40 1.2.40 7.20 8.2 12.40 1.2.4								8.404	2.000	41,153	7.257											6.004	263	7.214	z	2.984	56,189
10.299 6.883 722 6.6 7.549 6.35.20 13.277 6.472 60.325 6.280 330 7.885 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								10,992	2,381	50,078	8,806											6,142	371	7,875	N	2,623	53,924
144 10.683 6.952 734 108 7.578 49.986 13.524 6.426 57.083 6.418 223 8.442 729 4.411 7.382 7.48 7.833 8.2019 4.082 6.682 177 8.4 14.18 7.382 7.48 7.83 8.2019 4.082 6.682 177 8.6 14.28 7.48 8.428 7.48 7.58 14.28 6.428 16.229 7.186 7.487 7.8 14.2 14.1 7.382 7.48 14.2 14.1 7.382 7.48 14.2 14.1 7.382 7.48 14.2 14.1 7.2 14.1 7.382 7.4 14.1 14.1 7.382 7.4 14.1 14.1 14.1 14.1 14.1 14.1 14.1								12,253	2.212	54,957	9,003											6.280	330	7.859	z	2,426	57,549
428 12.14 7.362 7.186 77.3 12.4 7.833 52.093 14.062 7.946 85.50 6.556 177 8.22 7.24 7.25 7.25 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2				29,810				13,480	1,955	55,791												6,418	223	8,642	z	2,418	54
12,141 7,322 746 429 165 7,982 54,264 15,151 8,163 61,252 6,832 188 9,241 56,24				30,768				13,107	2,474	59,956				-								6,556	177	8,221	729	2,533	56,078
557 11.564 7.497 7.52 22.1 8.028 55.386 15.620 8.65 8.69 15.620 18.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.1964 8.87 7.196 8.87 7.196 8.94 8.94 8.94 8.94 8.94 8.94 8.94 8.94				32,723				13,748	3,307	63,755			•	-					•			6,832	186	9,241	524	2,657	46,492
787 10,018 77,761 474 224 724 724 728 55,825 16,447 17,756 68 10,999 77,757 52 9474 643 716 847 718 718 56,910 15,488 10,003 61,969 77,757 52 9474 643 718 95,432 7466 429 346 74,224 71,225 16,510 15,488 10,003 61,969 77,757 52 9474 643 718 91,928 82,44 71,92 82 94,74 14,74 14,14				31,771				12,367	4,696	61,651				-					•			7,039	153	10,790	887	3,655	46,039
847 19-53 7-6-6 4-2-6 4-2 4-2 7-6-6 7-2-6 4-2 4-2 7-6-6 7-2 4-2 7-6-6 7-2 4-2 7-6-6 7-2 7-2 7-6-6 7-2 7-6-6 7-2 7-6-6 7-2 7-6-6 7-2 7-6-6 7-2 7-6-6 7-2 7-6-6 7-2 7-6-6 7-2 7-6-6 7-2 7-6-6 7-2 7-2 7-2 7-2 7-2 7-2 7-2 7-2 7-2 7-2			149,801	31,606				13,703	4,300	63,346		1,177		- 1								7,660	8 8	10,583	716	4,546	45,
855 8.899 8.72 4.86 4.06 4.05 7.802 50.07 12.919 8.37 7.00 51.0 13.05 31.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0			148,220					11,727	3,916	60,556	9,429			- 1								7,757	25	9,474	643	4,838	46,030
856 8.989 8.288 4.86 4.86 4.86 8.284			142,033					10,493	4, 2, 2, 4	58,833	8,472			- 1								7,605	<u>,</u> c	8,458	709	2,502	21.7,78
743 9,288 8,706 690 545 8822 90,47 17,506 12,97 68,516 5,535 241 61,92 346 774 9,328 8,706 690 545 8822 90,47 17,506 12,97 68,516 5,535 241 181 6,342 727 785 9,126 8,617 712 615 8,8 8,756 8,8 8,756 8,8 8,756 8,8 9,94 60,184 18,96 15,743 6,045 5,347 181 6,342 727 786 9,126 8,621 723 688 8,756 8,934 60,184 18,96 15,743 6,040 4,425 6 287 5,333 710 789 9,282 8,714 8,170 8,103 408 9,978 5,756 12,1167 13,72 65,72 4,710 10,102 5,665 126 780 9,282 8,900 1,036 408 9,978 5,756 12,1167 13,72 65,72 4,410 1,011 5,933 2,98 780 9,331 8,407 1,385 43 9,446 5,3807 21,599 13,813 61,593 4,381 1,101 5,002 5,461 132 780 9,331 8,200 1,136 40 10,256 5,210 1,216 1,220 12,187 13,72 65,72 1,107 5,72 1,107 5,72 1,041 1,012 5,003 1,109 5,002 1,100 5,203 1,100 5,			143,615					13.805	3,667	60,09	8,754									•		7 137	217	6.468	5 6	5,030	r e
774 9.329 8.074 719 615 8.178 59.082 18.28 14.405 65.005 5.341 181 6.342 727 776 9.128 8.621 72.2 588 8.175 8.9439 16.974 17.73 66.81 4.720 259 5.927 710 8.174 8.670 804 5.00 8.944 6.95 8.4031 19.561 13.721 65.121 4.210 259 5.927 710 8.174 8.670 804 5.00 8.944 6.95 8.9439 16.974 17.73 66.814 4.720 259 5.927 710 8.00 8.522 9.00 1.00 4.00 9.952 5.40 8.921 19.551 13.721 65.121 4.210 4.210 4.72 6.615 2.928 7.70 8.830 7.865 1.96 1.96 4.99 9.92 6.929 19.81 9.81 6.159 4.141 1.011 5.93 2.98 8.830 8.830 1.96 1.00 8.944 5.920 18.81 6.864 8.92 4.141 1.011 5.93 2.98 8.831 8.229 1.576 2.944 5.920 18.81 6.828 4.389 1.120 5.00 5.00 8.830 8.830 1.00 1.00 9.952 6.10 2.949 1.381 6.852 4.410 1.012 5.93 1.981 8.931 8.229 1.576 2.949 1.576 2.949 1.381 6.852 4.410 1.012 5.93 1.981 8.932 8.441 7.220 4.944 5.520 8.220 1.284 1.520 6.308 4.389 1.120 5.00 5.00 8.70 8.841 7.720 1.80 9.944 5.520 8.520 6.230 1.981 6.530 4.389 1.020 5.142 8.70 8.841 7.720 1.80 9.944 5.120 6.10 8.944 4.10 6.949 6.309 1.000 6.309 1.981 6.309 1.000 6.300 1.000 6.300 1.991 6.300 1.000 6.300 1.000 6.300 1.000 1.991 6.300 1.000 6.300 1.000 1.991			145,585			•		14 895	3,594	62,592	9.037									•		5,137	248	6,100	346	5,935	34 935
9 126 8 122 8 122 8 123 588 8 125 6 1843 9 16.974 14,773 60.641 4,720 259 5,927 8 10.929 9 18.87 8 18.97 8 18.			144,088	36,848		•		15,736	3,265	62,445	8,946									•		5,341	181	6,342	727	6,330	8
915 8,714 8,670 804 540 8,934 60,184 18,966 15,743 83407 4,555 287 5,339 710 499 9,222 71 8,121 4,113 662 4,583 286 9,282 71 8,113 832 9,9378 71,7551 21,167 13,272 65,721 4,210 4,173 662 4,583 286 770 9,622 8,932 1,146 42 9,9378 75,561 21,167 13,387 66,486 4,141 1,011 5,933 2,88			144,211	36,304				16,494	3,241	63,932	8,840	1,052								•		4,720	259	5,927	802	986'9	30,539
499 9,282 9,004 1,036 409 9,504 85,291 19,551 13,721 65,121 4,211 642 4,646 460 470 9,002 8,545 9,004 1,036 409 9,928 57,591 21,167 13,387 65,731 4,113 662 4,583 296 470 9,002 8,830 1,196 4,49 9,922 57,591 2,197 13,002 6,410 1,032 6,64,80 4,41 1,101 5,933 299 334 8,40 1,386 4,40 1,386 2,44,00 1,032 6,64,80 1,381 6,152 4,41 1,011 5,933 299 331 8,229 1,576 2,80 1,576 2,80 1,381 6,158 4,41 1,101 5,002 377 416 10,426 8,80 1,576 2,80 1,576 2,80 1,381 6,158 4,41 1,101 5,002 377 416 10,426 8,80 1,576 2,80 1,576 2,80 1,381 6,158 4,41 1,101 5,002 377 416 10,426 8,80 1,576 2,			146,560			•		16,589	3,320	65,538	8,383									•		4,555	287	5,393	710	7,107	26,983
506 8,943 9,008 1,008 4,008 9,978 7,561 2,1167 1,137 657 1,141 4,117 662 8,969 3,008 1,008 4,008 9,978 7,561 2,1167 1,337 657,31 4,113 662 4,141 1,011 5,933 2,98 3,90 8,90 8,90 9,90 9,90 9,90 9,90 9,90 9			•			•		17,344	2,613	860'29	8,352								•	•		4,210	417	4,448	460	6,939	25,904
470 9,602 8,929 1,196 424 9,922 7,784 12,227 13,75 66,486 4,141 1,011 5,933 298 350 1,866 1401 378 9,365 57,894 12,902 27,782 4410 10,32 5,665 157 324 9,383 8,407 1,385 343 9,464 53,807 21,599 13,813 61,593 3,931 8,933 8,407 1,385 249 9,385 8,400 21,884 12,902 54,899 1,119 5,002 3,77 5,461 132 3,80 3,331 8,80 3,331 8,29 1,102 5,48 1 1,207 5,461 132 3,77 10,483 8,650 2,163 42,8 10,285 55,166 22,421 12,279 65,308 4,389 1,195 5,002 3,77 3,70 10,483 8,650 2,163 42,8 10,385 55,166 22,421 12,279 65,308 4,389 1,195 5,002 3,77 3,78 1,009 47,5 1,207 5,48 15,89 4,405 1,89 4,805 1,89 3,80 4,30 1,80 1,80 1,80 1,80 1,80 1,80 1,80 1,8			•	42,777				17,973	3,008	69,429	8,396				_							4,113	662	4,583	286	6,857	22
350 8830 7407 1385 9436 84,100 21884 1382 24401 1385 1410 1382 84,100 1382 84,100 1383 8407 1385 84,100 1383 8407 1385 84,100 1383 8407 1385 84,100 1383 8407 1385 84,100 1383 86,100 1383			144,579					18,392	3,218	68,522	8,385				_							4,141	1,011	5,933	298	5,947	22
329 9,331 8,229 1,576 220 9,525 22,493 10,991 8,480 11,307 5,461 132 339 9,331 8,123 8,183 8,183 8,183 8,183 8,183 11,307 5,461 132 339 9,331 8,229 1,576 220 9,525 22,493 10,991 8,480 1,199 5,002 377 10,426 8,677 2,004 403 10,226 54,219 23,965 11,781 66,824 4,389 1,199 5,002 377 10,480 8,677 2,004 403 10,285 8,510 12,29 86,380 4,389 1,683 4,811 8,19 8,19 8,19 8,19 8,19 8,19 8,19			134,663						2,717	66,851					_							4,410	1,032	5,665	157	4,424	25,729
399 9.331 9.241 9.252 9.327 0.204 403 10.259 9.4210 23.366 11.761 66.824 9.339 1.1179 1.002 5.142 9.77 9.002 5.142 9.70 9.331			134,444						2,712	68,822					Ψ,							4,381	1,207	5,461	132	3,171	24,126
367 10,483 8,690 2,163 488 10,385 6,5166 22,431 12,279 6,5308 4,417 1316 4,782 616 818 38 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			131,203					72 450	2,614	74.262					- 0		•					986,4	9 0	5,002	070	2,090	24,047
355 9,745 8,484 2,126 512 10,099 55,432 2,2370 12,418 65,384 4,417 1,316 4,702 616 380 8,441 7,782 1,909 475 9,116 50,622 20,365 13,512 56,0575 4,486 939 4,702 214 4,228 66.62 6,742 1,240 449 7,554 46,797 19,000 14,916 50,881 4,003 4,405 98 320 5,629 5,683 932 399 6,215 4,229 14,749 13,849 4,199 4,003 4,405 98 4,522 5,14 5,77 5,77 5,77 5,77 5,77 5,77 5,77 5,7			137.357					23,130	2 764	75.240							•			٠		4,389	1,020	4 851	0,0	2,010	24 602
886 8441 7,782 1809 475 9,115 50,622 20,965 13,512 58,075 4,486 939 4,922 214 428 6,682 513,512 58,075 4,486 939 4,922 214 428 6,682 513,512 56,032 5,623 5,632 56,03 392 399 6,216 4,2299 14,749 13,849 4,151 6,094 4,151 6,094 4,153 115,997 15,460 4,1768 4,061 399 4,528 56 517 5,797 5,633 834 374 6,094 4,153 115,897 15,460 4,1768 4,061 349 7,576 200 4,999 331 5,999 341,444 15,226 16,688 39,682 5,982 5,982 6,981 2,000 4								21.273	3,000	71.644							•					4.417	1,316	4.762	616	2.540	24.682
428 6.662 6.742 1.240 449 7.554 46.797 19.000 14.916 50.881 4.003 494 4.405 98 8.50 6.622 6.683 9.622 8.90 9.22 9.90 9.22 6.629 9.00 9.22 6.629 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.								17,036	2,706	63,755												4,486	626	4,922	214	3,445	25,475
320 5629 568 932 399 6.215 42.299 14,749 13.849 4,199 4,651 399 4,552 56 517 5.707 5,537 5,533 834 374 6,094 41,731 15,697 15,497 5,533 689 334 5,999 4,1744 15,256 16,698 39,682 5,955 4,22 6,815 200 14,144 16,256 16,698 39,682 5,955 4,22 6,815 200 14,104des both wood pulp and the wood pulp equivalent of paper and board except hardboard and insulating board. **Includes both wood (except chips), wood pulp, and the wood pulp equivalent of paper and board except hardboard and insulating board. **Includes cooperage logs, poles and pling, fence poets, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts and miscellaneous items. **Doesn't include OSB until 1980.** **Doesn't include OSB. MDF, and Paperboard until 1967.** ***Phor to 2000, pulpwood logs are not included in logs.				34,570				11,753	2,502	47,049	5,105	1,985										4,003	494	4,405	86	4,317	23
517 5,797 5,632 844 374 6,044 41,531 15,697 15,450 41,768 4,051 427 5,716 200 489 5,833 5,632 689 331 5,5980 441,541 41,220 16,888 39,682 5,955 422 6,815 200 **Includes both wood pulp and the wood pulp equivalent of paper and board except hardboard and insulating board. Includes both wood pulp and the wood pulp equivalent of paper and board except hardboard and insulating board. Includes both wood pulp and the wood pulp equivalent of paper and board except hardboard and insulating board. Includes cooperage logs, poles and pilmg, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, romand insulating board except hardboard and insulating board includes cooperage logs, poles and pilmg, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, and miscellaneous items. *Doesn't include OSB until 1980. *Doesn't include OSB. MDF, and Paperboard until 1967. *Prior to 200 uplowood logs are not included in logs.				26,117				8,404	2,089	38,949	4,373										•	4,051	336	4,528	26	3,281	22,222
489 5,853 5,952 698 331 5,989 41,144 15,226 15,988 38,982 5,993 4,000 4,99 5,953 5,900 4,000 4,900 4,0			97,371	27,769				8,822	1,482	39,295	4,546											4,051	447	5,716	200	3,941	22,222
	2011 125,98	123,013	103,762	750,72				8,730	1,759	42,710	4,536		-	,833 5,	932	. 33	2,98	41,14	7,01	7 16,68	39,682	GCB,C	47.7		200	3,941	3
	Conversion racti	ors taken from	GIR RM-13	99 (54). ::ing (23):	9	Cook alecim	ointion (23).	of cfc.	+ 1000 +00	cood alata	Jo oc.	. 0	= =	cludes both	ind poom	o and the v	dind poon	equivalent o	of paper a	nd board e	xcept hardbo	ard and insu	ating board	d.	od paitol	7	
	0.5. Departmen	It of Agriculture	e, roiest oei	MICE (23)	, rile cie	A To	Sciation (55)	, Data IIIa)	IOI and	o lotals ped	nase or loc	, g	= =	annes banns	oxa) noon	sprciips),	wood pulp	allo ule w	dind non	adulyalent	n paper and	noain excep	i riai uboarc	alio iliso	idiliy bod	j.	
	Data for wood p	od & softwood	revised, All	-dry werg	ate 20% of	limber	ure content.						Ě	omical wood	elage log:	s, poles all	u pilling, ici	lue pusis, i	idwii iida		d miliodis, po	A DOILS, EXCE	sion nois				
	includes hardwo	od & softwood	1 plywood ar	nd lamina;	ted veneer	lumber. LV	A. begins in	1980.					ŠŽ	pesn't includ	t, similigie de OSBur	JULIS, AILU HII 1980.	IIIscaliai	one items.									
les wood pulp and other.	ncludes hardbos	ard particlebo	ard insulatir	na board.	OSB and	MDF							ام	pesn't includ	e OSB.												
	excludes wood p	λulb used in hε	ardboard and	1 insulatin	na board. II	ncludes wor	od bulp and	other.					O _m	oesn't inclu	de OSB, N	IDF, and F	aperboard	until 1967.									
	Vood pulp/1000	added to othe	r/100 (Table	,45).	,								'n.	ior to 2000,	boowdind	logs are r	ot included	in logs.									
	Excludes veneer	r produced and	d consumed	in indust	ries other ti	han the plvv	vood indust	Ņ					ž	ot available.													

Table 9—U.S. annual industrial wood product production in thousands of short tons, product weight, 1965–2011 ^a

Year	Total	Softwood plywood ^b	Oriented strandboard ^b	Laminated veneer lumber ^b	Hardwood plywood and veneer ^c	Softwood lumber ^d	Hardwood lumber ^d	Lumber made at pallet plants ^e	Particleboard production f	Hardboard production ⁹	Medium-density fiberboard production ^f	Pulp paper and board ^h	Other industrial products, production and con- sumption ⁱ	Insulating board ^j
1965	108,868	6,807	z	z	1,345	28,599	15,929	171	1,059	913	105	43,465	9,240	1,234
1966	113,194	7,140	z	z	1,362	28,162	16,488	203	1,333	964	117	46,971	9,323	1,131
1967	110,997	7,146	z	z	1,257	27,503	15,712	204	1,510	949	130	46,969	8,498	1,178
1968	116,505	8,036	z	z	1,318	28,589	14,740	225	1,956	1,160	145	50,561	8,498	1,176
			z	z										
1969	119,987	7,489	z	z	1,227	27,669	14,727	262	2,365	1,327	161	53,530	9,900	1,330
1970	119,523	7,842	z	z	1,179	26,876	14,057	247	2,434	1,370	179	53,408	10,758	1,173
1971	124,453	9,097	z	z	1,263	29,326	14,254	270	3,317	1,633	198	53,753	9,933	1,410
1972	130,569	10,021	z	z	1,332	30,239	14,334	303	4,330	1,812	220	58,009	8,531	1,439
1973	134,386	10,011			1,186	30,836	14,837	363	4,866	1,891	245	60,548	8,168	1,437
1974	126,340	8,683	z	z	919	27,046	14,257	402	4,324	1,767	272	60,403	7,062	1,205
1975	113,646	8,777	z	z	690	26,112	12,325	312	3,520	1,775	302	52,393	6,353	1,087
1976	128,233	10,084	z	z	711	29,873	13,462	383	4,485	2,120	394	59,283	6,188	1,251
1977	134,926	10,596	z	z	779	31,923	14,343	462	5,019	2,411	620	61,149	6,353	1,271
1978	139,305	10,918	z	z	778	32,704	15,120	529	5,231	2,445	714	63,085	6,518	1,262
1979	141,932	10,748	z	z	755	32,509	15,706	580	4,748	2,402	713	65,873	6,683	1,215
1980	134,084	8,932	84	53	681	27,530	15,452	505	4,148	1,919	693	66,217	6,848	1,021
1981	129,344	9,161	169	70	641	24,797	12,622	494	4,035	1,908	726	66,931	7,013	780
1982	124,212	8,666	348	70	909	23,222	13,494	447	3,365	1,746	627	63,483	7,178	657
1983	141,762	10,653	838	88	971	29,020	14,794	505	4,231	2,282	849	69,352	7,343	836
1984	150,006	10,897	1,276	88	988	30,434	17,027	591	4,494	2,137	892	72,742	7,508	934
1985	148,775	11,030	1,668	123	881	30,577	16,196	650	4,684	1,969	963	71,459	7,673	904
1986	160,772	12,096	2,196	140	912	34,435	17,680	721	5,067	1,819	1,098	75,964	7,838	806
1987	170,449	12,523	2,548	158	1,000	37,415	19,006	797	5,212	1,705	1,264	79,830	8,168	823
1988	174,787	12,359	2,878	193	1,019	37,224	19,813	876	5,385	1,599	1,320	82,847	8,415	859
1989	175,777	11,695	3,191	210	1,011	36,653	20,345	943	5,425	1,624	1,364	83,257	9,158	901
1990 1991	176,550 171,867	11,440 10,200	3,386 3,508	280 280	1,009 982	34,941 32,373	20,792 18,847	996 1,005	5,352 5,304	1,570 1,530	1,336 1,347	85,307 86,546	9,273 9,092	868 853
1991	171,667	10,200	4,158	298	934	32,373	19,276	1,005	5,597	1,648	1,499	90,885	9,092	868
1992	180,831	10,572	4,156	368	992	32,165	20,620	960	5,597	1,640	1,633	90,005	8,532	866
1994	185,905	10,740	4,679	403	1,182	33,297	20,900	863	6,387	1,627	1,759	96,595	6,617	857
1995	185,630	10,591	4,939	490	1,209	31,467	21,337	768	5,906	1,541	1,557	98,582	6,386	857
1996	186,758	10,490	5,821	560	1,171	32,476	21,074	660	6,270	1,650	1,752	98,334	5,643	857
1997	193,114	9,824	6,584	665	1,229	33,844	21,386	733	6,372	1,407	1,948	102,822	5,445	857
1998	191,746	9,721	7,017	718	1,288	33,853	21,480	744	6,459	1,344	1,970	101,262	5,033	857
1999	196,307	9,743	7,258	838	1,323	35,736	21,814	735	6,773	1,371	1,987	102,955	4,917	857
2000	193,159	9,557	7,441	833	1,487	35,110	21,259	735	6,756	1,182	2,093	100,900	4,950	857
2001	182,836	8,269	7,833	935	1,381	33,760	19,970	735	5,760	1,038	1,946	95,080	5,273	857
2002 ^r	185,987	8,313	8,391	982	1,376	34,979	19,828	735	6,207	912	2,280	95,890	5,238	857
2003	182,803	8,042	8,509	1,181	1,343	35,738	17,709	735	5,603	1,345	2,261	94,232	5,247	857
2004	191,271	8,020	8,919	1,510	1,327	38,147	18,662	735	6,053	1,212	2,457	98,124	5,247	857
2005	191,576	7,837	9,366	1,586	1,311	38,825	18,829	735	5,781	1,358	2,588	97,256	5,247	857
2006	190,236	7,343	9,350	1,544	1,188	37,806	18,586	735	5,702	1,209	2,610	98,025	5,280	857
2007	184,048	6,695	9,227	1,316	1,162	34,323	17,901	735	4,982	1,035	2,656	97,795	5,363	857
2008	163,319	5,598	8,127	908	1,115	28,484	11,453	735	4,101	911	2,400	93,844	4,785	857
2009 2010	143,890	4,708 4,994	5,999	572 719	1,040 985	22,688	11,794 9,550	735 735	3,085	696 849	2,350	84,524	4,843	857 857
2010	148,590 153.244	4,994 4,911	6,437 6,274	719	1,051	24,213 26.119	9,550	735 735	3,216 3,221	788	2,000 2,053	89,193 87,744	4,843 7,119	857 857
			0,274						3,441	100	2,000	01,144	1,118	001

^aSources for recent production data (some earlier data are Forest Service estimates or from Department of Commerce):

^bAPA-The Engineered Wood Association (11).

^cDepartment of Commerce (to 1988); 1989–1990 data from Hardwood Plywood & Veneer Association;

later estimates based on trends in value of shipments (Department of Commerce); hardwood veneer based on Census of Manufactures data and trend in value of shipments.

d1965–1976 based on Commerce Department data and Forest Service estimates; 1976-1998 American Forest & Paper Association (AF&PA).

Statistical Roundup (4) (1996 hardwood estimated by Forest Service; 1997–1998 hardwood estimate from Miller Freeman).

⁽Note that the Commerce Department reported hardwood lumber production is understood to underestimate actual production as reflected in Forest Service estimates since 1900.)

^eForest Service estimate of lumber cut from roundwood at pallet plants.

Other lumber (e.g., purchased lumber) used by pallet makers is accounted for under hardwood and softwood lumber production.

[†]Composite Panel Association (based on production data 1959–1977, and 1995–1997; otherwise based on shipments; 1998 data are estimated) (15).

⁹Shipments data from American Hardboard Association (1965–1997) and as reported by Miller Freeman (1998); 1998 figure is estimated (8).

^hAF&PA, formerly API (Statistics of Paper, Paperboard & Woodpulp) (5). Paper and paperboard production includes "Total Paper," "Total Paperboard," and "Building Paper" production. Total production of pulp, paper, and paperboard includes market pulp produced for export.

Data through 1988 were obtained from U.S. Timber Production, Trade, Consumption, and Price Statistics reports (USDA Forest Service).

Miscellaneous wood product production for 1996 based on timber product output tables in (draft) 1997 RPA Inventory Data Tables, intervening and subsequent data are extrapolated.

¹Derived using earlier data from Commerce Department MA26A reports (in square feet of product output) to convert tonnage reported in AF&PA and earlier API reports.

²Not available.

Revised.

Table 10 - Industrial wood productivity, 1965-2011a

		rial wood	T-1-12-11-12-1		Roundwood	equivalents of	of production				D 'I.
	wood prod	ity (industrial uct output per ndwood input)	Total industrial wood product production (from Table 9)	Hardwoods ^b	Softwoods ^c		Totals		Recovered paper utilization	U.S. population	Per capita industrial wood product production
Year	lb/ft ³	Tons/ton	Thousand tons	Million ft ³	Million ft ³	Million ft ³	short tons ^d	metric tons	rate (%) ^e	millions	lb/capita
1965	19.28	0.6929	108,261	2,912	8,319	11,230	156,247	141,744	23.5%	194.3	1,114
1966	19.52	0.7007	112,432	3,045	8,476	11,520	160,461	145,567	22.6%	196.6	1,144
1967	19.44	0.6991	110,134	2,900	8,432	11,332	157,547	142,924	21.2%	198.7	1,109
1968	19.54	0.7052	115,421	2,842	8,972	11,814	163,678	148,485	20.4%	200.7	1,150
1969	19.85	0.7149	118,703	2,979	8,983	11,963	166,052	150,639	22.1%	202.7	1,171
1970	18.24	0.6571	118,211	3,211	9,752	12,963	179,886	163,189	22.8%	205.1	1,153
1971	19.94	0.7206	122,665	2,895	9,405	12,300	170,218	154,419	22.8%	207.7	1,181
1972	20.40	0.7376	128,216	2,935	9,632	12,567	173,840	157,704	22.5%	209.9	1,222
1973	20.59	0.7433	131,730	3,064	9,731	12,795	177,225	160,775	23.5%	211.9	1,243
1974	20.08	0.7235	123,996	3,051	9,301	12,352	171,383	155,475	23.7%	213.9	1,159
1975	19.76	0.7165	111,787	2,473	8,844	11,317	156,016	141,534	23.0%	216.0	1,035
1976	20.80	0.7533	125,859	2,722	9,381	12,102	167,078	151,570	23.4%	218.0	1,155
1977	21.12	0.7647	132,289	2,821	9,709	12,529	172,986	156,929	23.4%	220.2	1,202
1978	21.12	0.7633	136,542	3,030	9,900	12,930	178,891	162,286	23.8%	222.6	1,227
1979	21.09	0.7620	139,443	3,125	10,096	13,221	182,998	166,012	23.9%	225.1	1,239
1980	21.85	0.7858	131,899	3,093	8,980	12,073	167,857	152,276	23.5%	227.7	1,159
1981	22.22	0.8003	127,276	2,856	8,600	11,456	159,032	144,270	23.4%	230.0	1,107
1982	21.66	0.7784	122,574	2,940	8,376	11,316	157,464	142,848	23.7%	232.2	1,056
1983	21.75	0.7811	139,888	3,364	9,502	12,866	179,093	162,469	23.4%	234.3	1,194
1984	22.19	0.7951	148,099	3,652	9,693	13,346	186,275	168,985	23.8%	236.3	1,253
1985	21.99	0.7875	146,873	3,671	9,687	13,358	186,499	169,188	23.8%	238.5	1,232
1986	21.80	0.7801	158,793	4,053	10,516	14,569	203,554	184,660	24.7%	240.7	1,319
1987	22.04	0.7899	168,479	4,149	11,140	15,290	213,302	193,503	24.6%	242.8	1,388
1988	22.28	0.7971	172,817	4,330	11,185	15,514	216,811	196,686	25.1%	245.0	1,411
1989	22.28	0.7949	173,912	4,553	11,165	15,611	218,772	198,465	25.7%	247.3	1,411
1990	22.20	0.7949	174,796	4,609	10,850	15,459	216,772	196,812	27.0%	249.9	1,399
1991	22.60	0.8057	174,790	4,493	10,5572	15,439	211,428	190,812	29.1%		
1991	23.62	0.8387	177,932		10,372	15,065	211,426	191,603	30.9%	252.7 255.4	1,347
	24.28		177,932	4,717	9,835	,	,	,			1,393
1993	24.26 24.56	0.8582		4,921		14,756	208,723	189,350	32.3%	258.1	1,388
1994		0.8686	184,058	4,956	10,036	14,991	211,906	192,237	33.7%	260.7	1,412
1995	24.13	0.8505	184,152	5,288	9,978	15,265	216,532	196,434	34.4%	263.0	1,400
1996	24.55	0.8659	185,428	5,186	9,921	15,107	214,138	194,262	36.9%	265.5	1,397
1997	24.98	0.8806	191,964	5,322	10,047	15,368	217,991	197,757	36.4%	267.9	1,433
1998	24.99	0.8811	190,698	5,259	10,005	15,264	216,422	196,334	37.1%	270.3	1,411
1999	25.87	0.8858	197,420	5,255	10,006	15,260	216,363	196,280	37.1%	273.2	1,445
2000	25.56	0.9017	194,210	5,201	9,998	15,199	215,391	195,398	39.1%	282.1	1,377
2001	25.56	0.9030	184,844	4,857	9,608	14,465	204,698	185,698	39.1%	284.8	1,298
2002	26.14	0.8983	188,404	4,762	9,653	14,416	203,760	184,847	40.0%	287.5	1,311
2003	25.98	0.9253	182,803	4,213	9,861	14,074	197,570	179,232	37.5%	291.1	1,256
2004	26.03	0.9274	191,271	4,376	10,321	14,697	206,236	187,093	37.2%	294.0	1,301
2005	25.98	0.9256	191,576	4,388	10,362	14,750	206,968	187,757	37.8%	296.7	1,291
2006	26.48	0.9423	190,236	4,351	10,019	14,371	201,889	183,150	37.7%	289.8	1,313
2007	27.12	0.9643	184,048	4,167	9,407	13,574	190,869	173,153	37.9%	301.7	1,220
2008	28.26	1.0107	163,319	3,247	8,311	11,558	161,584	146,586	34.7%	304.5	1,073
2009	27.45	0.9743	143,890	3,306	7,178	10,483	147,689	133,980	37.4%	307.2	937
2010	27.86	0.9919	148,590	3,214	7,453	10,667	149,808	135,903	38.0%	309.8	959
2011	26.73	0.9489	153,244	3,600	7,867	11,467	161,494	146,505	37.2%	312.0	982

^aU.S. Department of Agriculture, Forest Products Laboratory (20, 21); American Forest & Paper Association (3).

The average specific gravity for hardwood is .52

^cThe average specific gravity for softwood is .42

 $^{^{}d}$ The weight density of a cubic foot of water in pounds is 62.4. Example: $((0.52 \times 62.4/2000) + (0.42 \times 62.4/2000)) \times 1000$.

^eUtilization rate is the ratio of recovered paper consumuption to total production of paper and board

Table 11a—Per capita consumption of timber products, by major product, 1965–2011

				Ind	ustrial roun	dwood used for					
									Other		
	All	Total							industrial		
	products	roundwood		Lumber	Plywo	ood and veneer	Pulp pi	roducts	products ^b	Fuel	wood
	cubic	cubic	cubic	board feet	cubic	board feet	cubic		cubic	cubic	
Year	feet	feet	feet	(lumber tally)	feet	(local log rule)	feet	cords	feet	feet	cords
1965	68.5	63.2	35.6	194	5.9	27	18.9	0.2	2.9	5.3	0.067
1966	69.1	63.8	34.9	190	6.1	28	19.9	0.2	2.9	5.3	0.066
1967	66.6	61.2	33.5	182	5.9	27	19.2	0.2	2.6	5.4	0.067
1968	68.9	63.5	34.4	187	6.8	31	19.8	0.2	2.6	5.5	0.068
1969	69.5	64.1	33.5	182	6.3	29	21.4	0.3	3.0	5.4	0.068
1970	73.8	67.6	36.0	196	6.4	30	22.1	0.3	3.2	6.2	0.077
1971	70.9	65.0	34.7	189	7.4	34	20.0	0.3	2.9	5.9	0.074
1972	72.2	66.2	36.2	197	8.1	37	19.4	0.2	2.5	6.1	0.076
1973	71.7	66.1	36.2	197	7.7	35	19.8	0.2	2.3	5.7	0.071
1974	68.5	62.3	32.9	179	6.3	29	21.2	0.3	2.0	6.2	0.077
1975	61.2	55.4	30.7	167	6.2	29	16.7	0.2	1.8	5.8	0.073
1976	65.4	59.7	32.2	175	7.2	33	18.6	0.2	1.7	5.7	0.071
1977	69.7	63.3	35.8	195	7.6	35	18.1	0.2	1.7	6.5	0.081
1978	73.8	65.5	36.9	201	7.8	36	19.1	0.2	1.8	8.3	0.104
1979	74.7	64.8	35.4	192	7.3	34	20.3	0.3	1.8	9.9	0.124
1980	68.6	57.0	29.6	161	5.8	27	19.8	0.2	1.8	11.6	0.145
1981	66.5	54.3	27.2	148	5.7	26	19.5	0.2	1.8	12.2	0.153
1982	68.2	53.0	27.0	147	5.6	26	18.5	0.2	1.9	15.2	0.191
1983	75.4	60.9	32.6	177	6.9	32	19.5	0.2	1.9	14.5	0.181
1984	79.3	64.0	34.8	189	6.9	32	20.4	0.3	1.9	15.3	0.192
1985	78.9	64.4	35.1	191	6.9	32	20.5	0.3	1.9	14.5	0.181
1986	82.8	68.1	37.0	201	7.3	34	21.9	0.3	2.0	14.7	0.183
1987	82.3	70.2	38.6	210	7.5	35	22.1	0.3	2.0	12.1	0.151
1988	79.9	68.1	36.8	200	7.1	33	22.2	0.3	2.1	11.8	0.148
1989	78.6	67.1	36.8	200	5.9	27	22.1	0.3	2.2	11.5	0.144
1990	76.4	64.8	34.5	188	5.6	26	22.4	0.3	2.2	11.6	0.145
1991 1992	75.8 72.9	61.4	32.5	177	5.0	23	21.8	0.3	2.2 2.1	14.4	0.180
	72.9 71.5	61.7	32.8	178	5.0	23 23	21.8	0.3		11.2	0.139
1993 1994	71.5 71.6	62.1 63.1	33.3 34.4	181 187	5.0 5.1	23	21.7 22.0	0.3 0.3	2.0 1.5	9.5 8.4	0.118 0.106
1994	71.6 72.4	64.2	34.4 34.0	185	5.1 5.0	23	23.7	0.3	1.5	8.4 8.2	0.106
1995	72.4	63.1	34.0 34.6	188	5.0 4.9	23 22	22.3	0.3	1.3	6.2 7.2	0.102
1990	70.3	63.9	35.2	191	4.9	21	22.9	0.3	1.3	6.3	0.091
1998	71.0	64.9	35.7	194	4.7	22	23.4	0.3	1.1	6.0	0.075
1999	70.7	64.8	36.6	199	4.8	22	22.3	0.3	1.1	5.9	0.073
2000	68.5	62.8	35.1	191	4.6	21	22.1	0.3	1.1	5.7	0.074
2001	66.4	60.7	34.1	185	4.3	20	21.2	0.3	1.1	5.7	0.072
2002 ^r	66.0	60.7	34.8	189	4.4	20	20.4	0.3	1.1	5.3	0.066
2002	65.4	60.1	34.2	186	4.3	20	20.4	0.3	1.1	5.2	0.065
2003	69.0	63.7	37.1	202	4.7	22	20.8	0.3	1.1	5.2	0.065
2004	68.6	63.3	37.1	202	4.7	22	20.8	0.3	1.1	5.2	0.065
2005	67.4	62.0	36.3	198	4.7	21	20.3	0.3	1.1	5.4	0.065
2007	58.8	53.4	30.8	168	3.8	17	17.8	0.3	1.1	5.4	0.067
2008	47.4	42.4	22.8	124	2.9	14	15.8	0.2	1.0	5.0	0.062
2009	41.1	36.6	18.3	100	2.4	11	14.9	0.2	1.0	4.6	0.057
2010	41.2	36.7	18.6	101	2.5	11	14.7	0.2	0.9	4.5	0.056
2011	46.9	42.4	19.8	108	2.5	11	18.7	0.2	1.4	4.5	0.056

^aU.S. Department of Agriculture, Forest Service (22,34); U.S. Council of Economic Advisors (43); Data may not add to totals because of rounding.

^bIncludes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

Revised.

Table 11b—Per capita consumption of timber products, by major product, 1965–2011 (cubic meters)^a

(cubic m	leters)		Industri	al roundwood	used for		
			muusiii	ai iouiiuwoou	u360 101	Other	
	All	Total		Plywood	Pulp	industrial	
Year	products	roundwood	Lumber	and veneer	products	products ^b	Fuelwood
1965	1.940	1.789	1.008	0.166	0.534	0.082	0.151
1966	1.956	1.807	0.989	0.172	0.564	0.081	0.150
1967	1.886	1.734	0.948	0.167	0.545	0.073	0.152
1968	1.952	1.798	0.974	0.191	0.559	0.073	0.155
1969	1.969	1.815	0.948	0.178	0.605	0.084	0.154
1970	2.090	1.916	1.019	0.182	0.625	0.090	0.175
1971	2.008	1.840	0.981	0.209	0.567	0.082	0.168
1972	2.045	1.873	1.025	0.229	0.549	0.070	0.171
1973	2.032	1.871	1.026	0.218	0.561	0.066	0.161
1974	1.939	1.765	0.930	0.179	0.600	0.057	0.174
1975	1.733	1.568	0.870	0.175	0.472	0.050	0.165
1976	1.851	1.691	0.913	0.203	0.526	0.049	0.160
1977	1.975	1.791	1.014	0.215	0.512	0.050	0.184
1978	2.090	1.854	1.044	0.220	0.540	0.050	0.236
1979	2.114	1.834	1.001	0.207	0.575	0.051	0.280
1980	1.943	1.614	0.838	0.164	0.560	0.052	0.329
1981	1.883	1.536	0.770	0.163	0.551	0.052	0.347
1982	1.932	1.501	0.766	0.159	0.523	0.053	0.432
1983	2.136	1.726	0.923	0.196	0.553	0.054	0.411
1984	2.246	1.812	0.985	0.195	0.577	0.055	0.434
1985	2.235	1.825	0.993	0.196	0.580	0.055	0.410
1986	2.345	1.929	1.048	0.206	0.619	0.056	0.416
1987	2.330	1.988	1.092	0.213	0.626	0.058	0.342
1988	2.263	1.927	1.041	0.200	0.628	0.059	0.335
1989	2.226	1.900	1.043	0.168	0.624	0.064	0.326
1990	2.163	1.835	0.978	0.160	0.633	0.064	0.329
1991	2.145	1.738	0.919	0.141	0.616	0.062	0.407
1992	2.065	1.749	0.929	0.143	0.616	0.061	0.316
1993	2.025	1.757	0.943	0.142	0.615	0.057	0.268
1994	2.027	1.787	0.975	0.144	0.624	0.044	0.239
1995	2.049	1.817	0.963	0.142	0.671	0.042	0.231
1996	1.991	1.786	0.980	0.138	0.632	0.036	0.205
1997	1.988	1.809	0.997	0.129	0.648	0.035	0.180
1998	2.010	1.839	1.012	0.134	0.662	0.032	0.171
1999	2.003	1.835	1.037	0.135	0.631	0.031	0.168
2000	1.940	1.777	0.993	0.129	0.625	0.030	0.163
2001	1.879	1.718	0.964	0.122	0.600	0.032	0.161
2002 ^r	1.870	1.720	0.986	0.124	0.579	0.031	0.150
2003	1.851	1.703	0.969	0.122	0.581	0.031	0.147
2004	1.953	1.805	1.052	0.134	0.588	0.031	0.148
2005	1.942	1.794	1.056	0.134	0.573	0.030	0.148
2006	1.909	1.757	1.029	0.128	0.569	0.031	0.152
2007	1.664	1.513	0.873	0.107	0.503	0.031	0.151
2008	1.342	1.202	0.646	0.083	0.446	0.027	0.140
2009	1.165	1.036	0.519	0.068	0.422	0.027	0.129
2010	1.166	1.038	0.526	0.070	0.415	0.027	0.128
2011	1.327	1.200	0.562	0.070	0.529	0.039	0.127

^aU.S. Department of Agriculture, Forest Service (22,34); U.S. Council of Economic Advisors (43); Data may not add to totals because of rounding.

^bIncludes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

rRevised.

Table 12—Consumption of selected timber products and other materials used in construction, manufacturing, and shipping, 1965–201f

			Lum	nber					Plywo	ood		
	Т	otal	Softw	oods	Hard	woods	Tota	al	Softwo	ods	Hardwo	oods
	Consump-		Consump-		Consump-		Consump-		Consump-		Consump-	
	tion		tion		tion		tion		tion		tion	
	Billion		Billion		Billion		Billion		Billion		Billion	
	board	Index	board	Index	board	Index	square feet	Index	square feet	Index	square feet	Index
Year	feet	1996 = 100	feet	1996 = 100	feet	1996 = 100	(3/8-in. basis)	1996 = 100	(3/8-in. basis)	1996 = 100	(3/8-in. basis)	1996 = 100
1965	43.1	70.3	33.4	67.5	9.7	82.2	15.5	73.0	12.4	68.9	3.1	95.7
1966	42.7	69.7	32.7	66.1	10.0	84.9	16.3	76.9	13.0	72.2	3.3	102.9
1967	41.4	67.6	32.0	64.6	9.5	80.3	16.0	75.4	12.9	71.5	3.2	97.6
1968	43.1	70.3	34.1	68.9	9.0	76.3	18.5	87.2	14.6	81.3	3.9	120.2
1969	42.3	69.0	33.2	67.1	9.1	77.1	17.5	82.2	13.5	75.0	4.0	122.7
1970	40.8	66.5	32.2	65.1	8.6	72.8	18.0	84.8	14.2	79.0	3.8	117.3
1971	45.0	73.4	36.4	73.5	8.6	73.1	21.0	98.8	16.5	91.8	4.5	137.9
1972	47.5	77.5	38.8	78.3	8.7	74.2	23.3	109.5	18.1	100.5	5.2	159.9
1973	47.9	78.3	38.8	78.4	9.1	77.6	22.2	104.5	17.9	99.4	4.3	133.0
1974	41.6	67.9	32.9	66.5	8.7	73.9	18.3	86.2	15.3	85.1	3.0	92.2
1975	38.4	62.7	31.1	62.8	7.4	62.5	18.2	85.5	15.3	84.7	2.9	89.9
1976	44.1	72.0	36.1	72.8	8.1	68.5	21.1	99.3	17.7	98.4	3.4	104.1
1977	49.4	80.5	40.7	82.2	8.6	73.4	22.5	105.8	19.1	106.0	3.4	104.4
1978	51.4	83.9	42.5	85.9	8.9	75.8	23.4	110.0	19.7	109.5	3.6	113.0
1979	50.1	81.7	40.8	82.4	9.3	78.8	22.5	105.8	19.3	107.0	3.2	98.8
1980	42.8	69.8	33.8	68.3	9.0	76.0	18.2	85.6	16.0	88.8	2.2	68.0
1981	39.3	64.1	32.0	64.7	7.3	61.7	18.5	87.1	16.1	89.3	2.4	74.7
1982	39.1	63.9	31.3	63.3	7.8	66.6	18.6	87.6	15.4	85.5	3.2	99.5
1983	48.4	79.0	39.9	80.6	8.5	72.5	23.1	108.7	18.9	105.0	4.2	129.1
1984	52.8	86.1	42.9	86.6	9.9	84.0	23.6	110.8	19.6	108.8	3.9	122.3
1985	54.0	88.1	44.4	89.8	9.6	81.1	24.3	114.2	19.9	110.5	4.4	134.9
1986	57.9 61.5	94.5	47.6	96.2	10.3	87.5 93.7	26.1 27.5	122.7 129.4	21.6 22.2	119.7	4.5	139.4 163.2
1987 1988	59.2	100.3 96.6	50.5 48.3	101.9 97.7	11.0 10.9	93.7	27.5 26.4	129.4	21.7	123.4 120.4	5.3 4.7	145.9
1989	60.6	98.9	40.3 49.1	97.7	11.5	98.0	23.3	109.9	20.0	111.0	3.4	145.9
1990	57.4	93.7	45.7	92.4	11.7	99.3	23.3	105.3	19.3	107.4	3.4	94.0
1991	52.1	85.0	41.6	84.1	10.4	88.6	20.1	94.4	17.4	96.3	2.7	83.5
1992	55.8	91.1	45.1	91.1	10.7	90.8	20.8	97.8	17.9	99.5	2.8	87.8
1993	57.2	93.3	45.7	92.3	11.5	97.5	20.9	98.5	17.9	99.6	3.0	92.6
1994	59.8	97.6	48.2	97.3	11.6	98.9	21.7	102.0	18.5	102.5	3.2	99.2
1995	59.5	97.1	47.6	96.1	11.9	101.4	21.6	101.9	18.2	100.8	3.5	107.9
1996	61.3	100.0	49.5	100.0	11.8	100.0	21.2	100.0	18.0	100.0	3.2	100.0
1997	62.9	102.7	51.0	103.1	11.9	101.1	20.1	94.8	16.5	91.7	3.6	112.3
1998	64.5	105.2	52.2	105.5	12.2	103.8	21.2	99.8	17.2	95.4	4.0	124.1
1999	66.8	109.1	54.4	109.9	12.4	105.5	21.7	102.0	17.3	96.3	4.3	134.2
2000	66.1	107.9	54.0	109.1	12.1	102.7	21.7	102.3	17.1	95.2	4.6	141.9
2001	64.9	106.0	53.7	108.5	11.3	95.6	19.8	93.0	15.3	84.8	4.5	139.3
2002r	67.1	109.5	55.8	112.8	11.3	95.7	20.8	97.9	15.7	87.0	5.1	158.7
2003	67.0	109.3	56.8	114.8	10.1	86.0	20.6	97.0	15.6	86.6	5.0	154.9
2004	73.5	120.0	62.8	126.8	10.8	91.5	22.5	106.1	16.2	89.9	6.3	196.3
2005	74.5	121.6	63.6	128.4	10.9	92.9	22.6	106.4	16.3	90.7	6.3	194.1
2006	70.9	115.7	60.6	122.3	10.3	87.9	21.0	98.7	14.9	82.4	6.1	189.3
2007	62.5	102.0	52.6	106.2	9.9	84.3	18.3	85.9	12.8	70.9	5.5	169.6
2008	46.9	76.5	40.7	82.1	6.2	52.7	14.6	68.6	10.4	57.6	4.2	130.1
2009	37.7	61.5	31.1	62.9	6.6	55.8	12.3	58.0	8.8	48.6	3.6	110.7
2010	38.7	63.1	32.9	66.5	5.8	49.0	12.7	59.6	8.8	48.7	3.9	120.7
2011	41.4	67.6	34.4	69.4	7.1	59.9	12.7	59.8	8.7	48.4	4.0	123.8

Table 12—Consumption of selected timber products and other materials used in construction, manufacturing, and shipping, 1965–2011—Con.

Year (3/4-in. basis) 1996=100 (1/2-in. basis 1996=100 (1/8-in. basis 1996=100 tons 1996=100 tons 1996=100 bricks 1996 1965 832 13.1 3,395 137.4 2,921 55.3 70,328 71.2 11,836 149.0 8,089 10 1966 1,032 16.2 3,098 125.4 3,083 58.4 71,570 72.5 11,862 149.3 7,552 10 1967 1,166 18.3 3,233 130.9 3,038 57.5 70,315 71.2 11,375 143.2 7,117 99 1968 1,489 23.4 3,525 142.7 3,710 70.3 74,740 75.7 12,195 153.5 7,557 10 1969 1,794 28.2 3,656 148.0 4,247 80.4 77,047 78.0 11,402 143.5 7,290 99 1970 1,851 29.1 3,246 131.4 4,384	dex 6=100 98.6 91.4
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Million Million Million Shipments Index Million Mi	6=100 08.6
Year (3/4-in. basis) 1996=100 (1/2-in. basis 1996=100 tons 1996=100 bricks 1996 1965 832 13.1 3,395 137.4 2,921 55.3 70,328 71.2 11,836 149.0 8,089 10 1966 1,032 16.2 3,098 125.4 3,083 58.4 71,570 72.5 11,862 149.3 7,552 10 1967 1,166 18.3 3,233 130.9 3,038 57.5 70,315 71.2 11,375 143.2 7,117 99 1968 1,489 23.4 3,525 142.7 3,710 70.3 74,740 75.7 12,195 153.5 7,557 10 1969 1,794 28.2 3,656 148.0 4,247 80.4 77,047 78.0 11,402 143.5 7,290 99 1970 1,851 29.1 3,246 131.4 4,384 83.0 73,407 74.4 10,5	6=100 08.6
1965 832 13.1 3,395 137.4 2,921 55.3 70,328 71.2 11,836 149.0 8,089 10 1966 1,032 16.2 3,098 125.4 3,083 58.4 71,570 72.5 11,862 149.3 7,552 10 1967 1,166 18.3 3,233 130.9 3,038 57.5 70,315 71.2 11,375 143.2 7,117 99 1968 1,489 23.4 3,525 142.7 3,710 70.3 74,740 75.7 12,195 153.5 7,557 10 1969 1,794 28.2 3,656 148.0 4,247 80.4 77,047 78.0 11,402 143.5 7,290 99 1970 1,851 29.1 3,246 131.4 4,384 83.0 73,407 74.4 10,565 133.0 6,496 89 1971 2,488 39.1 3,889 157.4 5,225 99.0	8.6
1966 1,032 16.2 3,098 125.4 3,083 58.4 71,570 72.5 11,862 149.3 7,552 10 1967 1,166 18.3 3,233 130.9 3,038 57.5 70,315 71.2 11,375 143.2 7,117 99 1968 1,489 23.4 3,525 142.7 3,710 70.3 74,740 75.7 12,195 153.5 7,557 10 1969 1,794 28.2 3,656 148.0 4,247 80.4 77,047 78.0 11,402 143.5 7,290 99 1970 1,851 29.1 3,246 131.4 4,384 83.0 73,407 74.4 10,565 133.0 6,496 89 1971 2,488 39.1 3,889 157.4 5,225 99.0 79,005 80.0 8,666 109.1 7,570 10	
1967 1,166 18.3 3,233 130.9 3,038 57.5 70,315 71.2 11,375 143.2 7,117 98 1968 1,489 23.4 3,525 142.7 3,710 70.3 74,740 75.7 12,195 153.5 7,557 10 1969 1,794 28.2 3,656 148.0 4,247 80.4 77,047 78.0 11,402 143.5 7,290 99 1970 1,851 29.1 3,246 131.4 4,384 83.0 73,407 74.4 10,565 133.0 6,496 89 1971 2,488 39.1 3,889 157.4 5,225 99.0 79,005 80.0 8,666 109.1 7,570 10	1.4
1967 1,166 18.3 3,233 130.9 3,038 57.5 70,315 71.2 11,375 143.2 7,117 98 1968 1,489 23.4 3,525 142.7 3,710 70.3 74,740 75.7 12,195 153.5 7,557 10 1969 1,794 28.2 3,656 148.0 4,247 80.4 77,047 78.0 11,402 143.5 7,290 99 1970 1,851 29.1 3,246 131.4 4,384 83.0 73,407 74.4 10,565 133.0 6,496 89 1971 2,488 39.1 3,889 157.4 5,225 99.0 79,005 80.0 8,666 109.1 7,570 10	
1968 1,489 23.4 3,525 142.7 3,710 70.3 74,740 75.7 12,195 153.5 7,557 10 1969 1,794 28.2 3,656 148.0 4,247 80.4 77,047 78.0 11,402 143.5 7,290 9' 1970 1,851 29.1 3,246 131.4 4,384 83.0 73,407 74.4 10,565 133.0 6,496 8' 1971 2,488 39.1 3,889 157.4 5,225 99.0 79,005 80.0 8,666 109.1 7,570 10	5.6
1969 1,794 28.2 3,656 148.0 4,247 80.4 77,047 78.0 11,402 143.5 7,290 9 1970 1,851 29.1 3,246 131.4 4,384 83.0 73,407 74.4 10,565 133.0 6,496 8' 1971 2,488 39.1 3,889 157.4 5,225 99.0 79,005 80.0 8,666 109.1 7,570 10	1.5
1970 1,851 29.1 3,246 131.4 4,384 83.0 73,407 74.4 10,565 133.0 6,496 8' 1971 2,488 39.1 3,889 157.4 5,225 99.0 79,005 80.0 8,666 109.1 7,570 10	7.9
1971 2,488 39.1 3,889 157.4 5,225 99.0 79,005 80.0 8,666 109.1 7,570 10	7.2
	1.6
	2.8
	6.5
	9.6
	4.1
	6.9
	6.3
	5.3
	3.5
	1.8
	7.9
	8.7
	3.5
	3.9
	8.7
	6.5
	2.1
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	0.6
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	7.2
	9.5
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2011 4,671 73.4 2,470 100.0 2,520 444.0 80,827 81.9 7,379 4.0 N/A N	

^aAmerican Plywood Association (11,12, 13); Composite Panel Association (15); U.S. Department of Commerce, Bureau of Industrial Economics (74);

Wood Technology (86); U.S. International Trade Commission (83, 84).

^bIncludes medium-density fiberboard.

^cU.S. Geological Survey (82).

^dAmerican Iron & Steel Institute (8). Construction, including maintenance; Net shipments.

^eU.S. Department of Commerce, Bureau of the Census (55, 57)

Revised.

Table 13—Volume and value of imports and exports of timber products by product, 2011

		Impo	orts ^a	Expoi	ts	Trade E	Balance ^d
			Value		Value ^c		Value ^c
	Standard unit		Million		Million		Million
Product	of measure	Volume	dollars	Volume	dollars	Volume	dollars
Logs:g,f,k	Million board feet						
Softwoods		97.4	34.4	2,608.0	1,507.8	2,510.6	1,473.4
Hardwoods		54.5	24.5	404.3	646.1	349.9	621.6
Total		151.8	58.9	3,012.3	2,153.9	2,860.5	2,095.0
Lumber: g,e,m	Million board feet						
Softwoods		9289	297.4	1,667.0	972.6	(7,622.0)	675.2
Hardwoods		811.4	375.5	280.2	144.0	(531.2)	(231.5)
Railroad ties ^f		4.7	4.3	0.3	131.0	(4.4)	126.8
Total		10,105.1	677.2	1,947.5	1,247.6	(8,157.6)	570.5
Veneer:	Million square feet						
Softwoods ^{e,f}	3/8" thickness	1,518.2	96.1	180.0	22.8	(1,338.2)	(73.4)
Hardwoods ^{e,f,g}		798.6	169.6	2,201.9	296.2	1,403.3	126.6
Total		2,316.8	265.7	2,381.9	319.0	65.1	53.2
Plywood:e,f	Million square feet						
Softwoods	3/8" thickness	271.0	194.2	413.5	156.4	142.5	(37.8)
Hardwoods	3/8" thickness	2666.99	1,163.2	200.34	104.9	(2,466.7)	(1,058.3)
Total		2,938.0	1,357.4	613.8	261.3	(2,324.2)	(1,096.1)
Particleboard ^e	Million square feet						
T di diological d	3/4" thickness	422.4	176.5	101.2	61.2	(321.2)	(115.3)
Mad Dans Ettadas e			170.0		01.2	(022)	(1.0.0)
Med. Dens. Fiberboard ^e	Million square feet	00.0	550.0	000.5	E 40 E	040.0	(0.0)
	3/4" thickness	92.6	550.8	306.5	542.5	213.9	(8.3)
OSB/Waferboard ^e	Million square feet						
	3/8" thickness	2,898.7	514.7	306.7	78.5	(2,592.0)	(436.2)
Hardboard ^e	Million square feet						
	1/8" thickness assumed	697.4	102.8	796.5	76.8	99.0	(26.0)
Pulpwood:	Thousand cords						, ,
Round ^{9,f}	Thousand cords	70.4	4.0	307.4	37.1	237.0	33.0
Chips ⁹							
Total		27.2	4.7	1,043.0	233.7	1,015.9	229.0
Total		97.6	8.7	1,350.5	270.8	1,252.9	262.0
Wood pulp ^g	Thousand short tons	6,117.0	3,830.0	9,068.0	5,719.0	2,951.0	1,889.0
Paper and board:g,h	Thousand short tons						
Newsprint		2,512.0	1,464.0	930.0	535.0	(1,582.0)	(929.0)
Printing & Writing Paper		5,483.0	4,507.0	2,496.0	2,488.0	(2,987.0)	(2,019.0)
Paperboard		1,783.0	1,434.0	9,048.0	5,744.0	7,265.0	4,310.0
Other paper & board		1,338.0	2,080.0	1,428.0	1,804.0	90.0	(276.0)
Converted products		2,055.0	5,859.0	2,551.0	5,671.0	496.0	(188.0)
Total		13,171.0	15,344.0	16,453.0	16,242.0	3,282.0	898.0
	Thousand short tons		171.0	•		•	
Recovered Paper ^g	Thousand short tons	1,005.0		23,179.0	3,757.0	22,174.0	3,586.0
Other wood products			-938.0		-914.2		23.8
Total all productsk,f,l			22,119.6		29,815.3		7,695.7

^aImports for consumption.

^bCustoms value, which is generally defined as the price actually paid

or payable for merchandise when sold for exportation to the U.S.,

excluding U.S. import duties, freight, insurance, and other charges.

^cValue (free alongside ship) at U.S. ports of export, based on the transaction

price, including inland freight, insurance, and other charges.

dNegative amounts, given in parentheses, indicate imports exceed exports.

^eU.S. Department of Agriculture, Foreign Agricultural Service (91).

^fU.S. International Trade Commission (84).

^gAmerican Forest and Paper Association (3,4,5).

¹Includes tissue, packaging and industrial papers, wet machine board and construction paper & board

^jIncludes poles and piling, fuelwood, wood charcoal, cork, wood containers

wood doors, and other miscellaneous products. Does not include wood furniture nor printed material.

^kIncludes pulpwood logs.

Data may not add to totals because of rounding.

^mWestern Wood Products Association (86).

Table 14—Value of imports and exports of all commodities^a and timber products,^b 1965–2011

			Imports ^c					Exports ^d		
			Tim	ber product	S				ber product	:S
	All com	modities	To	tal		All com	modities	To	tal	_
	Million	Million	Million	Million	Propor-	Million	Million	Million	Million	Propor-
	current	1997	current	1997	tion ^e	current	1997	current	1997	tion ^e
Year	dollars	dollars ^f	dollars	dollars	(%)	dollars	dollars	dollars	dollars	(%)
1965	21,285	84,086	1,977	7,810	9.3	27,135	107,196	917	3,623	3.4
1966	25,360	97,175	2,165	8,296	8.5	29,884	114,510	1,024	3,924	3.4
1967	26,733	102,130	2,087	7,973	7.8	31,142	118,974	1,150	4,393	3.7
1968	32,970	123,011	2,446	9,126	7.4	33,953	126,678	1,362	5,082	4.0
1969	35,863	128,543	2,734	9,799	7.6	37,462	134,274	1,509	5,409	4.0
1970	39,756	137,476	2,546	8,804	6.4	42,590	147,276	1,816	6,280	4.3
1971	45,516	152,437	2,937	9,836	6.5	43,492	145,658	1,692	5,667	3.9
1972	55,290	177,261	3,632	11,644	6.6	48,887	156,733	2,038	6,534	4.2
1973	69,024	195,721	4,468	12,669	6.5	70,246	199,186	3,006	8,524	4.3
1974	100,140	238,839	4,778	11,396	4.8	97,144	231,693	4,165	9,934	4.3
1975	96,477	210,796	4,141	9,048	4.3	106,102	231,826	4,088	8,932	3.9
1976	121,121	252,947	5,590	11,674	4.6	113,319	236,653	4,695	9,805	4.1
1977	147,976	290,936	6,720	13,212	4.5	117,926	231,855	4,664	9,170	4.0
1978	172,912	315,645	8,028	14,655	4.6	141,126	257,621	4,963	9,060	3.5
1979	205,850	333,754	9,181	14,886	4.5	178,591	289,558	6,854	11,113	3.8
1980	239,943	340,944	8,648	12,288	3.6	216,592	307,763	8,516	12,101	3.9
1981	259,012	337,244	9,042	11,773	3.5	228,961	298,117	7,925	10,319	3.5
1982	242,340	309,226	8,382	10,695	3.5	207,158	264,334	7,151	9,125	3.5
1983	256,680	323,321	10,067	12,681	3.9	195,969	246,847	7,044	8,873	3.6
1984	322,949	397,380	12,235	15,055	3.8	212,056	260,929	7,210	8,872	3.4
1985	343,067	424,180	12,539	15,504	3.7	206,926	255,850	6,699	8,283	3.2
1986	368,251	468,950	13,271	16,900	3.6	206,628	263,131	7,692	9,795	3.7
1987	402,084	499,085	15,268	18,951	3.8	244,417	303,381	9,940	12,338	4.1
1988	437,475	522,187	16,749	19,992	3.8	310,333	370,426	12,782	15,257	4.1
1989	477,400	542,925	19,106	21,728	4.0	362,100	411,800	17,224	19,588	4.8
1990	498,300	546,716	18,806	20,633	3.8	389,300	427,125	18,542	20,344	4.8
1991	491,000	537,782	17,100	18,729	3.5	416,900	456,622	19,500	21,358	4.7
1992	536,500	584,108	18,700	20,359	3.5	440,400	479,480	20,700	22,537	4.7
1993	589,400	632,527	18,874	20,255	3.2	456,800	490,224	16,889	18,125	3.7
1994	668,600	708,583	17,117	18,141	2.6	502,400	532,444	15,320	16,236	3.0
1995	749,600	767,033	19,023	19,465	2.5	575,800	589,191	17,582	17,991	3.1
1996	803,300	802,671	21,264	21,247	2.6	612,000	611,521	18,315	18,301	3.0
1997	877,300	877,300	27,375	27,375	3.1	679,300	679,300	21,386	21,386	3.1
1998	918,800	942,435	28,684	29,422	3.1	670,600	687,850	19,261	19,757	2.9
1999	1,030,400	1,047,642	32,263	32,803	3.1	683,200	694,632	19,483	19,809	2.9
2000	1,224,400	1,177,343	34,300	32,982	2.8	772,000	742,330	21,760	20,924	2.8
2001	1,145,900	1,089,544	32,250	30,664	2.8	718,800	683,449	18,931	18,000	2.6
2002	1,166,900	1,135,747	32,348	31,484	2.8	682,600	664,377	18,739	18,238	2.7
2003	1,260,700	1,164,847	33,644	31,086	2.7	713,400	659,159	19,230	17,768	2.7
2004	1,472,900	1,281,132	42,042	36,568	2.9	807,500	702,365	21,136	18,384	2.6
2005	1,674,300	1,357,311	43,914	35,600	2.6	892,600	723,607	22,728	18,425	2.5
2006	1,875,100	1,451,837	42,860	33,186	2.3	1,039,400	804,778	24,700	19,125	2.4
2007	1,982,800	1,463,304	31,117.2	22,964	1.6	1,164,000	859,031	44,597.1	32,913	3.8
2008	2,137,600	1,438,596	27,960.8	18,818	1.3	1,307,500	879,942	26,082.3	17,553	2.0
2009	1,575,400	1,162,643	19,148.9	14,132	1.2	1,069,500	789,290	22,547.3	16,640	2.1
2010	1,934,600	1,336,518	21,456.0	14,823	1.1	1,288,700	890,298	27,205.0	18,795	2.1
2011	2,235,700	1,419,280	22,120	14,042	1.0	1,497,400	950,588	29,815.3	18,928	2.0

^aU.S. Council of Economic Advisors (42).

^bU.S. International Trade Commission (84); American Forest & Paper Association (3).

^cImports for consumption. Customs value, which is generally defined as the price actually paid or payable for merchandise when sold for exportation to the United States, excluding U.S. import duties, freight, insurance, and other charges.

^dValue (free alongside ship) at U.S. ports of export, based on the transaction price, including inland freight, insurance, and other charges.

^eTimber products as a percentage of all commodities.

^fConverted to 1997 dollars by dividing current dollars by the implicit deflators for gross domestic product for imports and exports.

Table 15—Foreign exchange rates by selected country and year, 1975–2011

										F	Foreign currency units per U.S.	cy units per	U.S. dollar											
	Country	Currency	2012	2011	2010	2009	2008	2007	2006 20	2005 2004	4 2003	2002	2001	2000	1999	1998	1997 1	1996 1995	35 1994	4 1993	1990	1985	1980	1975
North America	rica																							
	Canada	Dollar	0.9995	0.9887	1.0298	1.1412	1.066	1.0734	1.134 1.2	1.2115 1.3017	1.4008	1.5704	1.5487	1.4855	1.4858	1.4836 1.	1.3849 1.3	1.3638 1.3725	25 1.3664	34 1.2902	1.1668	1.3658	1.1693	1.0173
Asia																								
	China, PR	Yuan	6.3093	6.463	9692'9	6.8307	6.9477						8.277	8.2784	8.2781						•	2.9434	Z	Z
	Hong Kong	Dollar	7.7569	7.7841	7.7687	7.7514	7.7862						7.7997	7.7924	7.7594							7.7911	N	N
	India	Rupee	53.37	46.58	45.65	48.33	43.39						47.22	45.00	43.13							12.332	7.8866	8.3854
	Japan	Yen	79.82	79.7	87.78	93.68	103.39						121.57	107.8	113.73							238.47	226.63	296.69
	Malaysia	Ringgit	3.0862	3.0564	3.2175	3.5231	3.3292						3.8000	3.8000	3.8000						•	2.4806	2.1767	2.395
	Singapore	Dollar	1.2492	1.2565	1.3629	1.4543	1.414						1.793	1.7250	1.6951							2.2008	N	N
	South Korea	Won	1126.16	1106.94	1155.74	1274.63	1098.71		_		`		1292.01	1,130.90	1,189.84							861.89	z	z
	Sri Lanka	Rupee	127.539	110.469	112.99	114.909	108.298	110.62	103.94 100	00.383 101.268	68 96.541	95.773	89.602	76.964	70.868	59.026 59	59.026 55	55.289 51.047	47 49.17	7 48.211	1 40.078	27.187	16.167	6.95
	Taiwan	Dollar	29.558	29.382	31.498	33.02	31.521						33.824	31.260	32.322						•	39.889	z	z
	Thailand	Baht	31.055	30.462	31.7	34.31	32.962						44.532	40.210	37.887							27.193	z	z
Africa																								
	South Africa	Rand	8.2014	7.251	7.3161	8.4117	8.248	7.0477 6	6.7668 6.3	6.3606 6.4402	7.5550	10.5176	8.6093	6.9468	6.1191	5.5417 4.	4.6072 4.3	4.3011 3.6284	84 3.5526	26 3.2729	3 2.5885	2.2343	0.778	0.7328
Europe																								
	Austria	Schilling	17.69475554	19.16989186	18.24753383	19.1750	20.263						12.318	12.704	14.659							20.676	12.945	17.401
	Belgium	Franc	51.87307741	56.19751469	53.5731139	56.2137	59.405						36.112	37.242	42.974							59.336	29.237	36.694
	Denmark	Krone	5.7922	5.3535	5.6266	5.3574	5.0885						8.3323	8.0953	0.9900					-		10.598	5.6345	5.7351
	European Union	Euro	1.2859	1.3931	1.3261	1.3935	1.4726						0.8952	0.9232	1.0653							z	N	N
	Finland	Markka	7.645614207	8.282996463	7.884632553	8.2854	8.7557						5.3226	5.4891	6.3340							6.1971	3.7206	3.6651
	France	Franc	9.138136967	8.698645777	9.140760795	9.1408	9.6596						5.8721	6.0558	6.9879							8.9799	4.225	4.2819
	Germany	Deutsche mark	2.515001797	2.724666773	2.593626163	2.7254	2.8802						1.7509	1.8056	2.0835							2.9419	1.8175	2.4553
	Greece	Drachma	N	N	N	N	z	N	N	z z	z	z	N	365.92	306.30	295.7 2	273.28 24	240.82 231.68	.68 242.5	5 229.64	158.59	138.4	z	z
	Ireland	Pound	1.012728548	1.097155408	1.04438862	1.0975	1.1598						0.7050	0.7271	0.8390							106.62	205.77	222.16
	Italy	Lira	2524.568893	2735.031437	2603.492347	2,698.19	2,851.35	.,	.,	~	· ·		1,733.35	1,787.56	2,062.71			_	_	_	_	1,908.90	856.2	652.4
	Netherlands	Guilder	2.833750689	3.069988401	2.922339831	3.0709	3.2452						1.9728	2.0345	2.3476							3.3184	1.9875	2.5232
	Norway	Krone	5.8181	5.6022	6.0451	6.2908	5.6365			•			8.9964	8.8131	7.8017			_				8.5933	4.9381	5.2137
	Portugal	Escudo	257.7998038	279.2914742	265.8591802	279.37	295.23						179.47	185.08	213.57							172.07	50.082	25.454
	Spain	Peseta	213.9557574	231.7923366	220.6444746	231.86	245.02						148.95	153.61	177.25							169.98	71.758	57.393
	Sweden	Krona	6.7721	6.4878	7.2053	7.6539	6.5846			'-			10.3425	9.1735	8.2740							8.6031	4.2309	4.1424
	Switzerland	Franc	0.9377	0.8862	1.0432	1.0860	1.0816			•			1.6891	1.6904	1.5045							2.4551	1.6772	2.5811
	United Kingdom	Pound	1.5853	1.6043	1.5452	1.5661	185.45			•			143.96	151.56	161.72							129.74	232.58	222.16
Other																								
	Australia	Dollar	1.0359	1.0332	0.92	0.7927	85.37	83.91	75.35 76	76.27 73.65	65.24	54.37	51.69	58.15	64.54	62.91 7	74.368 78	78.283 74.073	73 73.161	31 67.993	3 78.069	70.026	114	130.77
	New Zealand	Dollar	0.8105	0.792	0.7216	0.6358	71.51				58.22	46.45	42.02	45.68	52.94		_	_				49.752	97.34	121.16
Index																								
	United States	Dollar	73.5	70.88	75.39	77.69	74.42	77.84	82.46 83	83.78 85.37	93	103.09	104.32	98.32	94.07	98.85	96.38 8	87.34 84.25	25 91.32	2 93.18	89.09	143.01	87.39	98.5
allS Fade	mal Reserve System	11.5 Federal Reserve System Board of Governors (80, 81)	(80.81)																					

*U.S. Federal Reserve System, Board of Governors (80, 81).

*by date in U.S. cents.

*Index of weighted-average exchange value of U.S. dollar against the currencies of ten industrial countries.

*Index of weighted-average exchange value of U.S. dollar against the currency except for the countries of the ten countries is the 1972–1976 average world trade of that country divided by the average world trade of all ten countries combined. Series revised as of August 1978.

*Data prior to 1989 was reported using the G-10 index. Data for 1989 and later is reported using the major currency scale.

*Not available

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Table 16—Log imports by major species, 1965–2011 (million board feet, log scale)^{a,c}

					Hardwoods	,	
		_			Philippine	Birch	
					mahogany	and	
Year	Total	Softwoods ^b	Total	Mahogany	or lauan	maple	Other
1965	68.1	13.5	54.6	12.8	11.0	6.2	24.6
1966	95.6	42.5	53.1	16.1	2.8	6.3	27.9
1967	77.0	33.9	43.1	10.5	4.6	6.6	21.4
1968	79.0	33.1	45.9	8.5	1.9	6.5	29.0
1969	81.9	41.7	40.2	6.5	3.1	7.6	23.0
1970	144.4	106.5	37.9	6.8	0.7	8.2	22.2
1971	84.0	55.7	28.3	3.3	0.2	8.7	16.1
1972	39.3	11.3	28.0	3.6	0.7	7.9	15.8
1973	33.5	8.5	25.0	2.1	3.2	9.2	10.5
1974	76.6	45.6	31.0	3.4	0.9	12.3	14.4
1975	85.5	68.5	17.0	1.6	0.3	7.2	7.9
1976	81.6	67.4	14.2	1.2	0.6	8.7	3.7
1977	154.5	139.5	15.0	2.4	0.5	8.9	3.2
1978	96.9	79.1	17.8	1.5	f	9.1	7.2
1979	133.0	118.4	14.6	1.1	0.3	8.4	4.8
1980	127.5	114.1	13.4	1.0	f	7.4	5.0
1981	101.1	87.6	13.5	0.6	f	8.7	4.2
1982	117.1	98.8	18.3	8.0	f	10.2	7.3
1983	165.0	142.5	22.5	0.3	0.3	5.1	16.8
1984	146.9	116.8	30.1	0.5	0.3	4.4	24.9
1985	99.2	70.8	28.4	0.3	0.3	2.9	24.9
1986	78.6	52.1	26.4	1.3	1.6	3.0	20.5
1987	82.5	68.7	13.8	0.3	0.3	3.8	9.4
1988	68.1	55.9	12.2	1.7	f	3.8	6.7
1989	39.3	20.9	18.4	8.0	0.1	6.7	10.8
1990	23.1	12.9	10.2	1.1	f f	3.7	5.4
1991	13.6	7.6	6.0	0.9		2.6	2.5
1992	43.4	36.8	6.6	0.7	0.1	4.4	1.4
1993	93.9	85.7	8.2	1.1	f	3.9	3.2
1994	110.4	94.3	16.0	1.3		6.3	8.4
1995	80.4	54.5	25.9	1.6	0.3	6.6	17.4
1996	115.0	83.6	31.4	1.7	0.3	11.8	17.7
1997	127.6	84.1	43.5	2.3	0.3	8.1	32.8
1998	185.3	146.9	38.4	2.3	0.3	8.7	27.0
1999	294.3	254.3	40.0	2.3	0.3	10.1	27.3
2000	449.6	390.4	59.2	2.3	0.3	9.4	47.2
2001	458.9	399.0	59.9	2.3	0.3	7.6	49.6
2002	536.7	466.0	70.7	2.3	0.3	12.6	55.5
2003	497.4	430.8	66.6	2.3	0.3	5.3	58.7
2004	453.5	388.7	64.8	2.3	0.3	7.3	54.9
2005	704.0	609.4	94.5	2.3	0.3	11.5	80.4
2006	585.4	529.7	55.7	2.3	0.3	9.1	44.1
2007	417.7	387.7	30.0	2.3	0.3	5.0	22.4
2008	219.8	186.9	32.9	2.3	0.3	5.1	25.3
2009	177.5	89.9	87.6	2.3	0.3	5.5	79.5
2010	198.9	98.5	100.4	2.3	0.3	8.4	89.3
2011	187.7	90.7	97.0	2.3	0.3	6.7	87.7

⁸U.S. Department of Commerce, Bureau of the Census (67, 72); U.S. Department of Agriculture, Foreign Agricultural Service (91); U.S. International Trade Commission (83, 84);

American Forest & Paper Association (4).

Data may not add to totals because of rounding.

^bWestern Wood Products Association 1965–1999(86).

^cPrior to 2000, pulpwood logs are not included in logs.

Fewer than 50,000 board feet.

Table 17—Log imports by major region of origin, 1965–2011 (million board feet, log scale)^{a,e}

(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	boulu		Mexico and				
			Central	South			
Year	Total	Canadab	America ^c	America	Africa	Asia	Other ^d
1965	68.1	20.3	3.4	18.0	14.1	11.7	0.6
1966	95.6	49.4	3.7	21.3	17.4	3.6	0.2
1967	77.0	40.6	3.0	18.3	9.7	4.9	0.5
1968	79.0	39.9	3.1	26.8	6.8	2.1	0.3
1969	81.9	49.5	2.1	18.3	8.3	3.5	0.2
1970	144.4	114.9	2.3	17.6	8.3	1.0	0.3 f
1971	84.0	64.6	2.2	13.1	3.2	0.9	
1972	39.3	17.3	2.6	13.9	3.8	1.4	0.3
1973	33.5	17.8	3.0 z	2.9	4.8	4.8	0.2
1974	76.6	57.0		1.3 z	4.0	9.1	5.2
1975	85.5	80.3	0.3		1.4	0.1	3.4
1976	81.6	78.0	Z	Z	1.3	0.7	1.6
1977	154.5	150.5	Z	Z	2.5	0.6	0.9
1978	96.9	85.9	0.4	5.5	4.1	0.5	0.5
1979	133.0	111.2	0.2	17.4	1.5	1.1	1.6
1980	127.5	121.4	0.2	f	1.3	0.2	4.4
1981	101.1	94.4	0.4	f	0.7	0.6	5.0
1982	117.1	115.4	0.2	0.1	0.9	0.4	0.1
1983	165.0	161.5	1.0	0.1	0.3	1.7	0.4
1984	146.9	143.1	0.2	0.1	0.7	1.8	1.0
1985	99.2	81.1	0.1	0.5	3.2	13.9	0.4
1986	78.6	61.1	0.1	0.2	1.2	5.4	10.6
1987	82.5	75.6	0.2	0.2	0.3	2.1	4.1
1988	68.1	62.6	0.4	0.2	1.4	2.6	0.9
1989	39.3	20.0	2.3	0.7	2.1	8.1	6.1
1990	23.1	19.3	0.6	0.5	0.5	1.6	0.6
1991	13.6	9.0	0.4	0.2	0.3	1.1	2.6
1992	43.4	40.7	8.0	0.2	0.6	0.6	0.5
1993	93.9	89.3	f	0.2	0.4	0.6	3.4
1994	110.4	85.0	1.2	0.6	0.6	0.7	22.3
1995	80.4	56.3	1.5	0.6	0.6	0.1	21.3
1996	115.0	94.6	2.1	8.0	0.1	0.1	17.3
1997	127.6	105.7	1.7	1.2	0.1	0.1	18.8
1998	185.3	168.4	0.5	1.2	0.1	0.2	14.9
1999 ^r	294.3	280.3	0.6	1.8	0.3	1.3	9.9
2000	449.6	426.2	0.5	4.6	2.6	0.3	15.4
2001	458.9	445.0	0.7	3.9	0.2	8.0	8.2
2002	536.7	521.4	4.2	3.1	0.2	0.2	7.5
2003	497.4	486.7	0.9	3.8	0.1	0.8	5.2
2004	453.5	446.8	0.5	2.0	0.3	0.5	3.4
2005	704.0	605.0	0.9	3.5	0.2	1.5	92.8
2006	585.4	495.0	0.9	8.6	0.7	0.9	79.3
2007	417.7	380.0	0.7	0.6	1.0	1.3	34.1
2008	219.8	186.0	4.9	0.4	0.2	1.6	26.7
2009	177.5	89.0	0.5	0.2	0.5	0.9	86.5
2010	198.9	90.0	0.4	1.4	0.1	1.4	105.5
2011	187.7	84.0	0.2	0.1	0.1	8.0	102.5

^aU.S. Department of Agriculture, Forest Service (45); U.S. Department of

Agriculture, Foreign Agricultural Service (91); Western Wood Products

Association (86); U.S. International Trade Commission (84).

Data may not add to totals because of rounding.

^bAmerican Forest & Paper Association 1965–1999 (2).

^cIncludes the West Indies.

^dFor the years 1974–1977, all imports with a value of less than \$500 are included in Other.

^ePrior to 2000, pulpwood logs are not included in logs.

^fFewer than 50,000 board feet.

Revised.

^zNot available.

Table 18—Log exports by major species, 1965–2011 (million board feet, Scribner log scale) ^a

14510 11	o Log oxp	70110 Dy 1110	go. opeoico, i.	Softwoods		, COMB	log scale	, Hardwoods	
				Port-Orford-	Western				
Year	Total	Total⁵	Douglas-fir ^c	cedar ^c	hemlock ^c	Other	Total ^b	Walnut ^c	Other
1965	1,195.0	1,113.6	111.3	39.1	d	963.2	81.4	23.6	57.8
1966	1,391.2	1,315.7	130.5	41.2	d	1,144.0	75.5	12.5	63.0
1967	1,972.1	1,875.1	269.5	34.6	d	1,571.0	97.0	16.1	80.9
1968	2,568.1	2,473.2	396.5	38.4	d	2,038.3	94.9	21.8	73.1
1969	2,396.5	2,316.3	380.6	40.7	d	1,895.0	80.2	20.6	59.6
1970	2,740.9	2,672.0	487.0	54.1	1,436.7	694.2	68.9	17.4	51.5
1971	2,288.8	2,229.8	444.5	40.2	1,214.8	530.3	59.0	12.9	46.1
1972	3,141.4	3,047.5	766.5	46.1	1,450.7	784.2	93.9	15.5	78.4
1973	3,366.1	3,252.2	973.0	29.7	1,469.0	780.5	113.9	15.7	98.2
1974	2,642.4	2,523.7	752.7	35.6	1,244.6	490.8	118.7	7.8	110.9
1975	2,666.9	2,600.6	820.4	38.7	1,169.5	572.0	66.3	8.5	57.8
1976	3,250.0	3,155.7	1,022.4	38.4	1,365.7	729.2	94.3	7.4	86.9
1977	3,069.7	2,980.0	1,007.2	20.7	1,306.8	645.3	89.7	7.6	82.1
1978	3,409.2	3,298.4	1,192.2	29.2	1,443.6	633.4	110.8	8.8	102.0
1979	3,897.0	3,768.2	1,351.0	24.6	1,593.7	799.0	128.8	6.8	122.0
1980	3,260.9	3,109.1	1,272.4	14.0	1,183.1	639.6	151.8	9.4	142.4
1981	2,534.2	2,377.1	1,026.9	16.9	867.5	465.8	157.1	7.7	149.5
1982	3,208.1	3,115.0	1,446.5	12.4	1,124.9	531.2	93.2	4.7	88.4
1983	3,502.1	3,390.6	1,616.4	9.5	1,147.5	617.3	111.5	4.6	106.9
1984	3,494.9	3,369.4	1,588.5	13.0	1,120.0	647.9	125.6	5.5	120.0
1985	3,843.2	3,732.0	1,785.5	14.8	1,304.7	626.9	111.2	5.5	105.7
1986	3,655.6	3,516.0	1,625.8	13.4	1,246.3	630.5	139.7	5.6	134.0
1987	4,109.2	3,959.9	1,864.8	12.7	1,385.3	697.1	149.3	6.2	143.1
1988	4,798.1	4,594.4	2,311.2	19.8	1,435.5	827.9	203.7	8.0	195.7
1989	4,706.0	4,492.7	2,064.2	13.8	1,611.8	802.9	213.3	13.7	199.6
1990	4,213.1	3,993.6	1,891.7	11.0	1,193.7	897.1	219.5	13.6	205.9
1991	3,761.0	3,477.7	1,608.7	9.3	1,049.0	810.8	283.3	11.6	271.7
1992	3,278.8	3,054.8	1,402.9	10.3	890.3	751.3	224.0	12.4	211.6
1993	2,876.4	2,639.2	1,186.6	4.2	673.5	774.9	237.1	9.4	227.7
1994	2,683.6	2,419.7	1,174.9	4.1	535.3	705.4	263.8	11.2	252.6
1995	2,820.0	2,552.1	1,128.2	2.3	660.7	760.9	267.9	7.6	260.3
1996	2,635.7	2,382.4	1,214.8	2.3	486.2	679.1	253.3	6.1	247.2
1997	2,398.0	2,078.0	808.3	2.9	419.5	847.3	320.0	6.4	313.6
1998	1,977.8	1,646.2	732.1	0.7	175.1	738.3	331.5	7.3	324.2
1999	2,038.2	1,665.1	672.7	1.1	222.2	769.1	373.1	8.0	365.1
2000	2,638.3	2,065.8	674.1	0.9	186.1	1,204.8	572.5	11.4	561.2
2001	2,519.2	1,921.0	555.3	0.4	155.3	1,210.0	598.2	13.1	585.1
2002	2,428.5	1,744.9	535.0	0.7	121.6	1,087.7	683.6	17.8	665.8
2003	2,224.4	1,636.8	495.6	0.9	123.6	1,016.7	587.6	19.2	568.4
2004	2,286.5	1,597.6	543.3	0.2	91.5	962.6	688.9	22.5	666.4
2005	2,157.3	1,606.9	476.2	0.4	76.8	1,053.5	550.4	24.7	525.6
2006	2,117.5	1,630.7	460.0	0.3	76.5	1,093.9	486.8	28.5	458.4
2007	2,188.8	1,675.5	476.6	0.2	119.5	1,079.2	513.3	41.6	471.6
2008	1,959.0	1,523.6	512.3	0.1	146.6	864.6	435.4	30.0	405.4
2009	2,013.5	1,644.3	664.2	0.0	189.2	790.9	369.2	16.7	352.5
2010	2,541.8	2,073.6	635.1	0.0	371.0	1,067.5	468.2	28.0	440.2
2011	3,030.7	2,622.0	1,035.3	0.0	517.8	1,068.8	408.7	30.4	378.2

^aPrior to 2000, pulpwood logs are not included in logs.

^bAmerican Forest and Paper Association 1965–1999 (4); U.S. International Trade Commission 2000–present (81).

^cU.S. International Trade Commission (84).

^dWestern hemlock is included in Other.

Data may not add to totals because of rounding.

Table 19—Log exports by major region of destination, 1965–2012 (million board feet, Scribner log scale) $^{\rm a,c}$

			European		South		
Year	Total	Canada	Union ^b	Japan	Korea	China	Other
						d	
1965	1,195.0	355.1	29.4	804.4	2.8	d	3.3
1966	1,391.2	266.1	17.2	1,081.4	25.2	d	1.3
1967	1,972.1	335.5	20.5	1,585.5	29.9	d	0.7
1968	2,568.1	341.8	28.7	2,119.2	75.1	d	3.3
1969	2,396.5	324.6	29.6	2,007.3	32.2	d	2.8
1970	2,740.9	291.8	23.1	2,366.1	48.2	d	11.7
1971	2,288.8	339.9	20.5	1,847.1	73.9		7.4
1972	3,141.4	519.1	31.9	2,528.0	53.8	d	8.6
1973	3,366.1	417.8	41.5	2,779.5	113.7	d	13.6
1974	2,642.4	332.3	39.1	2,114.2	149.2	d	7.6
1975	2,666.9	277.6	35.3	2,256.4	86.4	d	11.2
1976	3,250.0	362.5	48.6	2,675.1	150.5	d	13.3
1977	3,069.7	350.0	46.0	2,460.1	203.3	d	10.3
1978	3,409.2	368.5	57.5	2,646.1	321.8	d	15.3
1979	3,897.0	407.6	65.4	3,149.1	258.9	d	16.0
1980	3,260.9	317.8	90.4	2,544.2	201.7	87.8	19.0
1981	2,534.2	247.4	56.1	1,774.2	151.6	222.4	82.5
1982	3,208.1	302.5	47.8	1,978.7	277.7	547.0	54.4
1983	3,502.1	347.1	57.4	2,028.0	320.9	723.2	25.6
1984	3,494.9	421.2	52.6	1,759.8	289.1	866.6	105.7
1985	3,843.2	445.4	39.1	1,899.1	327.5	1069.0	63.1
1986	3,655.6	450.0	76.7	2,089.4	364.5	615.4	59.6
1987	4,109.2	421.4	62.6	2,397.2	492.5	579.3	156.3
1988	4,798.1	378.9	78.8	2,415.6	612.0	1121.4	191.4
1989	4,706.0	272.7	93.6	2,992.7	761.5	454.3	131.2
1990	4,213.1	395.8	69.2	2,626.2	619.2	361.9	140.8
1991	3,761.0	423.6	53.4	2,126.8	624.7	371.8	160.8
1992	3,278.8	415.0	44.2	2,043.0	416.6	236.9	123.1
1993	2,876.4	389.9	41.1	1,881.9	303.1	131.3	129.1
1994	2,683.6	435.1	56.8	1,821.6	206.1	75.0	89.0
1995	2,820.0	715.7	47.5	1,728.3	235.2	20.2	73.1
1996	2,635.7	518.0	32.1	1,807.5	200.3	15.9	61.9
1997	2,398.0	711.0	42.1	1,347.7	205.6	18.2	73.4
1998	1,977.8	778.5	47.1	1,004.0	61.9	17.8	68.5
1999	2,038.2	787.8	48.2	998.3	130.1	7.8	66.1
2000	2,638.3	1,349.6	117.7	934.1	137.3	21.5	78.2
2001	2,519.2	1,453.9	78.0	745.7	129.6	29.5	82.5
2002	2,428.5	1,362.2	58.1	676.0	136.8	45.0	150.4
2003	2,224.4	1,194.6	75.5	649.7	168.7	40.0	95.8
2004	2,286.5	1,110.3	72.6	642.2	157.2	74.4	229.8
2005	2,157.3	1,168.0	66.8	573.5	174.6	93.8	80.5
2006	2,117.5	1,100.9	73.9	559.6	207.9	104.3	71.0
2007	2,188.8	944.8	118.5	566.7	273.4	149.7	135.7
2008	1,959.0	671.0	117.8	658.1	344.2	168.5	- 0.8
2009	2,013.5	875.8	76.5	435.0	298.1	270.4	57.7
2010	2,541.8	835.4	81.0	424.7	290.0	780.1	130.7
2011	3,030.7	718.7	73.6	457.7	283.4	1383.9	113.5

^aU.S. International Trade Commission (84). Data may not add to totals because of rounding.

^bEuropean Union includes Austria, Belguim–Luxembourg, Denmark, Finland, France,

Germany, Greece, Ireland, Italy, the Netherlands, Portugal, Spain, Sweden, and UK.

^cPrior to 2000, pulpwood logs are not included in logs.

^d Fewer than 50,000 board feet.

Table 20—Average stumpage prices for sawtimber sold from National Forests, by selected species, 1965–2012 (dollars per thousand board feet)

					woods				iz (uoliais pei		Hardy	voods		
	Dougl	las-fir ^b	Southe	rn pine ^c	Pondero	sa pine ^d	Western	hemlock ^e	All eastern	hardwoods ^f	Oak white, r	ed, and black	Sugar	maple ^g
	Current	1997	Current	1997	Current	1997	Current	1997	Current	1997	Current	1997	Current	1997
Year	dollars	dollars	dollars	dollars	dollars	dollars	dollars	dollars	dollars	dollars	dollars	dollars	dollars	dollars
1965	42.6	131.9	31.7	98.1	19.8	61.3	19.1	59.1	25.0	77.4	21.3	65.9	z	z
1966	50.0	150.2	38.6	115.9	19.8	59.5	20.5	61.6	29.3	88.0	23.2	69.7	z	z
1967	41.7	124.9	38.3	114.7	22.2	66.5	21.8	65.3	27.0	80.8	16.8	50.3	z	z
1968	61.2	178.9	42.2	123.4	30.2	88.3	35.6	104.1	23.6	69.0	17.3	50.6	z	z
1969	82.2	230.9	51.7	145.2	71.0	199.4	45.1	126.7	30.2	84.8	28.2	79.2	z	z
1970	41.9	113.6	44.1	119.5	32.1	87.0	20.5	55.6	26.9	72.9	26.6	72.1	z	z
1971	49.0	128.6	52.2	137.0	37.6	98.7	20.6	54.1	24.6	64.6	21.2	55.6	z	z
1972	71.7	180.2	65.6	164.8	65.8	165.3	49.0	123.1	34.3	86.2	26.6	66.8	z	z
1973	138.1	306.9	93.4	207.6	92.3	205.1	99.2	220.4	46.0	102.2	43.6	96.9	93.6	208.0
1974	202.4	378.3	76.2	142.4	100.6	188.0	110.8	207.1	45.9	85.8	54.7	102.2	75.9	141.9
1975	169.5	290.2	57.0	97.6	71.2	121.9	68.8	117.8	33.9	58.0	29.7	50.9	42.1	72.1
1976	176.2	288.4	87.0	142.4	101.8	166.6	79.7	130.4	34.9	57.1	43.4	71.0	27.7	45.3
1977	225.9	348.1	100.3	154.5	131.4	202.5	89.3	137.6	37.9	58.4	60.0	92.4	47.4	73.0
1978	250.3	358.1	134.5	192.4	164.7	235.6	113.6	162.5	41.1	58.8	59.2	84.7	60.5	86.6
1979	394.4	501.1	155.2	197.2	239.0	303.7	200.8	255.1	46.8	59.5	68.8	87.4	68.9	87.5
1980	432.2	481.3	155.4	173.1	206.1	229.5	212.7	236.9	52.4	58.4	65.6	73.1	70.1	78.1
1981	350.2	357.3	172.0	175.5	195.2	199.2	163.4	166.7	50.9	51.9	63.2	64.5	67.8	69.2
1982	118.2	118.2	127.2	127.2	66.9	66.9	44.5	44.5	56.4	56.4	70.8	70.8	71.1	71.1
1983	161.6	159.5	140.6	138.8	104.0	102.7	62.2	61.4	60.1	59.3	87.9	86.8	55.1	54.4
1984	132.9	128.2	139.4	134.4	122.7	118.3	61.8	59.6	90.1	86.9	145.0	139.8	80.5	77.6
1985	126.2	122.3	90.7	87.9	101.4	98.3	50.5	48.9	65.4	63.4	94.5	91.6	70.0	67.8
1986	160.7	160.4	103.6	103.4	156.6	156.3	74.7	74.6	69.9	69.8	108.1	107.9	66.2	66.1
1987	190.2	185.0	135.7	132.0	209.3	203.6	105.4	102.5	88.1	85.7	146.8	142.8	80.5	78.3
1988 1989	256.0 389.8	239.5 347.4	141.9 313.4	132.7 279.3	182.1 292.0	170.3 260.2	162.9 223.3	152.4 199.0	151.3 135.8	141.5 121.0	146.3 178.9	136.9 159.4	108.4 128.6	101.4 114.6
1990	466.4	401.0	126.7	108.9	252.0	216.9	203.0	174.5	146.1	125.6	188.3	161.9	135.3	116.3
1991	395.0	339.1	166.1	142.6	237.6	203.9	164.1	140.9	160.1	137.4	163.6	140.4	120.7	103.6
1992	477.2	407.2	198.4	169.3	292.3	249.4	164.6	140.4	166.6	142.2	211.2	180.2	144.6	123.4
1993	317.8	267.3	217.2	182.7	535.2	450.1	363.7	305.9	264.1	222.1	194.6	163.7	219.5	184.6
1994	652.4	541.9	265.9	220.8	291.4	242.0	334.8	278.1	352.1	292.4	317.4	263.6	313.4	260.3
1995	453.5	363.7	248.5	199.3	149.9	120.2	297.1	238.3	313.9	251.7	296.6	237.8	285.6	229.0
1996	453.0	354.8	251.1	196.6	270.0	211.4	289.3	226.5	312.6	244.8	264.4	207.1	213.2	167.0
1997	331.4	259.7	307.3	240.8	270.2	211.8	211.3	165.6	286.9	224.8	264.5	207.3	357.1	279.9
1998	254.2	204.4	287.8	231.4	204.9	164.7	161.4	129.8	240.9	193.6	270.2	217.2	394.8	317.4
1999	314.7	250.7	268.5	214.0	181.0	144.2	95.7	76.2	195.1	155.5	317.4	252.9	448.1	357.0
2000	433.4	326.6	258.1	194.5	154.6	116.5	46.1	34.8	368.6	277.8	265.6	200.2	445.8	335.9
2001	255.4	190.3	153.5	114.4	115.5	86.0	34.0	25.3	530.5	395.3	326.4	243.2	587.2	437.6
2002	184.8	141.0	166.4	126.9	117.8	89.8	73.2	55.8	382.0	291.4	273.8	208.8	485.0	369.9
2003	193.2	139.9	163.6	118.5	111.2	80.5	86.0	62.3	284.8	206.3	303.7	219.9	560.2	405.6
2004	93.1	63.5	183.0	124.7	65.4	44.6	63.2	43.1	427.2	291.2	291.2	198.5	618.0	421.3
2005	320.5 z	203.6 z	192.8	122.5	103.3	65.7	70.1	44.5	415.1	263.7	329.2	209.2	648.0	411.7
2006	z	z	112.5	68.2	39.2	23.8	101.1	61.3	275.3	167.1	180.3	109.4	533.3	323.6
2007			176.4	102.0	60.9	35.2	26.3	15.2	276.6	160.0	220.4	127.4	361.6	209.1
2008	z	z	152.7	80.5	33.5	17.7	19.7	10.4	198.3	104.6	156.3	82.4	479.6	253.0
2009	z	z	z	z	z	z	24.0	13.9	171.4	99.1	119.5	69.1	275.0	159.0
2010	Z	z	z	Z	z	Z	65.9	35.7	118.8	64.3	214.3	116.0	432.5	234.2
2011	Z	z	z	Z	z	Z	83.3	41.4	105.3	52.4	370.8	184.5	504.3	250.9
2012	z	z	z	z	z	z	88.7	43.9	94.1	46.5	389.2	192.5	491.7	243.2

^aU.S. Department of Agriculture, Forest Service (46,52,92). Forest Service National Forest prices in this table are for timber sold on a Scribner Decimal C log rule basis, except in the Northeastern states where International 1/4-in. log rule is used. Prices include KV payments and exclude timber sold by land exchanges and from land utilization project lands. Data for the years 1965 to 1983 are statistical high bid prices. Data from 1984 to April 1999 are high bid prices that include specified road costs. After April 1999, it no longer included specific road costs. 1997 dollars derived by dividing the price in current dollars by the Bureau of Labor Statistics producer price index for all commodities (1997 = 100).

^bWestern Washington and western Oregon.

^cSouthern Region.

^dPacific Southwest Region (prior to January 1979 called the California Region); Includes Jeffrey pine.

ePacific Northwest Region.

^fEastern and Southern Regions

gEastern Region.

Table 21—Volume and value of sawtimber stumpage sold from National Forests, by selected species and region, 201f

Species and region ^b	Volume ^c Thousand board feet	Value ^d Thousand dollars	Average price per thousand board feet Dollars	Species and region	Volume Thousand board feet	Value Thousand dollars	Average price per thousand board feet Dollars
SOFTWOODS, WESTERN				Softwoods, Western—C	Con.		
Cedar				Fir—Con.			
Alaska cedar:				True fir:			
Pacific Northwest 6	0	0.0	0.00	Rocky Mountain ²	404	2.7	6.73
Alaska 10	63	631.0	10,015.87	Southwestern 3	640	5.0	7.79
Total	63	631.0	10,015.87	Pacific Southwest 5	0	0.0	0.00
Incense cedar:				Pacific Northwest ⁶	0	0.0	0.00
Pacific Southwest 5	141	4,191.0	29,723.40	Total	1,044	7.7	7.38
Pacific Northwest ⁶	0	0.0	0.00	Hemlock			
Total	141	4,191.0	29,723.40	Mountain hemlock:		0.0	0.00
Port-Orford-cedar:		0.0	0.00	Pacific Southwest 5	0	0.0	0.00
Pacific Southwest 5	0	0.0	0.00	Pacific Northwest ⁶	2,353	208.7	88.70
Pacific Northwest ⁶ Total	0	0.0 0.0	0.00 0.00	Total Western hemlock:	2,353	208.7	0.00
Western redcedar:	U	0.0	0.00	Northern ¹	205	10.0	0.00
Northern ¹	89	12.5	140.64	Pacific Northwest ⁶	11,083	923.0	83.28
Pacific Northwest ⁶	141	28.9	204.96	Alaska 10		6,357.0	1,999.69
Alaska ¹⁰	575	72.2	125.61	Total	3,179 14,467	7,289.9	503.90
Total	805	113.6	141.17	Western larch	14,407	1,209.9	303.90
Douglas-fir	000	110.0	171.17	Northern ¹	579	76,017.0	131,290.16
East side:				Intermountain 4	0	0.0	0.00
Northern ¹	3,837	2,638.0	687.52	Pacific Northwest ⁶	5	428.0	85,600.00
Rocky Mountain ²	1,666	18.1	10.88	Total	584	76,445.0	130,898.97
Southwestern ³	1,885	40.4	21.45	Pine	304	70,445.0	130,090.97
Intermountain 4	8,746	736.0	84.16	Lodgepole pine:			
Pacific Northwest ⁶	28,361	19,710.3	694.98	Northern ¹	18,242	1,964.2	107.67
Total	44,495	23,142.9	520.12	Rocky Mountain ²	3,027	170.4	56.30
West side:	44,490	20, 142.9	320.12	Intermountain 4	5,919	59,185.0	9,999.16
Pacific Southwest 5	6,260	229.6	36.68	Pacific Southwest 5	356	195.3	548.71
Pacific Northwest ⁶	10	18.7	0.00	Pacific Northwest ⁶	10,055	7,203.7	716.43
Total	6,270	248.3	39.60	Total	37,599	68,718.6	1,827.67
Fir	-,			Ponderosa pine ^e :	,	,-	1,0=1101
Grand fir:				Northern 1	966	595.9	616.82
Northern ¹	27,057	2,271.5	83.95	Rocky Mountain ²	80,040	1,501.1	18.75
Intermountain 4	104	8.6	83.18	Southwestern 3	14,784	207.4	14.03
Pacific Northwest 6	5,192	833.2	160.47	Intermountain 4	4,555	377.0	82.77
Total	32,353	3,113.2	96.23	Pacific Southwest 5	3,411	974.4	0.00
Noble fir:				Pacific Northwest 6	13,556	1,230.4	90.77
Pacific Northwest 6	8	8.0	0.00	Total	117,312	4,886.2	41.65
Shasta fir:				Sugar pine:			
Pacific Northwest 6	0	0.0	0.00	Pacific Southwest 5	1,200	60.0	50.00
Subalpine fir:				Pacific Northwest 6	0	0.0	0.00
Northern ¹	4	1.8	443.00	Total	1,200	60.0	50.00
Rocky Mountain 2	5	0.2	33.20	Western white pine:			
Southwestern 3	0	0.0	0.00	Northern 1	81	41.2	508.15
Intermountain 4	2,000	40.0	20.00	Southwestern 3	247	1.3	5.37
Pacific Northwest 6	0	0.0	0.00	Pacific Southwest 5	14	0.1	7.50
Total	2,009	41.9	20.88	Pacific Northwest 6	0	0.0	0.00
White fir:				Total	342	42.6	124.54
Rocky Mountain 2	0	0.0	0.00	Pine not specified			
Intermountain 4	0	0.0	0.00	by species:			
Pacific Northwest ⁶	4,689	139.1	29.67	Northern ¹	0	0.0	0.00
Total	4,689	139.1	29.67	Southwestern ³ Total	0	0.0 0.0	0.00 0.00
				Spruce Black, red, and white Alaska ¹⁰	•	2.2	0.00
				Alaska	0	0.0	0.00

Table 21—Volume and value of sawtimber stumpage sold from National Forests, by selected species and region, 2011 a—con. Average Average price per price per Volume c Value d Value thousand Volume thousand Thousand Thousand hoard feet Thousand Thousand board feet Species and region^b board feet dollars Dollars Species and region board feet dollars Dollars SOFTWOODS, WESTERN-Con. SOFTWOODS, EASTERN-Con. Spruce-con. Softwoods not specified Engelmann spruce: by species: Northern 1 202 3.4 16.87 Southern 8 725 38.8 53.52 Rocky Mountain 2 11,915 342.1 28.71 Eastern 9 317 5,000.0 15,772.87 Southwestern ³ 27 0.6 21.11 Total 1,042 5,038.8 4,835.70 Intermountain 4 163.93 32,533 169,977.2 5,224.72 3.111 510.0 Total, eastern softwoods Pacific Northwest 6 0.0 0.00 Total, softwoods 890,396 231,275.4 259.74 Total 15,255 856 56.12 Sitka spruce: HARDWOODS, WESTERN Pacific Northwest ⁶ 0 0.0 0.00 Alder Alaska 10 925 635.7 687.24 Pacific Northwest 6 426 48.1 112.91 Total 925 635.7 687 24 Aspen Softwoods not specified Rocky Mountain 2 0 0.0 0.00 by species: Southwestern 3 0 0.0 0.00 Northern 1 0 0.0 0.00 Intermountain 4 7.5 16.45 459 Rocky Mountain 2 0 0.0 0.00 Total 459 7.5 16.45 Southwestern ³ 0 0.0 0.00 Hardwoods not specified Intermountain 4 579 5.8 10.00 by species: Rocky Mountain 2 Pacific Southwest 5 0 0.0 0.00 0 0.0 0.00 Pacific Northwest ⁶ Pacific Southwest 5 0 0.0 0.00 0 0.0 0.00 Pacific Northwest 6 Alaska 10 2 0.0 2.00 0 0.0 0.00 Total 0.00 Total 581 0 0.0 5.8 10 Total, western softwoods 857,863 61,298 71.45 885 Total, western hardwoods 55.6 62.88 SOFTWOODS, EASTERN HARDWOODS, EASTERN Cedar Ash Southern 8 15.09 Southern 8 91.80 53 0.8 14 1.3 Eastern ⁹ 8 0.0 0.00 Eastern 5 350 20.3 58.00 Total 61 8.0 13.11 Total 364 21.6 59.29 Cypress Aspen Eastern 9 Southern ⁸ 2,301 0 0.0 0.00 104.5 45.42 Fir Basswood Southern 8 0 4.3 0.00 True fir: Eastern 9 100 830.0 8,300.00 Eastern ⁹ 3 3.4 1,140.00 Hemlock Total 3 7.7 2,573.33 Eastern hemlock: Beech Eastern 9 Southern 8 0 0.3 1,095.83 1,101 21.4 19.44 Eastern 9 1,001 40.3 40.26 Birch Total Paper birch: 1,001 40.6 40.51 Eastern ⁹ 614 38.7 63.03 Eastern white pine: Yellow birch: Southern 8 2,414 858.2 355.50 Fastern ⁹ 272 83.1 305.40 Eastern 9 1,100 150.0 136.36 Cherry Total 3.514 1.008.2 286 90 Black cherry: Jack pine: Southern 8 0 0.0 0.00 Eastern ⁹ Eastern 1,710 244.0 142.69 7.052 6.5 0.92 Red pine: Total 7.052 6.5 0.92 Eastern 9 1,200 2,180.0 1,816.67 Hickory Southern 8 198.18 Red and white eastern pine: 17 3.4 Eastern ⁹ 629 821.0 1,305.25 Maple Southern pine: Red maple: Southern 8 15,627 159,130.0 10,183.02 Southern 8 0 0.0 0.00 Eastern ⁹ 578 40 Eastern 55.3 125.64 773 447 1 440 159.577.1 Total 125.64 Total 16,400 9.730.31 440 55.3 Virginia pine: Sugar maple: Southern 8 1.075 Southern 8 3.293.0 26.6 24.77 17 0.00 Eastern 9 Pine not specified 2,700 139.1 51.52 by species: Total 2,717 3,432.1 1,263.19 Eastern 9 0 0.0 0.00 Maple not specified Spruce by species: Southern 8 Black, red, and white spruce: 0 0.0 0.00 Eastern ⁹ Eastern ⁹ 5,801 210.1 36.21 0 0.0 0.00 Total 0 0.0 0.00

Table 21—Volume and value of sawtimber stumpage sold from National Forests, by selected species and region, 2011^a—con.

			Average price per				Average price per
	Volume ^c	Value ^d	thousand		Volume	Value	thousand
	Thousand	Thousand	board feet		Thousand	Thousand	board feet
Species and region ^b	board feet	dollars	Dollars	Species and region	board feet	dollars	Dollars
HARDWOODS, EASTERN—Con.							
Oak				Poplar			
Chestnut oak:				Yellow poplar:			
Southern ⁸	131	43.7	333.50	Southern ⁸	594	273.2	459.93
Eastern ⁹	261	20.0	76.65	Eastern ⁹	721	71,060.0	98,557.56
Total	392	63.7	162.48	Total	1,315	71,333.2	54,245.78
Red and black oak:				Yellow poplar, basswood			
Southern ⁸	960	140,263.9	146,108.25	and cucumber:			
Eastern ⁹	1,879	526.9	280.43	Southern 8	119	763.4	6,415.04
Total	2,839	140,790.9	49,591.71	Hardwoods not specified			
Scarlet oak:				by species:			
Southern ⁸	155	85.0	548.39	Southern ⁸	13,774	1,123.4	81.56
Eastern ⁹	37	46.4	1,253.51	Eastern ⁹	22,171	2,662.7	120.10
Total	192	131.4	684.27	Total	35,945	3,786.1	105.33
White oak:				Total, eastern hardwoods	57,724	271,721.3	4,707.26
Southern 8	1,182	17.3	14.65	Total, hardwoods	58,871	271,827.5	4,617.38
Eastern 9	1,195	133.9	112.04	Total, softwoods and			
Total	2,377	151.2	63.61	hardwoods	1,182,128	367,245.8	310.66
Oak not specified							
by species:							
Southern ⁸	569	41,730.0	73,339.19				
Eastern 9	6,588	490.0	74.37				
Total	7,157	42,220.0	5,899.11				

^aU.S. Department of Agriculture, Forest Service (52, 92); Data may not add to totals because of rounding: The stumpage prices shown in this table do not necessarily indicate values for any specific tract of public or private timber, and prices received for individual tracts may vary widely because of differences in timber quality, degree of competition timber accessibility, variations in special costs, methods of allocating overhead costs by species, or other factors; Excludes pulpwood and miscellar products and also excludes timber sold by land exchanges.

^bAdministrative regions of the Forest Service.

^cScribner Decimal C log rule except in the Northeastern states timber where international 1/4-in. log rule

 $^{^{\}rm d}$ High bid prices, which include specified road costs KV $_{\rm I}$

^eIncludes small amounts of Jeffrey pine.

^{1-8,9,10}Region area numbers.

Table 22—Average stumpage prices for sawtimber sold from private lands in Louisiana, by selected species, 1965–2012 (dollars per thousand board feet, Doyle log scale)^a

	Southe	ern pine	A	sh	Gu	ms	Oa	iks
	Current	1997	Current	1997	Current	1997	Current	1997
Year	dollars	dollars ^b	dollars	dollars	dollars	dollars	dollars	dollars
		2= 22						
1965	28.40	87.93	22.60	89.08	17.50	68.97	16.20	50.15
1966	34.30	103.00	23.00	88.10	19.50	74.69	17.90	53.75
1967	36.80	110.18	23.30	88.93	19.50	74.43	17.70	52.99
1968	40.70	119.01	25.60	95.37	20.00	74.51	19.00	55.56
1969	50.10	140.73	31.80 28.10	113.79	22.60	80.87	21.50	60.39
1970 1971	46.40	125.75		97.04	21.00	72.52	20.40	55.28 54.50
1971	56.00 66.30	146.98 166.58	26.60 28.50	89.03 91.18	21.90 23.80	73.30 76.15	20.80 23.10	54.59
1972	84.20	187.11	41.50	117.56	32.30	91.50	30.20	58.04 67.11
1973	90.90	169.91	48.20	117.56	36.80	91.50 87.79	35.50	66.36
1974	81.60	139.73	45.70	99.83	35.40	77.33	34.10	58.39
1976	101.10	165.47	45.80	95.63	37.20	77.67	37.30	61.05
1977	119.90	184.75	49.70	97.59	39.70	77.95	40.60	62.56
1978	156.20	223.46	59.40	108.42	46.20	84.32	46.50	66.52
1979	211.50	268.74	74.20	120.11	51.90	84.01	53.40	67.85
1980	189.20	210.69	70.20	99.69	53.10	75.41	55.50	61.80
1981	185.00	188.78	70.20	91.35	52.00	67.66	55.60	56.73
1982	144.60	144.60	71.10	90.67	53.70	68.48	57.50	57.50
1983	160.70	158.64	103.80	130.69	67.30	84.73	71.60	70.68
1984	158.80	153.13	109.00	133.98	68.00	83.58	72.70	70.11
1985	118.20	114.53	88.30	109.03	57.30	70.75	62.50	60.56
1986	112.30	112.08	87.90	111.84	53.70	68.32	64.70	64.57
1987	147.30	143.29	z	z	59.30	73.55	79.00	76.85
1988	161.00	150.61	134.20	160.07	62.10	74.07	101.20	94.67
1989	169.10	150.71	133.80	152.09	65.30	74.23	98.30	87.61
1990	182.60	157.01	141.10	154.73	81.90	89.81	106.50	91.57
1991	194.30	166.78	123.60	135.27	67.60	73.98	89.00	76.39
1992	222.60	189.93	289.30	314.71	78.10	84.96	136.90	116.81
1993	273.30	229.86	z	z	z	z	153.00	128.68
1994	330.50	274.50	z	z	z	z	205.00	170.27
1995	389.56	312.40	z	z	z	z	252.75	202.69
1996	344.57	269.83	z	z	z	z	203.00	158.97
1997	412.39	323.19	z	z	z	z	289.75	227.08
			z	z	z	z		
1998	406.76	326.98	z	z	z	z	276.50	222.27
1999	368.70	293.78					285.00	227.09
2000	392.35	295.67	Z	Z	Z	Z	270.00	203.47
2001	351.12	261.64	Z	Z	z	Z	321.00	239.20
2002	368.41	281.01	z	z	Z	Z	290.00	221.21
2003	348.46	252.32	z	z	z	z	319.00	230.99
2004	372.40	253.85	z	z	z	z	306.00	208.59
2005	384.37	244.20	z	z	z	z	315.00	200.13
2006	380.38	230.81	z	z	z	z	276.00	167.48
2007	417.62	241.54	z	z	z	z		181.03
			z	z	z	z	313.00	
2008	331.17	174.67	z	z	z	z	230.00	121.31
2009	289.94	167.69	z	z	z	z	207.00	119.72
2010	307.23	166.34					258.00	139.69
2011	259.02	128.86	Z	Z	z	Z	278.00	138.31

^aTimber Mart South (39); Louisiana Department of Agriculture (25).

^bDerived by dividing the price in current dollars by the Bureau of Labor

Statistics producer price index for all commodities (1997 = 100).

^zNot available.

Table 23—Veneer log production, by softwoods and hardwoods, 1965–2012 (million board feet, local log rule)^b

Year All species ^a Softwoods ^c Hardwoods ^c 1965 6,275 5,425 850 1967 6,305 5,610 705 1968 6,880 6,150 730 1969 6,430 5,750 680 1970 6,642 5,863 779 1971 7,215 6,515 700 1972 7,810 7,070 740 1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 <th>naruwoous,</th> <th></th> <th>ion board leet, ic</th> <th>car log rule)</th>	naruwoous,		ion board leet, ic	car log rule)
1966 6,315 5,610 705 1967 6,305 5,610 695 1968 6,880 6,150 730 1969 6,430 5,750 680 1970 6,642 5,863 779 1971 7,215 6,515 700 1972 7,810 7,070 740 1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635		All species ^a	Softwoods ^c	Hardwoods ^c
1967 6,305 5,610 695 1968 6,880 6,150 730 1969 6,430 5,750 680 1970 6,642 5,863 779 1971 7,215 6,515 700 1972 7,810 7,070 740 1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650	1965	6,275	5,425	850
1968 6,880 6,150 730 1969 6,430 5,750 680 1970 6,642 5,863 779 1971 7,215 6,515 700 1972 7,810 7,070 740 1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664	1966	6,315	5,610	705
1969 6,430 5,750 680 1970 6,642 5,863 779 1971 7,215 6,515 700 1972 7,810 7,070 740 1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670	1967	6,305	5,610	695
1970 6,642 5,863 779 1971 7,215 6,515 700 1972 7,810 7,070 740 1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681	1968	6,880	6,150	730
1970 6,642 5,863 779 1971 7,215 6,515 700 1972 7,810 7,070 740 1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990	1969	6,430	5,750	680
1972 7,810 7,070 740 1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992	1970	6,642	5,863	779
1972 7,810 7,070 740 1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992	1971	7,215	6,515	700
1973 7,750 7,090 660 1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,614 8,119 695 1991 8,037 7,276 761 1992 7,876 7,101 775	1972			740
1974 7,560 6,945 615 1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,881 854	1973			660
1975 8,185 7,545 640 1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995	1974			615
1976 8,417 7,795 623 1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,355 6,881 854 1995 7,626 6,700 926 1996	1975			
1977 7,960 7,360 600 1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,355 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997	1976			623
1978 8,150 7,560 590 1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998	1977			600
1979 7,690 7,085 605 1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980	1978			590
1980 7,649 7,040 609 1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2001	1979			605
1981 7,710 7,095 615 1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2001 6,825 5,773 1,052 2002	1980			609
1982 7,504 6,885 619 1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002	1981		•	
1983 7,736 7,110 626 1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 <td></td> <td></td> <td></td> <td></td>				
1984 7,970 7,335 635 1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004	1983			626
1985 8,460 7,810 650 1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005	1984			635
1986 9,062 8,398 664 1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006	1985			650
1987 9,370 8,700 670 1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 <td>1986</td> <td></td> <td></td> <td></td>	1986			
1988 9,261 8,580 681 1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008	1987			670
1989 8,814 8,119 695 1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009	1988			681
1990 8,662 7,942 720 1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010	1989		8,119	695
1991 8,037 7,276 761 1992 7,876 7,101 775 1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1990	8,662	7,942	720
1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1991			761
1993 7,796 6,995 801 1994 7,735 6,881 854 1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1992	7,876	7,101	775
1995 7,626 6,700 926 1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1993	7,796	6,995	801
1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1994	7,735	6,881	854
1996 7,560 6,583 977 1997 7,581 6,601 980 1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1995	7,626	6,700	926
1998 7,671 6,707 964 1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1996	7,560	6,583	977
1999 7,802 6,812 990 2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1997	7,581	6,601	980
2000 7,870 6,855 1,015 2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1998	7,671	6,707	964
2001 6,825 5,773 1,052 2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	1999	7,802	6,812	990
2002 6,596 5,600 997 2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	2000	7,870	6,855	1,015
2003 7,222 6,299 923 2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	2001	6,825	5,773	1,052
2004 7,158 6,272 886 2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	2002	6,596	5,600	997
2005 7,100 6,259 842 2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	2003	7,222	6,299	923
2006 6,825 5,983 842 2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	2004	7,158	6,272	886
2007 6,586 5,871 715 2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	2005		6,259	842
2008 6,081 5,482 599 2009 5,972 5,381 591 2010 4,726 4051 675	2006	6,825	5,983	842
2009 5,972 5,381 591 2010 4,726 4051 675	2007	6,586	5,871	715
2010 4,726 4051 675	2008	6,081	5,482	599
	2009	5,972	5,381	591
2011 4,310 3806 504	2010	4,726	4051	675
	2011	4,310	3806	504

^aU.S. Department of Agriculture, Forest Service (52).

^bData may not add to totals because of rounding.

^cSource: Estimates (20)

Table 24—Pulpwood consumption, production, imports, exports, and the equivalent wood volumes of imports and exports of paper, board, and wood pulp, 1965–2011 (thousand cords)^a

				Col	nsumption in l	I S mille						aper, board	
	U.S. total				Domestic prod							vood equiv	
	consump-				Roundwood			- Net			Net	roou oquii	<u> </u>
Year	tion ^{pc}	Total	Total	Total	Softwoods	Hardwoods	Residuebep	imports	Imports	Exports	imports	Imports	Exports
1965	63,519	54,034	52,884	39,129	28,201	10,928	13,755	1,150	1,305	155	9,485	13,487	4,001
1966	67,429	57,399	56,294	41,809	29,900	11,910	14,484	1,105	1,385	280	10,030	14,367	4,337
1967	67,377	58,419	57,469	41,441	29,967	11,474	16,028	950	1,590	640	8,958	13,789	4,831
1968	69,214	60,969	60,734	43,535	31,690	11,845	17,199	235	1,425	1,190	8,245	13,643	5,398
1969	73,428	64,577	65,257	47,499	34,239	13,260	17,758	-680	980	1,660	8,851	14,956	6,105
1970	73,308	66,732	67,577	49,467	37,212	12,255	18,110	-845	1,120	1,965	6,576	14,310	7,734
1971	74,286	66,601	66,906	46,295	33,533	12,763	20,610	-305	1,225	1,530	7,685	14,375	6,690
1972	75,685	68,068	69,023	45,311	31,784	13,527	23,712	-955	1,020	1,975	7,616	14,263	6,646
1973	80,294	71,421	72,891	46,269	31,496	14,773	26,622	-1,470	1,200	2,670	8,873	15,483	6,610
1974	84,452	75,787	77,957	50,394	34,268	16,126	27,563	-2,170	965	3,135	8,665	17,057	8,392
1975	69,231	63,941	65,821	41,029	29,035	11,993	24,792	-1,880	765	2,645	5,290	12,172	6,882
1976	78,092	71,094	73,249	45,527	31,856	13,671	27,722	-2,155	1,115	3,270	6,998	14,019	7,021
1977	80,486	72,952	74,972	44,538	31,022	13,516	30,434	-2,020	1,350	3,370	7,534	14,548	7,014
1978	84,346	75,073	76,453	46,722	31,778	14,943	29,731	-1,380	1,675	3,055	9,272	16,205	6,933
1979	87,651	78,680	81,065	50,699	35,389	15,310	30,366	-2,385	1,405	3,790	8,971	16,847	7,876
1980	87,055	81,921	84,031	52,107	36,941	15,166	31,925	-2,110	1,590	3,700	5,134	16,256	11,122
1981	86,814	81,003	82,468	51,390	35,685	15,704	31,079	-1,465	1,490	2,955	5,811	15,579	9,768
1982	82,127	76,912	77,862	49,093	33,829	15,264	28,769	-950	1,405	2,355	5,215	14,302	9,087
1983	91,044	84,504	84,829	51,612	33,413	18,199	33,217	-325	1,715	2,040	6,540	16,312	9,772
1984	95,854	86,282	86,377	52,324	33,945	18,379	34,054	-95	1,825	1,920	9,572	18,697	9,125
1985	95,325	85,380	86,600	52,698	33,097	19,602	33,901	-1,220	650	1,870	9,945	19,198	9,253
1986	100,144	91,187	92,502	57,723	35,630	22,094	34,779	-1,315	630	1,945	8,957	19,974	11,017
1987	102,445	93,005	94,590	58,538	37,172	21,367	36,052	-1,585	430	2,015	9,440	20,882	11,442
1988	101,737	93,000	95,030	59,342	37,359	21,984	35,688	-2,030	735	2,765	8,737	20,779	12,042
1989	100,276	92,615	93,831	59,924	37,755	22,169	33,907	-1,216	988	2,204	7,661	20,341	12,679
1990	99,361	92,561	93,936	61,758	39,559	22,199	32,178	-1,376	917	2,293	6,801	19,847	13,046
1991	95,484	91,925	93,246	62,701	40,213	22,488	30,545	-1,321	1,025	2,346	3,559	18,305	14,746
1992	96,146	93,642	95,238	63,489	39,918	23,571	31,749	-1,596	857	2,453	2,504	18,451	15,947
1993	96,089	90,996	92,759	62,122	37,621	24,501	30,637	-1,764	745	2,509	5,094	19,485	14,392
1994	98,142	93,259	95,327	63,698	38,312	25,387	31,629	-2,068	544	2,612	4,883	19,965	15,082
1995 ^r	97,052	93,013	94,999	69,808	41,173	28,635	25,191	-1,986	303	2,290	4,039	20,474	16,435
1996 ^r	90,190	88,246	90,439	66,697	39,641	27,056	23,742	-2,193	334	2,527	1,943	17,979	16,036
1997 ^r	95,247	92,312	95,038	68,354	39,943	28,411	26,684	-2,726	357	3,083	2,935	20,186	17,251
1998 ^r	96,305	90,591	93,371	68,134	40,580	27,554	25,237	-2,780	231	3,011	5,713	20,653	14,939
1999	94,265	86,969	89,908	64,048	37,157	26,890	25,861	-2,940	144	3,084	7,296	21,077	13,780
2000	95,904	87,453	89,888	64,775	37,965	26,810	25,113	-2,435	150	2,585	8,452	22,951	14,499
2001	92,181	83,384	85,240	62,033	36,200	25,833	23,207	-1,856	79	1,935	8,797	22,618	13,821
2002	90,500	82,715	84,030	60,494	34,901	25,593	23,536	-1,315	66	1,381	7,785	22,222	14,437
2003	97,295	85,001	85,375	62,616	37,742	24,874	22,758	-373	189	563	12,294	24,080	11,786
2004	98,954	86,903	87,704	64,014	38,657	25,357	23,690	-801	437	1,238	12,052	24,494	12,443
2005	96,804	86,284	87,088	63,681	37,989	25,692	23,407	-804	411	1,215	10,520	23,522	13,002
2006	95,796	85,883	86,680	62,218	36,530	25,688	24,462	-797	309	1,107	9,913	22,888	12,975
2007	88,733	82,696	84,090	59,866	35,730	24,136	24,224	-1,394	107	1,501	6,036	20,361	14,325
2008	81,289	80,341	82,173	56,012	34,798	21,214	26,160	-1,832	49	1,881	948	17,400	16,451
2009	79,167	79,992	81,391	55,231	33,006	22,225	26,160	-1,399	28	1,427	-826	14,560	15,385
2010	80,059	80,307	81,787	55,627	31,717	23,910	26,160	-1,480	91	1,571	-248	16,140	16,388
2011	73,502	75,260	76,740	55,360	30,972	24,388	21,380	-1,480	91	1,571	-1,759	14,957	16,715

^aAmerican Forest & Paper Association(AF&PA) (3); American Pulpwood Association (10).

^bChips produced from roundwood and byproducts from primary processing plants, such as slabs, edgings, and veneer cores. 'Revised.

^cComes from AF&PA Fiber Consumption Survey (35) for 2005.

^d Howard and others (20).

e Johnson (24).

Table 25—Pulpwood production, by region^a and softwoods and hardwoods, 1965–2011 (million cords)^{bde}

	-	All section	<u>·</u> n		North			South			West	
		Soft-	Hard-		Soft-	Hard-		Soft-	Hard-	-	Soft-	Hard-
Year ^c	Total	woods	woods	Total	woods	woods	Total	woods	woods	Total	woods	woods
1965	52.88	40.10	12.80	9.0	4.1	4.9	31.2	23.8	7.4	12.7	12.2	0.5
1966	56.29	42.10	14.20	10.3	4.4	5.9	33.1	25.4	7.7	12.9	12.3	0.6
1967	57.47	43.60	13.90	10.3	4.5	5.8	33.6	25.9	7.7	13.6	13.2	0.4
1968	60.73	46.60	14.10	9.8	4.3	5.5	36.5	28.3	8.2	14.4	14.0	0.4
1969	65.26	48.80	16.50	10.3	4.1	6.2	40.0	30.2	9.8	15.0	14.5	0.5
1970	67.58	50.70	16.90	11.3	4.6	6.7	41.1	31.4	9.7	15.2	14.7	0.5
1971	66.91	50.30	16.60	10.5	4.0	6.5	41.1	31.5	9.6	15.3	14.8	0.5
1972	69.02	51.00	18.00	10.7	4.0	6.7	42.3	31.7	10.6	16.0	15.3	0.7
1973	72.89	52.70	20.20	12.8	4.6	8.2	43.4	32.1	11.3	16.7	16.0	0.7
1974	77.96	55.80	22.20	13.9	5.1	8.8	46.1	33.6	12.5	18.0	17.1	0.9
1975	65.82	50.10	15.70	10.4	4.2	6.2	40.7	31.7	9.0	14.7	14.2	0.5
1976	73.25	54.10	19.10	12.2	4.8	7.4	44.3	33.2	11.1	16.7	16.1	0.6
1977	74.97	55.70	19.30	12.5	4.9	7.6	45.2	34.2	11.0	17.3	16.6	0.7
1978	76.45	55.30	21.20	13.0	5.2	7.8	47.7	35.0	12.7	15.8	15.1	0.7
1979	81.06	58.30	22.80	14.0	5.5	8.5	50.2	36.7	13.5	16.9	16.1	8.0
1980	84.03	60.60	23.40	14.3	5.7	8.6	50.7	36.9	13.8	19.0	18.0	1.0
1981	82.47	59.60	22.90	13.9	5.6	8.3	51.6	37.7	13.9	17.0	16.3	0.7
1982	77.86	56.30	21.60	13.1	5.9	7.2	50.2	36.6	13.6	14.6	13.8	8.0
1983	84.83	59.90	24.90	14.4	5.6	8.8	53.9	38.5	15.4	16.5	15.8	0.7
1984	86.38	61.10	25.30	14.7	6.0	8.7	54.4	38.7	15.7	17.3	16.4	0.9
1985	86.60	60.60	26.00	14.6	5.8	8.8	56.2	39.9	16.3	15.8	14.9	0.9
1986	92.50	64.00	28.50	15.2	5.7	9.5	59.9	42.0	17.9	17.4	16.3	1.1
1987	94.59	65.60	29.00	15.4	5.8	9.6	61.5	43.2	18.3	17.7	16.6	1.1
1988	95.03	65.70	29.30	14.8	5.4	9.4	61.8	42.9	18.9	18.4	17.4	1.0
1989	93.83	64.30	29.50	14.0	5.1	8.9	62.8	43.3	19.5	17.0	15.9	1.1
1990	93.94	63.10	30.80	14.0	5.0	9.0	65.4	44.6	20.8	14.5	13.5	1.0
1991	93.25	62.40	30.80	14.2	5.2	9.0	66.8	45.8	21.0	12.2	11.4	8.0
1992	95.24	59.80	35.40	13.9	5.0	8.9	70.9	45.0	25.9	10.4	9.8	0.6
1993	92.76	55.70	37.10	15.0	5.6	9.4	71.9	44.8	27.1	5.9	5.3	0.6
1994	95.33	56.10	39.20	15.4	5.6	9.8	74.7	45.8	28.9	5.2	4.7	0.5
1995	95.00	61.09	33.91	15.0	6.7	8.3	72.6	48.1	24.5	7.4	6.3	1.1
1996	90.44	58.67	31.77	14.5	6.6	7.9	69.6	46.7	22.9	6.4	5.4	0.9
1997	95.04	61.45	33.59	15.2	6.8	8.4	74.1	50.0	24.1	5.7	4.6	1.1
1998	93.37	60.30	33.07	14.6	6.3	8.3	72.4	48.9	23.5	6.3	5.1	1.2
1999	89.91	57.71	32.20	13.8	6.0	7.8	70.7	47.5	23.2	5.4	4.3	1.2
2000	89.89	57.84	32.05	14.1	6.1	8.1	70.1	47.2	22.9	5.7	4.6	1.1
2001	85.24	54.38	30.86	13.4	5.8	7.7	67.0	44.8	22.2	4.8	3.8	1.0
2002	84.03	53.68	30.35	13.1	5.5	7.6	66.4	44.8	21.7	4.5	3.5	1.1
2003	85.37	55.63	29.74	13.3	5.4	8.0	67.3	46.5	20.9	4.7	3.8	0.9
2004	87.70	57.43	30.27	14.1	5.5	8.6	68.6	48.0	20.6	5.0	3.8	1.1
2005	87.09	56.98	30.11	14.1	5.5	8.6	68.2	47.7	20.4	4.9	3.8	1.1
2006	86.68	56.87	29.81	16.4	6.6	9.8	64.7	46.0	18.7	5.6	4.2	1.4
2007	84.09	55.89	28.20	13.3	5.2	8.1	65.7	47.4	18.4	5.1	3.4	1.7
2008	82.17	56.11	26.06	11.3	4.2	7.1	67.0	49.2	17.8	3.9	2.7	1.2
2009	81.39	55.08	26.31	14.4	6.2	8.2	61.2	45.5	15.7	5.8	3.4	2.4
2010	81.79	56.41	25.38	12.4	5.9	6.5	63.4	47.0	16.4	6.0	3.5	2.5
2011	76.74	53.37	23.37	11.0	5.1	5.9	62.6	46.9	15.7	5.6	3.3	2.4
							Oregon an					

^aThe West includes Alaska, Arizona, California, Idaho, Montana, Oregon, and Washington.

The South includes Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland,

 $^{{\}it Mississippi}, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia.\\$

The North includes Illinois, Indiana, Iowa, Maine, Michigan, Minnesota, Missouri, New York, Ohio, Pennsylvania, and Wisconsin.

^bAmerican Pulpwood Association (9); data may not add to totals because of rounding.

All numbers were revised; values include chip production.

^cData for the years 1989 to present are domestic receipts at pulp mills.

d Howard and others (20).

e Johnson (24).

Table 26—Pulpwood stumpage prices of Louisiana and northern New Hampshire, 1965–2011 (dollars per cord)

-		Louis	iana ^a		No	orthern Ne	w Hampshir	e ^b
•	Southe	rn Pine	Hardv	voods		and pine ^c	Spruce	
•	Current	1997	Current	1997	Current	1997	Current	1997
Year	dollars	dollars ^d	dollars	dollars	dollars	dollars	dollars	dollars
1965	4.40	17.38	1.60	6.32	1.75	6.91	4.50	17.78
1966	4.55	17.43	1.70	6.51	2.60	9.96	5.25	20.12
1967	4.60	17.57	1.75	6.69	2.10	8.02	5.25	20.06
1968	4.65	17.35	1.85	6.90	2.00	7.46	5.25	19.59
1969	4.65	16.67	1.90	6.81	1.85	6.63	4.50	16.13
1970	4.70	16.25	1.95	6.74	1.75	6.05	4.50	15.56
1971	4.75	15.91	Z	Z	1.75	5.86	4.50	15.07
1972	4.75	15.23	2.10	6.73	2.00	6.41	4.50	14.43
1973	5.20	14.74	2.40	6.81	2.00	5.67	4.50	12.76
1974	6.05	14.43	2.70	6.44	2.65	6.32	5.50	13.12
1975	6.40	13.98	2.80	6.12	2.65	5.79	6.00	13.11
1976	6.70	13.99	2.80	5.85	2.65	5.53	6.50	13.57
1977	7.10	13.96	2.95	5.80	2.65	5.21	6.50	12.78
1978	7.80	14.24	3.15	5.75	2.90	5.29	7.00	12.78
1979	9.30	15.08	3.65	5.92	3.75	6.08	8.00	12.97
1980	10.30	14.64	4.10	5.83	5.00	7.10	8.00	11.37
1981	12.65	16.47	4.30	5.60	5.00	6.51	8.00	10.42
1982	14.30	18.25	4.50	5.74	5.00	6.38	8.00	10.21
1983	14.85	18.71	4.80	6.05	5.00	6.30	8.50	10.71
1984	17.65	21.72	4.35	5.35	5.00	6.15	8.50	10.46
1985	15.20	18.79	4.40	5.44	4.00	4.95	9.00	11.13
1986	12.05	15.35	4.30	5.48	3.75	4.78	9.00	11.46
1987	13.85	17.19	5.35	6.64	3.75	4.65	9.00	11.17
1988	15.95	19.04	5.20	6.21	3.50	4.18	10.00	11.94
1989	18.33	20.85	5.54	6.30	4.00	4.55	11.00	12.51
1990	17.88	19.62	5.45	5.98	6.00	6.58	12.50	13.71
1991	20.80	22.78	8.19	8.97	6.00	6.57	14.00	15.33
1992	23.50	25.59	7.84	8.54	5.75	6.26	11.75	12.79
1993	25.07	26.90	9.77	10.48	6.00	6.44	16.50	17.71
1994	23.51	24.92	10.12	10.73	11.50	12.19	12.00	12.04
1995	24.35	24.92	10.40	10.64	Z	Z	Z	Z
1996	23.84	23.82	12.63	12.62	Z	Z	Z	Z
1997	23.95	23.95	15.05	15.05	Z	Z	Z	Z
1998	29.24	29.99	17.06	17.50	2.95	3.03	2.27	2.33
1999	26.28	26.71	13.75	13.97	2.95	3.00	2.27	2.31
2000	23.33	22.44	10.32	9.92	2.73	2.62	2.50	2.40
2001	21.36	20.31	13.54	12.87	2.73	2.59	2.50	2.38
2002	19.52	19.00	14.94	14.54	2.73	2.65	2.50	2.43
2003	19.10	17.65	16.16	14.93	2.23	2.06	3.64	3.36
2004	18.88	16.42	16.44	14.30	2.64	2.29	4.05	3.52
2005	22.68	18.39	19.69	15.96	2.45	1.99	3.32	2.69
2006	18.50	14.33	14.67	11.36	2.50	1.94	3.13	2.42
2007	27.80	20.52	17.18	12.68	2.65	1.96	3.56	2.63
2008	27.20	18.30	20.25	13.63	4.85	3.26	6.18	4.16
2009	23.51	17.35	18.76	13.85	4.12	2.77	5.48	3.22
2010	25.60	17.69	25.27	17.46	4.42	3.05	7.73	5.34
2011	22.18	14.08	17.20	10.92	3.64	2.31	10.57	6.71

^aLouisiana Department of Agriculture, Office of Marketing (25).

^bNew Hampshire University, Cooperative Extention Service,

and New Hampshire Department of Resources and Economic Development (32).

^cIncludes tamarack.

^dDerived by dividing the price in current dollars by the Bureau of Labor Statistics producers price index for all commodities (1997 = 100).

^zData not available.

Table 27—Pulpwood prices of Louisiana and northern New Hampshire, 1965–2011 (dollars per standard cord, including bark)^a

	Louisiana ^b Southern Pine Hardwoods						Northern New	v Hampshire ^c		
	Southe	ern Pine	Hardwoods		Hemlock an	d pine ^d	Spruce	and fir	Hard	woods
	Current	1997	Current	1997	Current	1997	Current	1997	Current	1997
Year	dollars	dollars ^e	dollars	dollars ^e	dollars	dollars ^e	dollars	dollars ^e	dollars	dollars ^e
1965	4.33	17.11	3.77	14.88	4.65	18.36	5.79	22.89	4.55	17.98
1966	4.55	17.44	4.08	15.64	4.90	18.76	6.07	23.26	4.83	18.50
1967	4.55	17.39	4.10	15.65	5.59	21.34	6.18	23.61	4.83	18.44
1968	4.69	17.50	4.50	16.78	5.39	20.12	6.11	22.80	Z	Z
1969	4.90	17.55	4.80	17.20	5.37	19.23	6.40	22.94	5.21	18.69
1970	4.90	16.93	4.81	16.65	5.38	18.60	6.46	22.32	5.52	19.08
1971	Z	Z	Z	Z	5.38	18.02	6.46	21.62	5.59	18.71
1972	5.31	17.03	5.24	16.80	5.31	17.03	6.55	21.01	6.07	19.46
1973	6.21	17.60	6.07	17.21	5.63	15.96	7.03	19.95	6.48	18.38
1974	7.81	18.62	6.88	16.42	5.86	13.98	8.28	19.74	7.31	17.44
1975	8.07	17.63	7.23	15.79	6.94	15.16	8.41	18.38	7.86	17.18
1976	8.40	17.54	7.20	15.04	8.39	17.51	8.69	18.15	8.73	18.23
1977	8.73	17.17	7.50	14.75	8.97	17.63	10.07	19.80	9.10	17.90
1978	9.53	17.40	7.81	14.25	9.52	17.37	10.76	19.64	9.66	17.63
1979	10.74	17.42	8.84	14.33	10.11	16.39	12.14	19.68	10.21	16.55
1980	11.43	16.25	9.27	13.17	10.11	14.37	12.69	18.03	11.45	16.27
1981	12.19	15.88	9.43	12.28	11.45	14.91	13.52	17.60	12.14	15.80
1982	12.95	16.53	9.72	12.41	11.45	14.61	13.52	17.25	12.14	15.49
1983	13.13	16.54	9.74	12.27	11.45	14.42	13.52	17.03	12.83	16.16
1984	11.79	14.51	z	Z	11.45	14.09	13.52	16.63	13.10	16.12
1985	13.57	16.78	10.34	12.79	11.45	14.16	13.52	16.71	12.83	15.86
1986	13.27	16.90	9.77	12.44	11.45	14.58	13.66	17.39	12.97	16.51
1987	13.97	17.34	12.51	15.53	11.45	14.21	13.66	16.95	12.97	16.09
1988	14.41	17.20	12.92	15.43	11.45	13.67	13.93	16.63	13.10	15.64
1989	15.22	17.31	12.82	14.59	11.45	13.02	13.93	15.84	14.07	16.00
1990	15.35	16.84	13.20	14.49	13.38	14.68	15.66	17.18	14.00	15.36
1991	16.84	18.44	14.45	15.82	13.79	15.11	18.41	20.17	14.00	15.33
1992	17.69	19.25	12.92	14.07	12.97	14.12	18.21	19.82	13.66	14.87
1993	18.25	19.58	14.22	15.26	13.52	14.51	17.93	19.24	13.66	14.65
1994	15.88	16.83	15.24	16.15	18.07	19.15	12.14	12.86	13.93	14.76
1995	18.74	19.18	20.15	20.62	z	Z	z	z	Z	Z
1996	17.26	17.24	15.85	15.84	z	z	z	z	z	z
1997	19.94	19.94	19.36	19.36	z	z	z	z	z	z
1998	20.65	21.19	16.15	16.57	13.73	14.08	7.59	7.78	16.14	16.55
1999	17.82	18.12	14.69	14.93	13.73	13.96	7.59	7.71	16.14	16.41
2000	16.31	15.68	14.22	13.67	13.73	13.20	6.30	6.06	16.14	15.52
2001	16.45	15.64	17.92	17.04	13.73	13.25	7.59	7.21	16.14	15.34
2001	16.73	16.29	18.09	17.61	13.73	13.36	7.59	7.21	16.14	15.71
2002		15.74		17.63	17.70	16.36	9.68	7.36 8.95	9.16	8.46
	17.03		19.08							
2004	17.22	14.97	18.56	16.14	18.24	15.87	9.45	8.22	9.19	7.99
2005	18.64	15.11	20.87	16.92	14.66	11.88	10.07	8.16	8.60	6.97
2006	16.95	13.13	18.60	14.40	18.28	14.15	6.90	5.34	8.83	6.83
2007	19.49	14.39	19.82	14.63	18.55	13.69	7.45	5.50	8.90	6.57
2008	21.99	14.80	22.59	15.21	19.17	12.90	11.21	7.54	8.90	5.99
2009	20.19	14.90	20.20	14.91	18.07	13.33	11.00	8.12	8.62	6.36
2010	21.72	15.00	22.99	15.88	26.41	18.25	4.69	3.24	41.02	28.34
2011	20.06	12.73	20.55	13.05	20.46	12.99	6.41	4.07	45.24	28.72

^aAll numbers reflect the delivered timber price.

^bTimber Mart South (36); Louisiana Department of Agriculture, Office of Marketing (23); f.o.b. car.

^cNew Hampshire University, Cooperative Extention Service, and New Hampshire Department of

Resources and Economic Development (30).

^dIncludes tamarack.

^eDerived by dividing price in current dollars by the Bureau of Labor Statistics producer price index for all commodities (1997 = 100).

^zNot available.

Preliminary.

Table 28—Lumber production, imports, exports, and consumption, by softwoods and hardwoods, 1965-2012^a

•	F	Production			Imports			Exports		C	onsumption		_	.,	
		Soft-	Hard-		Soft-	Hard-		Soft-	Hard-		Soft-	Hard-	Per ca	oita consu	•
Year	Total	woods	woods	Total	woods	woods	Total	woods ^b	woods	Total	woods	woods		Soft-	Hard-
	Billion	Billion	Billion	Billion	Billion	Billion	Billion	Billion	Billion	Billion	Billion	Billion	Total	woods	woods
	board	board	board	board	board	board	board	board	board	board	board	board	Board	Board	Board
4005	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet
1965	38.7	29.3	9.4	5.2	4.9	0.3	0.9	0.8	0.1	43.1	33.4	9.7	222	172	50
1966	38.6	28.8	9.8	5.2	4.8	0.4	1.1	0.9	0.2	42.7	32.7	10.0	217	166	51
1967	37.5	28.2	9.3	5.1	4.8	0.3	1.2	1.0	0.2	41.4	32.0	9.5	208	161	48 45
1968 1969	38.0 37.1	29.3 28.3	8.7 8.7	6.2 6.3	5.8 5.9	0.3	1.1 1.1	1.0 1.0	0.1 0.1	43.1	34.1 33.2	9.0 9.1	215 209	170 164	45 45
1909	35.9	20.5 27.5	8.3	6.1	5.8	0.4 0.3	1.1	1.0	0.1	42.3 40.8	32.2	9.1 8.6	199	157	43
1971	38.5	30.0	8.4	7.6	7.2	0.3	1.1	0.9	0.1	45.0	36.4	8.6	217	175	41
1971	39.5	31.0	8.5	9.4	9.0	0.4	1.4	1.2	0.2	45.0 47.5	38.8	8.7	226	185	42
1973	40.4	31.6	8.8	9.4	9.0	0.4	2.0	1.8	0.2	47.5	38.8	9.1	226	183	43
1973	36.2	27.7	8.4	7.3	6.8	0.5	1.8	1.6	0.2	41.6	32.9	8.7	195	154	41
1975	34.1	26.7	7.3	6.0	5.7	0.4	1.6	1.4	0.2	38.4	31.1	7.4	178	144	34
1975	37.7	29.7	8.0	8.2	8.0	0.3	1.8	1.6	0.2	44.1	36.1	8.1	202	165	37
1977	40.2	31.7	8.5	10.7	10.4	0.3	1.6	1.4	0.2	49.4	40.7	8.6	224	185	39
1978	41.0	32.1	9.0	12.2	11.9	0.4	1.8	1.4	0.4	51.4	42.5	8.9	231	191	40
1979	40.7	31.4	9.3	11.5	11.2	0.4	2.2	1.8	0.4	50.1	40.8	9.3	222	181	41
1980	35.4	26.2	9.2	9.9	9.6	0.3	2.5	2.0	0.5	42.8	33.8	9.0	188	149	39
1981	32.2	24.7	7.5	9.5	9.2	0.3	2.4	1.9	0.5	39.3	32.0	7.3	171	139	32
1982	31.8	23.8	8.0	9.4	9.1	0.2	2.0	1.6	0.4	39.1	31.3	7.8	169	135	34
1983	38.5	29.7	8.8	12.3	12.0	0.3	2.3	1.8	0.5	48.4	39.9	8.5	207	170	36
1984	41.3	31.2	10.1	13.6	13.3	0.3	2.1	1.6	0.5	52.8	42.9	9.9	223	181	42
1985	40.9	31.3	9.6	15.0	14.6	0.4	1.9	1.5	0.4	54.0	44.4	9.6	226	186	40
1986	45.8	35.3	10.5	14.6	14.2	0.3	2.4	1.9	0.5	57.9	47.6	10.3	241	198	43
1987	49.5	38.2	11.3	15.2	14.7	0.5	3.2	2.5	0.7	61.5	50.5	11.0	253	208	45
1988	49.9	38.1	11.7	13.8	13.5	0.3	4.5	3.3	1.2	59.2	48.3	10.9	242	197	44
1989	49.6	37.5	12.1	15.3	14.9	0.3	4.2	3.4	0.9	60.6	49.1	11.5	245	198	47
1990	48.1	35.8	12.3	13.1	12.9	0.2	3.8	2.9	0.9	57.4	45.7	11.7	230	183	47
1991	44.3	33.2	11.2	11.7	11.5	0.2	4.0	3.1	0.9	52.1	41.6	10.4	206	165	41
1992	45.9	34.5	11.4	13.4	13.2	0.3	3.6	2.6	1.0	55.8	45.1	10.7	218	177	42
1993	45.2	32.9	12.2	15.4	15.1	0.3	3.4	2.3	1.0	57.2	45.7	11.5	222	177	45
1994	46.5	34.1	12.4	16.6	16.2	0.4	3.3	2.2	1.1	59.8	48.2	11.6	229	185	45
1995	44.9	32.2	12.6	17.6	17.2	0.4	2.9	1.9	1.1	59.5	47.6	11.9	226	181	45
1996	45.8	33.3	12.5	18.4	18.0	0.4	2.9	1.8	1.1	61.3	49.5	11.8	231	186	44
1997	47.3	34.7	12.7	18.5	18.0	0.5	2.9	1.6	1.2	62.9	51.0	11.9	235	190	44
1998	47.4	34.7	12.7	19.2	18.7	0.5	2.2	1.1	1.1	64.5	52.2	12.2	238	193	45
1999	49.5	36.6	12.9	19.9	19.2	0.7	2.5	1.4	1.2	66.8	54.4	12.4	245	199	45
2000	48.6	36.0	12.6	20.2	19.4	0.8	2.7	1.4	1.3	66.1	54.0	12.1	234	191	43
2001	46.4	34.6	11.8	20.7	20.1	0.6	2.2	1.0	1.2	64.9	53.7	11.3	228	188	40
2002	47.6	35.8	11.8	21.7	21.0	0.7	2.2	1.0	1.2	67.1	55.8	11.3	233	194	39
2003	47.1	36.6	10.5	22.0	21.2	8.0	2.1	1.0	1.2	67.0	56.8	10.1	230	195	35
2004	50.1	39.1	11.1	25.5	24.5	1.0	2.1	8.0	1.3	73.5	62.8	10.8	250	213	37
2005	50.9	39.8	11.2	25.8	24.7	1.1	2.2	0.9	1.3	74.5	63.6	10.9	251	214	37
2006	49.7	38.7	11.0	23.5	22.8	8.0	2.4	0.9	1.4	70.9	60.6	10.3	245	209	36
2007	45.8	35.2	10.6	18.9	18.4	0.5	2.2	1.0	1.2	62.5	52.6	9.9	207	174	33
2008	36.0	29.2	6.8	13.0	12.7	0.4	2.1	1.2	0.9	46.9	40.7	6.2	154	134	20
2009	30.2	23.2	7.0	9.2	8.9	0.4	1.8	1.0	8.0	37.7	31.1	6.6	123	101	21
2010	30.5	24.8	5.7	9.8	9.5	0.3	1.5	1.3	0.2	38.7	32.9	5.8	125	106	19
2011	33.0	26.8	6.2	9.6	9.3	0.3	1.9	1.7	0.2	40.8	34.4	6.4	131	110	20

^aU.S. Department of Commerce, Bureau of the Census (57, 62); American Forest and Paper Association (4); Luppold and Dempsey (26);

Western Wood Products Association (86); U.S International Trade Commission (84).

Data may not add to totals because of rounding; Data's been revised.

U.S. Department of Commerce, Bureau of the Census (56); U.S. Department of Agriculture, Foreign Agricultural Service (91);

U.S. Department of Agriculture, Forest Service (44);

^bIncludes small volumes of mixed species (not classified as softwoods or hardwoods).

^bIncludes small volumes of mixed species (not classified as softwoods or hardwoods).

Table 29—Lumber production, by region^a and softwoods and hardwoods, 1965–2011 (billion board feet) ^b

_	A	All regions			North			South			West ^c	
_		Soft-	Hard-		Soft-	Hard-		Soft-	Hard-		Soft-	Hard-
Year	Total	woods	woods	Total	woods	woods	Total	woods	woods	Total	woods	woods
1965	38.7	29.3	9.4	4.4	1.1	3.3	12.7	6.8	5.9	21.6	21.4	0.2
1966	38.6	28.8	9.8	4.5	1.1	3.4	12.9	6.7	6.2	21.2	21.0	0.2
1967	37.5	28.2	9.3	5.3	1.7	3.6	12.5	6.7	5.8	19.7	19.6	0.1
1968	38.0	29.3	8.7	4.5	1.1	3.4	12.2	7.0	5.2	21.3	21.2	0.1
1969	37.1	28.3	8.7	4.6	1.1	3.5	12.3	7.3	5.0	20.1	19.9	0.2
1970	35.9	27.5	8.3	4.4	1.0	3.4	12.0	7.2	4.8	19.4	19.3	0.1
1971	38.5	30.0	8.4	4.4	1.1	3.3	12.9	7.9	5.0	21.1	21.0	0.1
1972	39.5	31.0	8.5	4.4	1.1	3.3	13.0	8.0	5.0	22.1	21.9	0.2
1973	40.4	31.6	8.8	4.6	1.1	3.5	13.2	8.0	5.2	22.6	22.5	0.1
1974	36.2	27.7	8.4	4.4	1.1	3.3	11.9	7.0	4.9	19.8	19.6	0.2
1975	34.1	26.7	7.3	4.1	1.1	3.0	11.1	7.0	4.1	18.8	18.6	0.2
1976 Rd	37.7	29.7	8.0	6.3	1.8	4.5	16.5	13.4	3.1	14.9	14.5	0.3
1977 Rd	40.2	31.7	8.5	6.7	1.9	4.8	17.6	14.3	3.3	15.9	15.6	0.3
1978 Rd	41.0	32.1	9.0	7.0	1.9	5.1	17.9	14.4	3.5	16.1	15.7	0.4
1979 Rd	40.7	31.4	9.3	7.1	1.9	5.3	17.8	14.1	3.6	15.8	15.4	0.4
1980 Rd	35.4	26.2	9.2	6.8	1.6	5.2	15.4	11.8	3.6	13.2	12.9	0.4
1981 ^d	32.2	24.7	7.5	5.7	1.5	4.3	14.0	11.1	2.9	12.4	12.1	0.3
1982	31.8	23.8	8.0	3.9	1.1	2.8	13.5	8.8	4.7	14.4	14.1	0.3
1983	38.5	29.7	8.8	4.4	1.3	3.1	15.7	10.3	5.4	18.4	18.2	0.2
1984	41.3	31.2	10.1	4.6	1.2	3.4	17.1	10.7	6.4	19.6	19.4	0.2
1985	40.9	31.3	9.6	4.6	1.2	3.4	15.9	10.2	5.7	20.4	20.2	0.2
1986	45.8	35.3	10.5	5.0	1.4	3.6	18.8	11.7	7.1	22.0	21.8	0.2
1987	49.5	38.2	11.3	5.3	1.5	3.8	19.9	12.3	7.6	24.3	24.0	0.3
1988	49.9	38.1	11.7	5.3	1.4	3.9	20.7	12.7	8.0	23.9	23.6	0.3
1989	49.6	37.5	12.1	4.4	1.2	3.2	21.2	12.3	8.9	24.0	23.7	0.3
1990	48.1	35.8	12.3	3.9	1.5	2.4	22.5	12.6	9.9	21.7	21.3	0.4
1991	44.3	33.2	11.2	4.8	1.5	3.3	20.0	12.1	7.9	19.5	19.1	0.4
1992	45.9	34.5	11.4	4.7	1.6	3.1	21.1	13.0	8.1	20.1	19.7	0.4
1993	45.2	32.9	12.2	7.8	1.9	5.9	21.0	15.4	5.6	16.4	16.0	0.4
1994	46.5	34.1	12.4	8.0	1.9	6.1	21.8	16.0	5.8	16.7	16.3	0.4
1995	44.9	32.2	12.6	8.1	1.9	6.1	21.1	15.3	5.8	15.6	15.2	0.4
1996	45.8	33.3	12.5	7.9	2.0	5.9	22.0	15.7	6.3	15.8	15.4	0.4
1997	47.3	34.7	12.7	9.3	2.1	7.2	20.5	15.6	4.9	17.5	17.0	0.5
1998	47.4	34.7	12.7	9.3	2.1	7.3	20.6	15.6	5.0	17.5	17.0	0.5
1999	49.5	36.6	12.9	9.6	2.2	7.4	21.5	16.5	5.0	18.5	17.9	0.5
2000 2001	48.6 46.4	36.0 34.6	12.6 11.8	9.3 8.8	2.2 2.1	7.2 6.7	21.1 20.2	16.2 15.6	4.9 4.6	18.1 17.4	17.6 16.9	0.5 0.5
2001	40.4 47.6	35.8	11.8	8.8	2.1	6.7	20.2	16.1	4.6	18.0	17.6	0.5
2002	47.0 47.1	36.6	10.5	8.2	2.1	6.0	20.7	16.5	4.0	18.4	17.0	0.5
2003	50.1	36.6 39.1	10.5	8.6	2.2	6.3	21.9	17.6	4.1	19.6	17.9	0.4
2004	50.1	39.8	11.1	8.8	2.3	6.4	22.2	17.0	4.3 4.4	19.0	19.2	0.4
2006	49.7	38.7	11.2	8.6	2.3	6.3	21.7	17.9	4.3	19.4	19.0	0.4
2007	45.7 45.8	35.2	10.6	8.2	2.1	6.1	20.0	15.8	4.1	17.7	17.2	0.4
2007	36.0	29.2	6.8	5.6	1.8	3.9	15.8	13.1	2.6	14.6	14.3	0.4
2009	30.2	23.2	7.0	5.4	1.4	4.0	13.2	10.5	2.7	11.7	11.4	0.3
2010	30.5	24.8	5.7	4.7	1.5	3.2	13.4	11.2	2.2	12.4	12.2	0.2
2011	33.0	26.8	6.2	5.2	1.6	3.6	14.5	12.0	2.4	13.4	13.1	0.2

^aThe West includes: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon,

South Dakota, Utah, Washington, and Wyoming. The South includes: Alabama, Arkansas, Florida,

Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia.

The North includes: the remaining 24 states.

^bU.S. Department of Commerce, Bureau of the Census (62); American Forest and Paper Association (4);

Data may not add to totals because of rounding.

^dEstimated based on current percentage by region

^RRevised

Table 30—Lumber production in the U.S., 1965-2011 (million board feet)

	Softwood						Hardwood Luppold and									
										USI	OC ^{c,r}	-			Luppold and	
Year	Howard ^a	89 RPA ^b	USDC ^{c,r}	AF&PA ^{dr}	WWPA ^e	Adams ^f	Final ^g	Howard ^a	89 RPA ^b	Total	West	AF&PA ^d	WWPA ^e	Adams ^f	Dempsey ^{h,r}	Final ^{i,r}
1965	29,295	29,295	29,295	29,240	28,230	28,149	29,295	9,440	9,431	7,467	161	7,655	7,467	9,447	9,279	9,440
1966	28,847	28,847	28,847	z	27,973	27,879	28,847	9,771	9,771	7,737	204	Z	7,737	9,782	9,567	9,771
1967	28,172	28,172	28,172	z	27,069	26,978	28,172	9,311	9,311	7,430	197	z	7,430	9,320	9,114	9,311
1968	29,285	30,224	29,285	z	28,936	28,832	29,285	8,430	8,432	7,188	156	z	7,188	8,795	8,579	8,735
1969	28,342	28,342	28,342	Z	27,900	28,193	28,342	7,844	7,849	7,482	157	z	7,482	8,739	8,570	8,727
1970	27,530	27,297	27,530	z	27,107	27,001	27,530	7,715	7,701	7,138	127	Z	7,138	8,340	8,203	8,330
1971	30,039	30,040	30,039	Z	29,432	29,327	30,039	8,107	8,106	6,949	142	Z	6,949	8,454	8,305	8,447
1972	30,975	30,975	30,975	z	30,873	30,763	30,975	8,245	8,230	6,770	139	z	6,770	8,502	8,355	8,494
1973	31,586	31,586	31,586	z	31,289	31,149	31,586	8,792	8,792	7,009	151	z	7,008	8,802	8,641	8,792
1974	27,704	28,357	27,704	z	27,193	27,059	27,704	8,448	8,448	6,904	189	z	6,904	8,459	8,259	8,448
1975	26,747	26,148	26,747	z	25,711	25,602	26,747	7,304	7,304	5,872	146	z	5,872	7,309	7,158	7,304
1976	30,600	30,274	30,571	29,693	29,693	29,510	29,693	7,977	7,978	6,427	177	7,801	6,417	7,983	7,800	7,977
1977	32,700	32,159	32,661	31,737	31,737	31,496	31,737	8,500	8,500	6,701	184	8,317	6,680	8,506	8,316	8,500
1978	33,500	32,585	33,467	32,057	32,057	31,698	32,057	8,960	8,959	7,031	232	8,728	8,728	8,963	8,728	8,960
1979 1980	33,300 28,200	31,942 26,966	33,255 28,239	31,432 26,246	31,432 26,246	31,044 25,632	31,432 26,246	9,308 9,147	9,305 9,087	7,314 7,115	238 297	9,069 8,860	9,069 8,860	9,313 9,160	9,070 8,860	9,308 9,157
1981	25,400	24,956	25,432	24,676	24,676	24,518	24,676	8,046	8,018	6,252	334	7,147	7,147	7,378	7,146	7,480
1982	23,787	24,098	24,949	23,787	23,787	23,631	23,787	7,946	7,854	5,061	329	7,668	7,668	7,995	7,667	7,996
1983	29,726	29,991	28,926	29,726	29,726	29,547	29,726	8,767	8,822	5,627	211	8,556	8,556	8,768	8,556	8,767
1984	31,174	31,192	30,801	31,174	31,174	30,945	31,174	9,844	9,826	6,264	211	9,865	9,865	10,082	9,879	10,090
1985	31,321	30,853	30,479	31,321	31,321	31,092	31,321	9,537	9,474	5,966	204	8,866	8,866	9,597	9,394	9,597
1986	35,273	34,700	34,815	35,273	35,273	35,003	35,273	10,347	10,311	7,184	249	10,877	10,877	10,819	10,228	10,477
1987	38,325	z	37,410	38,235	38,235	38,039	38,235	11,263	z	7,476	253	11,695	11,695	11,465	11,010	11,263
1988	38,130	z	36,845	38,130	38,130	37,826	38,130	11,741	z	7,731	275	12,170	12,170	12,151	11,466	11,741
1989	37,545	z	36,040	37,545	37,225	37,225	37,545	11,944	z	7,536	313	12,415	12,415	12,236	11,743	12,056
1990	35,791	Z	36,224	35,791	35,459	35,459	35,791	12,021	z	7,242	374	12,660	12,660	12,369	11,947	12,321
1991	33,161	z	33,064	33,161	32,800	32,800	33,161	11,046	z	6,766	363	11,633	11,633	11,383	10,805	11,168
1992	34,526	z	33,704	34,526	34,151	34,151	34,526	11,423	z	7,050	416	11,639	11,639	11,630	11,007	11,423
1993	32,947	z	34,725	32,947	32,517	32,517	32,947	11,732	z	10,631	438	11,914	11,914	12,170	11,781	12,219
1994	34,107	z	35,556	34,107	33,657	33,657	34,107	11,108	z	10,910	445	12,311	12,311	12,311	11,940	12,385
1995	32,233	z	33,043	32,233	31,782	31,782	32,233	11,307	z	10,928	441	12,434	12,434	12,434	12,203	12,644
1996	33,266	Z	34,065	33,266	32,859	32,859	33,266	12,725	z	10,690	449	z	z	12,705	12,039	12,488
1997	34,667	z	35,457	34,667	34,663	34,662	34,667	12,921	z	11,103	468	z	z	z	12,205	12,673
1998	34,677	z	35,896	34,677	34,678	z	34,677	12,729	z	11,367	407	z	z	z	12,322	12,729
1999	36,605	z	38,033	36,605	36,816	z	36,605	12,927	z	12,523	508	z	z	z	12,419	12,927
2000	35,964	z	37,147	35,964	35,965	z	35,964	12,598	z	12,298	518	z	z	z	12,080	12,598
2001	34,581	z	35,479	34,581	34,579	z	34,581	11,834	z	11,109	475	Z	z	z	11,359	11,834
2002	35,830	z	36,329	35,830	36,418	z	35,830	11,750	z	11,122	470	z	z	z	11,280	11,750
2003	36,607	z	36,687	36,607	36,608	z	36,607	10,494	z	10,494	386	z	z	z	10,494	10,494
2004	39,075	z	38,502	39,075	39,112	z	39,075	11,059	z	10,954	391	z	z	z	11,059	11,059
2005	39,770	z	39,770	39,770	40,785	z	39,770	11,158	z	11,158	398	z	z	z	11,158	11,158
2006	38,726	z	37,718	38,726	38,726	z	38,726	11,014	z	11,026	363	z	z	z	11,014	11,014
2007	35,158	z	33,751	35,158	35,158	z	35,158	10,608	z	10,608	445	z	z	z	10,608	10,608
2008	29,177	z	27,363	29,177	29,177	z	29,177	6,787	z	6,496	291	z	z	z	6,496	6,787
2009	23,240	z	21,912	23,240	23,240	z	23,240	6,989	z	5,010	241	z	z	z	5,010	6,989
2010	24,802	z	23,718	24,802	24,802	z	24,802	5,659	z	5,339	320	z	z	z	5,339	5,659
2011	26,754	z	z z	26,754	26,754	z	26,754	6,230	z	z	z	z	z	z	6,230	6,230
-	-0,70-7			20,704	20,104		20,70-7	0,200							0,200	3,200

^aData derived from table 28.

 $^{^{\}mathrm{b}}\text{U.S.}$ Department of Agriculture, Forest Service (49, 54).

^cU.S. Department of Commerce, Bureau of the Census (56, 60).

d1950-1965: National Forest Products Association. 1966. Forest Industry facts 1966. Washington, DC: National Forest Products Association. 31 p.

¹⁹⁸⁶⁻Present: American Forest and Paper Association (4).

^eWestern Wood Products Associaton (86).

fAdams, Darius (1).

⁹Final estimated Forest Service softwood lumber production series: 1950-1975; USDC Bureau of the Census. 1998. 1976-present AF&PA 1998 (7).

^hForest Service (26). Estimated Eastern hardwood lumber production.

Final estimated Forest Service hardwood lumber production series: 1965-1998: Luppold and Dempsey (26) plus USDC Bureau of the Census 1998 - West (62). Hardwood Market Report (93).

¹⁹⁹⁶⁻¹⁹⁹⁹ numbers revised

Table 31—United States lumber imports, by softwoods and hardwoods and country of origin, 1965–2011 (million board feet)^a

·		All spe	ecies			Softwo	ods			Hard	woods	
Year	Total	Canada	Mexico	Other ^b	Total ^c	Canada	Mexico	Other ^b	Total	Canada	Mexico	Other ^b
1965	5,232.4	5,016.6	10.1	205.7	4,898.1	4,855.7	8.1	34.3	334.3	160.9	2.0	171.4
1966	5,200.0	4,920.9	5.2	273.9	4,779.2	4,730.4	3.7	45.1	420.8	190.5	1.5	228.8
1967	5,140.8	4,902.5	5.6	232.7	4,798.1	4,747.1	3.1	47.9	342.7	155.4	2.5	184.8
1968	6,154.2	5,899.2	4.0	251.0	5,809.1	5,750.0	3.2	55.9	345.1	149.2	0.8	195.1
1969	6,300.6	5,963.4	6.6	330.6	5,854.0	5,784.4	5.8	63.8	446.6	179.0	0.8	266.8
1970	6,114.4	5,867.6	7.5	239.3	5,777.7	5,722.5	5.5	49.7	336.7	145.1	2.0	189.6
1971	7,589.4	7,314.5	6.5	268.4	7,231.7	7,172.0	4.9	54.8	357.7	142.5	1.6	213.6
1972	9,433.6	9,029.2	20.5	383.9	8,984.8	8,877.8	18.6	88.4	448.8	151.4	1.9	295.5
1973	9,568.6	8,999.3	20.4	548.9	9,019.9	8,843.9	17.5	158.5	548.7	155.4	2.9	390.4
1974	7,270.8	6,847.3	6.1	417.4	6,821.1	6,732.2	2.4	86.5	449.7	115.1	3.7	330.9
1975	5,975.8	5,738.8	28.5	208.5	5,723.8	5,677.0	0.4	46.4	252.0	61.8	28.1	162.1
1976	8,246.8	7,995.3	1.0	250.5	7,958.5	7,912.6	8.0	45.1	288.3	82.7	0.2	205.4
1977	10,713.3	10,408.0	7.0	298.3	10,369.6	10,327.0	1.2	41.4	343.7	81.0	5.8	256.9
1978	12,214.6	11,879.4	11.9	323.3	11,853.2	11,776.7	11.3	65.2	361.4	102.7	0.6	258.1
1979	11,529.5	11,187.6	4.7	337.2	11,153.3	11,100.9	3.1	49.3	376.2	86.7	1.6	287.9
1980	9,866.1	9,618.7	2.9	244.5	9,572.9	9,546.3	2.5	24.1	293.2	72.4	0.4	220.4
1981	9,523.2	9,285.4	1.8	236.0	9,232.1	9,208.1	1.5	22.5	291.1	77.3	0.3	213.5
1982	9,360.5	9,191.8	6.5	162.2	9,149.5	9,114.9	1.1	33.5	211.0	76.9	5.4	128.7
1983	12,253.5	12,039.6	13.6	200.3	11,993.0	11,962.7	12.0	18.3	260.5	76.9	1.6	182.0
1984	13,632.1	13,342.8	14.6	274.7	13,304.4	13,252.3	11.8	40.3	327.7	90.5	2.8	234.4
1985	14,995.6	14,636.1	12.2	347.3	14,632.0	14,531.7	11.8	88.5	363.6	104.4	0.4	258.8
1986	14,585.1	14,250.0	32.8	302.3	14,238.2	14,142.3	31.9	64.0	346.9	107.7	0.9	238.3
1987	15,191.5	14,763.3	55.1	373.1	14,680.4	14,600.8	54.1	25.5	511.1	162.5	1.0	347.6
1988	13,777.8	12,999.2	72.9	705.7	13,473.0	12,855.2	72.5	545.2	304.8	144.0	0.3	160.5
1989	15,258.4	13,964.2	193.4	1,100.8	14,909.0	13,761.2	193.0	954.8	349.4	202.9	0.4	146.0
1990	13,106.7	11,918.4	360.4	827.8	12,875.0	11,804.7	360.3	710.0	231.7	113.6	0.2	117.8
1991	11,725.2	11,517.6	48.0	159.6	11,515.0	11,410.8	47.8	56.4	210.2	106.8	0.2	103.2
1992	13,449.9	13,207.9	53.3	188.7	13,190.0	13,055.1	53.1	81.9	259.9	152.8	0.2	106.8
1993	15,399.5	15,059.7	51.7	288.1	15,086.0	14,856.2	51.6	178.3	313.5	203.5	0.2	109.8
1994	16,593.3	16,103.5	51.6	438.1	16,224.0	15,871.6	51.4	301.0	369.3	231.9	0.2	137.1
1995	17,556.3	16,989.5	108.8	458.0	17,202.0	16,780.5	106.2	315.3	354.3	209.0	2.7	142.7
1996	18,397.8	17,823.6	120.9	453.3	18,021.0	17,593.2	117.6	310.2	376.8	230.4	3.3	143.1
1997	18,451.2	17,535.7	124.4	791.1	18,000.0	17,235.5	120.0	644.5	451.2	300.2	4.4	146.6
1998	19,234.5	18,227.8	70.1	936.7	18,685.7	17,838.0	66.5	781.2	548.8	389.8	3.5	155.5
1999	19,854.2	18,486.5	58.3	1,309.4	19,178.0	18,021.2	56.9	1,099.9	676.2	465.4	1.4	209.5
2000	20,243.3	18,615.6	31.3	1,596.4	19,448.6	18,104.8	30.5	1,313.4	794.7	510.8	8.0	283.0
2001	20,720.1	18,930.3	27.7	1,762.1	20,074.5	18,503.0	27.2	1,544.3	645.6	427.3	0.5	217.8
2002	21,724.1	19,397.3	19.6	2,307.2	20,985.6	18,922.8	19.2	2,043.7	738.5	474.5	0.4	263.6
2003	21,981.2	19,709.0	15.3	2,256.9	21,187.7	19,257.8	15.0	1,914.9	793.5	451.2	0.3	342.0
2004	25,492.9	21,330.7	20.0	4,142.3	24,498.3	20,844.3	19.2	3,634.8	994.6	486.4	0.7	507.5
2005	25,753.1	21,840.7	16.0	3,896.5	24,678.0	21,367.6	15.0	3,295.4	1,075.1	473.1	1.0	601.0
2006	23,527.3		12.9	3,147.4	22,764.3	20,017.4	11.9	2,735.0	763.1	349.6	1.0	412.4
2007		16,775.4	13.1	2,117.6	18,385.0	16,571.6	12.2	1,801.2	521.0	203.7	0.8	316.4
2008		11,652.8	8.9	1,380.5	12,681.0	11,516.6	7.7	1,156.7	361.2	136.2	1.2	223.8
2009	9,236.3	8,393.0	3.8	839.6	8,855.0	8,303.0	2.3	549.7	381.3	90.0	1.4	289.9
2010	9,768.7	9,150.5	3.0	615.2	9,468.0	9,033.0	2.2	432.8	300.7	117.5	0.8	182.4
2011	9,632.8	8,945.5	2.4	685.0	9,289.0	8,848.0	1.5	439.5	343.8	97.5	0.9	245.5

^aU.S. Department of Agriculture, Foreign Agricultural Service (91); U.S. International Trade Commission (84);

U.S. Department of Commerce, Bureau of the Census (56, 57, 62); Western Wood Products Association (86). Data may not add to totals because of rounding.

^bFor the years 1974 to 1977, all imports with a value of less than \$500 are included in Other.

^cIncludes small volumes of hardwoods.

Table 32—United States lumber exports, by softwoods and hardwoods and country or region of destination, 1965–2011 (cubic meters) ^a

	All species					Softwoods						Hardwoods						
				Central						Central						Central		
				and						and						and		
			European	South					European	South					European	South		
Year	Total	Canada	Union ^b	America ^c	Japan	Other	Total	Canada	Union	America	Japan	Other	Total	Canada	Union	America	Japan	Other
1965	2,169.1	672.8	588.6	2.6	249.5	655.6	1,838.2	434.2	541.1	2.4	243.3	617.1	330.9	238.6	47.4	0.2	6.1	38.5
1966	2,413.3	729.2	590.5	3.1	411.6	679.0	2,048.2	440.1	543.5	2.8	404.3	657.5	365.1	289.1	47.0	0.2	7.3	21.5
1967	2,665.6	797.7	616.0	2.6	627.3	622.1	2,277.9	489.9	568.8	2.6	615.3	601.3	387.7	307.7	47.2	0.0	12.0	20.8
1968	2,741.6	697.1	718.1	2.8	681.1	642.4	2,473.5	496.5	681.8	2.6	672.1	620.4	268.1	200.6	36.3	0.2	9.0	21.9
1969	2,695.6	672.6	656.8	2.6	748.8	614.8	2,416.2	468.0	624.5	2.4	730.7	590.7	279.4	204.6	32.3	0.2	18.2	24.1
1970	2,934.4	637.0	706.3	3.1	905.1	683.0	2,632.6	478.1	665.0	2.6	848.7	638.1	301.8	158.8	41.3	0.5	56.4	44.8
1971	2,580.9	682.7	564.0	2.4	762.5	569.2	2,202.6	486.9	504.6	2.1	678.3	530.8	378.3	195.9	59.5	0.2	84.3	38.5
1972	3,370.8	990.0	675.0	2.4	1,129.7	573.7	2,811.0	684.6	632.2	2.1	961.0	531.0	559.8	305.4	42.7	0.2	168.7	42.7
1973	4,639.5	1,294.2	1,220.1	2.8	1,343.1	779.3	4,136.4	916.9	1,152.4	2.4	1,332.0	732.8	503.2	377.4	67.7	0.5	11.1	46.5
1974	4,166.3	1,232.6	819.9	2.6	1,354.4	756.9	3,696.9	902.0	734.7	2.4	1,346.4	711.5	469.4	330.6	85.2	0.2	8.0	45.3
1975	3,818.7	1,296.6	578.0	3.1	1,219.6	721.5	3,316.7	938.1	516.1	2.6	1,216.1	643.8	502.0	358.5	61.8	0.5	3.5	77.6
1976	4,356.6	1,462.5	836.6	3.3	1,128.1	926.1	3,789.0	1,033.4	746.5	3.1	1,121.2	884.8	567.6	429.0	90.2	0.2	6.8	41.3
1977	3,930.8	1,268.3	794.4	3.5	1,037.5	827.2	3,369.4	862.6	681.1	3.3	1,030.6	791.8	561.4	405.7	113.3	0.2	6.8	35.4
1978	4,108.5	1,530.2	819.9	3.1	970.7	784.7	3,195.2	883.6	607.9	3.1	961.9	738.7	913.3	646.6	211.9	0.0	8.7	46.0
1979	5,160.1	1,537.5	1,076.4	4.7	1,528.3	1,013.1	4,203.9	1,009.1	815.6	4.5	1,511.6	863.1	852.2	528.4	260.8	0.2	16.8	46.0
1980	5,916.0	1,489.9	1,403.5	8.5	1,531.4	1,482.8	4,735.3	916.4	1,012.9	7.6	1,496.0	1,302.5	1,150.5	573.5	390.6	0.9	35.4	150.1
1981	5,614.4	1,720.7	940.0	9.4	1,237.3	1,707.0	4,549.6	1,201.5	553.2	8.5	1,195.3	1,591.1	1,129.3	519.2	386.8	0.9	42.0	180.3
1982	4,838.7	988.6	969.0	7.3	1,481.8	1,391.9	3,858.4	618.1	585.8	6.8	1,441.3	1,206.4	910.7	370.5	383.3	0.5	40.6	115.9
1983	5,473.1	1,567.3	1,082.8	5.4	1,490.6	1,327.0	4,143.2	1,022.4	685.8	4.7	1,404.9	1,025.4	1,213.7	544.9	397.0	0.7	85.7	185.5
1984	5,005.6	1,311.5	814.2	6.4	1,421.7	1,451.9	3,831.7	820.6	500.3	5.0	1,286.2	1,219.6	1,243.2	490.9	313.9	1.4	135.5	301.6
1985	4,344.5	1,017.9	653.7	12.5	1,457.5	1,202.9	3,351.4	709.7	418.4	11.1	1,355.1	857.2	879.6	308.2	235.3	1.4	102.4	232.2
1986	5,715.9	1,203.8	932.9	25.0	2,096.4	1,457.8	4,456.6	852.4	597.8	23.6	1,951.7	1,031.1	1,178.3	351.4	335.1	1.4	144.7	345.7
1987	7,648.8	1,529.3	1,246.3	21.2	2,833.2	2,018.7	5,774.9	1,052.1	730.4	19.1	2,542.2	1,431.1	1,712.9	477.2	515.9	2.1	291.0	426.7
1988	10,260.8	1,778.7	2,102.8	11.8	3,616.5	2,751.1	7,616.9	1,165.6	1,157.6	8.3	3,020.8	2,264.7	2,745.2	613.1	945.2	3.5	595.7	587.6
1989	9,763.0	1,516.8	1,588.5	18.2	3,809.6	2,829.9	7,881.4	1,078.7	936.9	15.8	3,440.4	2,409.6	1,947.6	438.1	651.6	2.4	369.2	486.4
1990	10,890.1	1,552.0	1,618.5	15.8	2,998.0	4,705.8	8,856.8	997.5	972.3	14.2	2,702.4	4,170.4	1,918.2	554.5	646.2	1.7	295.6	420.3
1991	9,157.1	1,332.9	1,778.7	25.3	2,869.1	3,151.1	7,078.9	862.4	1,012.9	24.1	2,563.2	2,616.3	2,078.8	470.5	765.8	1.2	305.9	535.5
1992	8,289.6	1,349.3	1,734.8	21.9	2,626.4	2,557.1	6,058.9	740.5	942.1	19.6	2,368.4	1,988.3	2,196.7	608.8	792.7	2.4	258.0	534.8
1993	7,741.4	1,335.9	1,293.5	11.1	2,786.0	2,314.9	5,407.9	630.2	573.0	8.7	2,509.0	1,686.9	2,274.3	705.7	720.5	2.4	277.0	568.8
1994	7,352.0	1,441.2	1,283.4	17.0	2,493.5	2,116.9	4,904.1	673.9	544.0	15.1	2,261.8	1,409.4	2,368.4	767.3	739.4	1.9	231.7	628.0
1995	6,980.4	1,534.7	1,211.6	13.9	2,308.6	1,911.6	4,418.2	737.5	475.5	11.1	2,057.0	1,137.0	2,495.2	797.2	736.1	2.8	251.6	707.5
1996	6,839.0	1,567.7	1,145.3	17.0	2,268.7	1,840.3	4,221.3	737.0	420.6	12.5	2,031.3	1,020.0	2,571.9	830.7	724.8	4.5	237.4	774.6
1997	6,922.8	1,683.4	1,397.8	37.5	1,880.0	1,924.1	4,034.2	777.1	486.6	33.0	1,633.6	1,103.8	2,888.6	906.2	911.2	4.5	246.4	820.3
1998	5,166.9	1,360.1	1,323.4	36.1	838.9	1,608.4	2,664.8	544.2	488.4	25.5	702.1	904.6	2,502.1	815.9	835.0	10.6	136.7	703.8
1999	6,014.6	1,556.0	1,311.8	26.2	833.6	2,287.0	3,224.9	602.7	505.6	17.1	681.4	1,418.2	2,789.7	953.3	806.2	9.1	152.2	868.8
2000	6,372.0	1,653.8	1,195.3	29.9	767.9	2,725.1	3,304.0	625.8	358.3	25.0	648.6	1,646.3	3,068.0	1,028.0	837.0	4.9	119.3	1,078.8
2001	5,169.1	1,348.2	923.4	12.1	534.8	2,350.6	2,286.4	439.8	203.8	5.7	425.4	1,211.6	2,882.7	908.4	719.6	6.3	109.5	1,139.0
2002	5,158.3	1,380.5	844.2	9.7	365.4	2,558.4	2,280.7	411.5	172.7	5.4	271.9	1,419.2	2,877.5	969.0	671.5	4.3	93.5	1,139.2
2003	4,997.5	1,494.8	820.8	6.7	351.7	2,323.5	2,258.5	475.5	179.2	3.3	263.2	1,337.2	2,739.0	1,019.3	641.5	3.5	88.5	986.2
2004	4,950.6	1,485.2	801.5	17.3	281.4	2,365.1	1,937.6	448.1	127.3	5.1	194.6	1,162.5	3,013.0	1,037.1	674.2	12.3	86.8	1,202.6
2005	5,170.9	1,531.7	815.9	23.6	187.6	2,612.0	2,116.9	535.2	155.2	13.2	116.1	1,297.3	3,054.0	996.6	660.7	10.4	71.5	1,314.7
2006	5,568.0	1,473.8	907.0	20.3	193.1	2,973.9	2,194.8	553.8	183.4	7.2	117.4	1,333.0	3,373.2	919.9	723.6	13.0	75.8	1,640.9
2007	5,175.5	1,414.4	841.2	24.9	200.3	2,694.7	2,343.5	580.2	194.4	16.2	154.5	1,398.3	2,832.0	834.2	646.8	8.8	45.9	1,296.4
2008	5,068.3	1,347.0	547.1	44.4	270.8	2,859.0	2,839.1	650.4	94.5	39.0	237.0	1,818.3	2,229.3	696.6	452.6	5.5	33.8	1,040.8
2009	4,210.2	1,074.8	412.0	57.7	300.8	2,364.9	2,319.9	603.7	58.7	52.4	268.7	1,336.3	1,890.4	471.1	353.3	5.3	32.1	1,028.5
2010	3,630.9	1,465.1	493.8	51.4	421.5	1,199.2	3,178.9	894.7	72.7	46.6	377.7	1,787.2	452.0	570.3	421.1	4.8	43.8	-588.0
2011	4,378.1	1,351.4	463.4	22.0	461.5	2,079.8	3,934.1	787.3	68.6	16.1	409.4	2,652.8	444.0	564.2	394.8	5.9	52.1	-573.0

^{**}Outs. Department of Agriculture, Foreign Agricultural Service (41); Data may not add to totals because of rounding.

**Includes Belgium—Luxembourg, Denmark, France, Germany, Greece, Ireland, Italy, the Netherlands, Portugal, Spain, Trieste, and the United Kingdom.

Includes Mexico.

Table 33—Lumber^a production in Canada, by softwoods and hardwoods and region, 1965–2011 (billion board feet)^b

				Softwoo	ods			Hardwood	S
	•		Brit	ish Colur	nbia ^c	Other		British	Other
Year	All species	Total	Total	Coast	Interior	Canada	Total	Columbia	Canada
1965	10.8	10.3	7.4	3.6	3.8	2.9	0.5	z	0.5
1966	10.6	10.0	7.3	3.7	3.6	2.7	0.6	z	0.6
1967	10.3	9.7	7.1	3.9	3.2	2.6	0.6	Z	0.6
1968	11.4	10.8	7.8	4.1	3.7	3.0	0.6	d	0.6
1969	11.5	11.0	7.7	3.8	3.9	3.3	0.5	d	0.5
1970	11.3	10.8	7.7	3.8	3.9	3.1	0.5	d	0.5
1971	12.8	12.3	9.0	4.2	4.8	3.3	0.5	d	0.5
1972	13.9	13.4	9.5	4.0	5.5	3.9	0.5	d	0.5
1973	15.5	14.9	10.4	4.4	6.0	4.5	0.6	d	0.6
1974	13.6	13.0	8.7	3.4	5.3	4.3	0.6	d	0.6
1975	11.5	11.1	7.4	2.5	4.9	3.7	0.4	d	0.4
1976	15.6	15.1	10.6	4.0	6.6	4.5	0.5	d	0.5
1977	17.6	17.2	12.0	4.5	7.5	5.2	0.4	d	0.4
1978	19.0	18.4	12.5	4.8	7.7	5.9	0.6	d	0.6
1979	19.8	19.3	12.9	4.7	8.2	6.4	0.5	d	0.5
1980	19.0	18.4	11.9	4.2	7.7	6.5	0.6	d	0.6
1981	17.0	16.6	10.4	3.5	6.9	6.2	0.4	d	0.4
1982	15.6	15.2	9.9	3.0	6.9	5.3	0.4	d	0.4
1983	20.5	20.1	13.0	4.1	8.9	7.1	0.4	d	0.4
1984	20.7	20.2	13.1	3.9	9.2	7.1	0.5	d	0.5
1985	22.0	21.6	13.6	3.6	10.0	8.0	0.4	d	0.4
1986	22.4	21.9	13.1	3.7	9.4	8.8	0.5	d	0.5
1987	26.2	25.6	15.9	4.7	11.2	9.7	0.6	d	0.6
1988	25.7	25.1	15.6	4.6	11.0	9.5	0.6	d	0.6
1989	25.0	24.5	15.2	4.1	11.1	9.3	0.5	d	0.5
1990	23.1	22.7	14.2	3.8	10.4	8.5	0.4	d	0.4
1991	21.9	21.5	13.3	3.5	9.8	8.2	0.4	d	0.4
1992	23.6	23.1	14.1	3.5	10.6	9.0	0.5	d	0.5
1993	25.3	24.8	14.4	3.6	10.8	10.4	0.5	d	0.5
1994	26.1	25.6	14.3	3.7	10.6	11.3	0.5	d	0.5
1995	26.0	25.5	13.8	3.5	10.4	11.7	0.5	d	0.5
1996	27.0	26.6	13.8	3.5	10.4	12.7	0.4	d	0.4
1997	27.4	27.1	13.4	3.3	10.0	13.7	0.4	d	0.4
1998	27.5	27.2	12.8	2.7	10.1	14.4	0.4	d	0.4
1999	29.5	29.2	13.5	2.8	10.7	15.7	0.4	d	0.4
2000	29.8	29.4	13.6	2.9	10.8	15.8	0.4	d	0.4
2001	28.2	27.8	12.8	2.2	10.5	15.0	0.4	d	0.4
2002	30.9	29.5	13.7	2.2	11.5	15.8	1.4	d	1.4
2003	29.8	29.4	13.7	2.2	11.6	15.7	0.4	d	0.4
2004	30.3	29.9	13.9	2.2	11.8	16.0	0.4	d	0.4
2005	26.3	25.9	13.1	z	z	12.8	0.4	d	0.4
2006	34.0	33.6	17.4	z	z	16.2	0.4	d	0.4
2007	30.3	29.9	15.5	z	z	14.4	0.4	d	0.4
2008	24.1	23.7	11.9	z	z	11.7	0.4	d	0.4
2009	19.2	18.8	9.7	z	z	9.1	0.4	d	0.4
2010	22.6	22.2	11.5	z	z	10.7	0.4	d	0.4
2011	22.8	22.4	12.3	z	z	10.1	0.4	d	0.4

^aDoes not include sawn ties.

^bNatural Resources Canada (30); Statistics Canada (36,37,38);

Wood Markets (87); Bilateral Trade-Canada (28);

Western Wood Products Association (86).

Data may not add to totals because of rounding.

^cIncludes small volumes of hardwoods.

^dFewer than 50 million board feet.

^zNot available.

Table 34—Lumber and competing engineered wood products production, by type of product, 1970-2012

				Structura	al panels ^a		
				Oriented	Softwood		
	Wood laminated			strandboard	plywood	Lum	ıber ^b
	veneer lumber ^a	Wood glulam ^a	Wood I-Joists ^a	Million	Million	Hardwood	Softwood
	Million	Million	Million	square feet	square feet	Billion	Billion
Year	cubic feet	board feet	linear feet	(3/8-in. basis)	(3/8-in. basis)	board feet	board feet
1970	z	z	z	z	14,340	8.3	27.5
1971	z	z	z	z	16,635	8.4	30.0
1972	z	z	z	z	18,324	8.5	31.0
1973	z	z	z	z	18,305	8.8	31.6
1974	z	z	z	z	15,878	8.4	27.7
1975	z	z	z	z	16,050	7.3	26.7
1976	z	z	z	z	18,440	8.0	29.7
1977	z	z	z	z	19,376	8.5	31.7
1978	z	z	z	z	19,964	9.0	32.1
1979	z	z	z	z	19,653	9.3	31.4
1980	3	204	45	135	16,333	9.2	26.2
1981	4	190	45	271	16,752	7.5	24.7
1982	4	164	54	557	15,846	8.0	23.8
1983	5	192	63	1,341	19,480	8.8	29.7
1984	5	229	72	2,042	19,926	10.1	31.2
1985	7	246	90	2,669	20,169	9.6	31.3
1986	8	330	99	3,513	22,118	10.5	35.3
1987	9	279	108	4,076	22,899	11.3	38.2
1988	11	298	108	4,604	22,599	11.7	38.1
1989	12	322	117	5,105	21,385	12.1	37.5
1990	16	324	122	5,418	20,919	12.3	35.8
1991	16	265	158	5,613	18,652	11.2	33.2
1992	17	258	252	6,653	19,332	11.4	34.5
1993	21	239	358	7,002	19,315	12.2	32.9
1994	23	264	380	7,486	19,638	12.4	34.1
1995	28	282	358	7,903	19,367	12.6	32.2
1996	32	309	444	9,314	19,181	12.5	33.3
1997	38	300	547	10,534	17,963	12.7	34.7
1998	41	287	619	11,227	17,776	12.7	34.7
1999	48	316	733	11,612	17,816	12.9	36.6
2000	48	356	693	11,906	17,475	12.6	36.0
2001	53	335	746	12,532	15,121	11.8	34.6
2002	56	321	756	13,426	15,200	11.8	35.8
2003	68	344	1,075	13,615	14,706	10.5	36.6
2004	86	402	1,282	14,271	14,665	11.1	39.1
2005	91	491	1,263	14,985	14,330	11.2	39.8
2006	80	461	804	14,960	13,428	11.0	38.7
2007	68	358	656	14,763	12,243	10.6	35.2
2008	47	256	424	13,003	10,237	6.8	29.2
2009	30	167	257	9,598	8,608	7.0	23.2
2010	37	176	299	10,299	9,131	5.7	24.8
2011	38	184	293	10,039	8,980	6.2	26.8

^aAPA-The Engineered Wood Association (11,12).

^bU.S. Department of Commerce, Bureau of the Census (62); American Forest and Paper Association (4); Luppold and Dempsey (26).

^zData not available.

Table 35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2011 (1997 = 100)^a

	All	Luml	ber and					Softwoo	od lumber			All ha	rdwood
	com-	wood	products	All li	umber		4 II	Doug	las-fir*	Southe	rn Pine*	lur	nber
Year	modities	Actual	Relative ^b	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative
1965	25.3	18.3	72.5	15.5	61.3	14.0	55.4	15.7	62.1	17.1	67.6	21.3	84.2
1966	26.1	19.1	73.4	16.6	63.5	14.7	56.4	16.5	63.1	18.8	72.0	23.8	91.2
1967	26.2	19.1	72.8	16.6	63.3	15.1	57.7	17.0	65.0	18.8	71.8	21.9	83.6
1968	26.8	21.6	80.7	19.4	72.3	18.2	67.8	20.5	76.3	21.4	79.8	22.8	85.2
1969	27.9	23.9	85.8	21.8	78.0	20.3	72.6	22.5	80.5	23.7	85.0	26.3	94.3
1970	28.9	21.7	75.0	18.8	65.0	17.0	58.9	18.5	63.9	21.5	74.5	25.1	86.8
1971	29.9	24.3	81.5	22.5	75.4	21.3	71.2	23.8	79.8	25.2	84.3	24.8	83.0
1972	31.2	27.6	88.5	26.4	84.6	25.2	80.9	27.4	88.0	28.5	91.3	27.6	88.5
1973	35.3	33.8	95.9	33.9	96.1	32.3	91.5	35.6	101.0	35.3	100.0	37.0	104.8
1974	41.9	35.1	83.7	34.2	81.7	31.8	75.9	36.4	86.8	34.6	82.6	41.5	99.0
1975	45.8	33.8	73.9	31.8	69.5	30.2	65.9	36.0	78.7	33.0	72.0	35.1	76.7
1976	47.9	39.2	82.0	38.6	80.5	37.4	78.0	42.7	89.1	40.8	85.2	38.6	80.6
1977	50.9	45.1	88.8	45.7	89.8	44.8	88.0	49.6	97.5	49.3	96.9	43.8	86.2
1978	54.8	52.7	96.2	53.3	97.2	52.1	95.1	57.8	105.5	57.2	104.5	51.7	94.3
1979	61.7	57.4	93.1	58.5	94.9	57.2	92.7	65.3	105.9	60.9	98.8	56.9	92.3
1980	70.4	55.2	78.4	53.9	76.5	52.0	73.8	60.1	85.4	55.9	79.4	55.1	78.3
1981	76.8	55.9	72.8	53.7	69.9	51.6	67.2	53.0	69.1	54.8	71.4	55.9	72.8
1982	78.4	54.4	69.4	51.4	65.6	48.4	61.8	45.3	57.8	53.7	68.5	57.5	73.3
1983	79.4	58.7	73.9	58.3	73.5	55.7	70.2	61.5	77.5	60.1	75.7	62.1	78.2
1984	81.3	58.8	72.3	57.8	71.1	53.2	65.5	55.8	68.6	60.1	74.0	70.0	86.1
1985	80.9	58.0	71.7	56.3	69.6	52.0	64.3	57.3	70.9	56.5	69.9	67.2	83.1
1986	78.5	58.3	74.3	56.8	72.3	52.5	66.8	56.4	71.8	56.4	71.8	67.9	86.4
1987	80.6	61.3	76.1	60.7	75.3	56.2	69.8	56.6	70.3	61.3	76.1	72.8	90.4
1988	83.8	64.7	77.2	62.7	74.8	58.1	69.4	61.5	73.4	60.4	72.1	75.2	89.8
1989	87.9	68.9	78.4	64.6	73.4	61.5	70.0	68.7	78.1	58.1	66.0	73.6	83.7
1990	91.1	70.6	77.5	64.0	70.3	59.9	65.8	62.7	68.8	59.8	65.6	75.2	82.5
1991	91.3	71.9	78.7	64.2	70.3	60.9	66.7	63.2	69.2	59.7	68.6	73.9	80.9
1992	91.8	79.8	86.8	74.3	80.9	71.9	78.2	76.6	83.4	70.1	76.4	80.7	87.9
1993	93.2	94.7	101.6	94.2	101.1	93.5	100.3	107.6	115.5	90.7	97.3	93.8	100.7
1994	94.4	98.0	103.9	97.0	102.8	95.9	101.7	107.1	113.5	98.0	103.9	96.7	102.5
1995	97.7	96.9	99.2	89.1	91.1	86.5	88.5	90.0	92.1	89.7	91.8	96.0	98.2
1996	100.1	95.9	95.8	92.4	92.3	91.9	91.8	103.8	103.8	95.4	95.4	94.2	94.1
1997	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1998	97.5	97.4	100.0	90.9	93.3	88.4	90.7	84.2	86.4	95.1	97.5	100.0	105.3
1999	98.4	99.9	100.6	95.4	97.0	94.9	96.5	96.1	97.7	99.8	101.5	101.9	103.6
2000	104.0	97.0	93.2	90.6	87.1	86.5	83.2	83.9	80.7	86.5	83.2	101.9	103.0
							78.3		76.7		77.9		99.0
2001 2002	105.2 102.7	94.9 94.3	90.2 91.8	87.0 86.5	82.7 84.1	82.4 82.7	80.5	80.7 80.8	78.7	82.0 78.0	77.9 75.9	104.2 102.4	99.7
2002	102.7	96.5										102.4	
2003			89.2	88.3	81.6	82.7	76.4	80.0	73.9	78.1	72.2		100.2
	115.0	106.4	92.6	103.2	89.7	101.6	88.4	-	-	-	-	114.5	99.6
2005	123.4	106.9	86.7	100.6	81.6	98.6	79.9	-	-	-	-	112.9	91.6
2006	129.2	105.8	81.9	95.6	74.0	91.7	71.0	-	-	-	-	112.2	86.9
2007	135.5	104.7	77.3	88.5	65.3	82.6	60.9	-	-	-	-	110.5	81.6
2008	148.6	104.1	70.0	82.9	55.8	75.7	50.9	-	-	-	-	106.0	71.3
2009	135.5	99.5	73.4	75.7	55.9	68.5	50.5	-	-	-	-	98.4	72.6
2010	144.7	104.8	72.4	84.8	58.6	77.9	53.8	-	-	-	-	107.6	74.3
2011	157.5	105.9	67.3	84.4	53.6	77.7	49.3	-	-	-	-	106.7	67.8
uisco	ntinued se	nes											

Table 35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2011 $(1997 = 100)^a$ —Con.

		and metal ducts		doors, and trim	Flat	glass		crete ducts	-	/ mixed crete
Year	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative
1965	24.3	95.9	20.4	80.5	z	z	23.8	93.8	23.3	92.1
1966	24.9	95.4	20.9	79.9	z	z	24.1	92.4	23.6	90.4
1967	25.2	96.2	21.4	81.6	41.7	159.5	24.7	94.4	24.1	92.1
1968	25.8	96.3	22.2	82.9	43.5	162.3	25.4	94.6	24.8	92.5
1969	27.3	97.9	23.2	83.0	45.7	163.8	26.3	94.4	25.9	92.8
1970	29.4	101.5	24.2	83.5	48.2	166.7	27.7	95.9	27.4	94.6
1971	29.9	100.1	25.1	84.2	51.3	171.9	29.8	99.7	29.6	99.1
1972	31.0	99.5	25.8	82.6	51.1	163.7	31.0	99.5	30.8	98.8
1973	33.4	94.7	26.6	75.5	50.6	143.5	32.5	92.2	32.2	91.2
1974	43.3	103.2	31.5	75.1	53.7	128.2	37.4	89.3	37.0	88.1
1975	46.7	102.0	34.7	75.8	58.0	126.7	42.1	92.1	41.5	90.6
1976	49.3	103.0	36.6	76.5	62.5	130.6	44.5	92.9	44.4	92.7
1977	52.6	103.4	40.3	79.2	67.0	131.8	47.4	93.1	47.4	93.2
1978	57.1	104.3	44.4	81.0	72.0	131.5	52.9	96.5	52.8	96.4
1979	65.3	105.8	49.1	79.5	76.6	124.3	60.3	97.8	60.2	97.6
1980	72.1	102.4	54.5	77.5	81.9	116.4	67.6	96.1	67.9	96.4
1981	75.6	98.4	59.6	77.6	88.6	115.4	71.9	93.6	72.4	94.2
1982	75.9	96.8	62.1	79.2	92.3	117.8	73.5	93.8	73.8	94.1
1983	77.2	97.3	63.8	80.4	95.8	120.6	74.6	93.9	74.7	94.1
1984	79.5	97.9	66.2	81.4	93.6	115.2	764.0	940.1	76.9	94.7
1985	79.2	97.9	66.6	82.4	93.9	116.1	79.0	97.7	79.0	97.7
1986	78.3	99.7	67.6	86.1	96.5	122.9	80.3	102.3	79.4	101.2
1987	81.3	100.9	69.5	86.3	99.0	122.9	80.4	99.8	79.1	98.2
1988	90.1	107.5	76.0	90.7	101.3	120.9	80.9	96.5	79.6	95.0
1989	94.2	107.1	80.7	91.8	101.3	115.2	81.8	93.0	80.6	91.7
1990	93.3	102.3	81.6	89.5	99.3	108.9	83.5	91.6	82.5	90.6
1991	91.2	99.9	83.6	91.5	97.8	107.1	85.7	93.9	84.6	92.7
1992 1993	90.4 90.4	98.5 97.1	83.8	91.2 91.0	98.4	107.2 106.3	86.2 88.4	93.8	85.0	92.5 94.0
1993	90.4 94.7	100.4	84.8	93.4	99.1	108.0	91.5	94.9	87.6	94.0 96.7
1994	94.7 102.1	100.4	88.2 97.2	93. 4 99.4	101.9 104.5	108.0	91.5 95.1	97.0 97.4	91.2 95.1	96.7 97.4
1995	99.4	99.3	98.9	98.8	104.5	107.5	97.9	97. 4 97.9	98.2	98.1
1990	100.0	100.0	100.0	100.0	100.0	101.3	100.0	100.0	100.0	100.0
1998	97.0	99.5	100.0	100.0	99.0	100.5	100.0	105.7	103.1	105.8
1999	94.5	96.1	100.7	102.4	98.2	99.9	105.6	107.4	105.7	107.4
2000	97.2	93.5	100.7	98.6	101.3	97.4	108.6	104.5	108.5	104.4
2001	95.2	90.5	103.7	98.6	103.4	98.3	111.5	106.0	110.9	105.4
2002	95.5	93.0	104.3	101.5	102.7	99.9	112.2	109.2	110.8	107.9
2003	98.0	90.6	105.5	97.5	102.5	94.7	112.9	104.3	111.3	102.8
2004	113.5	98.7	109.1	94.9	100.3	87.2	118.5	103.1	117.1	101.8
2005	122.0	98.9	114.8	93.1	102.5	83.1	130.2	105.6	131.1	106.3
2006	137.8	106.7	119.8	92.7	104.8	81.1	143.4	111.0	146.5	113.5
2007	146.8	108.4	122.5	90.4	105.4	77.8	149.6	110.4	152.9	112.8
2008	161.6	108.8	127.6	85.9	107.0	72.0	154.8	104.2	156.9	105.6
2009	141.7	104.6	129.9	95.9	106.2	78.4	157.3	116.1	160.7	118.6
2010	157.5	108.8	129.2	89.3	102.7	70.9	154.8	106.9	156.9	108.4
2011	171.4	108.8	136.0	86.3	104.1	66.1	154.9	98.4	155.9	99.0

Table 35—Producer price indexes for lumber and selected nonwood competing materials, 1965–2011 (1997 = 100)^a—Con.

	,		Prepare	d asphalt			Soft s	surface	Hard	surface
	Ceran	nic tile ^c	roo	fing ^d	Gypsum	products		overing		overing
Year	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative
1965	33.7	133.3	28.7	113.4	23.1	91.4	53.7	212.3	26.9	106.3
1966	34.2	131.0	30.1	115.2	22.8	87.3	53.5	205.0	26.7	102.3
1967	34.9	133.3	29.3	112.1	22.9	87.5	51.0	194.8	26.5	101.3
1968	35.9	134.0	30.5	113.7	23.7	88.5	51.3	191.4	27.2	101.6
1969	37.1	132.9	30.4	108.8	23.7	85.0	51.3	183.9	26.5	95.0
1970	38.1	131.7	29.8	103.2	22.8	78.8	50.4	174.4	26.6	91.9
1971	39.8	133.3	37.1	124.3	25.0	83.7	49.3	165.1	27.6	92.3
1972	40.0	128.1	39.2	125.6	26.2	84.1	49.0	157.0	27.7	88.7
1973	41.5	117.8	40.6	115.2	27.6	78.4	51.5	146.0	27.9	79.0
1974	45.4	108.2	55.8	133.0	31.4	75.0	56.5	134.8	33.3	79.5
1975	50.7	110.8	63.9	139.7	32.9	71.9	58.4	127.5	39.3	86.0
1976	54.5	113.8	67.9	141.8	35.3	73.7	60.1	125.4	43.2	90.3
1977	55.4	109.0	72.3	142.2	42.0	82.5	62.2	122.2	45.6	89.6
1978	55.1	100.6	84.7	154.6	52.4	95.7	64.4	117.5	47.8	87.3
1979	59.8	96.9	92.4	149.9	57.7	93.5	66.2	107.4	52.8	85.6
1980	63.2	89.8	109.3	155.4	58.6	83.3	72.1	102.5	60.5	85.9
1981	68.6	89.4	105.3	137.1	58.6	76.3	80.1	104.3	63.7	82.9
1982	72.3	92.2	103.6	132.2	58.6	74.7	81.1	103.4	64.8	82.7
1983	75.0	94.5	97.5	122.8	65.4	82.4	82.8	104.4	66.6	83.9
1984	77.8	95.8	101.3	124.6	79.3	97.6	85.4	105.0	68.7	84.6
1985	81.9	101.2	104.2	128.8	77.5	95.8	84.5	104.5	71.6	88.6
1986	86.0	109.5	100.3	127.8	80.2	102.2	86.7	110.5	73.5	93.6
1987	88.9	110.4	95.2	118.2	73.3	91.0	88.6	110.0	75.3	93.4
1988	91.9	109.7	97.8	116.8	66.1	78.9	91.5	109.2	79.4	94.8
1989	94.1	107.0	99.1	112.7	64.4	73.2	93.6	106.5	84.2	95.8
1990	95.7	105.0	99.3	108.9	61.6	67.6	94.8	104.1	86.2	94.6
1991	94.7	103.8	99.7	109.2	58.1	63.7	95.4	104.5	90.2	98.8
1992	95.8	104.3	97.7	106.4	58.7	63.9	94.9	103.3	92.1	100.2
1993	96.5	103.5	98.4	105.6	63.4	68.1	94.6	101.5	94.1	101.0
1994	98.0	103.8	96.3	102.0	79.6	84.4	95.6	101.3	95.5	101.2
1995	99.7	102.0	101.4	103.7	90.5	92.6	97.1	99.4	99.3	101.6
1996	99.9	99.9	100.9	100.9	90.2	90.1	99.1	99.0	99.7	99.6
1997	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1998	97.0	99.5	100.1	102.7	104.0	106.7	100.5	103.1	99.8	102.3
1999	97.5	99.1	99.6	101.3	121.8	123.9	99.3	100.9	99.1	100.8
2000	95.0	91.4	104.6	100.6	118.0	113.4	101.4	97.5	99.6	95.8
2001	87.9	83.6	108.1	102.8	91.6	87.1	102.3	97.3	98.2	93.4
2002	76.7	74.7	111.6	108.6	98.9	96.3	102.5	99.8	99.1	96.4
2003	76.7	70.9	115.7	106.9	100.4	92.8	105.2	97.2	101.2	93.5
2004	77.1	67.1	116.5	101.3	116.4	101.3	107.8	93.7	103.4	89.9
2005	79.0	64.1	130.8	106.0	134.5	109.0	116.0	94.0	109.6	88.8
2006	80.8	62.5	143.4	111.0	161.0	124.7	122.8	95.1	113.6	87.9
2007	80.7	59.6	146.2	107.9	136.5	100.7	124.3	91.7	116.6	86.0
2008	83.2	56.0	184.9	124.4	124.9	84.0	126.8	85.3	124.8	84.0
2009	82.4	60.8	228.2	168.4	125.2	92.4	132.5	97.8	128.4	94.7
2010	82.6	57.1	229.1	158.3	121.0	83.6	133.6	92.3	131.7	91.0
2011	82.3	52.2	236.5	150.1	118.2	75.1	138.6	88.0	140.4	89.1

^aU.S. Department of Labor, Bureau of Labor Statistics (77,78).

^bDerived by dividing the actual price index by the all commodities price index.

^cCeramic floor and wall tile.

^dPrepared asphalt and tar roofing and siding products.

^zNot available

^pPreliminary

Table 36—Relative^a producer price index for lumber, 1800–2011 (1997 = 100)^b

Table 36	-Relative	e" produc	cer price in	dex for it	ımber, 180	00-2011 (1997 = 100) ⁻			
	All		All		All		All		All		All
Year	lumber	Year	lumber	Year	lumber	Year	lumber	Year	lumber	Year	Lumber
1800	5.0	1840	12.6	1881	20.7	1922	40.3	1963	75.1	2004	101.6
1801	5.2	1841	13.0	1882	21.1	1923	43.7	1964	76.7	2005	98.6
1802	6.2	1842	12.9	1883	20.9	1924	39.8	1965	61.3	2006	91.7
1803	5.3	1843	12.6	1884	22.4	1925	38.3	1966	63.5	2007	82.6
1804	5.3	1844	13.3	1885	22.9	1926	38.2	1967	63.3	2008	75.7
1805	5.4	1845	14.7	1886	23.7	1927	37.4	1968	72.3	2009	68.5
1806	5.5	1846	13.9	1887	23.7	1928	35.4	1969	78.0	2010	77.9
1807	5.9	1847	13.4	1888	23.1	1929	37.5	1970	65.0	2011	77.8
1808	5.8	1848	13.9	1889	23.1	1930	37.5	1971	75.4		
1809	5.4	1849	14.1	1890	23.6	1931	36.0	1972	84.6		
1810	5.1	1850	14.8	1891	23.2	1932	34.8	1973	96.1		
1811	5.1	1851	14.3	1892	24.1	1933	40.5	1974	81.7		
1812	4.8	1852	15.7	1893	23.8	1934	42.7	1975	69.5		
1813	4.3	1853	15.2	1894	26.3	1935	38.7	1976	80.5		
1814	3.6	1854	14.8	1895	24.6	1936	40.8	1977	89.8		
1815	6.4	1855	15.6	1896	25.9	1937	44.1	1978	97.2		
1816	7.1	1856	16.0	1897	25.1	1938	42.6	1979	94.9		
1817	6.2	1857	16.5	1898	25.4	1939	45.7	1980	76.5		
1818	5.8	1858	16.4	1899	26.0	1940	49.8	1981	69.9		
1819	6.7	1859	16.0	1900	26.8	1941	53.2	1982	65.6		
1820	7.5	1860	16.0	1901	27.3	1942	51.0	1983	73.5		
1821	7.5	1861	15.6	1902	26.7	1943	51.9	1984	71.1		
1822	7.1	1862	14.2	1903	28.4	1944	56.2	1985	69.6		
1823	7.5	1863	13.6	1904	26.5	1945	55.7	1986	72.3		
1824	7.6	1864	13.6	1905	28.1	1946	56.1	1987	75.3		
1825	7.9	1865	12.6	1906	33.2	1947	72.8	1988	74.8		
1826	8.5	1866	15.9	1907	31.7	1948	76.3	1989	73.4		
1827	8.6	1867	16.9	1908	30.4	1949	73.7	1990	70.3		
1828	9.0	1868	17.4	1909	28.3	1950	82.8	1991	70.3		
1829	8.9	1869	17.0	1910	26.8	1951	80.5	1992	80.9		
1830	8.8	1870	17.4	1911	28.8	1952	80.5	1993	101.1		
1831	8.8	1871	18.4	1912	29.1	1953	80.8	1994	102.8		
1832	8.7	1872	18.7	1913	30.4	1954	79.1	1995	91.1		
1833	9.1	1873	19.0	1914	28.8	1955	84.1	1996	92.3		
1834	10.0	1874	18.8	1915	27.6	1956	83.1	1997	100.0		
1835	8.8	1875	18.0	1916	25.3	1957	75.9	1998	93.3		
1836	8.0	1876	18.4	1917	24.1	1958	73.8	1999	97.0		
1837	11.5	1877	18.6	1918	25.0	1959	79.3	2000	87.1		
1838	12.0	1878	18.6	1919	32.0	1960	75.7	2001	82.7		
1839	11.4	1879	19.9	1920	42.0	1961	72.0	2002	84.1		
1840	12.6	1880	19.4	1921	35.9	1962	73.1	2003	81.6		

^aDerived by dividing the actual price index by the all commodities price index.

^b1800 to 1914, Cornell University Agricultural Experiment Station (17);

¹⁹¹⁵ to present, U.S. Department of Labor, Bureau of Labor Statistics (74, 77);

^{1800-1964 (1992=100) 1965-}present (1997 = 100).

Table 37—Plywood production, imports, exports, and consumption, by softwoods and hardwoods,1965–2011 (3/8-in. basis)^a

	F	roductio	n		Imports			Export	S	Co	nsumption				
•		Soft-	Hard-		Soft-	Hard-		Soft-	Hard-		Soft-	Hard-	Per cap	oita cons	umption
	Total	woods	woods	Total	woods	woods	Total	woods	woods b	Total	woods	woods		Soft-	Hard-
	Million	Million	Million	Million	Million	Million	Million	Million	Million	Million	Million	Million	Total	woods	woods
	square	square	square		square			square	square	square	square	square		Square	
Year	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet
1965	14,496	12,447	2,049	1,052	5	1,047	36	30	6	15,512	12,422	3,090	80	64	16
1966	15,132	13,056	2,076	1,257	3	1,254	56	48	8	16,333	13,011	3,322	83	66	17
1967	14,874	12,958	1,916	1,247	3	1,244	93	85	8	16,028	12,876	3,152	81	65	16
1968	16,704	14,695	2,009	1,896	10	1,886	78	64	14	18,522	14,641	3,881	92	73	19
1969	15,563	13,694	1,869	2,122	15	2,107	215	199	16	17,470	13,510	3,960	86	67	20
1970	16,136	14,340	1,796	2,049	2	2,047	172	114	58	18,013	14,228	3,785	88	69	18
1971	18,559	16,635	1,924	2,545	3	2,542	114	99	15	20,990	16,539	4,451	101	80	21
1972	20,354	18,324	2,030	3,162	6	3,156	247	221	26	23,269	18,109	5,160	111	86	25
1973	20,112		1,807	2,536	9	2,527	451	411	40	22,197	17,903	4,294	105	84	20
1974		15,878	1,401	1,648	4	1,644	610	542	68	18,317	15,340	2,977	86	72	14
1975	17,102		1,052	1,925	7	1,918	859	791	68	18,168	15,266	2,902	84	71	13
1976		18,440	1,083	2,368	12	2,356	795	716	79	21,096	17,736	3,360	97	81	15
1977		19,376	1,187	2,272	18	2,254	357	287	70	22,478	19,107	3,371	102	87	15
1978	21,149		1,185	2,555	63	2,492	329	298	31	23,375	19,729	3,646	105	89	16
1979		19,653	1,150	2,097	27	2,070	431	402	29	22,469	19,278	3,191	100	86	14
1980	17,371	16,333	1,038	1,235	37	1,198	413	373	40	18,193	15,997	2,196	80	70 70	10
1981		16,752	976	1,512	30	1,482	733	686	47	18,507	16,096	2,411	80	70	10
1982	17,231	15,846	1,385	1,878	9	1,869	493	452	41	18,616	15,403	3,213	80	66	14
1983	20,960		1,480	2,747	18	2,729	615	574	41	23,092	18,924	4,168	99	81	18
1984	21,431		1,505	2,527	48	2,480	408	371	37	23,550	19,603	3,948	100	83	17
1985	21,511		1,342	3,112	54	3,058	365	321	44	24,259	19,903	4,356	102	83	18
1986	23,508		1,390	3,234	63	3,171	676	614	61	26,067	21,567	4,500	108	90	19
1987	24,423		1,524	3,932	129	3,803	855	796	60	27,500	22,232	5,268	113	92	22 19
1988 1989	24,151		1,552 1,541	3,358 1,983	96 49	3,262 1,935	1,108 1,562	1,004 1,442	104 119	26,401	21,691	4,711 3,356	108 94	89 81	19
1990	22,926 22,456		1,537	1,687	49 38	1,649	1,766	1,613	153	23,348 22,377	19,991 19,344	3,033	94 90	77	12
1990	20,148		1,496	1,457	28	1,429	1,553	1,322	231	20,052	17,358	2,695	90 79	69	11
1991		19,332	1,490	1,776	47	1,729	1,760	1,442	318	20,032	17,336	2,834	81	70	11
1993	20,733	19,332	1,511	1,786	41	1,725	1,677	1,409	268	20,771	17,937	2,989	81	70	12
1994		19,638	1,801	1,693	47	1,646	1,455	1,211	244	21,677	18,474	3,203	83	71	12
1995	21,209	,	1,842	1,951	60	1,892	1,517	1,267	250	21,643	18,160	3,483	82	69	13
1996	20,965		1,784	1,780	85	1,695	1,499	1,248	251	21,246	18,018	3,228	80	68	12
1997	19,835	17,963	1,872	2,111	104	2,007	1,802	1,548	254	20,143	16,519	3,625	75	62	14
1998	19,738		1,962	2,429	179	2,250	969	764	205	21,198	17,191	4,007	78	64	15
1999 ^r	19,832		2,016	2,827	309	2,518	984	781	203	21,675	17,344	4,331	79	63	16
2000	19,741		2,266	2,902	408	2,494	916	735	181	21,727	17,148	4,579	77	61	16
2001		15,121	2,104	3,220	665	2,555	676	514	162	19,768	15,272	4,496	69	54	16
2001 ^r		15,200	2,096	4,115	907	3,208	619	439	180	20,792	15,668	5,124	72	55	18
2002														54	
	16,753	14,706	2,047	4,489	1,306	3,183	640	410	230	20,603	15,602	5,001	71 77		17
2004	16,687	14,665	2,022	6,629	2,023 2,421	4,606	783 686	492 411	291 275	22,532 22,604	16,196 16,340	6,336 6,264	77 76	55 55	22 21
2005 2006	16,327 15,238		1,997 1,810	6,964 6,361	1,848	4,543 4,513	635	424	2/5	20,964	16,340 14,852	6,264 6,112	76 72	55 51	21
2006	14,013	,	1,770	4,972	1,040	3,885	732	553	179	18,253	12,777	5,476	72 61	42	18
2007	11,936		1,770	3,462	759	2,703	732 824	621	203	14,573	10,375	4,198	48	42 34	14
2009	10,192	8,608	1,584	2,751	616	2,703	619	473	146	12,325	8,751	3,574	40	28	12
2010	10,192	9,131	1,504	3,042	439	2,603	1,004	795	209	12,323	8,775	3,895	41	28	13
2010	10,632	8,980	1,602	3,042	439 478	2,603	949	793 740	209	12,070	8,718	3,996	41	28	13
2011	10,002	0,000	1,002	5,001	7/0	۷,000	∪+ ∪	1 1 U	203	14,7 14	0,710	5,550	→ 1	20	13

^aU.S. Department of Agriculture, Foreign Service (91); American Plywood Association, The Engineered Wood Association (12, 13);

U.S. International Trade Commision (83, 84); U.S. Department of Agriculture, Foreign Agricultural Service (91). Data may not add to totals because of rounding.

^bIncludes mixed species (not classified as hardwoods or softwoods).

Revised.

Table 38—Production, imports, exports, and consumption of structural panel products, by type, 1980–2011 (million square feet, 3/8-in. basis)^a

		Production			Imports			Exports			Consumptio	n
		Softwood			Softwood			Softwood			Softwood	
Year	Total	plywood	OSB	Total	plywood	OSB	Total	plywood	OSB	Total	plywood	OSB
1980	16,468	16,333	135	360	37	323	373	373	Z	16,455	15,997	458
1981	17,023	16,752	271	349	30	319	686	686	Z	16,686	16,096	590
1982	16,403	15,846	557	268	9	259	452	452	Z	16,219	15,403	816
1983	20,821	19,480	1,341	423	18	405	574	574	Z	20,670	18,924	1,746
1984	21,968	19,926	2,042	727	48	679	371	371	Z	22,324	19,603	2,721
1985	22,838	20,169	2,669	848	54	794	321	321	z	23,366	19,903	3,463
1986	25,631	22,118	3,513	723	63	660	614	614	z	25,740	21,567	4,173
1987	26,975	22,899	4,076	889	129	760	796	796	z	27,068	22,232	4,836
1988	27,203	22,599	4,604	911	96	815	1,004	1,004	Z	27,110	21,691	5,419
1989	26,490	21,385	5,105	1,160	49	1,111	1,442	1,442	z	26,207	19,991	6,216
1990	26,337	20,919	5,418	1,351	38	1,313	1,613	1,613	z	26,075	19,344	6,731
1991	24,265	18,652	5,613	1,016	28	988	1,379	1,322	57	23,901	17,358	6,544
1992	25,985	19,332	6,653	1,619	47	1,572	1,491	1,442	49	26,113	17,937	8,176
1993	26,317	19,315	7,002	2,203	41	2,163	1,470	1,409	60	27,051	17,946	9,105
1994	27,124	19,638	7,486	2,635	47	2,588	1,289	1,211	78	28,469	18,474	9,995
1995	27,270	19,367	7,903	3,274	60	3,214	1,348	1,267	82	29,196	18,160	11,036
1996	28,495	19,181	9,314	4,500	85	4,414	1,405	1,248	157	31,590	18,018	13,572
1997	28,497	17,963	10,534	5,376	104	5,272	1,715	1,548	167	32,158	16,519	15,639
1998	29,003	17,776	11,227	6,671	179	6,492	864	764	100	34,810	17,191	17,619
1999 ^r	29.428	17,816	11,612	7.659	309	7.350	960	781	179	36,127	17.344	18,783
2000	29,381	17,475	11,906	8,030	408	7,622	914	735	179	36,498	17,148	19,350
2001	27,653	15,121	12,532	8,755	665	8,090	681	514	167	35,727	15,272	20,455
2002	28,626	15,200	13,426	9,368	907	8,461	634	439	195	37,360	15,668	21,692
2003	28,321	14,706	13,615	10,386	1,306	9,080	567	410	157	38,140	15,602	22,538
2004	28,936	14,665	14,271	11,870	2,023	9,847	685	492	193	40,120	16,196	23,924
2005	29,315	14,330	14,985	12,965	2,421	10,544	580	411	169	41,700	16,340	25,360
2006	28,388	13,428	14,960	11,986	1,848	10,138	603	424	179	39,771	14,852	24,919
2007	27,006	12,243	14,763	7,916	1,087	6,829	817	553	264	34,105	12,777	21,328
2008	23,240	10,237	13,003	4,425	759	3,666	1,071	621	450	26,594	10,375	16,219
2009	18,206	8,608	9,598	3,372	616	2,756	653	473	180	20,915	8,741	12,174
2010	19,430	9,131	10,299	3,266	439	2,827	1.074	795	279	21,622	8,775	12,847
2011	19,019	8,980	10,039	3,406	478	2,928	1,079	740	339	21,346	8,718	12,628

^aAmerican Plywood Association (11,12,13); US International Trade Commission (83, 84); Data may not add to totals because of rounding.

^cBased on Canadian export data. Industry sources estimate that about 95% of Canadian exports are to U.S. markets.

Revised.

^zNot available.

Table 39—Hardwood plywood imports, by country or region of origin, 1965–2011 (million square feet, surface measured) ^a Latin America

Charge Control Contr			Africa Other ^e		6.6 0.3	2.4	1.0	1.8	0.5 0.1	1.0	0.1 0.1	0.5 0.2	z 6.3	z 4.3	0.5 9.1	z 7.1	0.7 0.1	-	f 0.5	0.1 ^z	z 0.1	z z	1.0	0.4 0.3	4.7	9.0 5.0		0.2 27.5	0.0 47.9	0.0 46.7	0.6 2.5	0.9 2.4	0.0	0.2 1.6	2.0 5.6	3.8 40.8		•	2.5 4.1		7.4	7.0 838.4	0.3 573.0	5.1 451.1	22 544.5
Character Char					N	N	z	z	z	z	z	N	z	z	z	z	z	z	z	z	z	z	z	z	, z	N			9.0	0.6	2.8	3.6	8.6	ر س	, S 8 8 9			•	•		3.0	2.2	96.3	1 1.1	٥
Total Carrier Curitical		96	_																									0 15	000												_				
Total Canida Total Maior Medica Medi		Europ	Russi	Z	z	N	z	N	Z	z	Z	z	z	z	z	Z	z	z	z	z	Z	z	Z	z	z	Z	z	0 (o c											•			556	438	101
Canada C			Total	118.3	145.1	118.2	156.0	192.3	136.1	127.3	121.3	94.0	48.2	30.8	47.6	44.2	48.1	40.8	30.6	37.9	24.1	39.4	50.9	82.3	71.5	85.1	39.6	158.7	90.6	87.7	122.8	205.6	311.9	351.6	480.8	637.8	784.6	978.6	1312.6	1079.0	1259.8	200.4	260.0	186.5	0
Cantification Cantificatio		:	Other Asia	51.7	45.2	8.49	98.8	143.6	75.0	152.3	165.2	113.1	73.5	38.7	28.2	32.2	4.	24.3	10.7	11.6	5.2	11.7	11.6	19.6	35.1	67.3	74.5	38.5	28.3	13.0	14.2	18.1	8.3	7.1	7.8	11.5	21.8	38.7	35.3	86.6	95.1	57.8	30.3	19.1	7 0 7 7
Cantification Cantificatio			Malaysia	Z	z	z	z	N	z	N	z	z	N	z	z	N	z	z	z	z	N	z	N	z	z	N	z	40.3	159.1	471.3	443.7	379.1	373.9	300.4	723.3	962.7	813.0	762.4	1049.9	972.4	1137.0	1179.1	935.6	422.7	0,70
Total					z	N	z	N	z	0.1	z	z	z	z	z	z	64.3	95.5	120.8	271.7	473.9	1,352.2	1,568.8	2,147.2	2,551.1	2,721.4	2,345.4	2,341.2	2,209.4	1,7 90.0	1,858.5	1,456.4	1,858.4	1,575.1	2.074.2	1,839.3	1,510.6	1,368.2	1,515.2	1,241.7	984.2	878.7	649.7	483.6	107
Total			Korea	336.7	573.6	702.0	,167.2	,589.8	,787.3	,251.3	,865.6	,443.0	,694.7	,290.0	,785.7	6.929	,493.0	,836.7	902.1	943.7	559.6	414.8	78.1	28.2	61.8	48.7	6.7	9.5	6.7	0 0	4.0	0.1	0.0	0.0	2.5	1.3	0.1	1.2	4 ;	14.1	- 0	22.5	1.0	1.0	4
Total Caniman America Americ		Asia	aiwan		z	N	2	N	2	N	N	N N	z	2	N N	N	N N	2	z	z	N	N	N	z	z	N	z	70.2	55.9	6.19	90.5	45.9	29.3	38.4	36.7	45.2	49.2	39.0	53.6	49.3	67.3	86.2	30.0	63.0	17 1
Central America Contral Am		,		l	28.8	85.4	29.6	36.0	39.6	95.5	21.9	67.2	37.2	11.8	89.4	49.1	52.8	23.1	59.8	80.9	9.09	24.6	04.8	80.3	23.5	9.59				- c - t	14.5	20.4	12.4	en e	· -		62.0	76.4	62.1	17.3	- 6	75.9	79.6	77.8	
Central America Total Japan p Central Japan p							٥.	_	_																					0 0	9.6	8.0	0.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	3,6	1.8 4.6	6.8 4,2	5.5 3,1	
Califormetrical America and Ame		i	_		(,)	7	•	4)	4,	4,	٣	_	.,	.,	()	•	()	`	•	•						_					9.0	1.5	0.2	2. 5	2 2	9.0	2.2	0.2	0.5	9.0	7.0	5.0	1.1	1.1	
Central America Central America Central America America America Central			,	4	6	0	_	8	e	_	0		•	_	7	m	OI.														6.0	2.3	2.7 (9.6		0.1	8.8	0.9	8.0	5 6		2.6	3.1	2.8	
Central America and Contral America and Colored and Colored and Colored Act of the Colored A	1	0.	æ	_	7 2,32	1 2,35	3,61	3 4,04	3,99	5 4,98	3 6,21	5 4,95	3,22	3,80	7																									., .	,		w	4	
Total Canada Total Mexico West Indies		Other	South	10.8	80	œί	11.	7.(œ.	12.	11.8	13.6	17.8	œ.	11.	19.	23.0	51.	42.	26.0	21.8	42.	88.	72.	118.8	104.8	118.0																	`	1
20328	<u>8</u>			Z	z	N	z	N	z	z	Z	z	z	z	z	N	z	z	z	z	N	z	N	z	z	N	z	186.9	248.9	3976	594.8	687.2	554.0	496.5	271.3	463.3	602.7	642.3	789.1	941.9	596.9	397.8	266.0	137.5	
20328	tin Amer Central	America	and est Indie	-	z	N	1.0	4.0	1.9	1.3	8.7	4.5	1.0	7.5	8.9	5.1	5.9	2.4	3.7	4.4	2.5	1.3	4.	2.9	8.1	6.0	0.5	2.2	4 t 2i c	- t	. 8.	8.2	8.7	න c	6.2	2.4	2.5	3.1	6.3	3.7	0.01	0.8	3.7	6.9	,
20328 64.5 2.553.7 64.1 2.553.7 64.1 2.552.7 48.0 3.841.3 53.0 4.290.2 40.6 4.429.2 24.9 5.146.7 74.4 4.797.8 53.6 4.590.7 69.3 4.246.3 82.2 2.440.5 77.4 3.346.6 57.5 2.249.4 54.5 2.249.4 54.5 3.346.6 57.5 3.346.6 57.5 3.346.6 57.5 3.346.8 11.7 3.352.3 11.0 3.352.3 81.7 3.352.3 81.7 3.352.3 81.7 3.352.3 81.7 3.352.3 81.7 3.352.3 81.7 3.352.3 81.7 3.352.3 81.7 3.352.1 69.4 4.68.1 69.6 5.249.0 69.3	La		exico We	Ļ	z	-	z	0.1	-	N	z	z	N	z	z	N	0.1	-	z	z	N	0.3	0.1	-	0.2	0.2	-	9.0	0.0	- «	0.2	5.7	10.1	21.0	7.2	16.3	18.0	18.4	19.9	17.1	5.0	i 5	3.7	0.2	•
2,032.8 64.5 2,553.7 48.0 3.841.3 53.0 44.290.2 40.6 4,290.2 40.6 4,290.2 40.6 4,290.2 40.6 4,290.2 40.6 4,290.2 40.6 4,290.2 40.6 4,290.2 40.6 4,290.2 40.6 4,590.7 69.3 349.0 75.3 4,216.3 82.2 2,440.5 72.8 3,346.6 57.5 2,982.3 3,346.6 57.5 2,982.3 3,346.6 57.5 3,346.6 57.5 3,346.6 57.5 3,346.6 57.5 3,346.6 57.5 3,346.6 57.5 3,346.6 57.5 3,346.6 57.5 3,346.6 57.5 2,910.3 3,352.1 59.4 3,352.1 69.4 3,352.1 69.4 3,352.1 69.4 4,086.1 606.1 4,581.7 5,910.8 3,352.1 69.4 4,086.1 606.1 4,581.7 5,910.8 3,352.1 69.4 5,512.8 3,520.5 26.8 4,095.5 3,377.2 825.3 9,249.0 969.5 5,918.7 9,940.7 5,502.8 3,524.7 5,502			Total	10.8	8.7	8.1	12.2	11.7	10.2	13.8	20.5	18.0	18.8	15.8	18.3	24.8	29.6	53.7	46.1	30.4	24.3	1.44	0.06	75.1	120.8	105.9	118.5	232.1	306.3	297.2 155.6	386.5	347.1	332.6	326.7	190.1	720.4	374.4	358.9	0.11.0	181.5	799.1	595.5	549.3	324.9	
2,553.7 2,553.7 2,553.7 3,841.3 4,290.2 4,290.2 4,290.2 5,146.7 5,146.7 5,146.7 3,349.1 3,349.1 3,346.6 2,244.6 3,346.6 2,244.6 3,346.6 3,360.2 3,360.2 3,360.2 3,360.3 3,360.3 3,360.3 3,360.4 3,360.4 3,360.4 3,360.4 3,360.4 3,360.6 3,360.	I		nada	64.5	64.1	48.0	53.0	40.6	24.9	45.8	69.5	74.4	46.8	50.4	53.6	69.3	75.3	82.2	72.8	64.7	54.5	57.5	73.4	69.4																	•		64.7	52.4	0
							~	٥.	_	_	10	_	_	4			_	_			_												į.	_						-		_	7	02.8 3	717
			_		N	7	က	4	4	- 5	2	4,	ω	က	4	4	4,	4	.,	_	(1												.,	.,	• •					_				4)	7

Table 40—Veneer imports and exports, by species, 1965–2011 (million square feet, surface measured)^a

			Imports					Ex	ports		
			Hardwoods					Hard	lwoods		
Year	Total	Total	Birch and maple	Other	Soft- woods	Total	Total	Walnut	Red and white oak	Other	Soft- woods
1965	1,958.2	1,871.2	817.4	1,053.8	87.0	169.8	143.7	80.6	b	63.1	26.1
1966	2,043.0	1,843.7	766.4	1,077.3	199.3	153.9	110.5	54.2	b	56.3	43.4
1967	1,990.9	1,796.7	754.9	1,041.8	194.2	192.8	105.8	44.8	b	61.0	87.0
1968	2,340.1	2,178.7	820.8	1,357.9	161.4	306.3	173.6	71.9	b	101.7	132.7
1969	2,054.6	1,855.7	698.2	1,157.5	198.9	360.6	194.2	92.4	b	101.8	166.4
1970	1,876.6	1,605.8	650.0	955.8	270.8	327.1	183.8	111.3	b	72.5	143.3
1971	2,302.1	2,035.2	812.0	1,223.2	266.9	571.5	172.7	97.7	b	75.0	398.8
1972	3,151.4	2,786.0	997.9	1,788.1	365.4	491.7	204.3	84.9	b	119.4	287.4
1973	2,967.7	2,780.0	890.5	1,692.4		660.5	346.0	90.9	b	255.1	314.5
	,	,			384.8				b		
1974	2,281.6	1,965.9	679.6	1,286.3	315.7	599.4	380.8	77.4	b	303.4	218.6
1975	1,497.7	1,145.6	552.2	593.4	352.1	736.8	390.3	63.6	b	326.7	346.5
1976	1,993.5	1,595.6	760.3	835.3	397.9	768.2	505.8	91.8	b	414.0	262.4
1977	2,261.0	1,718.5	721.3	997.2	542.5	687.0	516.5	93.1		423.4	170.5
1978	2,143.3	1,632.5	722.8	909.7	510.8	1,541.6	1,353.3	128.9	476.1	748.3	188.3
1979 1980	2,076.6 1,666.8	1,560.1	713.4 584.2	846.7 629.0	516.5 453.6	1,072.5	886.0 1,077.3	80.6 117.8	522.0 631.2	283.4 328.3	186.5 255.8
1981	1,729.3	1,213.2 1,406.3	605.1	801.2	323.0	1,333.1 1,378.1	919.6	107.9	509.2	302.5	458.5
1982	1,665.9	1,231.9	506.8	725.1	434.0	1,140.3	803.6	78.6	512.9	212.1	336.7
1983	2,072.5	1,607.2	637.8	969.4	465.3	1,438.8	1,023.8	106.0	624.4	293.4	415.0
1984	1,886.8	1,502.9	537.2	965.7	383.9	1,370.5	1,002.7	84.4	636.0	282.3	367.8
1985	1,753.4	1,398.0	501.5	896.5	355.4	1,100.2	792.6	85.6	481.5	225.5	307.6
1986	1,997.4	1,603.9	557.3	1,046.6	393.5	1,466.1	995.8	72.6	639.3	283.9	470.3
1987	2,106.6	1,682.2	563.4	1,118.8	424.4	1,775.9	1,384.7	90.7	857.4	436.6	391.2
1988	2,226.7	1,713.8	588.0	1,125.8	512.9	1,830.1	1,574.2	69.9	1,058.7	445.6	255.9
1989	1,163.9	719.7	239.9	479.8	444.1	1,712.2	1,599.6	35.8	431.0	1,132.7	112.6
1990	2,109.3	1,600.7	559.2	1,041.5	508.6	1,820.2	1,681.4	103.4	1,135.5	442.5	138.9
1991	1,917.4	1,383.7	523.5	860.2	533.7	1,896.1	1,725.5	85.9	1,084.3	555.4	170.6
1992	2,422.3	1,674.4	599.1	1,075.3	747.9	2,072.2	1,884.8	69.7	1,094.0	721.2	187.4
1993	2,870.0	1,904.1	619.2	1,284.9	965.9	2,209.9	1,977.4	60.7	958.1	958.6	232.5
1994	3,036.6	1,946.6	713.0	1,233.7	1,090.0	2,459.3	2,310.0	68.4	1,086.1	1,155.5	149.3
1995	3,223.2	2,283.2	739.4	1,543.8	940.0	2,800.0	2,613.3	73.6	1,109.9	1,429.8	186.7
1996	3,011.4	2,093.4	718.2	1,375.1	918.0	2,792.7	2,613.3	49.1	1,080.1	1,484.1	179.4
1997	2,926.9	1,994.9	767.9	1,227.0	932.0	3,068.6	2,875.4	60.2	1,070.3	1,744.8	193.2
1998	3,435.1	2,210.7	789.2	1,421.6	1,224.3	2,946.1	2,722.2	58.6	1,041.5	1,622.0	223.9
1999	3,933.3	2,350.6	947.9	1,421.0	1,582.7	3,293.3	2,986.8	78.6	1,008.7	1,899.4	306.5
2000	4,339.0	2,479.8	1,085.4	1,394.4	1,859.1	3,527.8	3,200.2	83.7	1,022.0	2,094.5	327.6
2001	4,263.7	2,166.5	897.0	1,269.5	2,097.2	3,372.2	3,148.8	102.6	936.9	2,109.3	223.4
2002 ^r	4,714.0	2,328.7	954.4	1,374.3	2,385.3	3,720.7	3,460.4	92.8	836.8	2,530.9	260.3
2003	4,487.5	2,073.1	712.9	1,360.2	2,414.4	3,681.4	3,283.3	74.9	763.7		398.1
2004	5,491.5	2,310.4	706.6	1,603.8	3,181.1	4,280.4	3,707.5	104.2	880.7	2,722.6	572.9
2005	5,751.8	2,239.4	827.1	1,412.3	3,512.4	4,130.2	3,540.0	115.5	764.0	2,660.5	590.3
2006	5,057.3	1,911.2	596.3	1,314.9	3,146.2	4,098.1	3,424.5	139.0	763.9	2,521.7	673.6
2007	3,906.7	2,154.2	519.6	1,634.6	1,752.4	1,734.8	1,259.1	203.0	749.0	307.2	475.7
2008	2,821.3	1,539.8	442.1	1,097.7	1,281.5	960.7	653.1	146.0	623.0	- 116.0	307.7
2009	1,982.8	933.3	392.4	541.0	1,049.5	608.7	342.3	81.3	563.7	- 302.6	266.4
2010	2,109.1	960.8	392.4	568.5	1,148.2	626.1	350.6	136.4	540.5	- 326.3	275.5
2011	2,317.3	799.2	327.7	471.4	1,518.1	354.4	182.2	148.5	486.8	- 453.1	172.2

^aAmerican Forest and Paper Association (4); U.S. International Trade Commission (84); U.S. Department of Agriculture, Foreign Agriculture Service (91). Data may not add to totals because of rounding.

^bRed and white oak are included in Other for 1965 to 1977.

 $^{^{\}rm r}$ Revised

Table 41—Hardwood veneer imports, by country or region of origin, 1965–2011 (million square feet, surface measured) ^a

				l atin	America	<u> </u>	<u> </u>	•	•			
		-			Central							
					America				Asia			
					and	South				Other	-	
Year	Total	Canada	Total	Mexico	West Indies		Total	Japan	Philippines	Asia	Africa	Europe
1965	1,871.2	852.0	67.1	0.1	19.2	47.8	687.0	4.8	527.0	155.2	219.8	44.3
1966	1,843.7	792.8	96.4	0.3	21.2	74.9	714.1	3.8	522.7	187.6	209.7	29.6
1967	1,796.7	775.8	140.9	0.1	8.0	132.8	580.9	3.8	451.8	125.3	271.2	27.7
1968	2,178.7	837.7	200.5	1.5	16.8	182.2	837.7	4.3	609.8	223.6	276.5	26.3
1969	1,855.7	713.9	152.7	0.6	13.1	139.0	838.6	5.3	671.4	161.9	128.1	22.2
1970	1,605.8	672.4	191.0	0.6	5.0	185.4	569.1	3.3	460.0	105.8	147.0	26.1
1971	2,035.2	842.4	216.1	0.5	15.1	200.5	809.4	4.5	590.9	214.0	143.1	24.0
1972	2,786.0	1,051.8	303.8	С	28.8	275.0	1226.5	0.9	822.5	403.1	153.9	30.2
1973	2,582.9	944.4	288.4	С	43.2	245.2	1126.1	2.3	850.8	273.0	167.2	27.8
1974	1,965.9	709.2	243.8	z	43.9	199.9	874.0	0.9	660.8	212.3	78.6	39.4
1975	1,145.6	570.7	132.5	z	22.2	110.3	331.5	3.8	294.3	33.4	74.3	23.1
1976	1,595.6	804.6	210.8	z	8.3	202.5	520.6	4.5	452.4	63.7	15.0	30.1
1970	1,718.5	801.4	159.1	0.9	13.0	145.2	689.3	5.5	580.5	103.3	19.6	30.1
1978	1,632.5	817.4	213.1	3.6	21.8	187.7	536.8	7.1	442.6	87.1	19.0	44.7
1979	1,560.1	834.0	149.4	2.0	28.2	119.2	482.5	1.3	448.2	33.0	35.4	56.4
1980	1,213.2	700.4	156.0	z.0	27.3	130.7	301.6	2.0	261.5	38.1	21.9	31.4
1980	1,406.3	753.6	165.0	0.2	27.3	130.7	398.2	0.9	330.7	66.6	36.3	41.6
1982	1,231.9	705.0	161.2	0.2	24.4	136.0	149.9	0.9	120.0	29.2	19.2	193.2
1983	1,607.2	908.3	192.2	3.0	23.1	166.1	366.0	2.8	318.3	44.9	27.1	100.9
1984	1,502.9	828.1	227.5	0.8	31.6	195.1	287.2	8.5	180.7	98.0	13.7	127.6
1985	1,398.0	728.7	233.1	0.0	26.5	206.4	240.5	6.5	110.7	123.3	26.1	150.8
1986	1,603.9	831.8	233.9	0.2	20.8	212.9	310.4	5.1	112.7	192.6	57.4	139.0
1987	1,682.2	910.8	245.0	z.	18.0	227.0	331.3	6.3	122.8	202.2	40.9	127.0
1988	1,713.8	944.3	312.8	0.8	33.2	278.8	279.5	2.0	182.4	95.1	41.6	92.8
1989	719.7	366.9	143.1	0.0	6.4	136.7	116.4	2.5	72.5	41.4	23.9	53.9
1990	1,600.7	904.2	320.6	0.0	28.4	292.2	221.2	5.8	111.6	103.8	31.8	93.6
1991	1,383.7	832.1	254.4	0.0	25.5	228.9	167.3	4.8	73.3	89.1	26.7	75.0
1992	1,674.4	997.9	364.5	1.0	109.0	254.5	182.9	2.9	64.2	115.8	21.8	80.9
1993	1,904.1	1,158.4	452.8	2.9	7.8	442.0	120.5	2.5	11.6	106.3	39.2	95.7
1994	1,946.6	1,220.8	414.5	1.4	6.5	406.5	71.7	3.0	5.7	63.1	41.5	151.5
1995	2,283.2	1,186.4	575.4	9.1	14.8	551.5	213.0	3.5	47.9	161.6	114.4	137.8
1996	2,093.4	1,190.2	508.8	13.6	6.1	489.1	58.1	4.3	0.1	53.7	171.4	112.0
1997	1,994.9	1,247.4	374.4	17.0	1.6	355.7	61.9	6.1	0.0	55.8	137.2	139.8
1998	2,210.7	1,316.2	351.8	22.3	1.9	327.6	99.2	3.2	0.0	96.0	218.4	176.1
1999	2,350.6	1,440.5	340.8	22.6	0.7	317.5	94.0	5.6	0.0	88.4	282.7	167.5
2000	2,479.8	1,503.9	309.4	41.6	8.0	267.0	96.4	6.8	0.0	89.6	269.3	279.6
2001	2,166.5	1,277.2	295.3	35.7	2.0	257.7	96.1	2.9	0.0	93.2	262.4	210.6
2002	2,328.7	1,322.6	314.7	24.4	0.2	290.0	99.4	3.3	0.0	96.1	314.9	254.0
2003	2,073.1	1,168.7	259.3	13.7	0.2	245.4	158.3	3.4	0.0	154.9	283.3	187.2
2004	2,310.4	1,400.6	212.1	17.7	3.3	191.0	149.6	3.7	0.0	145.9	289.8	228.6
2005	2,239.4	1,196.5	308.6	20.7	- 1.8	289.7	177.6	4.9	0.0	172.8	295.3	235.5
2006	1,911.2	673.3	135.3	20.2	- 19.8	134.9	172.6	3.4	0.0	169.2	234.8	189.9
2007	2,154.2	124.7	473.6	15.1	- 14.9	473.4	252.7	6.7	0.0	246.1	276.6	169.7
2008	1,539.8	65.4	112.9	11.1	- 11.1	112.9	196.2	5.1	0.0	191.1	226.1	178.5
2009	933.3	0.0	31.5	7.5	- 7.5	31.5	196.2	1.8	0.0	194.4	114.0	106.4
2010	960.8	35.8	42.2	6.6	- 6.6	42.2	112.1	1.9	0.0	110.2	129.0	103.9
2011	799.2	230.4	30.55	3.8	- 3.8	30.54	102.3	1.5	0.0	100.8	115.8	109.0

^{2011 799.2 230.4 30.55 3.6 - 5.6 50.57 .62.5 ...}aU.S. International Trade Commission (84); U.S. Department of Agriculture, Foreign Agricultural Service (91). Data may not add to t bFor the years 1974 to 1977, all imports with a value of less than \$500 are included in Other.

^cFewer than 50,000 ft².

^zNot available.

Table 42—Producer price indexes for plywood, 1965–2011 (1997 = 100)^a

					Softwoo	d plywood				
		-	All so	ftwood					All ha	rdwood
	All n	lywood		vood	We	stern	Sou	thern		vood ^b
Year _	Actual	Relative ^c	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative
1965	28.0	110.7	21.4	84.5	Z	Z	Z	Z	43.7	172.5
1966	28.2	108.0	21.5	82.3	z	z	Z	z	44.1	168.9
1967	27.1	103.5	20.2	77.2	z	z	z	z	43.4	165.8
1968	31.3	116.7	26.2	97.6	z	z	z	z	43.7	162.9
1966	33.2	110.7	26.2 28.1	100.7	26.9	96.2	32.1	115.0	45.7 45.3	162.9
1909	33.2 29.4	101.5	23.0	79.5	20.9	75.5	27.2	93.8	44.5	153.9
1970	31.0	101.5	25.7	85.9	24.4	81.6	31.0	103.9	43.7	146.5
1972	35.4	113.4	31.3	100.3	29.8	95.3	37.1	118.6	45.3	145.4
1973	42.1	119.3	39.2	111.3	37.7	106.9	42.9	121.5	49.0	139.1
1974	43.6	103.9	37.7	90.0	36.5	87.0	40.6	96.9	56.6	135.0
1975	43.6	95.2	40.6	88.7	39.2	85.7	42.6	93.0	51.9	113.4
1976	50.7	105.8	50.1	104.6	47.3	98.8	55.9	116.8	53.2	111.2
1977	57.4	113.0	59.9	117.7	56.2	110.3	68.1	133.7	55.4	109.0
1978	63.8	116.5	66.0	120.5	62.7	114.4	72.9	133.1	60.9	111.2
1979	67.8	110.0	65.2	105.6	63.5	102.8	66.7	107.9	73.5	119.2
1980	66.7	94.8	62.5	88.8	60.1	85.3	66.4	94.3	76.7	109.0
1981	66.6	86.7	62.0	80.7	60.7	79.0	63.1	82.1	78.1	101.7
1982	62.8	80.1	57.0	72.8	54.6	69.6	61.3	78.2	78.6	100.4
1983	66.1	83.2	62.7	79.0	59.4	74.8	69.1	87.0	78.1	98.4
1984	65.4	80.5	61.4	75.5	58.8	72.3	65.3	80.3	78.4	96.5
1985	62.6	77.3	61.3	75.8	58.8	72.7	64.9	80.1	70.7	87.5
1986	63.7	81.1	62.4	79.5	60.0	76.4	66.0	84.0	71.6	91.2
1987	64.5	80.0	62.6	77.8	60.8	75.4	65.1	80.7	73.1	90.7
1988	65.0	77.6	62.2	74.3	61.7	73.6	62.4	74.5	74.1	88.5
1989	72.8	82.8	70.9	80.6	70.6	80.3	70.1	79.6	78.6	89.3
1990	71.7	78.7	68.3	74.9	68.4	75.1	66.7	73.1	80.8	88.7
1991	71.8	78.7	68.9	75.5	69.2	75.7	67.1	73.4	80.9	88.6
1992	83.6	91.0	83.9	91.3	83.5	90.8	84.6	92.0	84.1	91.6
1993	96.0	103.0	96.8	103.9	97.3	104.3	95.6	102.5	90.8	97.5
1994	99.7	105.6	100.9	106.9	101.0	107.0	102.6	108.7	96.2	102.0
1995	103.9	106.3	107.3	109.8	105.0	107.4	112.4	115.0	96.1	98.4
1996	98.4	98.3	99.2	99.1	98.3	98.1	96.6	96.4	98.3	98.3
1997	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1998	99.0	101.5	99.9	102.5	98.0	96.6	106.2	104.7	99.9	102.4
1999	110.8	112.6	118.1	120.1	116.7	105.7	125.4	113.5	101.2	102.9
2000	99.0	95.2	98.9	95.1	97.9	80.3	101.7	83.4	102.4 102.6	98.5
2001 2002	96.9	92.2 92.8	95.7	91.0	94.3	76.4 77.2	100.2 94.9	81.2 79.7		97.6 100.7
	95.3		93.6	91.1	93.0			78.7	103.5	
2003	104.9	96.9	111.8	103.3	111.1 d	80.5 d	123.5	89.5 d	101.5	93.8
2004	124.7	108.5	143.1	124.5	d	d	d	d	105.8	92.0
2005	117.4	95.1	127.5	103.4	d	d	d	d	78.7	63.8
2006	108.5	84.0	108.7	84.1					79.8	61.8
2007	110.6	81.7	112.8	83.3	d	d	d	d	80.6	59.5
2008	109.8	73.9	110.2	74.1	d	d	d	d	81.7	55.0
2009	102.8	75.9	98.1	72.4	d	d	d	d	81.1	59.9
2010	111.0	76.7	112.4	77.7	d	d	d	d	81.5	56.3
2011	107.4	68.2	106.0	67.3	d	d	d	d	81.8	51.9
_										

^aU.S. Department of Labor, Bureau of Labor Statistics (77,78).

^bHardwood plywood and related products.

^cDerived by dividing the actual price index by the all commodities index.

^dDiscontinued series after 2003

^zNot available.

Table 43—Paper and board^a production, imports, exports, and consumption, 1965–2011^b

					_		mption
	Production	lmı	oorts ^c	Exp	orts ^c	Total	
	Thousand	Thousand	Percent of	Thousand	Percent of	Thousand	Per capita
Year	tons	tons	consumption	tons	production	tons	Pounds
1965	40,489	6,536	14.4	1,530	3.8	45,495	468
1966	43,904	7,178	14.5	1,696	3.9	49,386	502
1967	43,745	6,818	14.0	1,835	4.2	48,728	490
1968	47,085	6,643	12.9	2,125	4.5	51,602	514
1969	49,824	7,051	12.9	2,377	4.8	54,498	538
1970	48,719	6,845	12.9	2,433	5.0	53,131	518
1971	49,741	6,932	12.8	2,665	5.4	54,008	520
1972	53,842	7,245	12.4	2,790	5.2	58,297	555
1973	56,346	7,865	12.8	2,616	4.6	61,595	581
1974	55,756	8,128	13.4	3,058	5.5	60,827	569
1975	47,997	5,961	11.6	2,400	5.0	51,557	477
1976	54,993	6,879	11.6	2,637	4.8	59,235	543
1977	56,656	7,190	11.7	2,546	4.5	61,301	557
1978	58,571	8,311	12.9	2,583	4.4	64,299	578
1979	61,070	8,462	12.7	2,864	4.7	66,668	592
1980	61,042	8,013	12.4	4,241	6.9	64,814	569
1981	62,109	7,779	11.7	3,630	5.8	66,258	576
1982	59,290	7,321	11.6	3,494	5.9	63,117	544
1983	64,947	8,357	12.0	3,786	5.8	69,519	593
1984	68,449	10,148	13.5	3,542	5.2	75,055	635
1985	66,983	10,444	14.1	3,290	4.9	74,137	622
1986	70,905	10,922	14.0	3,972	5.6	77,855	647
1987	74,361	11,855	14.4	4,111	5.5	82,105	676
1988	76,587	12,184	14.4	4,239	5.5	84,532	690
1989	76,786	12,027	14.3	4,713	6.1	84,100	680
1990	78,679	12,195	14.2	5,163	6.6	85,711	686
1991	79,427	11,086	13.2	6,435	8.1	84,078	665
1992	82,868	11,731	13.4	7,021	8.5	87,578	686
1993	84,857	12,990	14.3	6,835	8.1	91,013	705
1994	89,080	13,651	14.3	7,536	8.5	95,195	730
1995	89,509	14,238	14.8	7,621	8.5	96,126	731
1996	90,381	13,023	13.8	9,118	10.1	94,287	710
1997	95,029	14,513	14.6	10,367	10.9	99,175	740
1998	94,510	15,571	15.4	9,103	9.6	100,978	747
1999	97,020	16,678	15.9	8,824	9.1	104,873	768
2000	94,491	17,356	16.8	8,701	9.2	103,147	731
2001	88,913	16,449	16.9	8,059	9.1	97,303	683
2002	89,636	16,567	17.0	8,976	10.0	97,227	676
2003	88,385	18,109	18.1	6,238	7.1	100,256	689
2004	91,899	19,036	18.3	6,742	7.3	104,193	709
2005 2006	91,031	17,958 17,724	17.6 17.3	7,125	7.8 7.7	101,864 102,439	687 707
2006	91,800 91,570	16,321	17.3 16.3	7,085 8,066			707 662
	91,570 97,610		16.3	8,066 8,654	8.8	99,825	
2008 2009	87,619 78,200	14,675 11,218	15.7 13.7	8,654 7,750	9.9	93,640	615 532
2009	78,299 82,968	11,216	13.7	7,750 8,781	9.9 10.6	81,767 85,331	552 551
		10,670			11.4		534
2011	82,003	10,070	12.8	9,331	11.4	83,342	55 4

^aExcludes hardboard, wet machine board, and construction grades.

bNumbers are the sum of Table 44 & Table 45.

^cExcludes converted products.

Table 44—Paper shipments, imports, exports, and consumption, 1965–2011^a

		•	•		•	Consi	umption
	Shipments ^{b,c}	Impo	rts ^{b,c,d}	Expo	orts ^{b,c}	Total ^e	
	Thousand	Thousand	Consumption	Thousand	Production	Thousand	Per capita ^g
Year	tons	tons	(%)	tons	(%)	tons	Pounds
1965	19,157	6,528	25.9	491	2.6	25,194	259
1966	20,725	7,128	26.1	530	2.6	27,323	278
1967	20,926	6,805	25.0	501	2.4	27,230	274
1968	22,181	6,625	23.4	529	2.4	28,277	282
1969	23,449	7,040	23.5	517	2.2	29,972	296
1970	23,351	6,835	23.1	534	2.3	29,652	289
1971	23,722	6,915	23.0	550	2.3	30,087	290
1972	25,359	7,237	22.6	559	2.2	32,037	305
1973	26,797	7,832	23.0	601	2.2	34,028	321
1974	26,863	8,094	23.8	909	3.4	34,049	318
1975	23,260	5,953	21.1	947	4.1	28,266	262
1976	26,577	6,866	21.1	928	3.5	32,515	298
1977	27,722	7,162	21.0	716	2.6	34,168	310
1978	28,320	8,211	22.8	543	1.9	35,988	323
1979	29,666	8,380	22.4	601	2.0	37,445	333
1980	30,116	7,915	21.3	907	3.0	37,124	326
1981	30,901	7,649	20.4	1,008	3.3	37,542	326
1982	30,245	7,206	19.7	840	2.8	36,611	315
1983	32,802	8,189	20.4	774	2.4	40,217	343
1984	34,446	9,905	22.7	811	2.4	43,540	369
1985	34,061	10,260	23.6	779	2.3	43,542	365
1986	35,550	10,641	23.5	884	2.5	45,307	376
1987	36,919	11,494	24.2	921	2.5	47,492	391
1988	38,353	11,843	24.1	1,102	2.9	49,094	401
1989	38,266	11,494	23.8	1,466	3.8	48,295	391
1990	39,361	11,569	23.4	1,519	3.9	49,411	395
1991	39,084	10,313	21.8	2,072	5.3	47,325	375
1992	40,973	10,787	22.0	2,635	6.4	49,125	385
1993	41,745	11,905	23.3	2,587	6.2	51,063	396
1994	43,356	12,384	23.5	2,980	6.9	52,760	405
1995	42,868	12,820	24.3	3,011	7.0	52,677	401
1996	42,481	11,694	23.1	3,500	8.2	50,676	382
1997	44,697	13,016	24.1	3,599	8.1	54,114	404
1998	44,761	13,905	25.1	3,288	7.3	55,378	410
1999 ^r	45,979	14,707	25.7	3,405	7.4	57,281	419
2000	45,519	15,373	26.9	3,767	8.3	57,125	405
2001r	42,104	14,502	27.3	3,389	8.0	53,217	374
2002r	41,510	14,502	27.4	3,111	7.5	52,901	368
2003 ^r	40,367	16,224	30.3	3,107	7.7	53,484	367
2004	41,814	16,938	30.6	3,464	8.3	55,288	376
2005	41,321	15,995	29.9	3,739	9.0	53,578	361
2006	41,380	15,648	29.3	3,690	8.9	53,338	368
2007	41,170	14,408	28.1	4,346	10.6	51,231	340
2008	39,955	12,892	26.8	4,716	11.8	48,132	316
2009	33,808	9,671	24.6	4,216	12.5	39,263	256
2010	35,508	9,284	23.2	4,700	13.2	40,092	259
2011	34,344	8,887	23.1	4,782	13.9	38,449	246

^aExcludes building paper and converted products.

 $\ \, \text{Data for 1998 obtained from the Canadian Pulp \& Paper Association (CPPA), in Ottawa by fax communication. } \\$

^bAmerican Forest & Paper Association (5).

^cAmerican Forest & Paper Association (3).

^dThis import series incorporates data on Canadian exports of newsprint and uncoated groundwood to the United States rather than U.S. Department of Commerce import data for these commodities.

^eConsumption = Production + Imports – Exports.

^gBased upon population data given in Table 1.

Revised.

Table 45—Paperboard^a production, b imports, exports, and consumption, 1965–2011

						Consu	ımption
	Production ^{c,d}	Impo	orts ^{c,d}	Expo	orts ^{c,d,e}	Total ^h	
	Thousand	Thousand	Consumption	Thousand	Production	Thousand	Per capita ⁹
Year	tons	tons	(%)	tons	(%)	tons	Pounds
1965	21,332	8	0.0	1,039	4.9	20,301	209
1966	23,179	50	0.2	1,166	5.0	22,063	224
1967	22,819	13	0.1	1,334	5.8	21,498	216
1968	24,904	18	0.1	1,596	6.4	23,326	232
1969	26,376	11	0.0	1,860	7.1	24,527	242
1970	25,368	10	0.0	1,899	7.5	23,479	229
1971	26,019	17	0.1	2,115	8.1	23,921	230
1972	28,483	8	0.0	2,231	7.8	26,260	250
1973	29,549	33	0.1	2,015	6.8	27,567	260
1974	28,894	34	0.1	2,149	7.4	26,779	250
1975	24,736	8	0.0	1,453	5.9	23,291	216
1976	28,416	13	0.0	1,709	6.0	26,720	245
1977	28,935	28	0.1	1,830	6.3	27,133	246
1978	30,251	100	0.4	2,040	6.7	28,311	254
1979	31,404	82	0.3	2,263	7.2	29,223	260
1980	30,926	98	0.4	3,334	10.8	27,690	243
1981	31,208	130	0.5	2,622	8.4	28,716	250
1982	29,045	115	0.4	2,654	9.1	26,506	228
1983	32,146	168	0.6	3,012	9.4	29,302	250
1984	34,002	243	0.8	2,731	8.0	31,514	267
1985	32,922	184	0.6	2,511	7.6	30,595	257
1986	35,355	281	0.9	3,088	8.7	32,548	270
1987	37,442	361	1.0	3,190	8.5	34,613	285
1988	38,234	341	1.0	3,137	8.2	35,438	289
1989	38,519	533	1.5	3,247	8.4	35,805	290
1990	39,318	626	1.7	3,644	9.3	36,300	291
1991	40,343	773	2.1	4,363	10.8	36,753	291
1992	41,895	944	2.5	4,386	10.5	38,453	301
1993	43,113	1,085	2.7	4,248	9.9	39,950	310
1994	45,724	1,267	3.0	4,556	10.0	42,435	326
1995	46,641	1,418	3.3	4,610	9.9	43,449	330
1996	47,900	1,329	3.0	5,618	11.7	43,611	329
1997	50,332	1,497	3.3	6,768	13.4	45,061	336
1998	49,749	1,666	3.7	5,815	11.7	45,600	337
1999 ^r	51,041	1,971	4.1	5,419	10.6	47,593	348
2000	48,972	1,983	4.3	4,934	10.1	46,021	326
2001	46,809	1,948	4.4	4,670	10.0	44,087	310
2002	48,126	2,065	4.7	5,865	12.2	44,326	308
2003	48,018	1,884	4.0	3,131	6.5	46,771	321
2004	50,085	2,098	4.3	3,278	6.5	48,905	333
2004	49,710	1,963	4.1	3,387	6.8	48,287	326
2006	50,420	2,076	4.2	3,395	6.7	49,101	339
2007	50,400	1,913	3.9	3,719	7.4	48,594	322
2007	48,591	1,783	3.8	3,719	8.1	46,435	305
2008	44,491	1,763	3.6	3,534	7.9	42,504	277
2010	47,460	1,860	4.1	4,081	8.6	45,239	292
2010	47,460 47,659	1,783	4.0	4,549	9.5	44,893	288
2011	41,008	1,700	4.0	4,048	შ.	44 ,033	200

^aDoes not include wet machine board, hard pressed board, nor insulation board. Does not include converted products.

^bBy end use.

^cAmerican Forest & Paper Association (5).

^dAmerican Forest & Paper Association (3).

^eThis export series represents production for export; numbers may differ from exports reported by U.S. Department of Commerce.

⁹Based upon population data given in Table 1.

^hConsumption = Production + Imports – Exports.

rRevised.

Table 46—Paper and board production and fibrous materials consumed in the manufacture of paper and board, 1965–2011

	Paper and board ^a		Consumption	of fibrous materials	6		Consumption of fer ton of paper an			Recovered paper
	production ^{b,e}	Total	Wood pulp ^c	Recovered Paper	d Other ^e	•		Recovered		utilization
	Thousand	Thousand	Thousand	Thousand	Thousand	Total	Wood pulp	paper ^g	Other	rate
Year	tons	tons	tons	Tons	tons	Tons	Tons	Tons	Tons	Percent ^h
1965	40,489	46,838	35,728	10,231	879	1.157	0.882	0.253	0.022	25.3
1966	43,904	49,958	38,414	10,564	980	1.137	0.875	0.233	0.022	24.1
1967	43,745	48,846	38,122	9,888	836	1.136	0.873	0.241	0.022	22.6
1968	47,085	53,635	42,508	10,222	905	1.117	0.903	0.220	0.019	21.7
1969	49,824	57,597	44,750	11,969	878	1.156	0.898	0.217	0.019	24.0
1970	48,719	56,595	43,964	11,803	828	1.162	0.902	0.240	0.017	24.2
1971	49,741	58,224	45,243	12,106	875	1.171	0.910	0.242	0.017	24.3
1972	53,842	62,059	48,242	12,925	892	1.153	0.896	0.240	0.017	24.0
1973	56,346	64,953	49,976	14,094	883	1.153	0.887	0.240	0.017	25.0
1974	55,756	64,490	49,670	13,982	838	1.157	0.891	0.250	0.015	25.1
1975	47,997	55,970	43,597	11,748	625	1.166	0.908	0.231	0.013	24.5
1975	54,993	63,294	48,930	13,622	742	1.151	0.890	0.245	0.013	24.5
1977	56,656	65,240	50,356	14,058	826	1.151	0.889	0.248	0.015	24.8
	58,571	67,059	50,356	14,760		1.132				
1978	61,070	67,059 68,648	,	,	854 727	1.145	0.878 0.861	0.252 0.252	0.015 0.012	25.2 25.2
1979 1980	,	,	52,560	15,361 14,922	602				0.012	
	61,042	68,727	53,203	,		1.126	0.872	0.244		24.4
1981	62,109	68,828	53,199	15,037	592	1.108	0.857	0.242	0.010	24.2
1982	59,290	66,611	51,729	14,433	449	1.123	0.872	0.243	0.008	24.3
1983	64,947	70,573	54,504	15,638	431	1.087	0.839	0.241	0.007	24.1
1984	68,449	75,732	58,643	16,724	365	1.106	0.857	0.244	0.005	24.4
1985	66,983	71,482	54,816	16,371	295	1.067	0.818	0.244	0.004	24.4
1986	70,905	75,368	57,121	17,934	313	1.063	0.806	0.253	0.004	25.3
1987	74,361	78,522	59,508	18,694	320	1.056	0.800	0.251	0.004	25.1
1988	76,587	80,730	60,668	19,685	377	1.054	0.792	0.257	0.005	25.7
1989	76,786	81,772	61,234	20,220	318	1.065	0.797	0.263	0.004	26.3
1990	78,679	84,040	62,036	21,736	268	1.068	0.788	0.276	0.003	27.6
1991	79,427	86,143	62,294	23,662	187	1.085	0.784	0.298	0.002	29.8
1992	82,868	89,507	63,145	26,185	177	1.080	0.762	0.316	0.002	31.6
1993	84,857	91,471	63,227	28,011	233	1.078	0.745	0.330	0.003	33.0
1994	89,080	95,771	64,842	30,670	259	1.075	0.728	0.344	0.003	34.4
1995	89,509	96,529	64,811	31,389	329	1.078	0.724	0.351	0.004	35.1
1996	90,381	98,410	64,025	33,979	406	1.089	0.708	0.376	0.004	37.6
1997	95,029	101,591	66,057	35,209	298	1.069	0.695	0.371	0.003	37.1
1998 ^r	94,510	101,218	65,122	35,771	249	1.071	0.689	0.378	0.003	37.8
1999 ^r	97,020	100,690	63,638	36,727	255	1.038	0.656	0.379	0.003	37.9
2000	94,491	99,348	63,576	35,447	254	1.051	0.673	0.375	0.003	37.5
2001 ^r	88.913	94,232	59,380	34,527	268	1.060	0.668	0.388	0.003	38.8
2002	89,636	93,967	59,063	34,579	261	1.048	0.659	0.386	0.003	38.6
2002	88,385	92,478	58,503	33,650	236	1.046	0.662	0.381	0.003	38.1
2003	91,899	92,478 94,627	58,503 59,566	33,650 34,736	230 212	1.046	0.662	0.381	0.003	37.8
2004	91,099	94,827	60,616	33,950	206	1.030	0.666	0.378	0.002	37.3
	91,031	94,891 95,697	60,901	33,950 34,471	206	1.042	0.663	0.373	0.002	37.3 37.6
2006										
2007	91,570	89,841	55,598	33,918	215	0.981	0.607	0.370	0.002	37.0
2008	87,619	84,104	51,381	32,398	215	0.960	0.586	0.370	0.002	37.0
2009	78,299	75,838	46,464	29,049	172	0.969	0.593	0.371	0.002	37.1
2010	82,960	77,275	45,613	31,337	176	0.931	0.550	0.378	0.002	37.8
2011	82,003	75,802	45,184	30,293	179	0.924	0.551	0.369	0.002	36.9

^aExcludes wet machine board and construction grades.

^bProduction numbers = totals in Table 43. Source: see (e) below.

^cWood pulp consumption numbers from Table 49.

^dWastepaper consumption numbers from Table 47 (1985-1999 numbers were revised on Table 47).

^eAmerican Forest & Paper Association (5), American Forest & Paper Association, Paper Recycling Group (7)

⁹When given in percents, referred to as "Recovered Paper Utilization Rate".

Revised.

Table 47—Paper and board new supply and recyclable paper consumption, exports, imports, and total recovered, 1965–2011 $^{\rm a,b,c}$

imports, u	ina total recov	rereu, 1965–20		ecyclable pa	aper		
	Paper and	Consumed at	For molded				
	board—	paper and	pulp, insulation,			Total	Recovery
	new supply ^d	board mills	and other uses	Exports	Imports	recoverede	rate ^g
	Thousand	Thousand	Thousand	Thousand	=	Thousand	Percent
Year	tons	tons	tons	tons	tons	tons	
1965	48,270	10,231	z	292	108	Z	Z
1966	52,118	10,564	Z	246	113	Z	Z
1967	51,435	9,888	Z	262	86	Z	Z
1968	54,351	10,222	Z	253	93	Z	Z
1969	57,423	11,969	z	289	75	Z	Z
1970	55,969	11,803	418	408	67	12,562	22.4
1971	57,450	12,106	442	419	68	12,899	22.4
1972	62,040	12,925	447	415	88	13,699	22.1
1973	65,004	14,094	499	683	87	15,189	23.4
1974	63,308	13,982	489	1,307	89	15,689	24.8
1975	54,113	11,748	535	861	72	13,072	24.2
1976	62,014	13,622	630	1,273	106	15,419	24.9
1977 1978	64,243 67,787	14,058 14,760	870 502	1,512 1,613	92 70	16,348 16,805	25.4 24.8
1979	69,796	15,361	509	2,127	70 78	17,919	25.7
1980	67,166	14,922	472	2,636	87	17,919	26.7
1981	67,957	15,037	480	2,030	79	17,720	26.1
1982	64,730	14,433	487	2,233	74	17,720	26.4
1983	71,166	15,638	474	2,705	100	18,727	26.3
1984	76,937	16,724	459	3,456	110	20,530	26.7
1985 ^r	76,133	16,371	529	3,556	88	20,369	26.8
1986 ^r	79,752	17,934	594	4,093	99	22,521	28.2
1987 ^r	83,484	18,694	657	4,809	127	24,033	28.8
1988 ^r	85,720	19,685	703	5,953	161	26,179	30.5
1989 ^r	85,370	20,220	722	6,307	173	27,077	31.7
1990 ^r	86,901	21,736	994	6,505	123	29,112	33.5
1991 ^r	85,145	23,662	1,063	6,598	122	31,201	36.6
1991 1992							
1992 1993 ^r	88,369	26,185	1,137	6,782	150	33,955	38.4
	91,639	28,011	1,216	6,371	138	35,460	38.7
1994 ^r	95,717	30,670	1,300	7,974	253	39,691	41.5
1995 ^r	95,971	31,389	1,390	9,908	498	42,189	44.0
1996 ^r	94,529	33,979	1,487	8,084	474	43,077	45.6
1997 ^r	99,556	35,209	1,590	7,882	693	43,989	44.2
1998 ^r	101,183	35,771	1,700	8,117	511	45,077	44.6
1999 ^r	105,316	36,727	2,000	8,517	426	46,818	44.5
2000	102,811	35,447	2,200	10,272	608	47,311	46.0
2001	97,395	34,527	2,200	10,597	328	46,996	48.3
2002	98,949	34,579	2,200	11,267	411	47,635	48.1
2003 2004	98,016	33,650	2,200	13,805	399 558	49,256	50.3 49.5
2004	101,882 99,613	34,736 33,950	2,200 2,000	13,910 15,868	558 545	50,288 51,272	49.5 51.5
2005	100,665	33,950 34,471	1,825	17,501	483	53,314	53.0
2007	97,007	33,918	1,285	19,886	764	54,325	56.0
2007	89,838	32,398	745	19,469	789	51,822	57.7
2009	78,710	29,049	300	21,017	331	50,036	63.4
2010	81,784	31,337	300	20,692	784	51,545	63.5
2011	79,444	30,293	300	23,197	1,005	52,767	66.8

^aIncludes paper, paperboard, wet machine board, and construction paper and board.

^bAmerican Forest & Paper Association (7).

^cData may not add to totals because of rounding.

^dProduction plus imports less exports. Includes imports and exports of products.

^eTotal recovered paper = total recyclable paper consumption plus exports less imports.

⁹Recovery rate is the ratio of total recovered paper collected to new supply of paper and paperboard.

Revised.

^zNot available.

Table 48—Recovered paper consumption, by major grade, in paper and paperboard manufacture^a, 1970–2011 (thousand short tons)^b

manurac	Recovered paper consumption							
		Old	Old	Pulp	High grade	Total	recovery	
Year	Mixed grades	newspapers	corrugated	substitutes ^c	deinking	all grades	rate (%) ^{d,r}	
1970	2,639.0	2,235.0	4,080.0	3,067.0	z	12,021.0	22.4	
1971	2,776.0	2,174.0	4,277.0	3,096.0	Z	12,323.0	22.4	
1972	3,054.0	2,317.0	4,722.0	3,039.0	Z	13,132.0	22.1	
1973	3,371.0	2,456.0	5,292.0	3,199.0	Z	14,318.0	23.4	
1974	3,118.0	2,408.0	5,716.0	2,954.0	Z	14,196.0	24.8	
1975	2,606.0	2,040.0	4,743.0	2,594.0	Z	11,983.0	24.2	
1976	2,798.0	2,278.0	5,696.0	2,117.0	933.0	13,822.0	24.9	
1977	2,773.0	2,287.0	6,205.0	2,079.0	944.0	14,288.0	25.4	
1978	2,729.0	2,212.0	6,721.0	2,242.0	1,068.0	14,972.0	24.8	
1979	2,648.0	2,480.0	6,967.0	2,308.0	1,117.0	15,520.0	25.7	
1980 1981	2,268.0 2,233.0	2,564.0	6,866.0	2,254.0	1,142.0 1,215.0	15,094.0	26.7 26.1	
1981	2,233.0 1,707.0	2,552.0 2,673.0	6,910.0 6,770.0	2,307.0 2,247.0	1,213.0	15,217.0 14,620.0	26.4	
1983	1,908.0	2,692.0	7,443.0	2,456.0	1,323.0	15,822.0	26.3	
1984	1,974.5	2,894.8	7,971.7	2,673.4	1,368.6	16,883.0	26.7	
1985	1,901.5	2,875.0	7,899.5	2,493.7	1,380.4	16,550.1	26.8	
1986	2,044.5	3,117.8	8,633.6	2,761.5	1,570.3	18,127.7	28.2	
1987	2,116.0	3,142.6	9,176.7	2,902.2	1,563.5	18,901.0	28.8	
1988	2,182.2	3,215.6	9,909.1	2,889.5	1,691.1	19,887.5	30.5	
1989	2,355.8	3,638.1	9,993.5	2,642.4	1,812.4	20,442.2	31.7	
1990	2,504.9	4,084.5	10,686.5	2,731.8	1,999.8	22,007.5	33.5	
1991	2,890.6	4,572.4	11,247.0	2,988.5	2,239.5	23,938.0	36.6	
1992	3,463.8	4,816.9	12,532.3	2,997.7	2,669.1	26,479.8	38.4	
1993	4,110.1	5,000.3	13,566.8	2,802.1	2,856.8	28,336.1	38.7	
1994 1995	4,786.0 4,529.4	5,368.0 5,157.3	15,009.6 16,513.5	2,696.0 2,459.1	3,090.0 3,004.0	30,949.6 31,663.3	41.5 44.0	
1996	4,801.7	5,137.3	18,733.3	2,439.1	3,039.9	34,242.1	44.0 45.6	
1997	4,698.6	5,561.5	19,640.8	2,640.3	2,954.6	35,495.8	44.2	
1998	5,440.8	5,611.3	19,530.1	2,341.8	3,147.8	36,071.8	44.6	
1999 ^r	5,592.1	5,539.9	20,457.8	2,431.7	3,003.2	37,024.7	44.5	
2000	4,948.0	5,809.0	19,968.0	1,890.0	3,129.0	35,744.0	46.0	
2001	4,800.0	6,077.0	19,348.0	1,845.0	2,750.0	34,820.0	48.3	
2002	4,877.0	5,957.0	19,627.0	1,705.0	2,695.0	34,861.0	48.1	
2003	4,591.0	5,756.0	19,294.0	1,818.0	2,473.0	33,932.0	50.3	
2004	4,976.0	5,867.0	19,926.0	1,701.0	2,537.0	35,007.0	49.5	
2005	4,519.0	5,700.0	20,024.0	1,438.0	2,523.0	34,204.0	51.5	
2006 2007	4,690.0 4,481.0	5,807.0 5,272.0	19,967.0 20,159.0	1,541.0 1,487.0	2,721.0	34,726.0 34,174.0	53.0 56.0	
2007	4,461.0 4,564.0	5,272.0 4,850.0	19,161.0	1,487.0 1,359.0	2,775.0 2,721.0	32,655.0	56.0 57.7	
2008	4,150.0	3,826.0	17,415.0	1,218.0	2,721.0	29,268.0	56.0	
2010	4,371.0	3,886.0	19,327.0	1,260.0	2,708.0	31,552.0	56.0	
2011	3,950.0	3,441.0	19,339.0	1,204.0	2,574.0	30,508.0	56.0	

^aIncludes paper, paperboard, construction grades and molded pulp grades.

^bAmerican Forest and Paper Association (7).

^cFor years 1972–1975, high grade deinking is included with pulp substitutes.

^dRecovery rate is the ratio of total recovered paper collected to new supply of paper and paperboard.

^rRevised (1985–1999 Total recovery on Table 47).

^zNot available separately; included with pulp substitutes.

Table 49—Wood pulp production, imports, exports, and consumption, 1965–2011 a

				<u> </u>	Consu	mption ^c	
	Production ^{b,d}	Imi	oorts ^d	Exp	orts ^d	Total	'
	Thousand	Thousand	Consumption	Thousand	Production	Thousand	Per capita ^d
Year	tons	tons	(%)	tons	(%)	tons	Pounds
1965	33,993	3,137	8.8	1,402	4.1	35,728	368
1966	36,603	3,358	8.7	1,547	4.2	38,414	391
1967	36,677	3,166	8.3	1,721	4.7	38,122	384
1968	40,892	3,532	8.3	1,916	4.7	42,508	424
1969	42,813	4,040	9.0	2,103	4.9	44,750	442
1970	43,546	3,513	8.0	3,095	7.1	43,964	429
1971	43,903	3,515	7.8	2,175	5.0	45,243	436
1972	46,767	3,728	7.7	2,253	4.8	48,242	460
1973	48,327	3,993	8.0	2,344	4.9	49,976	472
1974	48,349	4,123	8.3	2,802	5.8	49,670	464
1975	43,084	3,078	7.1	2,565	6.0	43,597	404
1976	47,721	3,727	7.6	2,518	5.3	48,930	449
1977	49,132	3,864	7.7	2,640	5.4	50,356	457
1978	50,020	4,024	7.8	2,599	5.2	51,445	462
1979	51,177	4,318	8.2	2,935	5.7	52,560	467
1980	52,958	4,051	7.6	3,806	7.2	53,203	467
1981	52,790	4,087	7.7	3,678	7.0	53,199	463
1982	51,468	3,656	7.1	3,395	6.6	51,729	446
1983	54,055	4,093	7.5	3,644	6.7	54,504	465
1984	57,747	4,490	7.7	3,594	6.2	58,643	496
1985	54,145	4,466	8.1	3,795	7.0	54,816	460
1986	56,997	4,582	8.0	4,458	7.8	57,121	475
1987	59,547	4,850	8.2	4,889	8.2	59,508	490
1988	61,158	5,038	8.3	5,528	9.0	60,668	495
1989	61,996	5,004	8.2	5,766	9.3	61,234	495
1990	63,048	4,893	7.9	5,905	9.4	62,036	496
1991	63,635	4,997	8.0	6,338	10.0	62,294	493
1992	65,338	5,029	8.0	7,222	11.1	63,145	494
1993	64,313	5,413	8.6	6,499	10.1	63,227	490
1994	65,920	5,650	8.7	6,728	10.2	64,842	497
1995	67,103	5,969	9.2	8,261	12.3	64,811	493
1996	65,503	5,692	8.9	7,170	10.9	64,025	482
1997	66,650	6,398	9.7	6,990	10.5	66,057	493
1998	65,163	5,984	9.2	6,025	9.2	65,122	482
1999 ^r	62,914	6,660	10.5	5,936	9.4	63,638	466
2000	62,758	7,227	11.4	6,409	10.2	63,576	451
2001	58,198	7,348	12.4	6,167	10.6	59,380	417
2002	58,069	7,247	12.3	6,254	10.8	59,063	411
2003	57,659	6,691	11.4	5,847	10.1	58,503	402
2004	59,065	6,726	11.3	6,225	10.5	59,566	405
2005	60,267	6,762	11.2	6,413	10.6	60,616	409
2006	60,568	6,939	11.4	6,606	10.9	60,901	420
2007	58,932	6,793	11.5	6,831	11.6	58,894	390
2008	56,745	6,272	11.4	7,790	13.7	55,227	363
2009	52,122	5,044	10	7,519	14.4	49,647	323
2010	54,353	6,163	11.8	8,265	15.2	52,251	337
2011	55,138	6,117	11.7	9,068	16.4	52,187	335

^aIncludes dissolving and special alpha pulps, excludes defibrated/exploded pulps and screenings.

^bU.S. Department of Commerce, Bureau of the Census (67,71,72); United Nations,

Food and Agriculture Organization (41); American Forest and Paper Association (2,4,5,6).

^cConsumption = Production + Imports – Exports.

^dBased on U.S. population data given in Table 1.

^rRevised.

Table 50—Pulpwood consumed in the manufacture of wood pulp, 1965–2011^a

Pulpwood consumption ^b								
	Pulpwood co		-					
		Per ton of	Wood pulp					
	Total	pulp produced	production					
Year	Thousand cords	Cords	Thousand tons					
1965	54,034	1.59	33,993					
1966	57,399	1.57	36,603					
1967	58,419	1.59	36,677					
1968	60,969	1.49	40,892					
1969	64,577	1.51	42,813					
1970	66,732	1.53	43,546					
1971	66,601	1.52	43,903					
1972	68,068	1.46	46,767					
1973	71,421	1.48	48,327					
1974	75,787	1.57	48,349					
1975	63,941	1.48	43,084					
1976	71,094	1.49	47,721					
1977	72,952	1.48	49,132					
1978	75,073	1.50	50,020					
1979	78,680	1.54	51,177					
1980	81,921	1.55	52,958					
1981	81,003	1.53	52,790					
1982	76,912	1.49	51,468					
1983	84,504	1.56	54,055					
1984	86,282	1.49	57,747					
1985	85,380	1.58	54,145					
1986	91,187	1.60	56,997					
1987	93,005	1.56	59,547					
1988	93,000	1.52	61,158					
1989	92,615	1.49	61,996					
1990	92,561	1.49	63,048					
1991	91,925	1.44	•					
	•	1.43	63,635					
1992	93,642		65,338					
1993	90,996	1.41	64,313					
1994	93,259	1.41	65,920					
1995	93,013	1.39	67,103					
1996	88,246	1.35	65,503					
1997	92,312	1.39	66,650					
1998	90,591	1.39	65,163					
1999	86,969	1.38	62,914					
2000	87,453	1.39	62,758					
2001	83,384	1.43	58,198					
2002	82,715	1.42	58,069					
2003	85,001	1.47	57,659					
2004	86,903	1.47	59,065					
2005	86,284	1.43	60,267					
2006	84,883	1.40	60,568					
2007	80,696	1.45	55,636					
2008	74,039	1.40	52,899					
2009	72,321	1.48	48,939					
2010	79,334	1.66	47,715					
2011	81,421	1.69	48,135					

^aU.S. Department of Commerce, Bureau of the Census (68); American Forest and Paper Association (3,5,6); American Pulpwood Association (10). Data may not add to totals because of rounding.

^bIncludes changes in inventories.

Table 51—Producer price indexes for paper, board, and wood pulp, 1965–2011 (1997 = 100) a

		Pulp, paper, and allied products Paper Paperboal		rhoard		g paper board	Woo	d pulp		
Year _	Actual	Relative ^b	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative
1965	19.8	78.3	22.9	90.7	27.5	108.6	32.3	127.7	20.5	81.1
1966	20.4	78.3	23.7	90.9	27.7	106.0	32.3	123.9	20.5	78.6
1967	20.4	78.7	24.3	92.9	27.1	103.6	32.1	122.5	20.5	78.4
1968	20.9	77.8	24.7	92.3	26.0	97.0	32.3	120.6	20.5	76.4
1969	21.5	76.9	25.6	91.8	26.9	96.5	33.9	121.5	20.5	73.6
1970	22.3	77.2	27.0	93.3	27.4	94.7	32.4	112.1	22.5	77.7
1971	22.7	75.9	27.7	92.9	27.8	93.0	33.0	110.4	23.0	77.2
1972	23.5	75.2	28.3	90.6	28.6	91.7	34.1	109.3	22.9	73.3
1973	25.2	71.4	29.5	83.5	31.2	88.5	36.2	103.6	26.3	74.6
1974	31.3	74.7	36.1	86.2	41.2	98.3	39.6	94.4	44.8	106.8
1975	35.1	76.8	42.0	91.9	46.1	100.8	40.8	89.1	58.2	127.2
1976	37.0	77.3	44.3	92.4	47.7	99.7	44.5	92.8	58.8	122.7
1977	38.5	75.7	47.2	92.8	47.7	93.8	50.3	99.0	57.7	113.5
1978	40.3	73.6	50.1	91.4	48.7	89.0	60.1	109.7	54.8	100.0
1979	45.3	73.4	55.8	90.5	54.8	88.8	58.5	94.9	64.6	104.7
1980	51.4	73.0	62.4	88.7	63.6	90.4	66.1	94.0	78.1	110.9
1981	56.5	73.6	68.0	88.5	69.9	91.0	74.3	96.8	81.6	106.3
1982	59.6	76.1	69.5	88.7	69.1	88.2	76.8	98.0	77.9	99.4
1983	61.5	77.5	68.5	86.3	68.0	85.6	80.2	101.0	71.3	89.8
1984	65.8	80.9	73.6	90.5	76.2	93.8	83.1	102.3	81.6	100.4
1985	67.5	83.5	73.7	91.2	74.4	92.0	82.5	102.0	71.2	88.0
1986	69.2	88.2	74.4	94.8	73.6	93.8	83.6	106.4	73.7	93.8
1987	72.6	90.1	77.6	96.3	81.6	101.3	85.4	106.0	86.8	107.8
1988	77.7	92.8	85.7	102.3	92.0	109.8	87.0	103.8	106.4	127.0
1989	82.1	93.4	90.2	102.5	96.8	110.0	88.8	101.0	122.6	139.4
1990	84.1	92.3	89.6	98.3	93.8	102.9	86.2	94.5	117.8	129.3
1991	85.1	93.3	88.3	96.7	90.0	98.5	85.9	94.1	92.8	101.7
1992	86.5	94.2	85.6	93.2	92.9	101.1	91.9	100.0	93.3	101.6
1993	87.7	94.2	86.1	92.4	89.8	96.4	102.0	109.4	81.2	87.1
1994	90.9	96.3	87.5	92.7	96.8	102.6	110.8	117.4	90.7	96.1
1995	102.6	105.0	110.6	113.2	126.5	129.4	111.3	113.9	142.6	145.9
1996	100.6	100.5	104.0	103.9	107.8	107.7	105.3	105.2	104.2	104.1
1997	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1998	101.8	104.4	101.6	104.2	104.9	107.6	101.9	104.5	95.5	97.9
1999	103.8	105.5	98.6	100.2	105.8	107.6	108.7	110.6	93.2	94.8
2000	109.5	105.3	104.2	100.2	122.1	117.4	106.6	102.5	113.1	108.8
2001	110.2	104.8	104.8	99.6	118.9	113.1	99.3	94.4	98.0	93.1
2002	110.9	107.9	100.8	98.1	113.7	110.6	94.6	92.0	90.6	88.1
2003	113.3	104.7	101.6	93.9	112.4	103.9	116.7	107.8	94.5	87.3
2004	116.7	101.5	103.9	90.4	117.6	102.3	140.4	122.1	102.9	89.5
2005	120.8	97.9	111.0	90.0	121.3	98.3	134.9	109.4	107.5	87.1
2006	125.1	96.9	116.4	90.2	132.7	102.7	126.2	97.7	112.2	86.9
2007	129.3	95.4	117.8	86.9	139.4	102.8	113.2	83.6	125.8	92.8
2008	135.2	91.0	128.2	86.3	150.5	101.3	119.6	80.5	133.5	89.8
2009	134.5	99.3	124.9	92.2	143.2	105.6	114.2	84.3	117.0	86.3
2010	141.2	97.6	126.7	87.5	155.4	107.3	122.9	84.9	144.8	100.1
2011	146.1	92.8	112.8	71.6	147.5	93.6	98.4	62.4	125.2	79.5

^aU.S. Department of Labor, Bureau of Labor Statistics (77,78).

^bDerived by dividing the actual price index by the all commodities price index.

Table 52—Producer price indexes for wastepaper, by grade, 1965–2012 (1997 = 100)^a

	Wast	epaper	News	spaper	Mixed	papers	Corri	ugated	High	grades ^b	Exports (all grades)
Year	Actual	Relative ^c	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative	Actual	Relative
1965	63.5	196.541	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
1966	67.0	201.3	z	z	z	z	z	z	z	z	z	z
1967	49.9	149.321	126.6	378.981	67.7	202.789	42.5	127.182	z	z	z	Z
1968	64.8	189.577	173.6	507.663	103.3	302.051	54.6	159.694	z	Z	Z	Z
1969	69.1	194.231	155.7	437.267	114.0	320.087	59.7	167.579	z	z	z	z
1970	62.4	169.062	136.8	370.76	88.2	238.967	57.6	156.116	z	z	z	z
1971	55.9	146.653	130.6	342.761	83.1	218.024	47.4	124.504	z	z	z	z
1972	66.6	167.363	151.0	379.279	105.1	264.1	55.9	140.446	z	z	z	Z
1972	98.4	218.653	173.7	386.047	156.2	347.178	95.0	211.016	z	Z	Z	Z
	132.5	247.589	255.3	477.132	224.0	418.62	106.9	199.856	z	z	z	z
1974									z	z	z	z
1975	54.9	94.084	141.5	242.337	70.1	119.991	38.2	65.4197	z	z	z	z
1976	92.1	150.8	252.7	413.516	105.9	173.253	83.2	136.109	z	z	z	z
1977	93.4	143.924	265.3	408.776	118.0	181.815	79.2	122.081	z	z	z	z
1978	95.4	136.41	253.8	363.035	151.7	216.954	85.9	122.886		z	z	z
1979	103.0	130.932	192.2	244.189	138.3	175.78	118.4	150.414	z			
1980	104.1	115.877	212.0	236.12	150.1	167.097	81.6	90.8952	Z	Z	Z	Z
1981	87.7	89.4474	Z	Z	Z	Z	z	Z	z	Z	z	Z
1982	60.4	60.4	91.3	91.3	51.3	51.3	40.2	40.2	Z	Z	Z	Z
1983	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
1984	119.8	115.5	244.4	235.7	165.7	159.8	127.7	123.1	z	Z	Z	Z
1985	74.3	72.0	189.9	184.0	140.9	136.5	62.3	60.4	z	Z	Z	Z
1986	86.1	86.0	174.6	174.3	123.5	123.3	95.6	95.5	z	z	z	Z
1987	109.6	106.6	222.7	216.6	146.5	142.5	125.9	122.5	112.1	109.1	112.4	109.4
1988	110.9	103.7	219.0	204.8	161.6	151.1	100.7	94.2	134.8	126.1	115.1	107.7
1989	94.9	84.6	113.5	101.2	110.4	98.4	72.5	64.6	139.3	124.1	101.7	90.6
1990	83.9	72.2	95.1	81.8	83.2	71.5	66.5	57.2	122.6	105.5	90.4	77.7
1991	73.4	63.0	93.1	79.9	61.3	52.7	66.3	56.9	99.0	85.0	80.6	69.2
1992	70.2	59.9	83.6	71.3	51.3	43.8	58.6	50.0	101.7	86.7	79.8	68.1
1993	70.9	59.6	92.1	77.4	86.4	72.6	57.2	48.1	97.6	82.1	74.4	62.6
1994	126.8 224.2	105.3	185.9	154.4	202.8	168.4	129.6	107.6	114.1	94.8	111.0	92.2
1995 1996	84.5	179.8 66.2	388.9 100.3	311.8 78.5	496.9 106.5	398.5 83.4	206.9 85.5	165.9 66.9	164.2 83.5	131.7 65.4	199.3 80.6	159.8 63.2
1997	100.0	78.4	100.5	78.4	100.5	78.4	100.0	78.4	100.0	78.4	100.0	78.4
1998	88.1	70.4	110.1	88.5	164.6	132.3	72.5	58.3	94.1	75.6	76.2	61.3
1999	110.9	88.4	151.5	120.7	381.5	304.0	81.9	65.2	102.3	81.5	104.0	82.8
2000	170.7	128.6	227.5	171.5	790.6	595.8	98.2	74.0	165.1	124.4	140.5	105.9
2001	89.8	66.9	140.8	104.9	195.7	145.8	53.4	39.8	103.5	77.1	78.8	58.7
2002	104.5	79.7	172.2	131.4	396.6	302.5	79.0	60.3	106.2	81.0	106.6	81.3
2003	119.2	86.3	189.7	137.3	537.2	389.0	80.7	58.4	87.8	63.6	90.3	65.4
2004	139.8	95.3	221.8	151.2	722.0	492.1	106.6	72.6	95.7	65.2	116.9	79.7
2005	162.0	102.9	199.1	126.5	338.8	215.3	147.2	93.5	95.4	60.6	110.2	70.0
2006	164.7	99.9	190.8	115.8	289.0	175.4	153.7	93.3	98.8	60.0	110.1	66.8
2007	258.6	149.6	255.8	147.9	421.6	243.8	239.3	138.4	137.5	79.5	176.6	102.2
2008	261.3	137.8	278.4	146.9	412.8	217.7	211.5	111.5	153.7	81.1	189.0	99.7
2009	166.3	96.2	167.6	96.9	209.1	120.9	112.0	64.8	94.6	54.7	151.3	87.5
2010	295.7	160.1	225.1	121.9	404.6	219.1	236.3	128.0	240.4	130.1	151.3	81.9
2011	338.5	168.4	291.8	145.2	430.0	214.0	262.7	130.7	183.0	91.0	284.9	141.8

^aU.S. Department of Labor, Bureau of Labor Statistics (77,78).

^bPulp substitutes and deinking; December 1986 = 100.

^cDerived by dividing the actual price index by the all commodities price index.

^zNot available

Table 53—Particleboard and medium-density fiberboard production, imports, exports, and consumption, 1965–2011 (3/4-in. basis)^a

		Production					
•			Medium-density			Cons	umption
	Total	Particleboard	fiberboard	Imports ^b	Exports	Total	
	Million	Million	Million	Million	Million	Million	Per capita
	square	square	square	square	square	square	Square
Year	feet	feet	feet	feet	feet	feet	feet
1965	828	753	75	4	C	832	4
					С		
1966	1,031	948	83 93	1 1	2	1,032	5
1967 1968	1,167 1,494	1,074 1,391	103	1	6	1,166 1,489	6 7
1969	1,494	1,682	114	12	14	1,469	9
1909	1,750	1,731	127	3	10	1,794	9
1971	2,500	2,359	141	8	20	2,488	12
1971	3,236	3,079	157	14	45	3,205	15
1973	3,634	3,460	174	17	43 77	3,574	17
1973	3,269	3,075	194	7	113	3,163	15
1975	2,718	2,503	215	, 16	84	2,650	12
1976	3,469	3,189	280	60	80	3,449	16
1977	4,010	3,569	441	158	63	4,105	19
1978	4,228	3,720	508	193	61	4,360	20
1979	3,883	3,376	507	221	84	4,020	18
1980	3,443	2,950	493	264	106	3,601	16
1981	3,385	2,869	516	254	117	3,522	15
1982	2,839	2,393	446	766	41	3,564	15
1983	3,613	3,009	604	994	47	4,560	19
1984	3,830	3,196	634	1,331	54	5,107	22
1985	4,016	3,331	685	1,335	59	5,292	22
1986	4,384	3,603	781	1,395	86	5,693	24
1987	4,605	3,706	899	1,550	113	6,042	25
1988	4,768	3,829	939	1,634	163	6,239	25
1989	4,828	3,858	970	425	333	4,920	20
1990	4,756	3,806	950	363	373	4,746	19
1991	4,730	3,772	958	293	369	4,654	18
1992	5,046	3,980	1,066	405	394	5,057	20
1993	5,402	4,241	1,161	572	318	5,656	22
1994	5,793	4,542	1,251	775	297	6,271	24
1995	5,307	4,200	1,107	840	319	5,828	22
1996	5,705	4,459	1,246	814	154	6,365	24
1997	5,916	4,531	1,385	963	188	6,691	25
1998	5,994	4,593	1,401	1,038	135	6,897	26
1999 ^r	6,229	4,816	1,413	1,221	135	7,315	27
2000	6,292	4,804	1,488	1,856	162	7,986	28
2001	5,480	4,096	1,384	1,936	192	7,224	25
2002	6,035	4,414	1,621	1,377	212	7,200	25
2003	5,592	3,984	1,608	1,574	194	6,972	24
2004	6,052	4,305	1,747	1,751	195	7,608	26
2005	5,951	4,111	1,840	1,571	199	7,322	25
2006	5,911	4,055	1,856	1,283	205	6,989	24
2007	5,432	3,543	1,889	1,241	328	6,345	21
2008	4,623	2,916	1,707	1,180	398	5,404	18
2009	3,865	2,194	1,671	1,144	338	4,671	15
2010	3,709	2,287	1,422	1,326	400	4,634	15
2011	3,750	2,290	1,460	1,333	407	4,676	15

^aComposite Panel Association (15); U.S. International Trade Commission (84);

U.S. Department of Agriculture, Foreign Agricultural Service (91).Data may not add to totals because of rounding.

^bMay contain significant volumes of waferboard and oriented strandboard products prior to 1989.

^cFewer than 500,000 ft².

Table 54—Insulating board^a production, imports, exports, and consumption, 1965–2011 (1/2-in. basis)^b

Consum	iption, 1905-	2011 (1/2-111	. Dasis)		
					mption
	Production	Imports ^c	Exports	Total	
	Million	Million	Million	Million	Per capita
Year	square feet	square feet	square feet	square feet	Square feet
1965	3,362	75	42	3,395	17
1966	3,079	67	48	3,098	16
1967	3,209	69	45	3,233	16
1968	3,476	94	45	3,525	18
1969	3,623	98	65	3,656	18
1970	3,194	103	51	3,246	16
1971	3,839	115	65	3,889	19
1972	3,918	121	66	3,973	19
1973	3,914	140	79	3,975	19
1974	3,282	72	102	3,252	15
1975	2,960	36	77	2,919	14
1976	3,407	45	77	3,375	15
1977	3,462	107	84	3,485	16
1978	3,437	139	106	3,470	16
1979	3,310	138	49	3,399	15
1980	2,780	100	62	2,818	12
1981	2,124	104	110	2,118	9
1982	1,790	118	67	1,841	8
1983	2,277	204	83	2,398	10
1984	2,545	286	89	2,742	12
1985	2,461	343	80	2,724	11
1986	2,194	338	117	2,415	10
1987	2,242	273	127	2,388	10
1988	2,340	320	203	2,457	10
1989	2,455	346	180	2,621	11
1990	2,365	290	175	2,480	10
1991	2,323	200	191	2,332	9
1992	2,363	310	215	2,458	10
1993	2,358	285	208	2,435	9
1994	2,335	305	170	2,470	9
1995	2,335	305	170	2,470	9
1996	2,335	305	170	2,470	9
1997	2,335	305	170	2,470	9
1998	2,335	305	170	2,470	9
1999	2,335	305	170	2,470	9
2000	2,335	305	170	2,470	9
2001	2,335	305	170	2,470	9
2002	2,335	305	170	2,470	9
2003	2,335	305	170	2,470	8
2004	2,335	305	170	2,470	8
2005	2,335	305	170	2,470	8
2006	2,335	305	170	2,470	9
2007	2,335	305	170	2,470	8
2008	2,335	305	170	2,470	8
2009	2,335	305	170	2,470	8
2010	2,335	305	170	2,470	8
2011	2,335	305	170	2,470	8

^aDensity equal to or less than 31 lb/ft³.

^bAmerican Forest and Paper Association (3,5); U.S. Department of Commerce, Bureau of the Census (67,71,72); Data may not add to totals because of rounding.

^cIncludes other building board.

Table 55—Insulating board^a production, imports, exports, and consumption, 1965–2011^b

consump	tion, 1965–2	011 ^s			
					mption
	Production	Imports ^c	Exports	Total	
	Thousand	Thousand	Thousand	Thousand	Per capita
Year	tons	tons	tons	tons	pounds
1965	1,234	28	15	1,246	6
1966	1,130	25	18	1,137	6
1967	1,178	25	17	1,187	6
1968	1,276	34	17	1,294	6
1969	1,330	36	24	1,342	7
1970	1,172	38	19	1,191	6
1971	1,409	42	24	1,427	7
1972	1,438	44	24	1,458	7
1973	1,436	51	29	1,459	7
1974	1,204	26	37	1,193	6
1975	1,086	13	28	1,071	5
1976	1,250	17	28	1,239	6
1977	1,271	39	31	1,279	6
1978	1,261	51	39	1,273	6
1979	1,215	51	18	1,247	6
1980	1,020	37	23	1,034	5
1981	780	38	40	777	3
1982	657	43	25	676	3
1983	836	75	30	880	4
1984	934	105	33	1,006	4
1985	903	126	29	1,000	4
1986	805	124	43	886	4
1987	823	100	47	876	4
1988	859	117	75	902	4
1989	901	127	66	962	4
1990	868	106	64	910	4
1991	853	73	70	856	3
1992	867	114	79	902	4
1993	865	105	76	894	3
1994	857	112	62	906	3
1995	857	112	62	906	3
1996	857	112	62	906	3
1997	857	112	62	906	3
1998	857	112	62	906	3
1998	857	112	62 62	906	3
2000	857	112	62	906	3
		112			
2001 2002	857 857		62 63	906 906	3
	857 857	112	62 63		3
2003	857 857	112	62	906	3
2004	857 857	112	62	906	3
2005	857	112	62	906	3
2006	857	112	62	906	3
2007	857	112	62	906	3
2008	857	112	62	906	3
2009	857	112	62	906	3
2010	857	112	62	906	3
2011	857	112	62	906	3

^aDensity equal to or less than 31 lb/ft.

^bProduct of Table 54 using a conversion of .367.

^cIncludes other building board.

Table 56—Hardboard^a production, imports, exports, and consumption, 1965–2011 (1/8-in. basis)^b

Consumption, 1965–2011 (1/6-III. basis)						
	Production ^c	Imports	Exports	Total		
	Million	Million	Million	Million	Per capita	
Year	square feet	square feet	square feet		Square feet	
1965	2,921	574	22	3,473	18	
1966	3,083	459	32	3,510	18	
1967	3,038	455	30	3,463	17	
1968	3,710	623	40	4,293	21	
1969	4,247	694	48	4,893	24	
1970	4,384	452	77	4,759	23	
1971	5,225	631	83	5,773	28	
1972	5,798	1,060	103	6,755	32	
1973	6,050	1,047	131	6,966	33	
1974	5,654	739	175	6,218	29	
1975	5,681	264	158	5,787	27	
1976	6,785	486	187	7,084	32	
1977	7,714	625	174	8,165	37	
1978	7,825	903	78	8,650	39	
1979	7,688	831	101	8,418	37	
1980	6,140	515	87	6,568	29	
1981	6,105	568	171	6,502	28	
1982	5,587	458	47	5,998	26	
1983	7,303	717	60	7,960	34	
1984	6,837	807	64	7,580	32	
1985	6,300	782	192	6,890	29	
1986	5,822	855	182	6,495	27	
1987	5,458	832	269	6,021	25	
1988	5,118	633	322	5,429	22	
1989	5,196	718	427	5,487	22	
1990	5,025	689	552	5,162	21	
1991	4,895	571	606	4,860	19	
1992	5,273	571	836	5,008	20	
1993	5,248	639	917	4,970	19	
1994	5,206	1,119	1,190	5,135	20	
1995	4,930	1,152	1,377	4,705	18	
1996	5,280	1,183	1,426	5,037	19	
1997	4,501	1,306	1,259	4,548	17	
1998	4,300	1,273	871	4,703	17	
1999	4,386	1,782	916	5,253	19	
2000	3,781	1,764	942	4,602	16	
2001	3,322	2,299	788	4,833	17	
2002	2,919	2,676	669	4,926	17	
2003	4,304	3,080	648	6,736	23	
2004	3,880	4,188	1,005	7,063	24	
2005	4,347	4,786	1,076	8,056	27	
2006	3,870	4,899	1,321	7,448	26	
2007	3,312	4,010	1,215	6,107	20	
2008	2,916	2,407	1,138	4,185	14	
2009	2,226	1,538	994	2,770	9	
2010	2,718	1,118	920	2,916	9	
2011	2,466	697	798	2,366	8	

^aDensity greater than 31 lb/ft³.

^bU.S. Department of Commerce, Bureau of the Census (67,71,72); American Forest & Paper Association (3,4,5); U.S. International Trade Commission (84); Composite Panel Association (15);

U.S. Department of Agriculture, Foreign Agricultural Service (91).

Data may not add to totals because of rounding.

^cData for the years 1982 to present are for shipments.

history numbers do not reflect entire industry.

Table 57—Producer price indexes for hardboard and particleboard, $1965-2011 (1997 = 100)^a$

Year Actual Relatived Actual Relatived Actual Relatived Actual Relatived Actual Relatived 1965 38.1 150.6 36.6 144.4 z z z 1967 36.6 140.0 35.8 139.8 z z 1968 36.3 135.3 35.0 130.8 z z 1969 37.7 135.0 35.8 128.3 z z 1970 34.1 118.1 36.6 126.4 z z 1971 34.2 114.6 36.1 121.0 z z 1972 35.3 113.3 36.6 117.2 z z 1973 38.7 109.7 37.6 106.5 z z 1974 42.2 100.6 42.1 100.4 z z 1975 41.6 91.0 42.0 91.8 z z 1975 <		Hardb	oard and				
Year Actual Relative ^d Actual Relative ^d Actual Relative ^d 1965 38.1 150.6 36.6 144.4 z z z 1967 36.6 140.0 35.8 139.8 z z z 1968 36.3 135.3 35.0 130.8 z z z 1969 37.7 135.0 35.8 128.3 z z z 1970 34.1 118.1 36.6 126.4 z z z 1971 34.2 114.6 36.1 121.0 z z z 1972 35.3 113.3 36.6 117.2 z z z 1 1973 38.7 109.7 37.6 106.5 z z z 1 1974 42.2 100.6 42.1 100.4 z z 1 1975 41.6 91.0 42.0 91.8 z<				Hard	board	Particl	eboard ^c
1965 38.1 150.6 36.6 144.4 Z Z 1966 37.9 145.4 36.5 139.8 Z Z 1967 36.6 140.0 35.8 136.8 Z Z 1968 36.3 135.3 35.0 130.8 Z Z 19969 37.7 135.0 35.8 128.3 Z Z 19969 37.7 135.0 35.8 128.3 Z Z 2 1977 34.1 118.1 36.6 126.4 Z Z 1971 34.2 114.6 36.1 121.0 Z Z 2 1972 35.3 113.3 36.6 117.2 Z Z Z 1972 35.3 113.3 36.6 117.2 Z Z 2 1973 34.6 100.6 117.2 Z Z 2 1974 42.2 100.6 42.1 100.4 Z Z 2 1974 42.2 100.6 42.1 100.4 Z <t< td=""><td>Year</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Year						
1966 37.9 145.4 36.5 139.8 z z 1967 36.6 140.0 35.8 136.8 z z 1968 36.3 135.3 35.0 130.8 z z 1969 37.7 135.0 35.8 128.3 z z 1970 34.1 118.1 36.6 126.4 z z 1971 34.2 114.6 36.1 121.0 z z 1972 35.3 113.3 36.6 117.2 z z 1973 38.7 109.7 37.6 106.5 z z 1974 42.2 100.6 42.1 100.4 z z 1975 41.6 91.0 42.0 91.8 z z 1975 41.6 91.0 56.1 102.5 z z 1977 51.6 101.5 51.2 100.6 z z <t< td=""><td>1965</td><td>38.1</td><td></td><td>36.6</td><td></td><td>Z</td><td></td></t<>	1965	38.1		36.6		Z	
1967 36.6 140.0 35.8 136.8 z z 1968 36.3 135.3 35.0 130.8 z z 1970 34.1 118.1 36.6 126.4 z z 1971 34.2 114.6 36.1 121.0 z z 1972 35.3 113.3 36.6 117.2 z z 1973 38.7 109.7 37.6 106.5 z z 1974 42.2 100.6 42.1 100.4 z z 1975 41.6 91.0 42.0 91.8 z z 1975 41.6 91.0 42.0 91.8 z z 1976 45.3 94.7 47.1 98.3 z z 1976 45.3 94.7 47.1 98.3 z z 1978 62.5 114.0 56.1 102.5 z z 198						z	z
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2005 142.3 115.3 98.6 79.9 118.9 96.4 2006 132.2 102.4 101.2 78.3 139.3 107.8 2007 117.7 86.8 100.6 74.2 137.3 101.3 2008 124.2 83.6 103.0 69.3 146.5 98.6 2009 118.3 87.3 102.6 75.7 136.0 100.3							
2006 132.2 102.4 101.2 78.3 139.3 107.8 2007 117.7 86.8 100.6 74.2 137.3 101.3 2008 124.2 83.6 103.0 69.3 146.5 98.6 2009 118.3 87.3 102.6 75.7 136.0 100.3							
2007 117.7 86.8 100.6 74.2 137.3 101.3 2008 124.2 83.6 103.0 69.3 146.5 98.6 2009 118.3 87.3 102.6 75.7 136.0 100.3							
2008 124.2 83.6 103.0 69.3 146.5 98.6 2009 118.3 87.3 102.6 75.7 136.0 100.3							
2009 118.3 87.3 102.6 75.7 136.0 100.3							
2010 127.0 00.1 107.0 73.9 133.7 92.4	2010	127.5	88.1	107.0	73.9	133.7	92.4
<u>2011 123.8 78.6 109.9 69.8 138.0 87.6</u>	2011	123.8	78.6	109.9	69.8	138.0	87.6

^aU.S. Department of Labor, Bureau of Labor Statistics (77,78).

^bHardboard, particleboard, and fiberboard products.

^cPlaten-type (mat formed).

^dDerived by dividing the actual price index by the all commodities index.

^zNot available.

Table 58—Production of treated wood products by type of treatment, treatment plant, and product, 1984–2011 (thousands of board feet)^a

_			Volume T	reated with	Plants treating with ^c					
		Creosote	Oilborne ^b	Waterborne	Fire				Fire	
Year	Total	solutions	pressure	pressure	retardants	Creosote	Oilborne	Waterborne	retardants	
1984	5,989,488	1,651,128	643,320	3,620,364	74,676	120	95	445	75	
1985	6,231,780	1,542,852	630,420	3,944,124	114,384	123	97	449	77	
1986	6,649,236	1,424,988	593,808	4,505,496	124,944	117	81	475	79	
1987	6,911,796	1,173,888	582,684	5,027,808	127,416	109	71	479	81	
1988	7,189,740	1,085,772	574,428	5,406,780	122,760	97	65	484	80	
1989	6,683,316	1,078,440	592,632	4,883,292	128,952	90	60	473	71	
1990	7,027,620	1,118,304	559,104	5,252,100	98,112	85	65	458	66	
1991	6,781,128	1,051,320	521,880	5,092,440	115,488	83	63	445	60	
1992	7,025,796	1,078,452	477,876	5,369,244	100,224	81	44	432	57	
1993	7,270,452	1,105,584	433,860	5,646,048	84,960	76	49	404	48	
1994	7,609,020	1,134,780	495,348	5,962,596	16,296	85	33	461	44	
1995	6,946,488	1,101,012	393,168	5,407,152	45,156	71	28	384	39	
1996	7,099,307	1,038,136	401,934	5,614,264	44,974	68	27	368	29	
1997	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
1998	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
1999	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2000	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2001	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2002	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2003	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2004	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2005	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2006	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2007	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2008	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2009	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2010	8,772,963	1,168,768	468,270	6,977,434	158,491	70	46	381	35	
2011										

		Volume by product									
						Fence		Switch and	Plywood		
Year	Total ^d	Lumber	Timbers	Poles	Pilings	posts	Crossties	bridge ties	(thousand sq.ft.)	Other ^e	
1984	3,980,729	948,965	324,492	931,896	142,068	235,800	1,064,640	98,376	179,936	234,492	
1985	4,032,820	1,025,956	350,496	921,972	126,348	149,232	1,030,728	97,608	267,072	330,480	
1986	4,136,740	1,173,628	387,348	880,092	125,784	208,092	965,316	70,884	297,664	325,596	
1987	4,118,679	1,290,567	542,376	903,288	97,440	135,024	715,128	111,672	408,064	323,184	
1988	4,136,768	1,417,868	540,204	854,292	116,388	148,848	693,240	75,780	406,560	290,148	
1989	4,054,037	1,207,913	527,412	887,700	116,136	172,524	696,264	75,612	422,048	370,476	
1990	4,240,101	1,290,657	576,012	882,012	86,232	178,488	755,856	85,980	392,736	384,864	
1991	4,129,285	1,220,053	630,372	860,808	81,240	166,020	731,664	74,760	415,936	364,368	
1992	4,236,767	1,284,479	622,284	812,592	93,012	165,504	747,348	77,052	430,368	434,496	
1993	4,344,226	1,348,906	614,196	764,376	104,772	164,988	763,032	79,332	444,800	504,624	
1994	5,146,279	1,084,470	970,867	903,974	121,390	246,946	756,648	120,036	651,267	941,949	
1995	4,698,187	990,043	886,332	825,264	110,820	225,444	690,768	109,584	594,560	859,932	
1996	4,470,363	1,160,247	667,572	762,792	101,028	281,208	669,948	68,880	681,088	758,688	
1997	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
1998	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
1999	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2000	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2001	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2002	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2003	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2004	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2005	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2006	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2007	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2008	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2009	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2010	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	
2011	5,287,364	1,543,748	1,032,313	774,235	108,062	181,375	911,537	72,042	772,963	664,053	

^aWood Preservation Institute (88); American Plywood Association, The Engineered Wood Association (11,12, 13).

^bPentachlorophenol, Copper napthenate, Zinc napthenate, Copper-8-quinolinolate, and TBTO (mostly pentachlorophenol).

c1984 was estimated.

dExcludes plywood.

^eCrossarms, landscape timbers, highway posts and guardrails, mine ties and timbers, crossing planks, and other misc. products not listed above. Lumber taken from General Technical Report GTR-199 update, table 11 Hardwood Recovery Factor.

Plywood taken from GTR-199 update, Hardwood Plywood Lumber Conversion table B-7. All Other taken from GTR-199 update, table B-10.

Table 59—Forest chemical products in liters and metric tons, 1965–2011^a

Table 5		all oil fatty acid		a metric tor	Turpentine ^b				Rosin ^c				
		Over 2%	Under 2%		Sulphate	Gum	Steam		Tall oil	Gum	Steam		
	Total	rosin	rosin	Total	turpentine	turpentine	distilled wood	Total	rosin	rosin	distilled wood		
		1000 Metric		1000	1000 U.S.	1000 U.S.	1000 U.S.		1000 Metric		1000 Metric		
Year	Tons	Tons	Tons	Liters	Liters	Liters	Liters	Tons	Tons	Tons	Tons		
1965	149.1	Z	Z	132,575	79,595	21,073	31,907	537.5	162.9	93.9	280.7		
1966	168.6	Z	Z	125,922	80,747	15,934	29,241	509.0	181.8	71.0	256.3		
1967	166.6	Z	Z	118,816	79,419	12,817	26,579	485.9	177.0	58.1	250.8		
1968	169.4	Z	z	123,400	89,529	9,538	24,333	479.8	185.7	44.5	249.6		
1969	185.4	z	z	116,816	90,728	6,621	19,466	452.8	206.1	30.9	215.8		
1970	200.2	z	z	108,950	86,159	4,887	17,904	430.5	207.9	22.8	199.8		
1971	203.6	z	z	107,597	86,074	5,366	16,157	423.9	209.3	23.9	190.7		
1972	214.4	z	z	107,075	87,818	5,024	14,233	423.4	218.3	23.1	181.9		
1973	206.2	z	z	103,342	85,635	4,325	13,381	380.4	202.0	18.4	160.0		
1974	181.6	z	z	96,814	80,904	3,016	12,893	335.7	180.0	13.2	142.5		
1975	146.6	z	z	81,253	70,293	3,807	7,152	240.0	146.1	16.2	77.7		
1976	187.0	z	z	91,516	76,689	3,482	11,345	318.4	183.4	15.3	119.7		
1977	179.6	89.1	90.5	89,483	76,810	2,766	9,907	310.1	184.0	12.2	113.9		
1978	176.2	92.8	83.4	94,414	83,504	1,956	8,954	309.8	192.3	8.5	109.0		
1979	191.6	97.4	94.2	99,364	88,738	1,396	9,230	322.2	210.6	6.4	105.2		
1980	190.0	104.4	85.6	104,768	94,528	1,188	9,052	312.4	203.0	5.4	104.0		
1981	191.5	92.8	98.7	97,502	88,212	1,022	8,269	301.2	201.6	4.6	95.0		
1982	170.6	82.8	87.8	88,375	80,541	870	6,963	260.4	176.4	4.0	80.0		
1983	194.5	94.0	100.5	90,096	83,985	889	5,222	276.3	192.4	3.9	80.0		
1984 1985	214.4 186.0	107.6 97.1	106.8 88.9	87,921 83,977	81,847 79,833	851 662	5,222 3,482	268.9 238.1	205.1 195.0	3.8 3.1	60.0 40.0		
1986	195.5	102.3	93.2	83,088	83,088	002 z	3,402 z	197.1	195.0	3.1 z	40.0 z		
1987	210.0	102.3	106.3	87,781	63,066 87,781	z	z	229.2	229.2	z	z		
	210.0	103.7		105,960	105,960	z	z			z	z		
1988			109.5		,	z	z	233.2	233.2	z	z		
1989	219.3	104.3	115.0	112,579	112,579	z	z	238.3	238.3	7	7		
1990	215.3	102.5	112.8	117,605	117,605	z	z	249.6	249.6	z	z		
1991	240.7	114.3	126.4	97,510	97,510	z	z	239.0	239.0	7	7		
1992	229.0	104.5	124.5	92,708	92,708	z	z	241.9	241.9	7	z		
1993	232.0	97.6	134.4	102,607	102,607	z	z	259.6	259.6	-	z		
1994	253.7	113.3	140.4	99,996	99,996	z	z	256.2	256.2	7	7		
1995	227.1	99.1	128.0	95,849	95,849	z	z	247.8	247.8	-	z		
1996	231.5	99.1	132.4	84,814	84,814	z	z	264.2	264.2	_	7		
1997	248.8	102.5	146.3	96,742	96,742	z z	z	280.4	280.4	2	2		
1998	256.3	118.9	137.4	91,376	91,376	z	z	247.0	247.0	2	7		
1999	263.8	121.5	142.3	78,460	78,460	z	z	210.1	210.1	7	7		
2000	239.1	92.9	146.3	87,342	87,342	z	z	222.7	222.7	_	7		
2001	211.1	86.7	124.4	84,973	84,973			187.9	187.9	z	z		
2002	219.4	92.8	126.6	91,436	91,436	Z	Z	208.9	208.9	z	z		
2003	255.9	107.0	148.9	87,277	87,277	Z	z	219.5	219.5	z	z		
2004	348.2	174.1	174.1	85,026	85,026	Z	z	244.3	244.3	Z	z		
2005	339.8	165.7	174.1	83,546	83,546	Z	z	237.5	237.5	Z	z		
2006	340.1	Z	z	82,490	82,490	Z	z	252.0	252.0	Z	z		
2007	345.0	Z	z	84,957	84,957	z	z	256.0	256.0	Z	z		
2008	350.2	Z	z	87,508	87,508	z	z	260.1	260.1	Z	z		
2009	341.2	Z	z	85,813	85,813	z	z	254.9	254.9	Z	z		
2010	341.2	z	z	85,813	85,813	z	z	254.9	254.9	z	z		
2011	341.2	Z	z	85,813	85,813	z	z	254.9	254.9	Z	z		

^aNaval Stores Review (31); Pine Chemicals Association (33). ^b1965-1972 numbers are converted from 50 gallon bbls to 1,000 gallons.

c1965-1972 numbers are converted from 520-lb. drums to 1,000 short tons.

d1988-present represents crude turpentine production.

^zNot available.

^p Preliminary.

Table 60—Wood energy use in the United States 1973–2011

		-	Trillion BTU			Million cubic feet of wood equivalent					
_					Electric				•	Electric	
Year	Total	Residential	Commercial	Industrial	utilities	Total	Residential	Commercial	Industrial	utilities	
1973	1527	354	7	1165	1	6108	1416	27	4659	5	
1974	1538	371	7	1159	1	6151	1484	28	4636	3	
1975	1497	425	8	1063	0	5988	1702	32	4253	1	
1976	1711	482	9	1220	1	6846	1927	36	4880	4	
1977	1837	542	10	1281	3	7346	2167	41	5125	13	
1978	2036	622	12	1400	2	8145	2487	47	5602	8	
1979	2150	728	14	1405	3	8599	2912	55	5619	12	
1980	2483	859	21	1600	3	9931	3436	84	6400	11	
1981	2495	869	21	1602	3	9978	3476	84	6408	10	
1982	2477	937	22	1516	2	9908	3748	88	6064	8	
1983	2639	925	22	1690	2	10557	3700	88	6760	9	
1984	2629	923	22	1679	5	10515	3692	88	6716	19	
1985	2576	899	24	1645	8	10303	3596	96	6580	31	
1986	2518	876	27	1610	5	10073	3504	108	6440	21	
1987	2465	852	29	1576	8	9861	3408	116	6304	33	
1988	2552	885	32	1625	10	10207	3540	128	6500	39	
1989	2637	918	36	1584	100	10548	3672	144	6334	398	
1990	2191	581	39	1442	129	8762	2324	157	5768	514	
1991	2190	613	41	1410	126	8759	2452	164	5639	503	
1992	2290	645	44	1461	140	9162	2580	176	5845	561	
1993	2227	548	46	1483	150	8907	2192	183	5933	599	
1994	2315	537	46	1580	152	9261	2148	184	6319	609	
1995	2420	596	46	1652	125	9678	2384	184	6608	502	
1996	2467	595	50	1684	138	9867	2380	202	6734	551	
1997	2350	433	49	1731	137	9398	1732	196	6922	548	
1998	2175	387	48	1603	137	8702	1549	193	6414	547	
1999	2224	414	52	1620	138	8895	1655	209	6478	552	
2000	2257	433	53	1636	134	9027	1733	213	6544	537	
2001	1980	370	40	1443	126	7918	1480	162	5770	506	
2002	1899	313	39	1396	150	7595	1252	157	5586	601	
2003	1929	359	40	1363	167	7717	1436	159	5453	669	
2004	2015	332	41	1476	165	8060	1329	166	5904	661	
2005	1826	332	41	1284	168	7302	1329	166	5137	670	
2006	2109	390	65	1472	182	8436	1560	259	5890	727	
2007	2098	430	69	1413	186	8394	1720	278	5652	744	
2008	2044	450	73	1344	177	8175	1800	292	5375	708	
2009	1880	430	72	1198	180	7522	1720	290	4792	720	
2010	1979	420	70	1293	196	7916	1680	280	5172	784	
2011	1967	420	70	1302	175	7868	1680	280	5208	700	

Note - wood equivalent is esimtated using one quadrillian Btus equal to 4 billion cubic feet of wood, actual wood fuel includes roundwood, bark, mill residue, and black liquor from pulp mills

Source: USDA Energy Information Administration, Monthly Energy Review (90)

http://www.eia.doe.gov/emeu/mer/renew.html