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Illinois Timber Industry—An Assessment of Timber Product Output and Use

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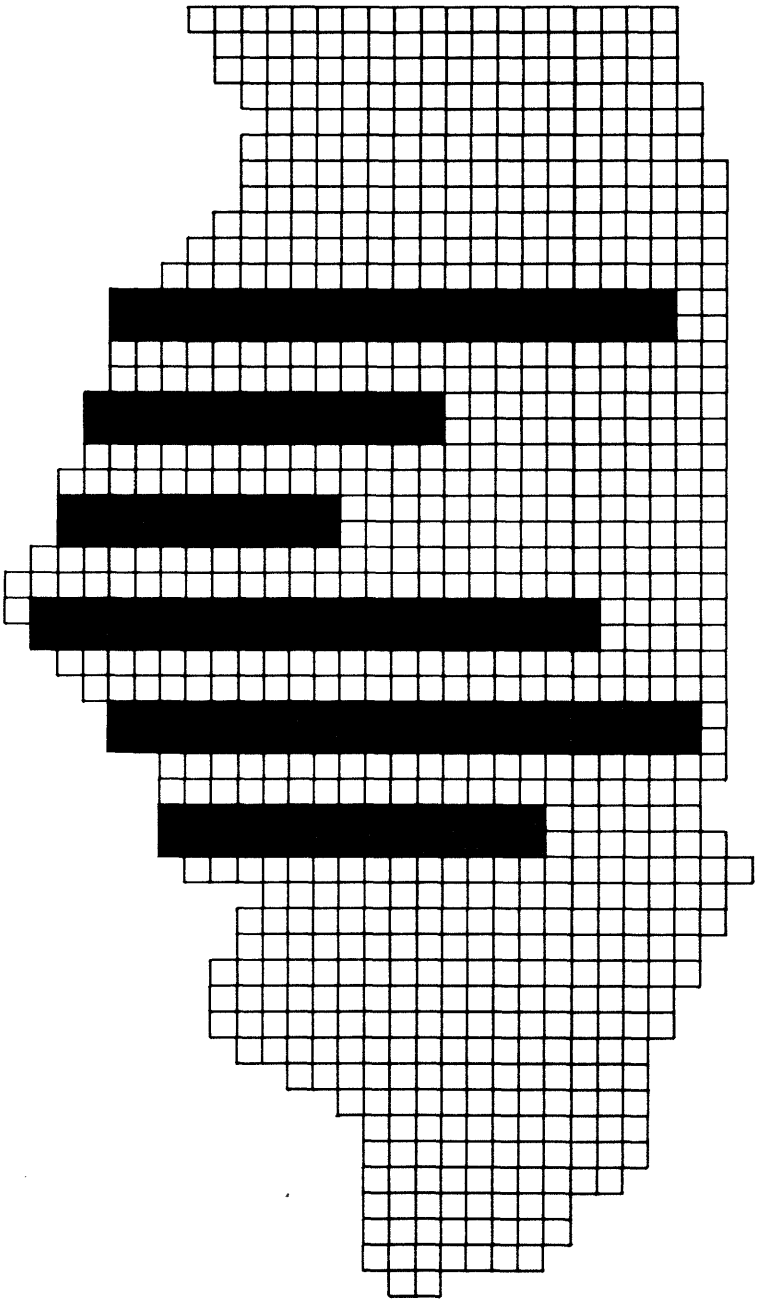

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FOREWORD

This bulletin discusses recent Illinois forest industry trends and contains the results of a detailed study of forest industry, roundwood production, and associated primary mill wood and bark residue in Illinois in 1983. Such detailed information is necessary for intelligent planning and decisionmaking in wood procurement, forest resource management, and forest industry development. Likewise, researchers need current forest industry and roundwood information for planning projects.

Special thanks are given to the primary wood-using firms, households, and loggers that supplied information for this study and to the Illinois Department of Conservation foresters who canvassed the primary wood-using mills. Their cooperation is greatly appreciated.

Quantities shown may differ slightly from one table to another because of rounding differences, but these differences are insignificant.

HIGHLIGHTS

- Illinois roundwood production rose to 147.2 million cubic feet in 1983 from 40.1 million cubic feet in 1961.
- Fuelwood accounted for three-fourths (78 percent) of the roundwood harvest compared to one-eighth of the harvest in 1961.
- White oak, red oak, and soft maple, the leading species cut, furnished 62 percent of the total harvest.
- Most (96 percent) of the roundwood cut came from private land.
- Saw log production climbed from 131 million board feet in 1961 to 161 million board feet in 1983.
- Major saw log species were red oak, white oak, cottonwood, soft maple, hickory, and ash.
- Average lumber production per sawmill rose 112 percent between 1961 and 1983.
- During 1983 Illinois produced 91 thousand cords of pulpwood, 8 thousand cords fewer than in 1961.
- Illinois produced 1,690,000 cords of fuelwood including 1,633,000 cords from roundwood and the remainder from primary wood-using mill residue.
- More than half (53 percent) of the roundwood fuel was white oak and red oak.
- Rural woodland supplied 46 out of every 100 cords of roundwood fuel.
- Logging residue generated in 1983 was estimated to be the equivalent of 284,000 cords of pulpwood, enough to supply a 525 ton/day pulpmill for 1 year.
- Eighty-six percent or more of each residue class (coarse, fine, bark) generated at Illinois primary mills was used.

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ILLINOIS TIMBER INDUSTRY—AN ASSESSMENT OF TIMBER PRODUCT OUTPUT AND USE

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Cutting and processing of timber in Illinois is an important segment of the State's economy. As part of the recent inventory of Illinois' forest resource by the USDA Forest Service, we conducted a study to determine (1) the output of timber products in Illinois in 1983 by type of product, species group, owner class, and county of origin and (2) the quantity of bark and coarse and fine wood residue generated in 1983 at Illinois primary wood-using mills by county of origin and type of use for softwoods and hardwoods. All known mills using Illinois logs and bolts (primary wood-using mills) were canvassed. Most of the canvassing was completed by the Illinois Department of Conservation. Many comparisons were made with a similar mill study in 1961, the time of the previous forest inventory.

PRIMARY FOREST INDUSTRY—ROUNDWOOD PRODUCTION

In Illinois, the active (operating) primary wood-using mill population fell from 355 in 1961 to 185 in 1983. Sawmills dominate the forest industry in terms of numbers of mills and volume of wood used. Of the 185 mills operating in 1983, 178 were sawmills. Although the active sawmills declined from 314 in 1961, the number of large sawmills (each cutting 3 million board feet or more annually) rose from 2 in 1961 to 14 in 1983. Most of the numerical decline from 1961 was in small sawmills each cutting less than 1 million board feet annually. Eight pulpmills operated in 1961; none were operating in 1983. Although the industry is widely scattered throughout the State, major mills are concentrated in south-central and southern Illinois (fig. 1).

Roundwood production climbed from 40.1 million cubic feet in 1961 to 147.2 million cubic feet in 1983. Illinois roundwood products in 1961 and 1983 ranked by order of output in 1983 were:

Product	Roundwood production	
	1961	1983
	(Percent)	
Fuelwood	13.0	77.5
Saw logs	49.6	18.1
Pulpwood	18.5	3.1
Posts	.7	.5
Veneer logs	4.2	.3
Other	14.0	.5
Total	100.0	100.0

White oak, red oak, and soft maple, the principal species cut, provided 62 percent of the total harvest in 1983:

Species	1983 roundwood production
	(Million cubic feet)
White oak	43.4
Red oak	35.9
Soft maple	11.9
Hickory	11.1
Elm	8.8
Ash	6.6
Cottonwood	5.1
Other species	24.4
Total	147.2

Ninety-six percent of the harvest came from private land. More than two-thirds (68.8 percent) of the harvest was in the Prairie Unit, 17.9 percent came from the Claypan Unit, and the Southern Unit furnished 13.3 percent.

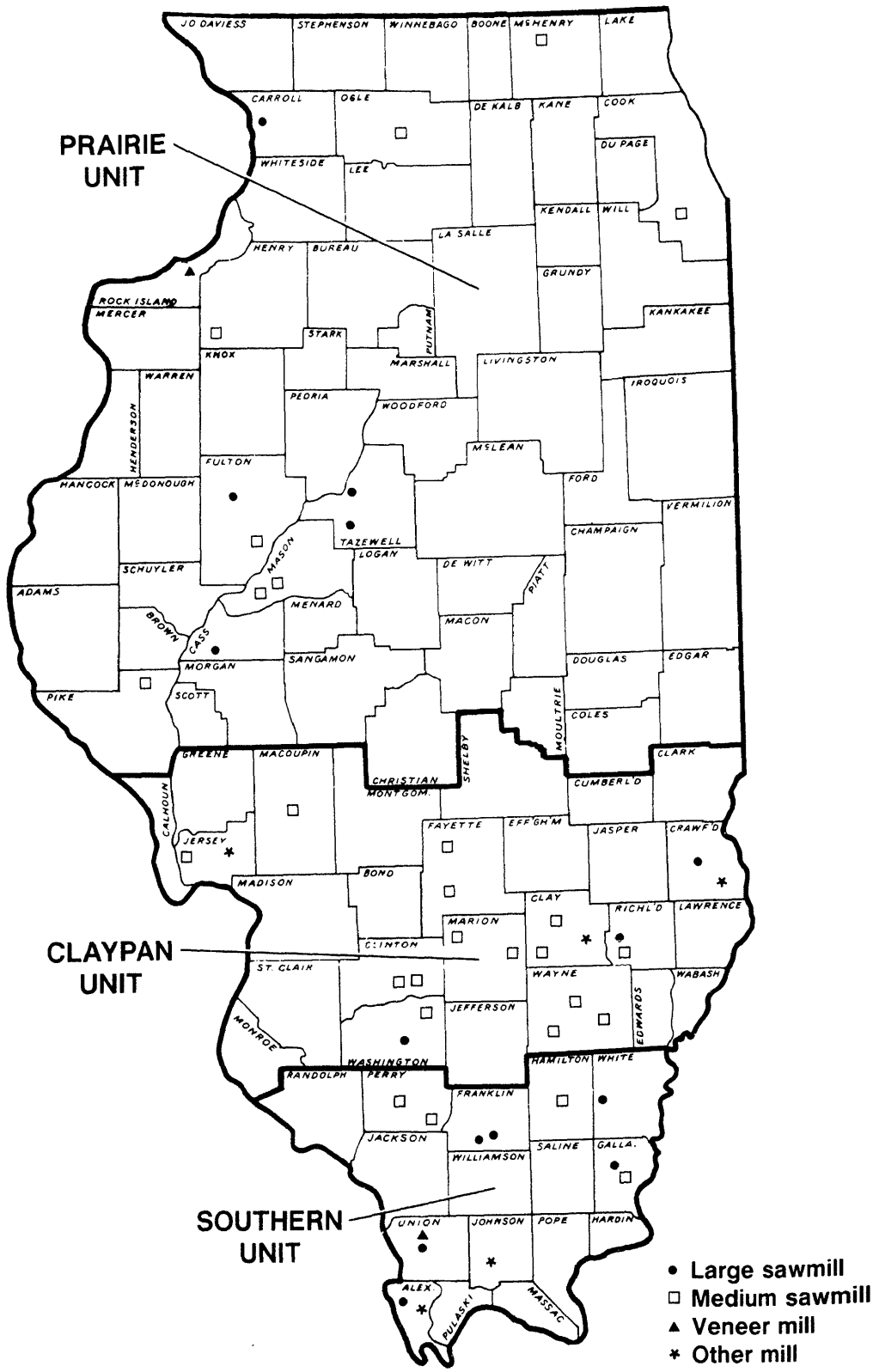

Figure 1.—*Active primary wood-using mills and Forest Survey Units in Illinois, 1983. Sawmills are classed by volume of lumber produced in 1983: large = 3 million board feet or more; medium = 1 to 2.999 million board feet (smaller sawmills not shown). Forest Survey Units are the geographic areas used by the Forest Inventory and Analysis Project to report periodic inventories and use of the Nation's forest resources.*

SAW LOGS

Illinois loggers cut 161 million board feet of saw logs in 1983, up 30 million board feet from 1961. More than 99 percent was hardwoods. Principal species cut were:

Species	Saw log production volume (Million board feet, Int'l. ¼-inch rule)
Red oak	74
White oak	27
Cottonwood	14
Soft maple	10
Hickory	8
Ash	7

Shipments out-of-State were 23 million board feet, destined for Missouri (13 million board feet), Indiana (8 million board feet), Iowa, and Kentucky.

Major production gains since 1961 were in red oak (32 million board feet), white oak (8 million board feet), and hickory (6 million board feet). Oak is in high demand for furniture.

From 1961, soft maple and elm production dropped 9 million and 8 million board feet, respectively. Elm saw log production declines since 1961 reflect the devastation of elm by Dutch elm disease.

The Claypan Unit was the leading supplier of saw logs. Top-producing counties were Franklin, Fulton, Jackson, and White.

Illinois' 178 active sawmills received 146 million board feet of saw logs in 1983 compared with about 122 million board feet received at more than 300 mills in 1961. Imports of 9 million board feet came from five States—Wisconsin, Missouri, Indiana, Iowa, and Kentucky. Average lumber output per sawmill rose 112 percent between 1961 and 1983.

PULPWOOD

During 1983 Illinois produced 91 thousand cords of pulpwood, 8 thousand cords less than in 1961. Sixty-three out of every 100 cords were roundwood; the remainder was wood residue from sawmills and other mills. Residue has become an important pulpwood source since 1965. Softwoods have been a significant contributor to the roundwood pulpwood harvest since 1977, and shortleaf pine was the chief pulpwood species in 1983. Nearly three-fourths of the roundwood cut for pulpwood came from the Southern Unit.

Since 1961, Illinois annual pulpwood production has ranged from 146 thousand cords in 1973 to 76 thousand cords in 1982. All eight Illinois pulpmills active in 1961 have closed; the last mill closed in 1981. Illinois pulpwood is shipped to surrounding States.

VENEER LOGS

Illinois cut 4.0 million board feet of veneer logs, about one-third of the harvest in 1961. Illinois veneer log output has been in a down trend since at least 1961. White oak was the primary species harvested. Indiana was the major market for the logs. Only two veneer mills operated in Illinois during 1983.

FUELWOOD

Fuelwood production in 1983 was 1,690,000 cords; 1,633,000 cords were from roundwood and 57,000 cords were from primary wood-using mill residue used for industrial and domestic fuel. Of the fuel from roundwood, 81 percent was supplied by the Prairie Unit, 13 percent was supplied by the Claypan Unit, and 6 percent was supplied by the Southern Unit. Counties each producing more than 100,000 cords were Will, McHenry, and Cook.

Households cut almost all (1,626,000 cords) of the fuelwood from roundwood; commercial producers cut the remainder.

White oak and red oak, the primary fuelwood species, accounted for 53 percent of the roundwood fuel. Leading species cut were:

Species	Roundwood fuel production	
	(Thousand cords)	(Percent)
White oak	541	33
Red oak	325	20
Soft maple	141	9
Hickory	135	8
Elm	119	7
Ash	69	4

No other species supplied more than 32,000 cords. Softwoods (pine and redcedar) supplied less than 1 percent.

Most (97 percent) of the fuelwood cut came from private land. Public land supplied from 2 to 4 percent in each Unit:

Survey Unit	Private	Public
	(Thousand cords)	
Southern	85	4
Claypan	210	5
Prairie	1,288	41
All	1,583	50

Rural woodland furnished 46 out of every 100 cords of roundwood fuel. Of the other 54 cords out of 100 cut

from other land classes, 23 cords came from cities and villages; 21 cords came from fence rows, windbreaks, and rural yards; and 10 cords came from pasture and cropland.

All but a nominal amount of the primary wood-using mill residue used for fuel was hardwood. Two-thirds of the residue burned was coarse (chippable), and the remainder was fines (primarily sawdust and shavings).

Two residue user groups were identified—industrial and domestic. Domestic (household) customers used about two-thirds (39,000 cords) of the residue burned for fuel. Nineteen out of every twenty cords of residue burned by households was coarse residue. Domestic users prefer coarse residue because it is easier to handle and burns better than fines in most stoves and fireplaces. Industrial plants used 18,000 cords of which 91 percent was fines.

More detailed information on 1983 fuelwood production and sources in Illinois can be found in Resource Bulletin NC-92.

OTHER PRODUCTS

Other roundwood products (1.0 percent of all roundwood) cut in Illinois in 1983 included posts, handle bolts, cooperage logs, mine timbers, piling, and specialty products. Principal species harvested for these products were ash, white oak, and red oak. Harvesting of these products was widespread in 51 Illinois counties.

LOGGING RESIDUE

During the 1983 roundwood harvest, an estimated 22.4 million cubic feet of logging residue was generated. Logging residue includes all wood fiber left behind from trees cut during logging operations and not subsequently used. Total residue generated was equivalent to 284,000 cords of pulpwood, enough to supply a 525 ton/day pulpmill for 1 year. Alternatively, this volume of residue is equivalent to one-fifth of Illinois' fuelwood demand from roundwood in 1983.

Six species accounted for 88 percent of the residue:

Species	Residue volume	
	(Million cubic feet)	(Percent of total)
Red oak	10.3	46
White oak	3.9	17
Cottonwood	1.5	7
Ash	1.4	6
Soft maple	1.4	6
Hickory	1.2	6

Logging residue was widely distributed in every Survey Unit. Two counties—Franklin and Fulton—each produced more than 1 million cubic feet of residue.

PRIMARY MILL RESIDUE

In Illinois during 1983, primary wood-using mills generated 201,000 green tons of coarse residue, 121,000 green tons of fine residue, and 85,000 tons of bark. Much of this residue was used: 88 percent of the coarse, 86 percent of the fine, and 90 percent of the bark. Pulpmills consumed one-half of the coarse residue for fiber products, and industry, and households consumed 36 percent for fuel. Fine residue was used primarily for industrial fuel, soil conditioners, mulch, livestock bedding, and poultry litter.

Mills have found many additional markets for wood residue since 1961 and market demand has shifted. In 1961 only 65 percent of the coarse residue and 45 percent of the fine residue were used. Use of coarse residue has shifted from industrial fuel to fiber:

Type of use	Percent of coarse residue	
	1961	1983
Fiber (pulp)	1	50
Industrial fuel	27	2

In 1961 industrial fuel was the major use for fine residue; in 1983 the major use was for soil conditioners, mulch, livestock bedding, and poultry litter.

Counties each producing more than 12,000 green tons of coarse and fine residue in 1983 were Alexander, Crawford, Franklin, Gallatin, Richland, Tazewell, Union, Washington, and Wayne. Estimates of residue in 1983 by type of use for each county are found in the Appendix. Individuals or firms desiring residue can use the county data to pinpoint areas with the highest residue concentrations.

OUTLOOK

Growth of the U.S. economy, and particularly the economy of the Midwest, will be major factors in determining the rate of growth in demand for Illinois roundwood products. Changes in demand for housing, furniture, pallets, railroad ties, and blocking are all vitally important to Illinois' primary wood-using industry.

Between 1961 and 1983 the average annual changes in roundwood production for saw logs, pulpwood fuelwood, and all products were:

Product	Average annual change
	(Percent)
Saw logs	+1.4
Pulpwood	−2.2
Fuelwood	+15.1
All	+6.1

The 6.1 percent average annual increase for all roundwood products between 1961 and 1983 is not likely to be maintained during the next decade. Since 1973, fuelwood demand has increased at unsustainable rates and has caused the rate of increase for total products since 1961 to be abnormally high.

APPENDIX

STUDY METHODS

Except for data on posts and fuelwood cut from roundwood, data for this publication came from canvassing (with a formal questionnaire) all of the primary wood-using mills that use Illinois logs and bolts. The study was a cooperative effort between the Illinois Department of Conservation (IDC) and the North Central Forest Experiment Station (NCFES). IDC foresters personally canvassed all of the known Illinois primary mills. The IDC utilization and marketing specialist provided estimates based on prior knowledge and contacts for a few Illinois mills that did not furnish complete data.

The NCFES mailed a formal questionnaire to all out-of-State mills using Illinois roundwood. Follow-up on nonrespondents was by mail and telephone.

Using a formal questionnaire, forestry students at Southern Illinois University canvassed sample households and commercial fuelwood producers by telephone to obtain fuelwood and post data. Details concerning study methods are found in Resource Bulletin NC-92.

Logging utilization factors were used to estimate the logging residue. These factors were determined from an Illinois logging utilization study by the NCFES during 1984 and 1985.

The NCFES edited and compiled the data.

SAMPLING ERROR

Because all primary wood-using mills were canvassed, there is no sampling error for the roundwood products they used or the wood and bark residue they generated.

All the reported figures for fuelwood and posts are estimates based on sampling procedures designed to give accurate estimates of fuelwood production. A measure of reliability of these figures is given by sampling errors. This sampling error means that the chances are two out of three that the results for the sample differ by no more than the amount indicated from the results that would have been obtained if a 100 percent sample of all households and loggers had been made. Sampling error for fuelwood production was ± 14.92 percent on a volume of 1,633,248 cords. Sampling error for post production was ±24.89 percent on a volume of 1,285,000 posts.

DEFINITION OF TERMS

Coarse mill residue.—Wood residue suitable for chipping such as slabs, edgings, and veneer cores.

Commercial forest land.—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Generally, this includes areas suitable for growing crops of industrial wood in excess of 20 cubic feet per acre annually.

Consumption.—The quantity of a commodity, such as pulpwood, utilized.

County and municipal land.—Land owned by counties and local public agencies or municipalities, or land leased to these governmental units for 50 years or more.

Fine mill residue.—Wood residue not suitable for chipping such as sawdust and veneer clippings.

Forest industry land.—Land owned by companies or individuals operating primary wood-using plants.

Forest Survey Unit.—A geographical area (group of counties) used by the Forest Inventory and Analysis Project to report periodic inventories and use of the Nation's forest resources.

Indian land.—All land held in trust by the United States for individual Indians or tribes, or all land, titles to which are held by individual Indians or tribes, subject to Federal restrictions against alienation.

Logging residue.—The unused portions of trees cut or killed by logging.

National forest land.—Federal land that has been legally designated as National Forest or purchase units, and other land under the administration of the USDA Forest Service.

Primary wood-using mills.—Mills receiving roundwood or chips from roundwood for processing into products.

Primary wood-using mill residue.—Wood materials (coarse and fine) and bark generated at manufacturing plants from roundwood processed into principal products. These residues include wood products (by-products) obtained incidental to production of principal products and wood materials not utilized for some product.

Roundwood.—Logs, bolts, or other round sections cut from trees (including chips from roundwood).

Roundwood production.—The quantity of roundwood harvested in a geographic area.

Roundwood products.—Saw logs, pulpwood, veneer logs, fuelwood, posts, cooperage logs, poles, piling, shaving bolts, charcoal bolts, and chips from roundwood.

Roundwood receipts.—The quantity of roundwood received in a geographic area regardless of the geographic source.

Rural woodland.—Wooded areas outside city and village limits excluding fence rows, windbreaks, rural yards, pasture, and cropland.

Standard cord.—A stack of wood bolts (or the equivalent) encompassing 128 cubic feet of wood, bark, and air space. A cord of pulpwood contains 79 cubic feet of wood and 49 cubic feet of bark and air space. A cord of fuelwood contains 70 cubic feet of wood and 58 cubic feet of bark and air space.

State land.—Land owned by States or land leased to these governmental units for 50 years or more.

COMMON AND SCIENTIFIC NAMES OF TREE SPECIES MENTIONED

SOFTWOODS
- Cypress ..... *Taxodium distichum*
- Shortleaf pine ..... *Pinus echinata*
- Red pine ..... *Pinus resinosa*
- Scotch pine ..... *Pinus sylvestris*
- Eastern white pine ..... *Pinus strobus*
- Eastern redcedar ..... *Juniperus virginiana*

HARDWOODS
- White oak
  - White oak ..... *Quercus alba*
  - Swamp white oak ..... *Quercus bicolor*
  - Bur oak ..... *Quercus macrocarpa*
  - Swamp chestnut oak ..... *Quercus michauxii*
  - Chinkapin oak ..... *Quercus muehlenbergii*
  - Overcup oak ..... *Quercus lyrata*
  - Post oak ..... *Quercus stellata*
- Red oak
  - Cherrybark oak ..... *Quercus falcata* var. *pagodaefolia*
  - Northern red oak ..... *Quercus rubra*
  - Shumard oak ..... *Quercus shumardii*
  - Scarlet oak ..... *Quercus coccinea*
  - Southern red oak ..... *Quercus falcata*
  - Shingle oak ..... *Quercus imbricaria*
  - Pin oak ..... *Quercus palustris*
  - Northern pin oak ..... *Quercus ellipsoidalis*
  - Black oak ..... *Quercus velutina*
- Hickory
  - Pecan ..... *Carya illinoensis*
  - Shellbark hickory ..... *Carya laciniosa*
  - Shagbark hickory ..... *Carya ovata*
  - Mockernut hickory ..... *Carya tomentosa*
  - Bitternut hickory ..... *Carya cordiformis*
  - Pignut hickory ..... *Carya glabra*
- American basswood ..... *Tilia americana*
- Beech ..... *Fagus grandifolia*
- Hard maple ..... *Acer saccharum*
- Soft maple
  - Red maple ..... *Acer rubrum*
  - Silver maple ..... *Acer saccharinum*
- Elm
  - Winged elm ..... *Ulmus alata*
  - American elm ..... *Ulmus americana*
  - Slippery elm ..... *Ulmus rubra*
- Ash
  - Black ash ..... *Fraxinus nigra*
  - White ash ..... *Fraxinus americana*
  - Green ash ..... *Fraxinus pennsylvanica*
- American sycamore ..... *Platanus occidentalis*
- Eastern cottonwood ..... *Populus deltoides*
- Sweetgum ..... *Liquidambar styraciflua*
- Blackgum ..... *Nyssa silvatica*
- Black cherry ..... *Prunus serotina*
- Black walnut ..... *Juglans nigra*
- Yellow-poplar ..... *Liriodendron tulipfera*
- Other hardwoods
  - Black willow ..... *Salix nigra*
  - Hackberry ..... *Celtis occidentalis*
  - Bigtooth aspen ..... *Populus grandidentata*
  - Quaking aspen ..... *Populus tremuloides*
  - River birch ..... *Betula nigra*
  - Water tupelo ..... *Nyssa aquatica*
  - Butternut ..... *Juglans cinerea*
  - Boxelder ..... *Acer negundo*
  - Ohio buckeye ..... *Aesculus glabra*
  - Northern catalpa ..... *Catalpa speciosa*
  - Persimmon ..... *Diospyros virginiana*
  - Kentucky coffeetree ..... *Gymnocladus dioicus*
  - Cucumbertree ..... *Magnolia acuminata*
  - Flowering dogwood ..... *Cornus florida*
  - Honeylocust ..... *Gleditsia triacanthos*
  - Black locust ..... *Robinia pseudoacacia*
  - Sassafras ..... *Sassafras albidum*

TABLE TITLES

Table 1. —Number of active primary wood-using mills by Forest Survey Unit in Illinois, 1961 and 1983

Table 2. —Output of roundwood products by species group, Illinois, 1961 and 1983

Table 3. —Output of roundwood products by species group and type of product, Illinois, 1983

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Table 17.—Logging residue generated during roundwood production by species group, Forest Survey Unit, and county, Illinois, 1983

Table 18.—Residue produced at primary wood-using mills by type of material, type of use, and county, Illinois, 1983

Table 1.--Number of active primary wood-using mills by Forest Survey Unit in Illinois, 1961 and 1983

Kind of mill	All Units		Southern Unit		Claypan Unit		Prairie Unit	
	1961	1983	1961	1983	1961	1983	1961	1983
Saw mills								
Large[1]	2	14	--	6	--	3	2	5
Medium[2]	37	27	11	4	13	15	13	8
Small[3]	275	137	56	23	107	53	112	61
Subtotal	314	178	67	33	120	71	127	74
Pulpmills	8	--	--	--	3	--	5	--
Veneer mills	8	2	5	1	1	--	2	1
Other mills[4]	25	5	8	2	7	3	10	--
All mills	355	185	80	36	131	74	144	75

[1] Annual lumber production of 3 million board feet or more.

[2] Annual lumber production from 1.000 to 2.999 million board feet.

[3] Annual lumber production less than 1 million board feet.

[4] Includes cooperage mills, handle mills, and charcoal plants.

Table 2.--Output of roundwood products by species group and product, Illinois, 1961 and 1983

(In million cubic feet)

Product	All species		Softwoods		Hardwoods	
	1961	1983	1961	1983	1961	1983
Saw logs	19.9	26.7	0.1	0.1	19.8	26.6
Fuelwood	5.2	114.1	--	0.5	5.2	113.6
Pulpwood	7.4	4.5	0.5	1.4	6.9	3.1
Veneer logs	1.7	0.5	--	--	1.7	0.5
Posts	0.3	0.7	--	[1]	0.3	0.7
Other products[2]	5.6	0.7	[1]	--	5.6	0.7
All products	40.1	147.2	0.6	2.0	39.5	145.2

[1] Less than 50 thousand cubic feet.

[2] Includes logs and bolts used for handles, mine timbers, cooperage, piling and other specialty products.

Table 3.--Output of roundwood products by species group and type of product, Illinois, 1983

Species group	All products	Saw logs		Veneer logs		Pulpwood		Fuelwood		Posts		Other products[1]
	MCF[2]	MBF[3]	MCF[2]	MBF[3]	MCF[2]	Cords[4]	MCF[2]	Cords[4]	MCF[2]	M pieces[5]	MCF[2]	MCF[2]
Softwoods												
Cypress	34	192	34	--	--	--	--	--	--	--	--	--
Shortleaf pine	1,414	--	--	--	--	17,899	1,412	33	2	--	--	--
Other pine	430	117	21	--	--	302	23	5,521	386	--	--	--
Redcedar	143	21	4	--	--	--	--	1,455	103	47	36	--
Other softwoods	3	14	3	--	--	--	--	--	--	--	--	--
Total	2,024	344	62	--	--	18,201	1,435	7,009	491	47	36	--
Hardwoods												
Ash	6,603	7,280	1,178	18	2	3,296	256	68,534	4,766	--	--	401
Basswood	168	645	101	--	--	--	--	963	67	--	--	--
Beech	108	674	108	--	--	--	--	--	--	--	--	--
Blackgum	102	415	66	--	--	416	33	48	3	--	--	--
Black cherry	2,280	868	130	--	--	--	--	30,851	2,150	--	--	--
Cottonwood	5,072	13,726	2,118	7	1	8,982	705	32,179	2,248	--	--	--
Elm	8,807	2,584	412	3	--	1,138	90	118,787	8,304	2	1	--
Pecan	3,431	1,326	210	85	11	2,534	191	43,335	3,007	19	11	1
Other hickory	7,646	6,844	1,111	--	--	1,407	106	91,398	6,372	48	29	28
Hard maple	2,075	3,261	547	--	--	832	60	21,284	1,468	--	--	--
Soft maple	11,870	9,678	1,641	--	--	5,135	410	140,541	9,819	--	--	--
Red oak	35,872	73,503	12,426	540	73	5,759	448	325,349	22,755	72	41	129
White oak	43,398	26,916	4,545	2,555	346	5,358	420	541,069	37,844	141	77	166
Sweetgum	622	2,946	481	--	--	1,758	135	88	6	--	--	--
Sycamore	1,365	2,998	481	--	--	2,079	162	10,325	722	--	--	--
Black walnut	1,963	2,954	439	760	99	--	--	20,464	1,422	6	3	--
Yellow-poplar	442	2,649	430	2	--	127	10	22	2	--	--	--
Other hardwoods	13,342	932	146	--	--	--	--	181,002	12,651	950	545	--
Total	145,166	160,199	26,570	3,970	532	38,821	3,026	1,626,239	113,606	1,238	707	725
All species	147,190	160,543	26,632	3,970	532	57,022	4,461	1,633,248	114,097	1,285	743	725

[1] Includes logs and bolts used for handles, mine timbers, cooperage, piling, and other specialty products.

[2] Thousand cubic feet.

[3] Thousand board feet, International 1/4-inch rule.

[4] Standard cord contains 128 cubic feet including wood, bark, and air space.

[5] Thousand pieces.

Table 4.--Output of roundwood products by ownership class, Forest Survey Unit, and species group, Illinois, 1983

(In thousand cubic feet)

Ownership class and species group	All Units	Forest Survey Unit		
		Southern Unit	Claypan Unit	Prairie Unit
Federal				
National Forest				
Softwoods	1,140	1,140	--	--
Hardwoods	905	905	--	--
Total	2,045	2,045	--	--
Other				
Softwoods	18	--	--	18
Hardwoods	404	79	5	320
Total	422	79	5	338
State				
Softwoods	70	9	--	61
Hardwoods	162	17	52	93
Total	232	26	52	154
County & municipal				
Softwoods	8	--	--	8
Hardwoods	2,762	81	299	2,382
Total	2,770	81	299	2,390
Private				
Forest Industry				
Softwoods	16	--	--	16
Hardwoods	389	140	204	45
Total	405	140	204	61
Other				
Softwoods	772	320	71	381
Hardwoods	140,544	16,822	25,730	97,992
Total	141,316	17,142	25,801	98,373
All owners				
Softwoods	2,024	1,469	71	484
Hardwoods	145,166	18,044	26,290	100,832
Total	147,190	19,513	26,361	101,316

Table 5.--Output of roundwood products by Forest Survey Unit, county, and species group, Illinois, 1983

(In thousand cubic feet)

Unit and county	All species	Species group											
		Cypress	Short-leaf pine	Other pine	Red-cedar	Other soft-woods	Ash	Bass-wood	Beech	Black-gum	Black cherry	Cotton-wood	Elm
Southern Unit													
Alexander	1,459	7	--	--	--	--	140	--	20	22	3	82	33
Franklin	2,111	1	--	--	--	--	32	--	2	1	--	59	51
Gallatin	490	1	--	--	--	--	63	--	--	3	--	44	12
Hamilton	939	--	--	--	--	--	96	--	--	1	--	14	10
Hardin	876	--	108	--	1	--	21	--	5	3	2	13	5
Jackson	1,639	--	--	--	--	--	63	1	1	2	--	13	43
Johnson	1,088	7	8	--	--	--	117	1	19	15	3	34	24
Massac	393	3	--	--	--	--	31	--	10	4	2	12	8
Perry	731	--	--	--	--	--	15	--	--	1	6	4	15
Pope	1,812	2	864	--	--	--	123	--	8	6	2	20	5
Pulaski	1,512	2	--	--	--	--	230	--	5	12	45	39	36
Randolph	1,403	--	--	--	1	--	241	--	--	1	11	41	64
Saline	934	2	326	--	--	--	43	--	4	2	15	20	2
Union	1,813	7	--	--	19	--	185	--	21	12	4	64	71
White	1,216	--	--	--	--	--	68	--	4	6	2	286	3
Williamson	1,097	2	108	--	--	--	168	--	6	2	56	9	21
Total	19,513	34	1,414	--	21	--	1,636	2	105	93	151	754	403
Claypan Unit													
Bond	612	--	--	--	--	--	110	16	--	--	24	35	8
Calhoun	611	--	--	--	--	--	35	1	--	--	1	64	18
Clark	1,886	--	--	--	--	--	300	2	1	--	52	52	11
Clay	760	--	--	2	--	--	75	--	--	--	--	28	--
Clinton	1,017	--	--	--	--	--	233	1	--	--	6	11	2
Crawford	2,006	--	--	--	--	--	246	--	--	--	46	63	36
Cumberland	724	--	--	--	--	--	61	--	--	--	61	15	26
Edwards	519	--	--	--	--	--	25	--	--	--	--	6	--
Effingham	651	--	--	--	1	--	79	2	--	--	2	65	1
Fayette	1,069	--	--	--	--	--	13	--	--	--	--	97	8
Greene	981	--	--	--	--	--	53	1	--	--	9	18	67
Jasper	733	--	--	--	--	--	32	--	--	--	--	98	25
Jefferson	714	--	--	--	--	--	12	--	--	--	8	7	5
Jersey	1,266	--	--	--	--	--	102	4	--	--	1	13	56
Lawrence	850	--	--	--	--	--	122	--	--	--	--	57	--
Macoupin	770	--	--	--	--	--	20	--	--	--	29	2	32
Madison	1,852	--	--	49	1	--	237	1	--	--	30	69	137
Marion	1,124	--	--	--	--	--	85	1	--	--	--	35	9
Monroe	686	--	--	--	--	--	16	--	--	--	9	34	16
Montgomery	606	--	--	--	--	--	2	--	--	--	10	10	--
Richland	712	--	--	--	--	--	81	--	--	--	--	62	--
St. Clair	1,508	--	--	17	--	--	118	--	--	--	--	50	94
Shelby	851	--	--	--	--	--	21	--	--	--	10	72	36
Wabash	632	--	--	--	1	--	11	--	--	--	9	42	14
Washington	1,465	--	--	--	--	--	28	--	--	--	21	18	135
Wayne	1,756	--	--	--	--	--	136	--	2	6	12	111	16
Total	26,361	--	--	68	3	--	2,253	29	3	6	340	1,134	752

(Table 5 continued on next page)

(Table 5 continued)

Unit and county	Species group										
	Pecan hickory	Other hickory	Hard maple	Soft maple	Red oak	White oak	Sweet-gum	Sycamore	Black walnut	Yellow-poplar	Other hard-woods
Southern Unit											
Alexander	61	62	26	135	397	249	100	66	1	47	8
Franklin	15	80	2	82	1,391	218	80	3	41	4	49
Gallatin	27	10	11	23	228	33	10	4	1	15	5
Hamilton	52	109	13	77	428	127	6	4	--	2	--
Hardin	7	54	9	13	429	171	7	9	--	19	--
Jackson	37	97	7	90	958	265	11	14	3	7	27
Johnson	20	59	9	46	409	189	55	21	1	46	5
Massac	9	17	2	23	164	55	25	4	--	23	1
Perry	20	39	2	10	427	170	5	9	2	--	6
Pope	15	44	3	29	416	204	15	14	1	27	14
Pulaski	117	156	15	83	409	255	50	41	--	14	3
Randolph	96	142	29	135	367	224	5	21	2	4	19
Saline	2	10	1	18	311	80	15	23	--	10	50
Union	70	101	16	70	633	337	63	31	3	49	57
White	28	56	7	170	372	120	36	22	2	34	--
Williamson	17	37	18	80	341	166	16	6	2	16	26
Total	593	1,073	170	1,084	7,680	2,863	499	292	59	317	270
Claypan Unit											
Bond	23	37	2	31	177	110	--	1	1	--	37
Calhoun	14	10	12	23	212	159	--	42	10	--	10
Clark	66	93	27	107	376	322	6	27	20	48	376
Clay	13	49	1	38	300	241	--	13	--	--	--
Clinton	4	86	42	23	351	196	--	--	1	--	61
Crawford	63	94	7	80	762	411	31	36	5	--	126
Cumberland	36	58	25	58	164	158	1	7	10	7	37
Edwards	16	57	12	66	168	88	1	4	30	3	43
Effingham	32	71	12	27	167	99	--	9	3	--	81
Fayette	49	105	2	50	477	244	5	10	8	--	1
Greene	76	116	11	59	213	241	--	6	6	--	105
Jasper	23	45	5	72	300	87	18	28	--	--	--
Jefferson	16	34	4	27	404	169	3	3	--	--	22
Jersey	28	44	52	166	382	330	--	8	7	--	73
Lawrence	10	22	--	55	393	58	37	43	3	--	50
Macoupin	18	31	8	42	214	217	--	1	11	--	145
Madison	20	39	53	256	319	342	--	64	14	--	221
Marion	106	215	44	110	336	176	--	1	1	--	5
Monroe	44	65	16	71	212	177	--	12	7	--	7
Montgomery	5	10	3	18	105	206	--	2	3	--	232
Richland	17	80	--	72	249	128	--	19	2	2	--
St. Clair	119	218	32	46	369	306	--	57	20	--	62
Shelby	46	77	15	85	250	196	--	7	3	--	33
Wabash	82	127	16	86	121	92	2	9	1	--	19
Washington	107	243	38	6	463	341	--	21	--	--	44
Wayne	48	125	3	107	803	311	19	18	1	17	21
Total	1,081	2,151	442	1,781	8,287	5,405	123	448	167	77	1,811

(Table 5 continued on next page)

(Table 5 continued)

Unit and county	All species	Species group											
		Cypress	Short-leaf pine	Other pine	Red-cedar	Other soft-woods	Ash	Bass-wood	Beech	Black-gum	Black cherry	Cotton-wood	Elm
Prairie Unit													
Adams	1,553	--	--	26	12	--	26	2	--	--	14	9	161
Boone	350	--	--	--	--	--	17	--	--	--	7	1	51
Brown	487	--	--	--	--	--	17	4	--	--	7	20	5
Bureau	393	--	--	--	--	--	5	1	--	--	7	12	11
Carroll	398	--	--	1	--	--	14	2	--	--	20	22	6
Cass	236	--	--	--	--	--	1	1	--	--	--	10	2
Champaign	697	--	--	7	2	--	17	4	--	--	16	73	110
Christian	403	--	--	--	--	--	--	--	--	--	--	1	--
Coles	379	--	--	--	--	--	4	1	--	--	6	2	2
Cook	11,034	--	--	106	--	--	163	32	--	--	239	580	713
De Kalb	431	--	--	--	--	--	7	1	--	--	18	1	6
Dewitt	90	--	--	--	--	--	--	--	--	--	--	--	--
Douglas	121	--	--	--	--	--	9	--	--	--	--	2	1
Dupage	2,045	--	--	--	--	--	484	--	--	--	--	--	778
Edgar	494	--	--	--	--	--	8	1	--	--	16	84	5
Ford	84	--	--	--	--	--	1	--	--	--	--	--	--
Fulton	2,555	--	--	--	--	--	83	24	--	--	23	364	135
Grundy	1,311	--	--	--	--	--	178	--	--	--	7	21	32
Hancock	2,048	--	--	--	--	--	158	2	--	--	36	187	48
Henderson	597	--	--	--	--	--	11	2	--	--	48	198	48
Henry	1,467	--	--	--	--	2	10	1	--	--	17	1	448
Iroquois	1,675	--	--	3	--	--	83	--	--	--	--	307	--
Jo Daviess	2,116	--	--	1	--	--	125	6	--	--	18	22	446
Kane	1,376	--	--	--	--	--	--	--	--	--	--	--	413
Kankakee	1,486	--	--	--	--	--	37	--	--	--	25	24	302
Kendall	3,277	--	--	--	45	--	109	--	--	--	--	--	8
Knox	492	--	--	3	--	--	3	1	--	--	16	--	96
Lake	5,845	--	--	1	--	--	1	--	--	--	97	2	22
La Salle	1,256	--	--	6	--	--	9	1	--	--	16	86	250
Lee	656	--	--	2	--	--	--	--	--	--	44	29	14
Livingston	575	--	--	21	--	--	19	--	--	--	--	--	30
Logan	180	--	--	--	--	--	1	1	--	--	--	4	29
Macon	640	--	--	8	--	--	18	--	--	--	20	204	67
Marshall	301	--	--	--	--	--	20	--	--	--	--	--	--
Mason	299	--	--	--	18	--	14	1	--	--	--	4	--
McDonough	884	--	--	--	--	--	2	1	--	--	1	67	37
McHenry	14,583	--	--	--	--	--	59	--	--	--	186	182	756
McLean	990	--	--	--	18	--	49	--	--	--	14	46	22
Menard	206	--	--	--	--	--	1	1	--	--	25	4	16
Mercer	215	--	--	--	--	--	2	--	--	--	5	7	--
Morgan	544	--	--	--	--	--	7	--	--	--	2	18	68
Moultrie	139	--	--	--	--	--	--	--	--	--	--	--	8
Ogle	1,025	--	--	16	24	--	3	8	--	--	37	10	9
Peoria	1,693	--	--	23	--	--	5	1	--	--	12	67	277
Piatt	244	--	--	--	--	--	--	--	--	--	--	4	44
Pike	1,285	--	--	--	--	--	10	5	--	--	2	2	140
Putnam	411	--	--	--	--	--	7	1	--	--	--	--	--
Rock Island	773	--	--	19	--	--	3	1	--	--	23	4	17
Sangamon	770	--	--	1	--	--	--	--	--	2	102	3	121
Schuyler	608	--	--	--	--	--	7	7	--	--	3	41	18
Scott	312	--	--	--	--	--	--	--	--	--	11	27	15
Stark	55	--	--	--	--	--	--	--	--	--	--	--	16
Stephenson	435	--	--	--	--	1	1	1	--	--	35	--	201
Tazewell	1,798	--	--	12	--	--	182	1	--	--	6	39	190
Vermillion	3,858	--	--	7	--	--	112	2	--	--	57	72	28
Warren	457	--	--	--	--	--	--	--	--	--	7	4	--
Whiteside	359	--	--	10	--	--	2	1	--	--	4	15	27
Will	17,293	--	--	8	--	--	194	5	--	--	339	136	904
Winnebago	2,992	--	--	73	--	--	54	13	--	1	190	158	444
Woodford	2,040	--	--	8	--	--	362	1	--	--	11	8	55
Total	101,316	--	--	362	119	3	2,714	137	--	3	1,789	3,184	7,652
State total	147,190	34	1,414	430	143	3	6,603	168	108	102	2,280	5,072	8,807

(Table 5 continued on next page)

(Table 5 continued)

Unit and county	Species group										
	Pecan hickory	Other hickory	Hard maple	Soft maple	Red oak	White oak	Sweet-gum	Sycamore	Black walnut	Yellow-poplar	Other hard-woods
Prairie Unit											
Adams	36	81	5	78	329	536	--	2	28	--	208
Boone	15	39	3	20	61	120	--	--	16	--	--
Brown	3	12	25	39	216	116	--	2	11	--	10
Bureau	1	3	2	53	70	135	--	--	14	--	79
Carroll	1	5	2	12	135	147	--	--	15	--	16
Cass	--	1	2	4	96	105	--	1	1	--	12
Champaign	4	1	9	54	36	57	--	36	38	--	233
Christian	2	4	1	4	60	151	--	1	88	--	91
Coles	12	25	7	43	74	128	--	3	9	8	55
Cook	392	1,008	291	2,134	1,743	3,381	--	1	50	--	201
De Kalb	13	33	3	31	101	192	--	--	4	--	21
Dewitt	--	--	9	64	3	6	--	--	--	--	8
Douglas	5	11	2	6	15	20	--	3	1	4	42
Dupage	--	--	7	54	245	477	--	--	--	--	--
Edgar	6	3	21	120	46	51	--	10	48	15	60
Ford	7	23	1	7	15	30	--	--	--	--	--
Fulton	29	45	74	175	808	539	--	2	62	--	192
Grundy	48	124	10	68	122	241	--	--	--	--	460
Hancock	71	163	11	109	321	618	--	--	7	--	317
Henderson	23	21	3	33	58	112	--	--	5	--	35
Henry	--	--	11	78	246	480	--	--	28	--	145
Iroquois	26	69	22	158	235	343	--	--	16	--	413
Jo Daviess	10	26	58	403	338	533	--	--	35	--	95
Kane	6	17	6	45	244	474	--	--	1	--	170
Kankakee	13	35	32	242	247	475	--	--	--	--	54
Kendall	144	371	23	172	655	1,273	--	--	286	--	191
Knox	4	14	8	17	104	151	--	--	56	--	19
Lake	12	31	21	154	1,727	3,352	--	--	--	--	425
La Salle	1	2	22	171	112	187	--	1	11	--	381
Lee	3	10	3	25	121	231	--	--	--	--	174
Livingston	--	1	1	12	51	98	--	--	3	--	339
Logan	3	9	7	46	22	32	--	--	1	--	25
Macon	6	17	8	63	50	89	--	7	5	--	78
Marshall	--	--	34	15	115	101	--	--	7	--	9
Mason	18	47	1	2	61	108	--	--	4	--	21
McDonough	26	73	20	26	121	157	--	8	8	--	337
McHenry	91	232	45	327	4,177	8,046	--	--	--	--	482
McLean	19	49	8	67	101	198	--	17	24	1	357
Menard	--	1	3	16	24	32	--	--	5	--	78
Mercer	5	13	2	21	9	56	--	--	80	--	15
Morgan	11	40	26	107	133	93	--	4	9	--	26
Moultrie	--	--	--	--	10	20	--	--	--	--	101
Ogle	40	103	--	3	209	326	--	--	4	--	233
Peoria	18	31	47	173	354	633	--	--	11	--	41
Piatt	8	23	2	22	20	39	--	--	20	--	62
Pike	3	14	25	11	493	530	--	1	21	--	28
Putnam	--	--	15	14	67	301	--	--	6	--	--
Rock Island	2	5	12	94	132	229	--	--	38	--	194
Sangamon	3	9	9	69	76	150	--	--	37	--	188
Schuyler	4	15	44	47	291	114	--	4	13	--	--
Scott	--	1	1	1	106	133	--	1	16	--	--
Stark	--	--	--	--	10	25	--	--	2	--	2
Stephenson	1	2	5	39	44	86	--	--	1	--	18
Tazewell	48	123	18	119	231	418	--	--	89	--	322
Vermillion	250	630	42	296	384	709	--	431	361	20	457
Warren	42	103	2	22	48	90	--	--	50	--	89
Whiteside	--	1	--	12	84	155	--	--	2	--	46
Will	136	349	353	2,587	3,018	5,855	--	90	--	--	3,319
Winnebago	44	113	24	194	478	938	--	--	36	--	232
Woodford	92	241	15	27	403	708	--	--	54	--	55
Total	1,757	4,422	1,463	9,005	19,905	35,130	--	625	1,737	48	11,261
State total	3,431	7,646	2,075	11,870	35,872	43,398	622	1,365	1,963	442	13,342

Table 6.--Saw-log production by species group in Illinois, 1961 and 1983

(In thousand board feet)[1/]

Species group	1961	1983	Change
Softwoods			
Cypress	342	192	-150
Shortleaf pine	94	--	-94
Other pine	56	117	61
Redcedar	3	21	18
Other softwoods	--	14	14
Total	495	344	-151
Hardwoods			
Ash	2,845	7,280	4,435
Basswood	638	645	7
Beech	253	674	421
Blackgum	368	415	47
Cottonwood	15,988	13,726	-2,262
Elm	10,430	2,584	-7,846
Hickory	1,793	8,170	6,377
Hard maple	2,736	3,261	525
Soft maple	19,099	9,678	-9,421
Red oak	41,853	73,503	31,650
White oak	19,189	26,916	7,727
Sweetgum	2,921	2,946	25
Sycamore	5,261	2,998	-2,263
Black walnut	2,969	2,954	-15
Yellow-poplar	1,603	2,649	1,046
Other hardwoods	2,467	1,800	-667
Total	130,413	160,199	29,786
All species	130,908	160,543	29,635

[1/] International 1/4-inch rule.

Table 7.--Saw log production by Forest Survey Unit, species group, and State of destination, Illinois, 1983

(In thousand board feet)[1/]

Species group	All states	State of destination				
		Illinois	Missouri	Indiana	Iowa	Other states
ALL UNITS						
Softwoods						
Cypress	192	192	--	--	--	--
Shortleaf pine	--	--	--	--	--	--
Other pine	117	117	--	--	--	--
Redcedar	21	21	--	--	--	--
Other softwoods	14	14	--	--	--	--
Total	344	344	--	--	--	--
Hardwoods						
Ash	7,280	5,776	742	688	42	32
Basswood	645	558	21	37	29	--
Beech	674	642	10	20	--	2
Blackgum	415	314	50	49	--	2
Black cherry	868	782	--	85	1	--
Cottonwood	13,726	12,598	751	331	29	17
Elm	2,584	1,663	739	167	3	12
Pecan hickory	1,326	113	704	477	--	32
Other hickory	6,844	6,110	461	232	20	21
Hard maple	3,261	2,840	162	244	8	7
Soft maple	9,678	7,568	700	859	525	26
Red oak	73,503	67,373	3,681	2,167	177	105
White oak	26,916	21,329	3,580	1,600	312	95
Sweetgum	2,946	2,610	205	117	--	14
Sycamore	2,998	2,383	305	297	--	13
Black walnut	2,954	2,530	171	233	15	5
Yellow-poplar	2,649	1,833	121	687	--	8
Other hardwoods	932	314	572	--	22	24
Total	160,199	137,336	12,975	8,290	1,183	415
All species	160,543	137,680	12,975	8,290	1,183	415
SOUTHERN UNIT						
Softwoods						
Cypress	192	192	--	--	--	--
Shortleaf pine	--	--	--	--	--	--
Other pine	--	--	--	--	--	--
Redcedar	9	9	--	--	--	--
Other softwoods	--	--	--	--	--	--
Total	201	201	--	--	--	--
Hardwoods						
Ash	2,671	2,065	456	118	--	32
Basswood	18	4	14	--	--	--
Beech	656	630	10	14	--	2
Blackgum	370	269	50	49	--	2
Black cherry	130	123	--	7	--	--
Cottonwood	4,308	3,566	515	210	--	17
Elm	1,164	650	468	34	--	12
Pecan hickory	629	27	466	104	--	32
Other hickory	2,641	2,299	307	14	--	21
Hard maple	372	206	103	56	--	7
Soft maple	3,016	2,173	396	421	--	26
Red oak	28,969	26,443	1,911	510	--	105
White oak	6,601	4,091	2,310	105	--	95
Sweetgum	2,190	1,902	205	69	--	14
Sycamore	781	533	186	49	--	13
Black walnut	106	23	71	7	--	5
Yellow-poplar	1,891	1,678	121	84	--	8
Other hardwoods	441	50	367	--	--	24
Total	56,954	46,732	7,956	1,851	--	415
All species	57,155	46,933	7,956	1,851	--	415

(Table 7 continued on next page)

[1/] International 1/4-inch rule.

(Table 7 continued)

Species group	All states	State of destination				
		Illinois	Missouri	Indiana	Iowa	Other states
CLAYPAN UNIT						
Softwoods						
Cypress	--	--	--	--	--	--
Shortleaf pine	--	--	--	--	--	--
Other pine	--	--	--	--	--	--
Redcedar	8	8	--	--	--	--
Other softwoods	--	--	--	--	--	--
Total	8	8	--	--	--	--
Hardwoods						
Ash	3,167	2,474	284	409	--	--
Basswood	87	77	7	3	--	--
Beech	18	12	--	6	--	--
Blackgum	40	40	--	--	--	--
Black cherry	121	82	--	39	--	--
Cottonwood	5,984	5,685	235	64	--	--
Elm	607	299	269	39	--	--
Pecan hickory	592	83	236	273	--	--
Other hickory	3,732	3,401	154	177	--	--
Hard maple	1,295	1,146	56	93	--	--
Soft maple	4,274	3,614	300	360	--	--
Red oak	28,501	25,883	1,437	1,181	--	--
White oak	10,637	8,261	1,196	1,180	--	--
Sweetgum	755	707	--	48	--	--
Sycamore	1,945	1,663	117	165	--	--
Black walnut	480	326	43	111	--	--
Yellow-poplar	474	155	--	319	--	--
Other hardwoods	265	60	205	--	--	--
Total	62,974	53,968	4,539	4,467	--	--
All species	62,982	53,976	4,539	4,467	--	--
PRAIRIE UNIT						
Softwoods						
Cypress	--	--	--	--	--	--
Shortleaf pine	--	--	--	--	--	--
Other pine	117	117	--	--	--	--
Redcedar	4	4	--	--	--	--
Other softwoods	14	14	--	--	--	--
Total	135	135	--	--	--	--
Hardwoods						
Ash	1,442	1,237	2	161	42	--
Basswood	540	477	--	34	29	--
Beech	--	--	--	--	--	--
Blackgum	5	5	--	--	--	--
Black cherry	617	577	--	39	1	--
Cottonwood	3,434	3,347	1	57	29	--
Elm	813	714	2	94	3	--
Pecan hickory	105	3	2	100	--	--
Other hickory	471	410	--	41	20	--
Hard maple	1,594	1,488	3	95	8	--
Soft maple	2,388	1,781	4	78	525	--
Red oak	16,033	15,047	333	476	177	--
White oak	9,678	8,977	74	315	312	--
Sweetgum	1	1	--	--	--	--
Sycamore	272	187	2	83	--	--
Black walnut	2,368	2,181	57	115	15	--
Yellow-poplar	284	--	--	284	--	--
Other hardwoods	226	204	--	--	22	--
Total	40,271	36,636	480	1,972	1,183	--
All species	40,406	36,771	480	1,972	1,183	--

Table 8.--Saw log production by Forest Survey Unit, county and species group, Illinois, 1983

(In thousand board feet)[1/]

Unit and county	All species	Species group											
		Cypress	Short-leaf pine	Other pine	Red-cedar	Other soft-woods	Ash	Bass-wood	Beech	Black-gum	Black cherry	Cotton-wood	Elm
Southern Unit													
Alexander	3,807	39	--	--	--	--	279	2	119	51	17	278	117
Franklin	9,251	4	--	--	--	--	147	1	12	6	1	377	254
Gallatin	2,316	6	--	--	--	--	38	--	3	18	--	287	22
Hamilton	2,016	--	--	--	--	--	12	--	1	8	--	93	7
Hardin	2,655	--	--	--	3	--	62	--	31	17	13	85	34
Jackson	6,630	--	--	--	--	--	233	4	7	12	3	88	155
Johnson	4,381	42	--	--	--	--	250	4	118	70	21	169	124
Massac	1,962	19	--	--	--	--	121	--	63	20	12	81	39
Perry	2,026	--	--	--	--	--	74	1	--	5	4	27	53
Pope	2,981	13	--	--	--	--	98	1	51	36	13	131	34
Pulaski	1,003	10	--	--	--	--	62	--	30	10	5	82	20
Randolph	2,325	--	--	--	6	--	127	2	--	7	1	268	80
Saline	2,288	10	--	--	--	--	79	--	27	11	1	127	11
Union	4,636	39	--	--	--	--	292	2	131	46	24	318	139
White	6,410	--	--	--	--	--	175	--	25	40	7	1,843	21
Williamson	2,468	10	--	--	--	--	622	1	38	13	8	54	54
Total	57,155	192	--	--	9	--	2,671	18	656	370	130	4,308	1,164
Claypan Unit													
Bond	751	--	--	--	--	--	12	--	--	--	--	230	--
Calhoun	3,175	--	--	--	--	--	113	5	--	--	9	414	81
Clark	3,255	--	--	--	1	--	264	11	6	--	40	190	38
Clay	3,040	--	--	--	--	--	130	1	--	--	--	186	--
Clinton	3,605	--	--	--	--	--	434	8	--	--	1	75	--
Crawford	3,769	--	--	--	--	--	92	--	--	--	1	404	17
Cumberland	1,474	--	--	--	--	--	78	1	--	--	26	62	6
Edwards	1,380	--	--	--	--	--	113	--	1	1	--	41	--
Effingham	1,755	--	--	--	4	--	68	11	--	--	12	410	--
Fayette	3,077	--	--	--	--	--	80	1	--	--	1	625	52
Greene	1,378	--	--	--	--	--	70	9	--	--	--	118	63
Jasper	2,950	--	--	--	--	--	143	--	--	--	3	480	--
Jefferson	2,526	--	--	--	--	--	5	--	--	--	3	46	--
Jersey	2,660	--	--	--	--	--	183	24	--	--	4	84	88
Lawrence	3,903	--	--	--	--	--	55	--	--	--	--	365	3
Macoupin	2,101	--	--	--	--	--	47	2	--	--	2	14	7
Madison	918	--	--	--	--	--	54	4	--	--	--	24	23
Marion	2,948	--	--	--	--	--	252	4	--	--	3	229	--
Monroe	2,089	--	--	--	--	--	99	2	--	--	--	220	66
Montgomery	464	--	--	--	--	--	14	1	--	--	1	63	--
Richland	3,135	--	--	--	--	--	299	--	--	--	--	400	--
St. Clair	1,508	--	--	--	--	--	175	1	--	--	1	24	2
Shelby	1,107	--	--	--	--	--	53	2	--	--	1	174	--
Wabash	932	--	--	--	3	--	48	--	--	--	6	272	18
Washington	3,165	--	--	--	--	--	170	--	--	--	--	117	115
Wayne	5,917	--	--	--	--	--	116	--	11	39	7	717	28
Total	62,982	--	--	--	8	--	3,167	87	18	40	121	5,984	607

(Table 8 continued on next page)

[1/] International 1/4-inch rule.

(Table 8 continued)

Unit and county	Species group										
	Pecan hickory	Other hickory	Hard maple	Soft maple	Red oak	White oak	Sweet-gum	Sycamore	Black walnut	Yellow-poplar	Other hard-woods
Southern Unit											
Alexander	68	129	34	76	1,391	580	247	60	11	256	53
Franklin	25	385	8	434	6,630	414	487	18	4	25	19
Gallatin	56	45	65	134	1,315	140	63	25	7	92	--
Hamilton	--	164	1	102	1,455	102	37	23	--	11	--
Hardin	21	319	53	76	1,378	347	42	56	--	118	--
Jackson	126	437	28	469	4,045	667	70	81	19	48	138
Johnson	35	250	27	111	1,860	671	257	54	7	277	34
Massac	10	57	13	124	850	266	115	28	1	136	7
Perry	48	106	11	55	1,257	274	35	25	13	--	38
Pope	15	109	21	176	1,320	626	88	83	--	166	--
Pulaski	7	28	5	10	429	155	58	14	1	71	6
Randolph	87	174	16	79	741	542	32	62	12	25	64
Saline	--	54	4	73	1,505	228	83	11	--	64	--
Union	73	148	36	81	1,870	731	267	76	11	294	58
White	28	141	39	967	1,983	557	224	135	15	210	--
Williamson	30	95	11	49	940	301	85	30	5	98	24
Total	629	2,641	372	3,016	28,969	6,601	2,190	781	106	1,891	441
Claypan Unit											
Bond	--	12	--	78	380	27	--	6	6	--	--
Calhoun	74	46	70	135	1,114	754	--	253	46	--	61
Clark	89	110	115	247	976	677	41	61	96	293	--
Clay	--	172	1	206	1,429	832	--	79	3	--	1
Clinton	--	492	247	121	1,555	658	--	3	8	1	2
Crawford	43	29	--	303	2,181	283	193	221	2	--	--
Cumberland	12	39	108	93	458	463	7	10	68	43	--
Edwards	21	227	--	76	656	189	7	25	6	17	--
Effingham	--	128	67	154	602	215	--	59	25	--	--
Fayette	--	164	12	299	1,356	339	29	67	42	1	9
Greene	52	52	13	62	486	357	--	38	12	--	46
Jasper	20	85	28	427	1,357	125	106	175	1	--	--
Jefferson	--	60	--	35	1,930	408	18	18	3	--	--
Jersey	67	93	114	127	1,144	596	--	54	32	--	50
Lawrence	46	108	--	323	2,273	235	228	265	2	--	--
Macoupin	6	32	5	41	978	948	--	8	6	--	5
Madison	7	52	1	54	325	301	--	38	10	--	25
Marion	--	297	134	114	1,265	624	--	8	11	--	7
Monroe	86	108	11	99	693	537	--	76	49	--	43
Montgomery	--	13	1	19	184	143	--	12	12	--	1
Richland	37	382	--	429	1,061	384	--	114	15	14	--
St. Clair	13	213	135	24	574	322	--	18	3	--	3
Shelby	--	44	3	90	467	217	--	45	11	--	--
Wabash	19	22	--	126	292	50	11	58	7	--	--
Washington	--	444	219	--	1,503	464	--	128	--	--	5
Wayne	--	308	11	592	3,262	489	115	106	4	105	7
Total	592	3,732	1,295	4,274	28,501	10,637	755	1,945	480	474	265

(Table 8 continued on next page)

(Table 8 continued)

Unit and county	All species	Species group												
		Cypress	Short-leaf pine	Other pine	Red-cedar	Other soft-woods	Ash	Bass-wood	Beech	Black-gum	Black cherry	Cotton-wood	Elm
Prairie Unit													
Adams	1,442	--	--	--	1	--	38	12	--	--	12	58	6
Boone	179	--	--	--	--	--	5	--	--	--	3	5	81
Brown	2,050	--	--	--	--	--	47	26	--	--	9	113	8
Bureau	1,037	--	--	--	--	--	31	4	--	--	42	77	15
Carroll	1,781	--	--	4	--	--	85	10	--	--	101	142	40
Cass	559	--	--	--	--	--	7	7	--	--	1	66	--
Champaign	252	--	--	--	--	--	21	8	--	--	6	12	21
Christian	39	--	--	--	--	--	--	--	--	--	--	8	--
Coles	308	--	--	--	--	--	26	4	--	--	6	9	14
Cook	118	--	--	--	--	--	2	--	--	--	1	33	53
De Kalb	377	--	--	--	--	--	22	9	--	--	9	8	15
Dewitt	3	--	--	--	--	--	--	--	--	--	--	1	1
Douglas	153	--	--	--	--	--	12	3	--	--	3	4	7
Dupage	26	--	--	--	--	--	--	--	--	--	--	--	26
Edgar	580	--	--	--	--	--	40	8	--	--	10	18	22
Ford	--	--	--	--	--	--	--	--	--	--	--	--	--
Fulton	8,586	--	--	--	--	--	434	150	--	--	27	1250	32
Grundy	30	--	--	--	--	--	1	1	--	--	--	8	1
Hancock	252	--	--	--	2	--	1	10	--	--	3	3	--
Henderson	234	--	--	--	--	--	--	11	--	--	1	--	--
Henry	253	--	--	1	--	10	1	6	--	--	30	3	1
Iroquois	29	--	--	--	--	--	6	--	--	--	--	--	--
Jo Daviess	1,729	--	--	5	--	--	75	10	--	--	96	147	42
Kane	9	--	--	--	--	--	--	--	--	--	--	--	--
Kankakee	86	--	--	--	--	--	1	--	--	--	1	52	1
Kendall	--	--	--	--	--	--	--	--	--	--	--	--	--
Knox	703	--	--	--	--	--	18	7	--	--	15	2	1
Lake	188	--	--	5	--	--	4	--	--	--	1	14	117
La Salle	736	--	--	--	--	--	36	4	--	--	48	77	17
Lee	277	--	--	--	--	--	1	1	--	--	--	11	3
Livingston	--	--	--	--	--	--	--	--	--	--	--	--	--
Logan	94	--	--	--	--	--	4	4	--	--	--	23	--
Macon	4	--	--	--	--	--	--	--	--	--	--	--	--
Marshall	1,400	--	--	--	--	--	72	3	--	--	--	1	1
Mason	113	--	--	--	--	--	4	4	--	--	--	23	--
McDonough	879	--	--	--	--	--	9	7	--	--	8	429	--
McHenry	210	--	--	--	--	--	8	--	--	--	2	8	108
McLean	6	--	--	--	--	--	--	--	--	--	--	--	--
Menard	118	--	--	--	--	--	4	4	--	--	--	23	--
Mercer	698	--	--	--	--	--	14	3	--	--	35	--	--
Morgan	1,490	--	--	--	--	--	47	1	--	--	1	116	7
Moultrie	7	--	--	--	--	--	--	--	--	--	--	1	--
Ogle	930	--	--	90	--	1	21	51	--	--	17	68	55
Peoria	435	--	--	--	--	--	11	5	--	--	5	7	1
Piatt	--	--	--	--	--	--	--	--	--	--	--	--	--
Pike	3,186	--	--	--	1	--	66	29	--	--	14	11	19
Putnam	898	--	--	--	--	--	43	4	--	--	2	--	1
Rock Island	558	--	--	--	--	--	17	7	--	--	24	28	8
Sangamon	258	--	--	1	--	--	2	1	--	--	11	17	2
Schuyler	2,920	--	--	--	--	--	46	47	--	--	18	262	4
Scott	610	--	--	--	--	--	2	1	--	--	1	177	--
Stark	33	--	--	--	--	--	--	--	--	--	--	1	--
Stephenson	136	--	--	1	--	3	5	9	--	--	9	1	11
Tazewell	627	--	--	--	--	--	33	4	--	--	1	1	1
Vermillion	710	--	--	--	--	--	57	11	--	--	14	19	30
Warren	374	--	--	--	--	--	--	3	--	--	7	--	--
Whiteside	505	--	--	--	--	--	15	6	--	--	9	28	15
Will	77	--	--	--	--	--	1	--	--	--	1	46	1
Winnebago	314	--	--	10	--	--	12	41	--	5	11	22	24
Woodford	800	--	--	--	--	--	35	4	--	--	2	1	1
Total	40,406	--	--	117	4	14	1,442	540	--	5	617	3,434	813
State total	160,543	192	--	117	21	14	7,280	645	674	415	868	13,726	2,584

(Table 8 continued on next page)

(Table 8 continued)

Unit and county	Species group										
	Pecan hickory	Other hickory	Hard maple	Soft maple	Red oak	White oak	Sweet-gum	Sycamore	Black walnut	Yellow-poplar	Other hard-woods
Prairie Unit											
Adams	1	11	8	306	570	320	--	11	66	--	22
Boone	--	--	--	--	25	60	--	--	--	--	--
Brown	--	25	133	106	1,143	392	--	12	36	--	--
Bureau	--	1	2	207	210	389	--	--	31	--	28
Carroll	--	8	1	1	660	613	--	--	60	--	56
Cass	--	4	14	20	316	106	--	7	11	--	--
Champaign	23	8	12	10	61	40	--	18	12	--	--
Christian	--	1	--	--	12	13	--	4	1	--	--
Coles	14	6	15	12	74	49	--	12	16	51	--
Cook	--	1	--	--	12	12	--	3	--	--	1
De Kalb	--	1	2	28	100	177	--	1	1	--	4
Dewitt	--	--	--	--	1	--	--	--	--	--	--
Douglas	7	3	7	6	36	25	--	6	8	26	--
Dupage	--	--	--	--	--	--	--	--	--	--	--
Edgar	23	11	26	22	147	113	--	20	33	87	--
Ford	--	--	--	--	--	--	--	--	--	--	--
Fulton	--	123	341	417	3,906	1,787	--	12	107	--	--
Grundy	--	1	--	--	1	13	--	1	1	--	2
Hancock	--	9	3	95	43	67	--	3	12	--	1
Henderson	--	3	--	52	50	117	--	--	--	--	--
Henry	--	--	1	--	36	89	--	--	75	--	--
Iroquois	--	--	--	--	15	8	--	--	--	--	--
Jo Daviess	--	1	23	23	634	533	--	--	85	--	55
Kane	--	--	--	--	--	2	--	--	7	--	--
Kankakee	--	1	--	--	18	8	--	3	--	--	1
Kendall	--	--	--	--	--	--	--	--	--	--	--
Knox	--	7	36	26	201	172	--	--	218	--	--
Lake	--	1	--	--	16	29	--	--	1	--	--
La Salle	--	3	1	--	225	242	--	7	47	--	29
Lee	--	7	--	28	83	141	--	--	1	--	1
Livingston	--	--	--	--	--	--	--	--	--	--	--
Logan	--	4	4	10	37	4	--	--	4	--	--
Macon	--	--	--	--	1	3	--	--	--	--	--
Marshall	--	3	197	79	585	419	--	--	40	--	--
Mason	--	4	4	10	37	4	--	--	23	--	--
McDonough	--	55	6	50	133	100	--	52	30	--	--
McHenry	--	1	--	--	37	45	--	--	1	--	--
McLean	--	--	--	--	1	4	--	--	1	--	--
Menard	--	4	4	10	54	11	--	--	4	--	--
Mercer	--	--	3	50	50	35	--	--	508	--	--
Morgan	--	32	83	80	693	357	--	24	49	--	--
Moultrie	--	1	--	1	3	1	--	--	--	--	--
Ogle	--	7	1	19	272	306	--	--	16	--	6
Peoria	--	7	28	11	268	79	--	--	13	--	--
Piatt	--	--	--	--	--	--	--	--	--	--	--
Pike	3	36	148	65	1,778	889	--	9	118	--	--
Putnam	--	3	86	78	386	256	--	--	39	--	--
Rock Island	--	--	1	--	147	130	--	--	188	--	8
Sangamon	--	5	--	23	58	115	1	1	17	--	4
Schuyler	--	27	231	277	1,570	367	--	27	44	--	--
Scott	--	4	6	6	297	104	--	8	4	--	--
Stark	--	--	--	--	--	32	--	--	--	--	--
Stephenson	--	3	--	--	36	52	--	--	6	--	--
Tazewell	--	6	51	34	282	194	--	--	20	--	--
Vermillion	33	14	36	29	170	113	--	28	36	120	--
Warren	--	--	--	19	16	18	--	--	311	--	--
Whiteside	--	4	1	57	134	215	--	--	16	--	5
Will	--	1	--	--	15	8	--	3	--	--	1
Winnebago	--	7	3	62	18	86	--	--	12	--	1
Woodford	1	7	76	59	360	214	--	--	39	--	1
Total	105	471	1,594	2,388	16,033	9,678	1	272	2,368	284	226
State total	1,326	6,844	3,261	9,678	73,503	26,916	2,946	2,998	2,954	2,649	932

Table 9.--Saw log receipts in Illinois by Forest Survey Unit, species group, and area of origin, 1983

(In thousand board feet)[1/]

Species group	All areas	Area of origin					
		Illinois	Wisconsin	Missouri	Indiana	Iowa	Kentucky
ALL UNITS							
Softwoods							
Cypress	212	192	--	10	--	--	10
Other pine	117	117	--	--	--	--	--
Redcedar	21	21	--	--	--	--	--
Other softwoods	14	14	--	--	--	--	--
Total	364	344	--	10	--	--	10
Hardwoods							
Ash	6,083	5,776	113	69	22	55	48
Basswood	586	558	28	--	--	--	--
Beech	688	642	--	23	--	--	23
Blackgum	340	314	--	10	--	--	16
Black cherry	943	782	48	8	7	97	1
Cottonwood	13,794	12,598	127	119	817	69	64
Elm	3,321	1,663	1,557	38	39	14	10
Pecan hickory	130	113	--	--	3	--	14
Other hickory	6,212	6,110	--	49	25	--	28
Hard maple	2,920	2,840	--	32	23	--	25
Soft maple	7,744	7,568	7	11	81	--	77
Red oak	70,019	67,373	447	1,221	477	276	225
White oak	22,798	21,329	605	411	170	235	48
Sweetgum	2,714	2,610	--	48	8	--	48
Sycamore	2,502	2,383	--	60	55	--	4
Black walnut	3,040	2,530	22	311	11	166	--
Yellow-poplar	1,929	1,833	--	48	--	--	48
Other hardwoods	367	314	18	--	7	28	--
Total	146,130	137,336	2,972	2,458	1,745	940	679
All species	146,494	137,680	2,972	2,468	1,745	940	689
SOUTHERN UNIT							
Softwoods							
Cypress	212	192	--	10	--	--	10
Other pine	--	--	--	--	--	--	--
Redcedar	9	9	--	--	--	--	--
Other softwoods	--	--	--	--	--	--	--
Total	221	201	--	10	--	--	10
Hardwoods							
Ash	2,182	2,086	--	48	--	--	48
Basswood	4	4	--	--	--	--	--
Beech	688	642	--	23	--	--	23
Blackgum	307	281	--	10	--	--	16
Black cherry	125	123	--	1	--	--	1
Cottonwood	3,822	3,722	--	36	--	--	64
Elm	669	649	--	10	--	--	10
Pecan hickory	30	16	--	--	--	--	14
Other hickory	2,479	2,437	--	14	--	--	28
Hard maple	246	217	--	4	--	--	25
Soft maple	2,380	2,299	--	4	--	--	77
Red oak	25,731	25,338	--	168	--	--	225
White oak	4,378	4,282	--	48	--	--	48
Sweetgum	2,008	1,912	--	48	--	--	48
Sycamore	581	573	--	4	--	--	4
Black walnut	22	22	--	--	--	--	--
Yellow-poplar	1,855	1,759	--	48	--	--	48
Other hardwoods	49	49	--	--	--	--	--
Total	47,556	46,411	--	466	--	--	679
All species	47,777	46,612	--	476	--	--	689

(Table 9 continued on next page)

[1/] International 1/4-inch rule.

(Table 9 continued)

CLAYPAN UNIT

Species group	All areas	Area of origin					
		Illinois	Wisconsin	Missouri	Indiana	Iowa	Kentucky
Softwoods							
Cypress	--	--	--	--	--	--	--
Other pine	--	--	--	--	--	--	--
Redcedar	8	8	--	--	--	--	--
Other softwoods	--	--	--	--	--	--	--
Total	8	8	--	--	--	--	--
Hardwoods							
Ash	2,371	2,346	--	21	4	--	--
Basswood	55	55	--	--	--	--	--
Blackgum	28	28	--	--	--	--	--
Black cherry	85	78	--	7	--	--	--
Cottonwood	5,832	5,463	--	83	286	--	--
Elm	358	298	--	28	32	--	--
Pecan hickory	87	84	--	--	3	--	--
Other hickory	3,337	3,284	--	35	18	--	--
Hard maple	933	905	--	28	--	--	--
Soft maple	3,393	3,328	--	7	58	--	--
Red oak	26,921	25,669	--	1,049	203	--	--
White oak	7,683	7,328	--	345	10	--	--
Sweetgum	705	697	--	--	8	--	--
Sycamore	1,708	1,645	--	55	8	--	--
Black walnut	247	247	--	--	--	--	--
Yellow-poplar	60	60	--	--	--	--	--
Other hardwoods	61	61	--	--	--	--	--
Total	53,864	51,576	--	1,658	630	--	--
All species	53,872	51,584	--	1,658	630	--	--

PRAIRIE UNIT

Softwoods							
Cypress	--	--	--	--	--	--	--
Other pine	117	117	--	--	--	--	--
Redcedar	4	4	--	--	--	--	--
Other softwoods	14	14	--	--	--	--	--
Total	135	135	--	--	--	--	--
Hardwoods							
Ash	1,530	1,344	113	--	18	55	--
Basswood	527	499	28	--	--	--	--
Blackgum	5	5	--	--	--	--	--
Black cherry	733	581	48	--	7	97	--
Cottonwood	4,140	3,413	127	--	531	69	--
Elm	2,294	716	1,557	--	7	14	--
Pecan hickory	13	13	--	--	--	--	--
Other hickory	396	389	--	--	7	--	--
Hard maple	1,741	1,718	--	--	23	--	--
Soft maple	1,971	1,941	7	--	23	--	--
Red oak	17,367	16,366	447	4	274	276	--
White oak	10,737	9,719	605	18	160	235	--
Sweetgum	1	1	--	--	--	--	--
Sycamore	213	165	--	1	47	--	--
Black walnut	2,771	2,261	22	311	11	166	--
Yellow-poplar	14	14	--	--	--	--	--
Other hardwoods	257	204	18	--	7	28	--
Total	44,710	39,349	2,972	334	1,115	940	--
All species	44,845	39,484	2,972	334	1,115	940	--

Table 10.--Pulpwood production in Illinois by species group, 1965, 1970, 1975, 1980, and 1983

(In standard cords, unpeeled)[1/]

Species group	1965	1970	1975	1980	1983
Roundwood[2/]					
Softwoods	3,311	1,280	1,858	18,468	18,201
Soft hardwoods	56,552	33,571	14,754	13,332	19,638
Hard hardwoods	17,486	31,708	15,547	25,034	19,183
Total	77,349	66,559	32,159	56,834	57,022
Residue					
Softwoods	778	1,401	4,184	892	3,395
Hardwoods	13,582	50,060	68,693	44,691	30,509
Total	14,360	51,461	72,877	45,583	33,904
All material	91,709	118,020	105,036	102,417	90,926

[1/] 128 cubic feet consisting of 79 cubic feet of wood and 49 cubic feet of bark and air space.

[2/] Includes chips from roundwood.

Table 11.--Pulpwood production by species group and Forest Survey Unit, Illinois, 1983

(In standard cords, unpeeled)[1/]

Species group	All Units	Forest Survey Unit		
		Southern	Claypan	Prairie
Roundwood[2/]				
Shortleaf pine	17,899	17,899	--	--
Other pine	302	--	--	302
Ash	3,296	2,707	166	423
Blackgum	416	416	--	--
Cottonwood	8,982	1,148	361	7,473
Elm	1,138	419	68	651
Pecan hickory	2,534	1,457	138	939
Other hickory	1,407	951	89	367
Hard maple	832	621	31	180
Soft maple	5,135	3,513	612	1,010
Red oak	5,759	4,728	440	591
White oak	5,358	4,342	429	587
Sweetgum	1,758	1,758	--	--
Sycamore	2,079	1,672	258	149
Yellow-poplar	127	127	--	--
Total	57,022	41,758	2,592	12,672
Residue				
Softwoods	3,395	[3/]	[3/]	[3/]
Hardwoods	30,509	[3/]	[3/]	[3/]
Total	33,904	[3/]	[3/]	[3/]
All material	90,926	[3/]	[3/]	[3/]

[1/] 128 cubic feet consisting of 79 cubic feet of wood and 49 cubic feet of bark and air space.

[2/] Includes chips from roundwood.

[3/] Not available.

Table 12.--Veneer log production by species group, Illinois, 1966, 1970, 1976, and 1983

(In thousand board feet)[1/]

Species group	1966	1970	1976	1983
Ash	13	6	29	18
Basswood	22	21	--	--
Gum	133	164	24	--
Black cherry	4	--	1	--
Cottonwood	2,131	1,684	1,486	7
Pecan hickory	163	238	163	85
Hard maple	36	21	4	--
Soft maple	90	180	292	--
Red oak	868	186	221	540
White oak	71	172	1,262	2,555
Sycamore	202	142	72	--
Walnut	2,372	1,842	942	760
Yellow-poplar	521	22	26	2
Other hardwoods	901	3	11	3
All species	7,527	4,681	4,533	3,970

[1/] International 1/4-inch rule.

Table 13.--Veneer log production by species group and State or country of destination, Illinois, 1983

(In thousand board feet)[1/]

		Destination of wood						
Species group	Total	Illinois	Indiana	Michigan	Wisconsin	Missouri	Other States	Other Countries
Hardwoods								
Ash	18	--	1	--	15	--	2	--
Cottonwood	7	7	--	--	--	--	--	--
Elm	3	--	--	--	--	3	--	--
Pecan hickory	85	--	82	--	--	--	3	--
Red oak	540	--	89	28	263	--	23	137
White oak	2,555	--	1,440	515	16	250	159	175
Black walnut	760	--	302	28	--	40	133	257
Yellow-poplar	2	2	--	--	--	--	--	--
All species	3,970	9	1,914	571	294	293	320	569

[1/] International 1/4-inch rule.

Table 14.--Veneer log production by Forest Survey Unit, county, and species group, Illinois, 1983

(In thousand board feet)[1/]

Unit and county	All species	Species group							
		Ash	Cotton-wood	Elm	Pecan hickory	Red oak	White oak	Black walnut	Yellow-poplar
Southern Unit									
Franklin	16	--	--	--	--	--	16	--	--
Gallatin	92	--	--	--	34	6	52	--	--
Hamilton	52	--	--	--	--	--	52	--	--
Hardin	66	--	--	--	23	--	43	--	--
Jackson	128	8	--	--	--	95	16	9	--
Johnson	53	--	--	--	--	--	53	--	--
Pope	132	7	--	--	--	77	38	10	--
Pulaski	5	--	--	--	--	--	5	--	--
Randloph	55	--	2	--	--	53	--	--	--
Saline	44	--	--	--	--	--	44	--	--
Union	195	--	5	1	--	52	116	19	2
White	55	--	--	--	22	--	33	--	--
Williamson	51	--	--	--	--	--	41	10	--
Total	944	15	7	1	79	283	509	48	2
Claypan Unit									
Calhoun	123	--	--	--	--	17	84	22	--
Clark	42	--	--	--	--	--	--	42	--
Crawford	30	--	--	--	--	--	--	30	--
Edwards	22	--	--	--	--	--	22	--	--
Fayette	63	--	--	--	--	--	50	13	--
Greene	235	--	--	--	--	7	216	12	--
Jersey	271	--	--	--	--	7	252	12	--
Lawrence	67	1	--	--	3	29	9	25	--
Macoupin	43	--	--	--	--	11	14	18	--
Montgomery	25	--	--	--	--	7	8	10	--
Shelby	33	--	--	--	--	9	10	14	--
Wabash	115	--	--	--	--	11	104	--	--
Total	1,069	1	--	--	3	98	769	198	--
Prairie Unit									
Adams	299	--	--	--	--	18	257	24	--
Brown	33	--	--	--	--	--	33	--	--
Carroll	8	--	--	--	--	--	--	8	--
Cass	32	--	--	--	--	--	32	--	--
Edgar	22	--	--	--	--	--	11	11	--
Fulton	146	--	--	--	--	25	58	63	--
Hancock	105	--	--	--	--	7	62	36	--
Henderson	32	--	--	--	--	--	3	29	--
Henry	24	2	--	--	3	6	6	7	--
Jo Daviess	55	--	--	--	--	15	18	22	--
Knox	84	--	--	--	--	18	17	49	--
Marshall	12	--	--	--	--	--	5	7	--
Mason	7	--	--	--	--	--	--	7	--
McDonough	188	--	--	--	--	--	161	27	--
Mercer	30	--	--	--	--	3	3	24	--
Morgan	35	--	--	--	--	--	35	--	--
Ogle	21	--	--	--	--	6	7	8	--
Peoria	217	--	--	2	--	7	156	52	--
Pike	137	--	--	--	--	20	91	26	--
Rock Island	36	--	--	--	--	12	13	11	--
Sangamon	12	--	--	--	--	--	3	9	--
Schuyler	60	--	--	--	--	8	10	42	--
Scott	21	--	--	--	--	--	21	--	--
Stark	33	--	--	--	--	9	8	16	--
Tazewell	202	--	--	--	--	--	202	--	--
Vermillion	16	--	--	--	--	--	--	16	--
Warren	26	--	--	--	--	3	3	20	--
Whiteside	4	--	--	--	--	2	2	--	--
Woodford	60	--	--	--	--	--	60	--	--
Total	1,957	2	--	2	3	159	1,277	514	--
State total	3,970	18	7	3	85	540	2,555	760	2

[1/] International 1/4-inch rule.

Table 15.--Fuelwood production from roundwood by species group, Forest Survey Unit and county, Illinois, 1983

(In standard cords, unpeeled)[1/]

Unit and county	All species	Species group									
		Short-leaf pine	Other pine	Red-cedar	Ash	Bass-wood	Black-gum	Black cherry	Cotton-wood	Elm	Pecan hickory
Southern Unit											
Alexander	4	--	--	--	--	--	--	--	--	--	--
Franklin	7,966	--	--	--	118	--	--	5	--	128	157
Gallatin	1,398	--	--	--	833	--	--	--	--	128	199
Hamilton	8,548	--	--	--	1,348	--	--	--	--	128	756
Hardin	3,747	--	--	--	--	--	--	--	--	--	16
Jackson	7,032	--	--	--	204	--	--	2	--	254	234
Johnson	1,656	--	1	--	153	--	--	--	--	--	71
Massac	837	--	--	--	18	--	15	--	--	34	102
Perry	5,649	--	--	--	41	--	--	73	--	110	194
Pope	4,229	--	--	--	1,367	--	--	--	--	--	193
Pulaski	11,275	--	--	--	2,188	--	--	633	--	346	1,177
Randolph	14,419	--	--	--	3,142	--	--	159	--	748	1,148
Saline	1,827	33	--	--	380	--	--	237	2	1	5
Union	10,090	--	--	272	1,038	--	--	6	--	600	583
White	2,266	--	--	--	572	--	--	9	--	--	303
Williamson	7,626	--	--	--	802	--	--	781	--	188	155
Total	88,569	33	1	272	12,204	--	15	1,905	2	2,665	5,293
Claypan Unit											
Bond	6,957	--	--	--	1,546	217	--	328	--	115	327
Calhoun	737	--	--	--	--	--	--	--	--	68	33
Clark	16,662	--	--	--	3,485	--	--	645	--	--	654
Clay	2,426	--	43	--	259	--	--	--	--	--	189
Clinton	5,942	--	--	--	2,317	--	--	103	--	41	69
Crawford	18,929	--	--	--	2,808	--	--	674	--	466	811
Cumberland	6,328	--	--	--	667	--	--	818	--	340	461
Edwards	4,164	--	--	--	85	--	--	--	--	--	198
Effingham	3,957	--	--	--	846	--	--	6	13	14	468
Fayette	7,930	--	--	--	--	--	--	--	--	--	712
Greene	9,107	--	--	--	457	--	--	126	--	817	989
Jasper	3,356	--	--	--	--	--	--	--	352	353	275
Jefferson	4,116	--	--	2	123	--	--	113	--	80	238
Jersey	11,002	--	--	--	801	--	--	--	--	596	267
Lawrence	2,098	--	--	--	1,104	--	--	--	--	1	52
Macoupin	5,734	--	--	--	45	--	--	400	--	448	246
Madison	24,174	--	705	9	3,127	--	--	442	936	1,899	281
Marion	8,983	--	--	--	590	--	--	2	--	127	1,508
Monroe	4,801	--	--	--	--	--	--	126	--	91	440
Montgomery	7,530	--	--	--	--	--	--	142	--	--	78
Richland	2,746	--	--	--	462	--	--	--	--	--	158
St. Clair	17,844	--	239	--	1,119	--	--	3	654	1,322	1,692
Shelby	9,552	--	--	--	188	--	--	141	648	515	647
Wabash	6,563	--	--	--	10	--	--	113	--	165	1,126
Washington	13,331	--	--	--	--	--	--	304	--	1,652	1,541
Wayne	10,344	--	--	--	1,051	--	--	160	--	169	692
Total	215,313	--	987	11	21,090	217	--	4,646	2,603	9,279	14,152

(Table 15 continued on next page)

[1/] 128 cubic feet, consisting of 70 cubic feet of wood and 58 cubic feet of bark and air space.

(Table 15 continued)

Unit and county	Species group									
	Other hickory	Hard maple	Soft maple	Red oak	White oak	Sweet-gum	Sycamore	Black walnut	Yellow-poplar	Other hard-woods
Southern Unit										
Alexander	1	--	--	2	1	--	--	--	--	--
Franklin	246	30	133	3,839	2,066	--	--	569	--	675
Gallatin	47	--	--	68	38	4	4	--	--	77
Hamilton	1,185	190	863	2,609	1,469	--	--	--	--	--
Hardin	26	--	--	2,371	1,334	--	--	--	--	--
Jackson	365	28	125	3,687	2,074	--	5	--	3	51
Johnson	110	--	--	846	475	--	--	--	--	--
Massac	111	6	27	275	153	84	--	--	10	2
Perry	303	2	11	3,091	1,739	--	85	--	--	--
Pope	302	--	--	1,386	780	--	--	--	--	201
Pulaski	1,841	1	5	3,243	1,825	--	--	--	--	16
Randolph	1,626	380	1,729	3,315	1,864	--	159	--	--	149
Saline	8	--	--	557	314	--	290	--	--	--
Union	914	48	221	3,665	2,061	--	--	--	1	681
White	473	17	79	516	290	--	--	--	--	7
Williamson	241	212	963	2,513	1,460	--	--	--	--	311
Total	7,799	914	4,156	31,983	17,943	88	543	569	14	2,170
Claypan Unit										
Bond	513	56	239	1,618	1,495	--	--	--	--	503
Calhoun	51	--	--	304	281	--	--	--	--	--
Clark	1,022	92	393	2,620	2,579	--	--	--	--	5,172
Clay	295	9	40	828	763	--	--	--	--	--
Clinton	108	7	29	1,249	1,152	--	--	--	--	867
Crawford	1,270	96	409	5,615	5,184	--	--	--	--	1,596
Cumberland	721	106	452	1,158	1,071	--	--	--	--	534
Edwards	309	177	754	829	764	--	--	423	--	625
Effingham	730	5	12	964	889	--	--	2	--	8
Fayette	1,113	--	--	3,540	2,565	--	--	--	--	--
Greene	1,545	165	704	1,868	2,152	--	--	39	--	245
Jasper	430	--	--	1,012	934	--	--	--	--	--
Jefferson	374	69	294	1,106	1,389	--	--	--	--	328
Jersey	418	484	2,065	2,684	2,751	--	--	17	--	919
Lawrence	82	--	1	73	68	--	--	--	--	717
Macoupin	383	121	515	677	799	--	--	113	--	1,987
Madison	441	778	3,529	3,781	4,164	--	817	184	--	3,081
Marion	2,357	307	1,308	1,750	970	--	--	--	--	64
Monroe	688	183	779	1,297	1,197	--	--	--	--	--
Montgomery	122	52	223	1,046	2,578	--	--	--	--	3,289
Richland	247	--	--	977	902	--	--	--	--	--
St. Clair	2,645	139	597	3,878	3,579	--	778	289	--	910
Shelby	1,011	231	980	2,453	2,264	--	--	6	--	468
Wabash	1,761	220	935	1,018	939	--	--	--	--	276
Washington	2,410	21	88	2,982	3,725	--	--	--	--	608
Wayne	1,083	16	69	3,562	3,288	--	--	--	--	254
Total	22,129	3,334	14,415	48,889	48,442	--	1,595	1,073	--	22,451

(Table 15 continued on next page)

(Table 15 continued)

Unit and county	All species	Species group									
		Short-leaf pine	Other pine	Red-cedar	Ash	Bass-wood	Black-gum	Black cherry	Cotton-wood	Elm	Pecan hickory
Prairie Unit											
Adams	17,937	--	369	167	283	--	--	172	--	2,282	434
Boone	4,622	--	--	--	235	--	--	117	--	529	216
Brown	2,017	--	--	--	144	--	--	88	56	56	48
Bureau	3,194	--	--	--	--	--	--	6	--	135	16
Carroll	1,437	--	--	--	--	--	--	43	--	--	21
Cass	1,979	--	--	--	--	--	--	--	--	35	4
Champaign	9,358	--	97	30	204	50	--	208	1,012	1,523	--
Christian	5,740	--	--	--	--	--	--	--	--	--	26
Coles	4,327	--	--	--	--	--	--	66	--	--	133
Cook	157,333	--	1,511	--	2,317	455	--	3,416	8,195	10,064	5,598
De Kalb	5,334	--	--	--	62	--	--	249	--	57	187
Dewitt	1,273	--	--	--	--	--	--	--	--	--	--
Douglas	1,165	--	--	--	86	--	--	--	--	--	61
Dupage	29,179	--	--	--	6,912	--	--	2	1	11,042	1
Edgar	4,739	--	--	--	--	--	--	208	1,085	--	--
Ford	1,196	--	--	--	8	--	--	--	--	3	119
Fulton	12,352	--	11	--	19	--	--	302	275	1,675	93
Grundy	18,736	--	--	--	2,558	--	--	95	282	461	693
Hancock	24,168	--	--	--	2,197	--	--	512	--	455	876
Henderson	3,964	--	--	--	86	--	--	677	6	460	77
Henry	20,341	--	--	--	149	--	--	172	8	6,399	--
Iroquois	23,976	--	42	--	1,178	--	--	--	4,390	--	385
Jo Daviess	26,042	--	--	--	1,610	61	--	19	--	6,274	147
Kane	19,699	--	--	--	--	--	--	--	--	5,894	94
Kankakee	21,138	--	4	--	550	--	--	359	224	4,306	195
Kendall	46,257	--	--	637	1,547	--	--	--	--	114	2,063
Knox	5,302	--	42	--	--	--	--	216	--	1,386	77
Lake	83,119	--	--	--	--	--	--	1,381	--	45	172
La Salle	16,257	--	84	--	38	--	--	129	1,068	3,537	10
Lee	8,722	--	22	--	--	--	--	622	390	205	50
Livingston	8,288	--	300	--	284	--	--	--	1	433	7
Logan	2,195	--	--	--	--	--	--	--	--	408	46
Macon	8,076	--	109	--	268	--	--	279	2,912	967	24
Marshall	941	--	--	--	140	--	--	--	--	--	--
Mason	3,699	--	--	--	191	--	--	--	--	--	253
McDonough	10,194	--	--	--	--	--	--	4	--	529	348
McHenry	207,898	--	--	--	841	--	--	2,687	2,586	10,548	1,288
McLean	10,889	--	--	--	709	--	--	195	667	310	186
Menard	2,629	--	--	--	--	--	--	364	--	220	--
Mercer	1,529	--	--	--	--	--	--	--	102	--	69
Morgan	4,245	--	--	--	17	--	--	35	--	957	174
Moultrie	2,007	--	--	--	--	--	--	--	--	116	--
Ogle	12,439	--	--	338	7	--	--	490	--	2	568
Peoria	21,524	--	13	--	--	--	--	160	365	3,899	163
Piatt	3,473	--	--	--	--	--	--	--	54	623	132
Pike	10,521	--	--	--	--	--	--	--	--	1,990	46
Putnam	3,701	--	--	--	1	--	--	--	--	3	--
Rock Island	9,732	--	268	--	--	--	--	283	--	231	28
Sangamon	10,387	--	21	--	13	--	33	1,437	--	1,725	47
Schuyler	1,661	--	--	--	--	--	--	--	--	236	66
Scott	3,053	--	--	--	--	--	--	157	--	227	--
Stark	655	--	--	--	--	--	--	--	--	226	--
Stephenson	5,972	--	--	--	--	--	--	492	--	2,849	12
Tazewell	23,694	--	169	--	2,539	--	--	85	555	2,716	683
Vermillion	53,394	--	99	--	1,415	--	--	778	990	335	3,489
Warren	5,607	--	--	--	--	--	--	87	--	1	569
Whiteside	3,962	--	141	--	3	--	--	36	157	363	--
Will	246,879	--	114	--	2,770	77	--	4,832	1,849	12,914	1,941
Winnebago	42,089	--	1,003	--	760	103	--	2,692	2,229	6,302	624
Woodford	27,130	--	114	--	5,099	--	--	148	115	776	1,331
Total	1,329,366	--	4,533	1,172	35,240	746	33	24,300	29,574	106,843	23,890
State total	1,633,248	33	5,521	1,455	68,534	963	48	30,851	32,179	118,787	43,335

(Table 15 continued on next page)

(Table 15 continued)

Unit and county	Species group									
	Other hickory	Hard maple	Soft maple	Red oak	White oak	Sweet-gum	Sycamore	Black walnut	Yellow-poplar	Other hard-woods
Prairie Unit										
Adams	1,114	53	387	3,285	6,374	--	--	220	--	2,797
Boone	554	39	286	818	1,591	--	--	226	--	11
Brown	121	40	298	324	630	--	--	71	--	141
Bureau	40	35	254	509	1,007	--	--	135	--	1,057
Carroll	54	23	169	323	628	--	--	71	--	105
Cass	9	1	14	611	1,186	--	--	1	--	118
Champaign	--	101	738	370	718	--	465	520	--	3,322
Christian	67	10	68	846	2,137	--	--	1,270	--	1,316
Coles	341	76	560	877	1,704	--	--	87	--	483
Cook	14,395	4,157	30,490	24,874	48,283	--	--	712	--	2,866
De Kalb	481	45	391	1,197	2,326	--	--	57	--	282
Dewitt	--	124	910	41	79	--	--	--	--	119
Douglas	156	--	--	88	171	--	--	--	--	603
Dupage	4	106	787	3,509	6,810	--	--	4	--	1
Edgar	--	191	1,397	138	269	--	--	601	--	850
Ford	306	15	106	216	422	--	--	--	--	1
Fulton	236	179	1,314	1,897	3,119	--	--	535	--	2,697
Grundy	1,782	132	968	1,764	3,423	--	--	--	--	6,578
Hancock	2,253	143	1,059	4,376	8,495	--	--	--	--	3,802
Henderson	200	15	113	623	1,210	--	--	--	--	497
Henry	--	151	1,108	3,417	6,633	--	--	224	--	2,080
Iroquois	993	309	2,262	3,345	4,932	--	--	230	--	5,910
Jo Daviess	376	779	5,716	3,253	6,314	--	--	269	--	1,224
Kane	244	90	659	3,490	6,777	--	--	4	--	2,447
Kankakee	502	473	3,468	3,497	6,786	--	--	--	--	774
Kendall	5,305	334	2,451	9,362	18,175	--	--	4,093	--	2,176
Knox	198	26	189	965	1,709	--	--	211	--	283
Lake	443	302	2,221	24,643	47,833	--	--	4	--	6,075
La Salle	24	315	2,451	1,074	2,086	--	--	63	--	5,378
Lee	129	39	288	1,526	2,963	--	--	--	--	2,488
Livingston	21	24	174	733	1,422	--	--	61	--	4,828
Logan	117	85	622	225	437	--	--	--	--	255
Macon	63	124	908	452	793	--	94	88	--	995
Marshall	--	3	19	215	416	--	--	--	--	148
Mason	650	--	--	785	1,526	--	--	--	--	294
McDonough	896	273	257	1,389	1,684	--	--	--	--	4,814
McHenry	3,312	637	4,677	59,573	114,851	--	--	--	--	6,898
McLean	479	117	962	1,149	2,231	--	240	347	8	3,289
Menard	--	27	199	220	426	--	--	59	--	1,114
Mercer	180	26	192	22	721	--	--	--	--	217
Morgan	494	182	1,336	219	427	--	--	35	--	369
Moultrie	--	--	--	154	298	--	--	--	--	1,439
Ogle	1,463	--	--	2,315	3,922	--	--	20	--	3,314
Peoria	419	591	2,394	4,385	8,512	--	--	48	--	575
Piatt	340	45	322	291	562	--	--	284	--	820
Pike	117	--	--	2,704	5,249	--	--	26	--	389
Putnam	--	--	3	10	3,684	--	--	--	--	--
Rock Island	73	183	1,341	1,513	2,938	--	--	115	--	2,759
Sangamon	118	127	926	957	1,861	--	--	490	--	2,632
Schuyler	169	77	--	379	734	--	--	--	--	--
Scott	--	--	--	830	1,612	--	--	227	--	--
Stark	--	--	--	134	261	--	--	--	--	34
Stephenson	31	78	574	568	1,104	--	--	4	--	260
Tazewell	1,755	138	1,633	2,628	5,101	--	--	1,217	--	4,475
Vermillion	8,970	524	4,159	5,084	9,867	--	6,097	5,053	--	6,534
Warren	1,462	38	275	646	1,255	--	--	--	--	1,274
Whiteside	--	3	40	875	1,698	--	--	--	--	646
Will	4,989	5,038	36,950	43,077	83,620	--	1,291	4	--	47,413
Winnebago	1,604	359	2,639	6,788	13,175	--	--	494	--	3,317
Woodford	3,421	34	246	4,899	9,507	--	--	642	--	798
Total	61,470	17,036	121,970	244,477	474,684	--	8,187	18,822	8	156,381
State total	91,398	21,284	140,541	325,349	541,069	88	10,325	20,464	22	181,002

Table 16.--Production of posts, handle bolts, mine timbers, and miscellaneous products[1/] by Forest Survey Unit, county, and species group, Illinois, 1983

(In thousand cubic feet)

Unit and county	All species	Species group								
		Redcedar	Ash	Elm	Pecan hickory	Other hickory	Red oak	White oak	Black walnut	Other species
Southern Unit										
Alexander	11	--	--	--	--	9	--	2	--	--
Franklin	2	--	--	--	--	--	--	2	--	--
Hardin	54	--	11	--	--	--	30	13	--	--
Jackson	18	--	11	--	--	--	1	6	--	--
Johnson	52	--	45	--	--	4	--	3	--	--
Massac	13	--	11	--	--	1	--	1	--	--
Perry	2	--	--	--	--	--	--	2	--	--
Pope	137	--	11	--	--	5	84	37	--	--
Pulaski	10	--	6	--	--	2	--	1	--	1
Randloph	6	--	--	--	--	--	3	3	--	--
Saline	69	--	--	--	1	1	9	8	--	50
Union	42	--	36	--	--	3	--	3	--	--
Williamson	11	--	6	--	--	3	--	2	--	--
Total	427	--	137	--	1	28	127	83	--	51
Claypan Unit										
Bond	2	--	--	--	--	--	--	1	--	1
Calhoun	16	--	16	--	--	--	--	--	--	--
Clark	19	--	4	--	--	--	--	--	--	15
Clay	81	--	35	--	--	--	--	46	--	--
Clinton	2	--	--	--	--	--	--	2	--	--
Crawford	51	--	35	--	--	--	--	--	--	16
Effingham	90	--	9	--	--	--	--	--	--	81
Fayette	3	--	--	--	--	--	--	3	--	--
Greene	92	--	11	--	--	--	--	--	--	81
Jasper	9	--	9	--	--	--	--	--	--	--
Jefferson	7	--	5	--	--	--	--	2	--	--
Jersey	18	--	16	--	--	--	--	2	--	--
Lawrence	48	--	35	--	--	--	--	13	--	--
Macoupin	16	--	11	--	--	--	--	--	--	5
Madison	16	--	11	--	--	--	--	2	--	3
Marion	5	--	3	--	--	--	--	2	--	--
Monroe	4	--	--	--	--	--	2	2	--	--
Montgomery	2	--	--	--	--	--	--	--	--	2
St. Clair	14	--	11	1	--	--	--	2	--	--
Wabash	8	--	4	--	--	--	--	4	--	--
Washington	2	--	--	--	--	--	--	2	--	--
Wayne	46	--	44	--	--	--	--	--	--	2
Total	551	--	259	1	--	--	2	83	--	206
Prairie Unit										
Adams	10	--	--	--	--	--	--	--	--	10
Cass	4	--	--	--	--	--	--	--	--	4
Coles	20	--	--	--	--	--	--	--	--	20
Fulton	5	--	--	--	--	--	--	--	--	5
Hancock	51	--	--	--	--	--	--	--	--	51
Kendall	39	--	--	--	--	--	--	--	--	39
Logan	8	--	--	--	--	--	--	--	--	8
Macon	80	--	--	--	5	14	19	34	--	8
Mason	18	18	--	--	--	--	--	--	--	--
McLean	228	18	--	--	6	15	21	41	--	127
Piatt	5	--	--	--	--	--	--	--	--	5
Sangamon	3	--	--	--	--	--	--	1	--	2
Tazewell	9	--	--	--	--	--	--	--	--	9
Vermillion	5	--	5	--	--	--	--	--	--	--
Winnebago	2	--	--	--	--	--	1	1	--	--
Woodford	3	--	--	--	--	--	--	--	3	--
Total	490	36	5	--	11	29	41	77	3	288
State total	1,468	36	401	1	12	57	170	243	3	545

[1/] Includes cooperage logs, piling, and specialty products.

Table 17.--Logging residue generated during roundwood production by species group, Forest Survey Unit and county, Illinois, 1983

(In thousand cubic feet)

Unit and county	All species	Species group										
		Cypress	Short-leaf pine	Other pine	Ash	Bass-wood	Beech	Black-gum	Black cherry	Cotton-wood	Elm	Pecan hickory
Southern Unit												
Alexander	571	3	--	--	46	--	18	8	2	31	19	12
Franklin	1,293	--	--	--	22	--	2	--	--	41	38	3
Gallatin	317	--	--	--	6	--	--	2	--	31	3	10
Hamilton	282	--	--	--	2	--	--	1	--	10	1	--
Hardin	389	--	1	--	18	--	6	2	2	9	6	3
Jackson	946	--	--	--	43	--	1	2	--	10	24	18
Johnson	659	3	1	--	72	--	18	10	3	18	18	6
Massac	289	1	--	--	27	--	9	3	2	9	6	1
Perry	284	--	--	--	11	--	--	--	--	3	8	7
Pope	456	1	9	--	24	--	7	6	2	15	6	2
Pulaski	161	--	--	--	15	--	4	1	--	10	3	2
Randolph	321	--	--	--	19	--	--	1	--	29	13	13
Saline	325	--	4	--	13	--	4	2	--	13	2	--
Union	697	3	--	--	72	--	20	7	3	35	22	12
White	849	--	--	--	27	--	3	6	1	199	3	4
Williamson	362	--	1	--	98	--	6	2	1	6	8	4
Total	8,201	11	16	--	515	--	98	53	16	469	180	97
Claypan Unit												
Bond	96	--	--	--	2	--	--	--	--	25	--	--
Calhoun	448	--	--	--	28	--	--	--	1	45	13	11
Clark	453	--	--	--	44	2	--	--	6	21	6	13
Clay	464	--	--	--	45	--	--	--	--	20	--	--
Clinton	510	--	--	--	65	1	--	--	--	9	--	--
Crawford	545	--	--	--	39	--	--	--	--	44	2	7
Cumberland	197	--	--	--	12	--	--	--	4	7	--	2
Edwards	191	--	--	--	16	--	--	--	--	4	--	3
Effingham	237	--	--	--	16	2	--	--	2	44	--	--
Fayette	411	--	--	--	13	--	--	--	--	67	8	--
Greene	204	--	--	--	19	1	--	--	--	13	9	8
Jasper	411	--	--	--	28	--	--	--	--	52	--	3
Jefferson	355	--	--	--	4	--	--	--	--	5	--	--
Jersey	389	--	--	--	40	3	--	--	--	9	13	10
Lawrence	568	--	--	--	34	--	--	--	--	39	--	7
Macoupin	302	--	--	--	16	--	--	--	--	1	1	--
Madison	135	--	--	--	17	--	--	--	--	3	3	1
Marion	410	--	--	--	40	--	--	--	--	25	--	--
Monroe	283	--	--	--	15	--	--	--	--	24	9	13
Montgomery	61	--	--	--	2	--	--	--	--	7	--	--
Richland	434	--	--	--	46	--	--	--	--	44	--	6
St. Clair	224	--	--	--	36	--	--	--	--	3	--	2
Shelby	147	--	--	--	8	--	--	--	--	19	--	--
Wabash	128	--	--	--	11	--	--	--	--	29	2	3
Washington	448	--	--	--	25	--	--	--	--	13	18	--
Wayne	848	--	--	--	51	--	2	6	1	77	4	--
Total	8,899	--	--	--	672	9	2	6	14	649	88	89

(Table 17 continued on next page)

(Table 17 continued)

Unit and county	Species group									
	Other hickory	Hard maple	Soft maple	Red oak	White oak	Sweet-gum	Sycamore	Black walnut	Yellow-poplar	Other hard-woods
Southern Unit										
Alexander	23	6	16	202	89	39	11	--	38	8
Franklin	58	1	60	929	58	73	2	--	3	3
Gallatin	7	9	19	184	20	9	3	--	14	--
Hamilton	25	--	14	202	16	6	3	--	2	--
Hardin	48	7	10	195	49	6	9	--	18	--
Jackson	65	3	65	570	94	10	13	--	7	21
Johnson	40	3	16	261	96	39	8	--	41	6
Massac	11	2	18	119	37	18	4	--	21	1
Perry	16	1	7	178	38	6	3	--	--	6
Pope	20	3	24	194	92	13	13	--	25	--
Pulaski	6	1	4	65	26	11	3	--	10	--
Randolph	25	2	11	105	76	6	9	--	3	9
Saline	8	--	10	211	34	13	2	--	9	--
Union	24	5	14	265	109	41	12	--	44	9
White	22	6	135	278	79	34	21	--	31	--
Williamson	17	1	7	132	44	13	4	--	15	3
Total	415	50	430	4,090	957	337	120	--	281	66
Claypan Unit										
Bond	2	--	10	54	3	--	--	--	--	--
Calhoun	7	10	19	156	109	--	38	2	--	9
Clark	16	16	35	137	95	6	10	2	44	--
Clay	25	--	29	202	130	--	13	--	--	--
Clinton	74	34	17	218	92	--	--	--	--	--
Crawford	4	--	43	305	39	29	33	--	--	--
Cumberland	6	15	13	63	64	1	1	2	7	--
Edwards	34	--	10	91	27	1	3	--	2	--
Effingham	19	9	22	84	30	--	9	--	--	--
Fayette	25	2	41	189	49	4	10	2	--	1
Greene	8	2	9	66	56	--	6	--	--	7
Jasper	13	3	60	191	18	16	27	--	--	--
Jefferson	9	--	5	270	58	2	2	--	--	--
Jersey	15	15	18	161	90	--	8	--	--	7
Lawrence	16	--	44	318	36	34	40	--	--	--
Macoupin	6	--	6	137	134	--	1	--	--	--
Madison	8	--	7	45	42	--	6	--	--	3
Marion	45	19	15	176	88	--	1	--	--	1
Monroe	16	1	13	97	75	--	11	2	--	7
Montgomery	2	--	3	25	20	--	2	--	--	--
Richland	58	--	60	147	54	--	17	--	2	--
St. Clair	32	19	3	81	46	--	2	--	--	--
Shelby	7	--	12	64	30	--	7	--	--	--
Wabash	3	--	18	41	10	2	9	--	--	--
Washington	68	31	--	210	64	--	19	--	--	--
Wayne	47	1	83	456	69	18	16	--	16	1
Total	565	177	595	3,984	1,528	113	291	10	71	36

(Table 17 continued on next page)

(Table 17 continued)

Unit and county	All species	Species group										
		Cypress	Short-leaf pine	Other pine	Ash	Bass-wood	Beech	Black-gum	Black cherry	Cotton-wood	Elm	Pecan hickory
Prairie Unit												
Adams	199	--	--	--	6	2	--	--	2	6	--	--
Boone	25	--	--	--	--	--	--	--	--	--	13	--
Brown	281	--	--	--	7	4	--	--	1	12	1	--
Bureau	139	--	--	--	6	--	--	--	6	9	2	--
Carroll	240	--	--	--	13	1	--	--	15	15	6	--
Cass	77	--	--	--	1	1	--	--	--	8	--	--
Champaign	32	--	--	--	3	1	--	--	--	1	3	3
Christian	4	--	--	--	--	--	--	--	--	1	--	--
Coles	39	--	--	--	4	--	--	--	--	1	2	2
Cook	2	--	--	--	--	--	--	--	--	1	1	--
De Kalb	51	--	--	--	3	1	--	--	1	1	2	--
Douglas	18	--	--	--	2	--	--	--	--	--	1	1
Dupage	5	--	--	--	--	--	--	--	--	--	5	--
Edgar	76	--	--	--	6	1	--	--	1	1	3	3
Fulton	1,173	--	--	--	65	22	--	--	4	143	6	1
Grundy	3	--	--	--	--	--	--	--	--	1	--	--
Hancock	43	--	--	--	--	1	--	--	--	8	1	--
Henderson	44	--	--	--	--	2	--	--	--	9	1	1
Henry	24	--	--	--	--	--	--	--	4	--	--	--
Iroquois	3	--	--	--	--	--	--	--	--	--	--	--
Jo Daviess	228	--	--	--	11	1	--	--	15	16	6	--
Kankakee	9	--	--	--	--	--	--	--	--	6	--	--
Knox	73	--	--	--	2	1	--	--	2	--	--	--
Lake	24	--	--	--	--	--	--	--	--	1	18	--
La Salle	95	--	--	--	6	--	--	--	7	9	2	--
Lee	36	--	--	--	--	--	--	--	--	1	--	--
Logan	10	--	--	--	--	--	--	--	--	3	--	--
Marshall	189	--	--	--	10	--	--	--	--	--	--	--
Mason	10	--	--	--	--	--	--	--	--	3	--	--
McDonough	111	--	--	--	1	1	--	--	1	47	--	--
McHenry	30	--	--	--	1	--	--	--	--	1	16	--
Menard	14	--	--	--	--	--	--	--	--	3	--	--
Mercer	43	--	--	--	2	--	--	--	6	--	--	--
Morgan	205	--	--	--	7	--	--	--	--	13	1	--
Ogle	120	--	--	6	3	7	--	--	2	8	9	--
Peoria	62	--	--	--	2	--	--	--	--	3	--	--
Pike	435	--	--	--	9	4	--	--	2	1	3	--
Putnam	120	--	--	--	7	--	--	--	--	--	--	--
Rock Island	55	--	--	--	2	1	--	--	3	3	1	--
Sangamon	31	--	--	--	--	--	--	--	2	1	--	--
Schuyler	396	--	--	--	7	7	--	--	2	28	--	--
Scott	77	--	--	--	--	--	--	--	--	19	--	--
Stark	3	--	--	--	--	--	--	--	--	--	--	--
Stephenson	17	--	--	--	--	1	--	--	1	--	2	--
Tazewell	89	--	--	--	6	--	--	--	--	--	--	--
Vermillion	101	--	--	--	13	2	--	--	2	1	4	6
Warren	18	--	--	--	--	--	--	--	1	--	--	--
Whiteside	65	--	--	--	2	--	--	--	1	3	2	--
Will	9	--	--	--	--	--	--	--	--	5	--	--
Winnebago	41	--	--	--	2	6	--	--	2	3	3	--
Woodford	109	--	--	--	6	--	--	--	--	--	--	--
Total	5,303	--	--	6	215	67	--	--	83	395	114	17
State total	22,403	11	16	6	1,402	76	100	59	113	1,513	382	203

(Table 17 continued on next page)

(Table 17 continued)

Unit and county	Species group									
	Other hickory	Hard maple	Soft maple	Red oak	White oak	Sweet-gum	Sycamore	Black walnut	Yellow-poplar	Other hard-woods
Prairie Unit										
Adams	2	1	43	79	51	--	2	2	--	3
Boone	--	--	--	3	9	--	--	--	--	--
Brown	3	19	15	161	55	--	2	1	--	--
Bureau	--	--	29	29	54	--	--	--	--	4
Carroll	1	--	--	92	86	--	--	2	--	9
Cass	--	2	3	45	16	--	1	--	--	--
Champaign	1	2	1	9	6	--	2	--	--	--
Christian	--	--	--	1	2	--	--	--	--	--
Coles	--	2	2	10	7	--	2	--	7	--
Cook	--	--	--	--	--	--	--	--	--	--
De Kalb	--	--	3	15	25	--	--	--	--	--
Douglas	--	1	--	6	3	--	--	--	4	--
Dupage	--	--	--	--	--	--	--	--	--	--
Edgar	2	3	4	20	16	--	3	--	13	--
Fulton	18	47	59	549	252	--	2	5	--	--
Grundy	--	--	--	--	2	--	--	--	--	--
Hancock	1	--	14	7	11	--	--	--	--	--
Henderson	--	--	8	7	16	--	--	--	--	--
Henry	--	--	--	6	12	--	--	2	--	--
Iroquois	--	--	--	2	1	--	--	--	--	--
Jo Daviess	--	3	3	88	74	--	--	2	--	9
Kankakee	--	--	--	2	1	--	--	--	--	--
Knox	1	5	3	28	24	--	--	7	--	--
Lake	--	--	--	2	3	--	--	--	--	--
La Salle	--	--	--	30	34	--	1	2	--	4
Lee	1	--	3	11	20	--	--	--	--	--
Logan	--	--	1	6	--	--	--	--	--	--
Marshall	--	28	11	81	58	--	--	1	--	--
Mason	--	--	1	6	--	--	--	--	--	--
McDonough	9	--	7	18	19	--	8	--	--	--
McHenry	--	--	--	6	6	--	--	--	--	--
Menard	--	--	1	8	2	--	--	--	--	--
Mercer	--	--	7	7	6	--	--	15	--	--
Morgan	6	12	12	97	52	--	3	2	--	--
Ogle	1	--	3	38	43	--	--	--	--	--
Peoria	1	3	1	37	15	--	--	--	--	--
Pike	6	21	9	249	127	--	1	3	--	--
Putnam	--	12	10	54	36	--	--	1	--	--
Rock Island	--	--	--	20	18	--	--	6	--	1
Sangamon	--	--	3	9	16	--	--	--	--	--
Schuyler	4	32	39	220	51	--	4	2	--	--
Scott	--	--	--	42	15	--	1	--	--	--
Stark	--	--	--	--	3	--	--	--	--	--
Stephenson	--	--	--	6	7	--	--	--	--	--
Tazewell	--	7	5	39	32	--	--	--	--	--
Vermillion	2	5	3	24	16	--	4	1	18	--
Warren	--	--	3	2	2	--	--	10	--	--
Whiteside	--	--	9	18	30	--	--	--	--	--
Will	--	--	--	2	1	--	--	--	--	1
Winnebago	1	--	9	2	13	--	--	--	--	--
Woodford	1	10	9	51	31	--	--	1	--	--
Total	61	215	333	2,244	1,379	--	36	65	42	31
State total	1,041	442	1,358	10,318	3,864	450	447	75	394	133

Table 18.--Residue produced at primary wood-using mills by type of material, type of use, and county, Illinois, 1983

(In thousand tons green weight)

County and type of use	SOUTHERN UNIT							
	Wood residue							
	Total		Coarse[1]		Fine[2]		Bark	
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
Alexander								
Domestic fuel	--	--	--	--	--	--	--	--
Miscellaneous[3]	0.15	7.36	--	--	0.15	7.36	0.11	5.24
Not used	.26	12.66	0.26	12.65	--	.01	--	.05
Total	.41	20.02	.26	12.65	.15	7.37	.11	5.29
Franklin								
Domestic fuel	--	10.54	--	10.54	--	--	--	4.48
Miscellaneous[3]	--	3.40	--	--	--	3.40	--	--
Not used	--	3.55	--	.52	--	3.03	--	.22
Total	--	17.49	--	11.06	--	6.43	--	4.70
Gallatin								
Fiber products	--	8.20	--	8.20	--	--	--	--
Industrial fuel	--	4.50	--	.03	--	4.47	--	1.19
Domestic fuel	.01	.28	.01	.12	--	.16	--	--
Miscellaneous[3]	--	.16	--	--	--	.16	--	1.15
Not used	--	.13	--	.04	--	.09	--	1.22
Total	.01	13.27	.01	8.39	--	4.88	--	3.56
Hamilton								
Domestic fuel	--	3.70	--	3.70	--	--	--	1.57
Miscellaneous[3]	--	1.08	--	--	--	1.08	--	--
Not used	--	1.08	--	--	--	1.08	--	--
Total	--	5.86	--	3.70	--	2.16	--	1.57
Hardin								
Domestic fuel	--	.44	--	.37	--	.07	--	.15
Not used	--	.29	--	.09	--	.20	--	.04
Total	--	.73	--	.46	--	.27	--	.19
Jackson								
Domestic fuel	--	.92	--	.92	--	--	--	.39
Miscellaneous[3]	--	.53	--	--	--	.53	--	--
Total	--	1.45	--	.92	--	.53	--	.39

(Table 18 continued on next page)

[1] Suitable for chipping such as slabs, edgings, veneer cores, etc.

[2] Not suitable for chipping such as sawdust, veneer clippings, etc.

[3] Livestock bedding, mulch, poultry litter, etc.

(Table 18 continued)

SOUTHERN UNIT

County and type of use	Wood residue: Total		Coarse[1]		Fine[2]		Bark	
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
Johnson								
Domestic fuel	--	1.88	--	1.88	--	--	--	.79
Miscellaneous[3]	--	.99	--	--	--	.99	--	--
Not used	--	.94	--	.18	--	.76	--	.08
Total	--	3.81	--	2.06	--	1.75	--	.87
Perry								
Fiber products	--	4.09	--	3.97	--	.12	--	.09
Industrial fuel	.01	.04	.01	--	--	.04	--	.03
Domestic fuel	--	2.87	--	2.87	--	--	--	1.20
Miscellaneous[3]	--	2.65	--	--	--	2.65	--	1.57
Not used	--	1.17	--	--	--	1.17	--	--
Total	.01	10.82	.01	6.84	--	3.98	--	2.89
Pope								
Domestic fuel	.01	.40	.01	.40	--	--	--	.17
Miscellaneous[3]	.01	.23	--	--	.01	.23	--	--
Total	.02	.63	.01	.40	.01	.23	--	.17
Randolph								
Domestic fuel	--	1.90	--	1.90	--	--	--	.82
Miscellaneous[3]	--	.50	--	--	--	.50	--	--
Not used	--	.61	--	--	--	.61	--	--
Total	--	3.01	--	1.90	--	1.11	--	.82
Union								
Fiber products	--	8.87	--	8.87	--	--	--	--
Industrial fuel	--	5.17	--	--	--	5.17	--	3.71
Domestic fuel	--	.03	--	.03	--	--	--	.01
Miscellaneous[3]	--	.01	--	--	--	.01	--	--
Not used	--	.01	--	--	--	.01	--	--
Total	--	14.09	--	8.90	--	5.19	--	3.72
White								
Fiber products	--	7.03	--	7.03	--	--	--	--
Industrial fuel	--	4.09	--	--	--	4.09	--	3.08
Domestic fuel	--	.37	--	.37	--	--	--	--
Miscellaneous[3]	--	.22	--	--	--	.22	--	--
Total	--	11.71	--	7.40	--	4.31	--	3.08
All counties								
Fiber products	--	28.19	--	28.07	--	.12	--	.09
Industrial fuel	.01	13.80	.01	.03	--	13.77	--	8.01
Domesitc fuel	.02	23.33	.02	23.10	--	.23	--	9.58
Miscellaneous[3]	.16	17.13	--	--	.16	17.13	.11	7.96
Not used	.26	20.44	.26	13.48	--	6.96	--	1.61
Total	.45	102.89	.29	64.68	.16	38.21	.11	27.25

(Table 18 continued on next page)

[1] Suitable for chipping such as slabs, edgings, veneer cores, etc.

[2] Not suitable for chipping such as sawdust, veneer clippings, etc.

[3] Livestock bedding, mulch, poultry litter, etc.

(Table 18 continued)

CLAYPAN UNIT

County and type of use	Wood residue: Total		Coarse[1/]		Fine[2/]		Bark	
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
Bond								
Domestic fuel	--	1.00	--	1.00	--	--	--	.42
Miscellaneous[3/]	--	.76	--	.11	--	.65	--	.05
Total	--	1.76	--	1.11	--	.65	--	.47
Calhoun								
Domestic fuel	--	.89	--	.89	--	--	--	.32
Miscellaneous[3/]	--	.45	--	--	--	.45	--	--
Not used	--	.13	--	.04	--	.09	--	.02
Total	--	1.47	--	.93	--	.54	--	.34
Clark								
Domestic fuel	--	1.12	--	1.12	--	--	--	.47
Miscellaneous[3/]	--	.54	--	--	--	.54	--	--
Not used	--	.11	--	--	--	.11	--	--
Total	--	1.77	--	1.12	--	.65	--	.47
Clay								
Fiber products	--	3.24	--	3.24	--	--	--	--
Domestic fuel	--	2.57	--	2.57	--	--	--	.03
Miscellaneous[3/]	--	3.24	--	--	--	3.24	--	2.42
Not used	--	.97	--	--	--	.97	--	--
Total	--	10.02	--	5.81	--	4.21	--	2.45
Clinton								
Fiber products	--	.44	--	.44	--	--	--	--
Domestic fuel	--	3.26	--	3.26	--	--	--	1.36
Miscellaneous[3/]	--	3.01	--	--	--	3.01	--	.20
Not used	--	1.92	--	1.76	--	.16	--	.75
Total	--	8.63	--	5.46	--	3.17	--	2.31
Crawford								
Fiber products	--	9.25	--	9.25	--	--	--	--
Industrial fuel	--	5.38	--	--	--	5.38	--	3.82
Domestic fuel	--	.05	--	.05	--	--	--	.03
Miscellaneous[3/]	--	.04	--	--	--	.04	--	--
Not used	--	.17	--	.05	--	.12	--	.03
Total	--	14.89	--	9.35	--	5.54	--	3.88
Cumberland								
Domestic fuel	--	.43	--	.43	--	--	--	.18
Miscellaneous[3/]	--	.25	--	--	--	.25	--	--
Total	--	.68	--	.43	--	.25	--	.18

(Table 18 continued on next page)

[1/] Suitable for chipping such as slabs, edgings, veneer cores, etc.

[2/] Not suitable for chipping such as sawdust, veneer clippings, etc.

[3/] Livestock bedding, mulch, poultry litter, etc.

(Table 18 continued)

CLAYPAN UNIT

County and type of use	Wood residue						Bark	
	Total		Coarse[1/]		Fine[2/]			
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
Effingham								
Fiber products	--	.71	--	.71	--	--	--	--
Domestic fuel	--	.59	--	.59	--	--	--	.10
Miscellaneous[3/]	--	.75	--	--	--	.75	--	.44
Not used	--	.03	--	.02	--	.01	--	.01
Total	--	2.08	--	1.32	--	.76	--	.55
Fayette								
Fiber products	--	5.87	--	5.87	--	--	--	--
Industrial fuel	--	.14	--	.14	--	--	--	.06
Domestic fuel	--	1.14	--	1.14	--	--	--	.46
Miscellaneous[3/]	--	4.12	--	--	--	4.12	--	2.50
Not used	--	.26	--	.14	--	.12	--	.06
Total	--	11.53	--	7.29	--	4.24	--	3.08
Greene								
Domestic fuel	--	.20	--	.19	--	.01	--	.08
Miscellaneous[3/]	--	.08	--	--	--	.08	--	--
Not used	--	.03	--	--	--	.03	--	--
Total	--	.31	--	.19	--	.12	--	.08
Jasper								
Domestic fuel	--	.23	--	.23	--	--	--	.10
Miscellaneous[3/]	--	.13	--	--	--	.13	--	--
Total	--	.36	--	.23	--	.13	--	.10
Jefferson								
Domestic fuel	--	1.53	--	1.18	--	.35	--	.51
Miscellaneous[3/]	--	.34	--	--	--	.34	--	--
Total	--	1.87	--	1.18	--	.69	--	.51
Jersey								
Domestic fuel	--	4.53	--	3.14	--	1.39	--	1.32
Miscellaneous[3/]	--	1.24	--	--	--	1.24	--	--
Not used	--	.50	--	.44	--	.06	--	.19
Total	--	6.27	--	3.58	--	2.69	--	1.51
Lawrence								
Domestic fuel	--	.81	--	.81	--	--	--	.12
Miscellaneous[3/]	--	.39	--	--	--	.39	--	.22
Not used	--	1.04	--	.61	--	.43	--	.25
Total	--	2.24	--	1.42	--	.82	--	.59

(Table 18 continued on next page)

[1/] Suitable for chipping such as slabs, edgings, veneer cores, etc.

[2/] Not suitable for chipping such as sawdust, veneer clippings, etc.

[3/] Livestock bedding, mulch, poultry litter, etc.

(Table 18 continued)

CLAYPAN UNIT

County and type of use	Wood residue						Bark	
	Total		Coarse[1]		Fine[2]			
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
Macoupin								
Domestic fuel	--	3.32	--	3.32	--	--	--	1.41
Miscellaneous[3]	--	1.94	--	--	--	1.94	--	--
Total	--	5.26	--	3.32	--	1.94	--	1.41
Marion								
Fiber products	--	4.27	--	4.27	--	--	--	--
Miscellaneous[3]	--	2.18	--	--	--	2.18	--	.91
Not used	--	.30	--	--	--	.30	--	.87
Total	--	6.75	--	4.27	--	2.48	--	1.78
Monroe								
Domestic fuel	--	1.32	--	1.32	--	--	--	.55
Miscellaneous[3]	--	.77	--	--	--	.77	--	--
Total	--	2.09	--	1.32	--	.77	--	.55
Montgomery								
Domestic fuel	--	.31	--	.31	--	--	--	.13
Miscellaneous[3]	--	.18	--	--	--	.18	--	--
Total	--	.49	--	.31	--	.18	--	.13
Richland								
Fiber products	--	8.42	--	8.42	--	--	--	--
Industrial fuel	--	4.56	--	--	--	4.56	--	3.30
Miscellaneous[3]	--	.35	--	--	--	.35	--	.24
Total	--	13.33	--	8.42	--	4.91	--	3.54
St. Clair								
Domestic fuel	--	.06	--	.06	--	--	--	.02
Miscellaneous[3]	--	.03	--	--	--	.03	--	--
Total	--	.09	--	.06	--	.03	--	.02
Shelby								
Domestic fuel	--	.01	--	.01	--	--	--	.01
Miscellaneous[3]	--	.01	--	--	--	.01	--	--
Not used	--	.43	--	.27	--	.16	--	.11
Total	--	.45	--	.28	--	.17	--	.12
Wabash								
Industrial fuel	--	.21	--	--	--	.21	--	--
Domestic fuel	--	.79	--	.79	--	--	--	.34
Miscellaneous[3]	--	.24	--	--	--	.24	--	--
Total	--	1.24	--	.79	--	.45	--	.34
Washington								
Fiber products	--	.93	--	.93	--	--	--	--
Domestic fuel	--	4.38	--	4.38	--	--	--	1.85
Miscellaneous[3]	--	3.34	--	--	--	3.34	--	--
Not used	--	3.47	--	2.35	--	1.12	--	1.38
Total	--	12.12	--	7.66	--	4.46	--	3.23

(Table 18 continued on next page)

[1] Suitable for chipping such as slabs, edgings, veneer cores, etc.

[2] Not suitable for chipping such as sawdust, veneer clippings, etc.

[3] Livestock bedding, mulch, poultry litter, etc.

(Table 18 continued)

County and type of use	Wood residue: Total Softwood	Wood residue: Total Hardwood	Wood residue: Coarse[1] Softwood	Wood residue: Coarse[1] Hardwood	Wood residue: Fine[2] Softwood	Wood residue: Fine[2] Hardwood	Bark Softwood	Bark Hardwood
CLAYPAN UNIT								
Wayne								
Fiber products	--	1.85	--	1.85	--	--	--	--
Domestic fuel	--	8.69	--	7.06	--	1.63	--	2.98
Miscellaneous[3]	--	3.56	--	--	--	3.56	--	.78
Total	--	14.10	--	8.91	--	5.19	--	3.76
All counties								
Fiber products	--	34.98	--	34.98	--	--	--	--
Industrial fuel	--	10.29	--	.14	--	10.15	--	7.18
Domestic fuel	--	37.23	--	33.85	--	3.38	--	12.79
Miscellaneous[3]	--	27.94	--	.11	--	27.83	--	7.76
Not used	--	9.36	--	5.68	--	3.68	--	3.67
Total	--	119.80	--	74.76	--	45.04	--	31.40
PRAIRIE UNIT								
Adams								
Domestic fuel	--	.38	--	.38	--	--	--	.12
Miscellaneous[3]	--	.19	--	--	--	.19	--	--
Not used	--	.04	--	--	--	.04	--	.05
Total	--	.61	--	.38	--	.23	--	.17
Boone								
Domestic fuel	--	.26	--	.26	--	--	--	.11
Miscellaneous[3]	--	.16	--	--	--	.16	--	--
Not used	--	.01	--	.01	--	--	--	.01
Total	--	.43	--	.27	--	.16	--	.12
Brown								
Domestic fuel	--	.02	--	.02	--	--	--	.01
Miscellaneous[3]	--	.01	--	--	--	.01	--	--
Total	--	.03	--	.02	--	.01	--	.01
Bureau								
Domestic fuel	--	.01	--	.01	--	--	--	--
Not used	--	--	--	--	--	--	--	--
Total	--	.01	--	.01	--	--	--	--
Carroll								
Fiber products	--	5.67	--	5.67	--	--	--	--
Domestic fuel	.01	1.11	.01	1.11	--	--	--	.05
Miscellaneous[3]	.01	3.95	--	--	.01	3.95	--	2.84
Total	.02	10.73	.01	6.78	.01	3.95	--	2.89
Cass								
Fiber products	--	4.44	--	4.44	--	--	--	--
Industrial fuel	--	2.58	--	--	--	2.58	--	1.88
Total	--	7.02	--	4.44	--	2.58	--	1.88
Cook								
Fiber products	--	.74	--	.74	--	--	--	--
Miscellaneous[3]	--	1.60	--	.74	--	.86	--	.61
Total	--	2.34	--	1.48	--	.86	--	.61

(Table 18 continued on next page)

[1] Suitable for chipping such as slabs, edgings, veneer cores, etc.

[2] Not suitable for chipping such as sawdust, veneer clippings, etc.

[3] Livestock bedding, mulch, poultry litter, etc.

(Table 18 continued)

PRAIRIE UNIT

County and type of use	Wood residue: Total Softwood	Total Hardwood	Coarse[1/] Softwood	Coarse[1/] Hardwood	Fine[2/] Softwood	Fine[2/] Hardwood	Bark Softwood	Bark Hardwood
De Kalb								
Domestic fuel	--	.14	--	.14	--	--	--	.06
Miscellaneous[3/]	--	.08	--	--	--	.08	--	--
Total	--	.22	--	.14	--	.08	--	.06
Edgar								
Industrial fuel	--	.68	--	.43	--	.25	--	.18
Total	--	.68	--	.43	--	.25	--	.18
Fulton								
Fiber products	--	4.98	--	4.98	--	--	--	--
Miscellaneous[3/]	--	2.90	--	--	--	2.90	--	2.12
Not used	--	2.93	--	1.85	--	1.08	--	.79
Total	--	10.81	--	6.83	--	3.98	--	2.91
Grundy								
Domestic fuel	--	.04	--	.04	--	--	--	.02
Not used	--	.02	--	--	--	.02	--	--
Total	--	.06	--	.04	--	.02	--	.02
Hancock								
Domestic fuel	--	.04	--	.04	--	--	--	.01
Miscellaneous[3/]	--	.06	--	--	--	.06	--	--
Not used	--	.07	--	.07	--	--	--	.03
Total	--	.17	--	.11	--	.06	--	.04
Henderson								
Domestic fuel	--	.09	--	.09	--	--	--	.04
Miscellaneous[3/]	--	.05	--	--	--	.05	--	--
Total	--	.14	--	.09	--	.05	--	.04
Henry								
Fiber products	--	2.78	--	2.78	--	--	--	--
Industrial fuel	.01	1.89	.01	.27	--	1.62	.01	1.29
Domestic fuel	--	.44	--	.44	--	--	--	--
Miscellaneous[3/]	.01	.28	--	--	.01	.28	--	--
Not used	--	.12	--	--	--	.12	--	.20
Total	.02	5.51	.01	3.49	.01	2.02	.01	1.49
Jo Daviess								
Domestic fuel	--	.15	--	.15	--	--	--	.06
Miscellaneous[3/]	--	.07	--	--	--	.07	--	--
Not used	--	.01	--	--	--	.01	--	--
Total	--	.23	--	.15	--	.08	--	.06
Kane								
Domestic fuel	--	.28	--	.28	--	--	--	.12
Miscellaneous[3/]	--	.16	--	--	--	.16	--	--
Total	--	.44	--	.28	--	.16	--	.12

(Table 18 continued on next page)

[1/] Suitable for chipping such as slabs, edgings, veneer cores, etc.

[2/] Not suitable for chipping such as sawdust, veneer clippings, etc.

[3/] Livestock bedding, mulch, poultry litter, etc.

(Table 18 continued)

PRAIRIE UNIT

County and type of use	Wood residue: Total		Wood residue: Coarse[1]		Wood residue: Fine[2]		Bark	
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
Knox								
Domestic fuel	--	.05	--	.05	--	--	--	.02
Miscellaneous[3]	--	.03	--	--	--	.03	--	--
Total	--	.08	--	.05	--	.03	--	.02
Mason								
Fiber products	--	2.69	--	2.69	--	--	--	--
Domestic fuel	--	3.68	--	3.68	--	--	--	--
Miscellaneous[3]	--	3.32	--	--	--	3.32	--	2.71
Not used	--	.39	--	--	--	.39	--	--
Total	--	10.08	--	6.37	--	3.71	--	2.71
McDonough								
Domestic fuel	--	.91	--	.91	--	--	--	.38
Not used	--	.53	--	--	--	.53	--	--
Total	--	1.44	--	.91	--	.53	--	.38
McHenry								
Industrial fuel	--	.94	--	.94	--	--	--	--
Domestic fuel	.01	.22	.01	.22	--	--	--	.09
Miscellaneous[3]	--	.68	--	--	--	.68	--	.80
Not used	--	4.46	--	2.82	--	1.64	--	.80
Total	.01	6.30	.01	3.98	--	2.32	--	1.69
Ogle								
Domestic fuel	.06	3.50	.06	3.50	--	--	.03	1.48
Miscellaneous[3]	.07	2.03	--	--	.07	2.03	--	--
Not used	.06	.47	.06	.30	--	.17	.03	.13
Total	.19	6.00	.12	3.80	.07	2.20	.06	1.61
Peoria								
Domestic fuel	--	.03	--	.03	--	--	--	.02
Miscellaneous[3]	--	.02	--	--	--	.02	--	--
Total	--	.05	--	.03	--	.02	--	.02
Pike								
Fiber products	--	2.75	--	2.75	--	--	--	--
Domestic fuel	--	.29	--	.29	--	--	--	.13
Miscellaneous[3]	--	.17	--	--	--	.17	--	--
Not used	--	1.60	--	--	--	1.60	--	1.17
Total	--	4.81	--	3.04	--	1.77	--	1.30
Rock Island								
Industrial fuel	--	3.24	--	1.24	--	2.00	--	.91
Total	--	3.24	--	1.24	--	2.00	--	.91
Sangamon								
Domestic fuel	--	.31	--	.31	--	--	--	.13
Miscellaneous[3]	--	.17	--	--	--	.17	--	--
Not used	--	.01	--	--	--	.01	--	--
Total	--	.49	--	.31	--	.18	--	.13
Scott								
Domestic fuel	--	.99	--	.56	--	.43	--	.24
Not used	--	.19	--	.19	--	--	--	.08
Total	--	1.18	--	.75	--	.43	--	.32

(Table 18 continued on next page)

[1] Suitable for chipping such as slabs, edgings, veneer cores, etc.

[2] Not suitable for chipping such as sawdust, veneer clippings, etc.

[3] Livestock bedding, mulch, poultry litter, etc.

(Table 18 continued)

PRAIRIE UNIT

County and type of use	Wood residue: Total		Coarse[1]		Fine[2]		Bark	
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
Stephenson								
Domestic fuel	--	.14	--	.14	--	--	--	.05
Miscellaneous[3]	--	.08	--	--	--	.08	--	--
Not used	--	.02	--	.01	--	.01	--	--
Total	--	.24	--	.15	--	.09	--	.05
Tazewell								
Fiber products	--	13.14	--	13.14	--	--	--	--
Industrial fuel	--	1.87	--	--	--	1.87	--	--
Domestic fuel	--	2.17	--	2.17	--	--	--	.01
Miscellaneous[3]	--	7.01	--	--	--	7.01	--	6.50
Not used	--	.03	--	--	--	.03	--	--
Total	--	24.22	--	15.31	--	8.91	--	6.51
Whiteside								
Domestic fuel	--	.03	--	.03	--	--	--	.01
Miscellaneous[3]	--	--	--	--	--	--	--	--
Not used	--	--	--	--	--	--	--	--
Total	--	.03	--	.03	--	--	--	.01
Winnebago								
Domestic fuel	.01	.11	.01	.11	--	--	.01	.07
Miscellaneous[3]	.01	.11	--	--	.01	.11	--	--
Not used	--	.08	--	.08	--	--	--	.01
Total	.02	.30	.01	.19	.01	.11	.01	.08
Woodford								
Domestic fuel	--	.03	--	.03	--	--	--	.01
Miscellaneous[3]	--	.02	--	--	--	.02	--	--
Total	--	.05	--	.03	--	.02	--	.01
All counties								
Fiber products	--	37.19	--	37.19	--	--	--	--
Industrial fuel	.01	11.20	.01	2.88	--	8.32	.01	4.26
Domestic fuel	.09	15.42	.09	14.99	--	.43	.04	3.24
Miscellaneous[3]	.10	23.15	--	.74	.10	22.41	--	15.58
Not used	.06	10.98	.06	5.33	--	5.65	.03	3.27
Total	.26	97.94	.16	61.13	.10	36.81	.08	26.35
Total Illinois								
Fiber products	--	100.36	--	100.24	--	.12	--	.09
Industrial fuel	.02	35.29	.02	3.05	--	32.24	.01	19.45
Domestic fuel	.11	75.98	.11	71.94	--	4.04	.04	25.61
Miscellaneous[3]	.26	68.22	--	.85	.26	67.37	.11	31.30
Not used	.32	40.78	.32	24.49	--	16.29	.03	8.55
Total	.71	320.63	.45	200.57	.26	120.06	.19	85.00

[1] Suitable for chipping such as slabs, edgings, veneer cores, etc.

[2] Not suitable for chipping such as sawdust, veneer clippings, etc.

[3] Livestock bedding, mulch, poultry litter, etc.

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Illinois timber industry—an assessment of timber product output and use. Resour. Bull. NC-100. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station; 1987. 44 p.

Discusses recent Illinois forest industry trends; production and receipts of saw logs; and production of pulpwood, veneer logs, fuelwood, and other products in 1983. Reports on logging residue, on wood and bark residue generated at primary wood-using mills, and on disposition of this mill residue.

KEY WORDS: Saw logs, pulpwood, veneer logs, fuelwood, residue.