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FOREST STATISTICS FOR EAST OKLAHOMA COUNTIES

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Forest
Experiment
Station

In this report:

	Table
SAMPLING ERRORS	1, 38-40
FOREST RESOURCE CHANGES	2, 30
FOREST AREA IN—	
—acres	3-8
—hectares	35
GROWING STOCK IN—	
—cords	9
—cubic feet	10, 13, 14, 17, 18, 21-24, 31, 32, 33
—cubic meters	36, 37
SAWTIMBER IN—	
—International 1/4-inch rule	11, 12, 15, 16, 19, 20, 31, 32, 33
NET ANNUAL GROWTH	25, 26, 34
TIMBER REMOVALS	27, 28
MORTALITY	29

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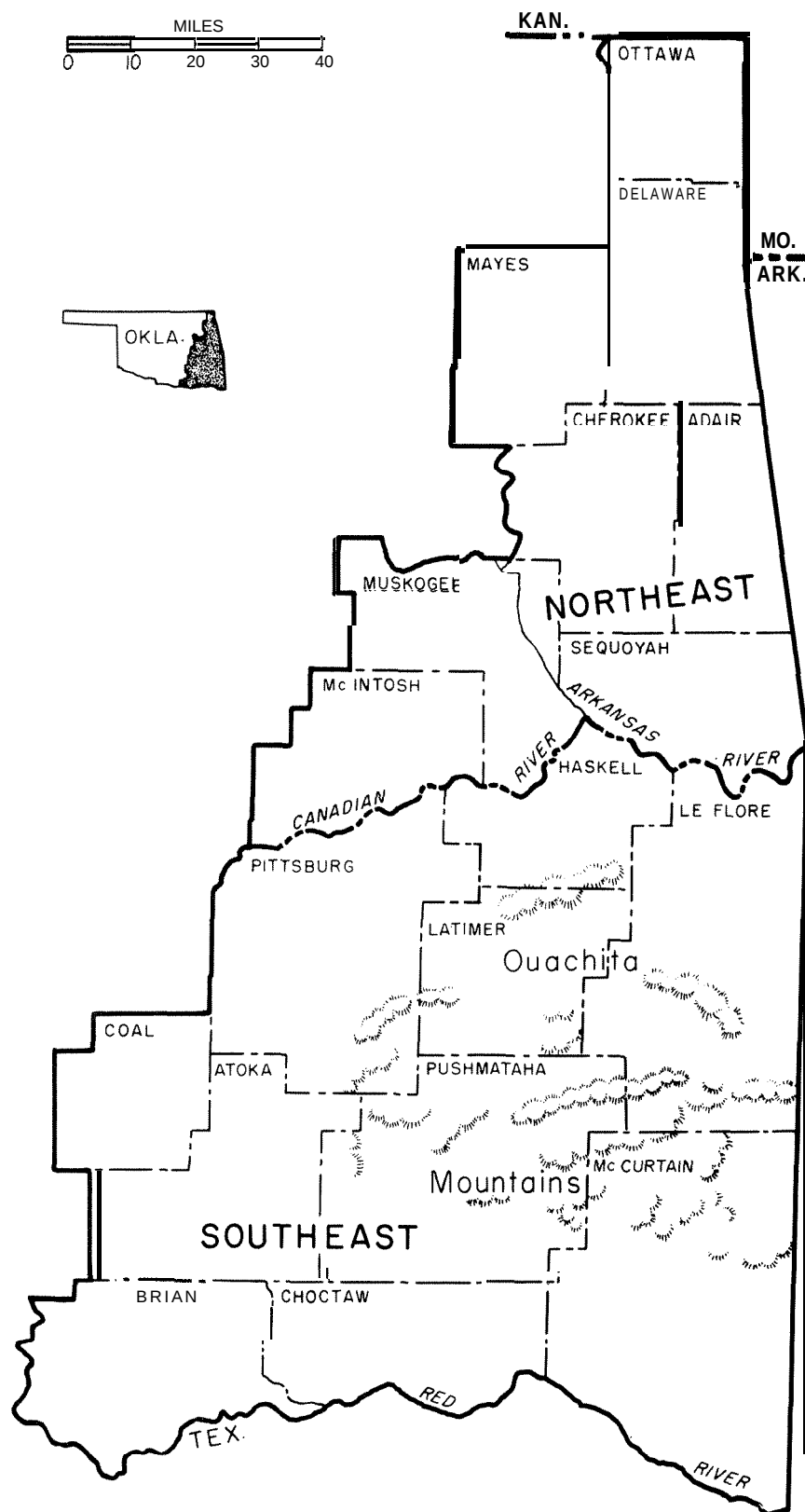


Figure 1. — Forest resource regions of east Oklahoma.

Forest Statistics for East Oklahoma Counties

This report tabulates information from a new forest survey of Oklahoma, completed in 1976 by the Forest Resources Research Unit of the Southern Forest Experiment Station. The tables are intended for use as source data in compiling estimates for groups of counties. Because the sampling procedure is designed primarily to furnish inventory data for the State as a whole, estimates for individual counties have limited and variable accuracy.

The data on forest acreage and timber volume were secured by a systematic sampling method involving a forest-nonforest classification on aerial photographs and on-the-ground measurements of trees at sample locations. The sample locations were at the intersections of a grid of lines spaced 3 miles apart. At each forested location, 10 small plots were uniformly distributed on an area of about 1 acre.

The sampling errors to which the area and volume totals are liable (on a probability of two chances out of three) are shown in table 1.

Table 1. Sampling errors *for* forest land and volume estimates

Item	Sampling error
- - Percent - -	
Commercial forest land	0.7
Growing-stock volume	3.4
Sawtimber volume ¹	4.9
Growth on growing stock	3.4
Growth on sawtimber	5.5

¹International 1/1+-inch rule.

Detailed sampling errors are shown in tables 38-40. An approximation of sampling errors for groups of counties may be obtained by using the formula:

$$e = \frac{(SE) \sqrt{\text{specified volume or area}}}{\sqrt{\text{volume or area total in question}}}$$

where e = estimated sampling error of the volume or area total in question

SE = specified sampling error for the region.

The error decreases when data for two or more counties are grouped. Conversely, if data for individual counties are broken down by various subdivisions, the possibility of error increases and is greatest for the smallest items.

Because of differences in standards of tree measurement, direct comparisons cannot be made between the estimates in this report and those from the survey of 1967. In table 2, changes between the two surveys are summarized in terms of current measurement standards.

DEFINITIONS OF TERMS

Acceptable trees.-Growing-stock trees of commercial species that meet specified standards of size and quality but do not qualify as desirable trees.

Commercial forest land.-Forest land producing crops of industrial wood and not withdrawn from timber utilization.

Desirable trees.-Growing-stock trees that are of commercial species, have no defects in quality for timber products, are of relatively high vigor, and contain no pathogens that may result in death or serious deterioration before rotation age.

Forest type.-A classification of forest land based upon the species forming a plurality of live-tree stock in

Growing-stock trees.-Live trees that are of commercial species and qualify as desirable or acceptable trees

Growing-stock volume.-Net volume in cubic feet of growing-stock trees at least 5.0 inches in diameter at breast height, from a 1-foot stump to a minimum of 4.0 inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs.

Table 2. Commercial forest land, growing-stock, and sawtimber volume, 1976, and change since 1966

Resource region	Commercial forest		Growing stock				Sawtimber			
	Area	Change	Softwood		Hardwood		Softwood		Hardwood	
			Volume	Change ¹	Volume	Change ¹	Volume	Change ¹	Volume	Change ¹
	Thousand acres	Percent	Million ft ³	Percent	Million ft ³	Percent	Million fbm	Percent	Million fbm	Percent
Southeast	3,246.1	- 12	968.3	+ 32	725.1	- 1	3,416.0	+ 37	1,744.4	- 2
Northeast	1,077.3	- 13	42.1	+ 81	326.0	+ 16	159.8	+ 92	746.5	+ 16
East Oklahoma	4,323.4	- 12	1,010.4	+ 34	1,051.1	+ 4	3,575.8	+ 38	2,490.9	+ 3

¹Based on current measurement standards.

Mortality.-Sound-wood volume of live trees dying from natural causes during a specified period.

Net annual growth.-The increase in volume of a specified size class for a specific year.

Noncommercial species.-Tree species of typically small size, poor form, or inferior quality which normally do not develop into trees suitable for industrial wood products.

Physiographic site.-A classification of forest land according to its suitability for growing certain species groups-pines, upland hardwoods, or bottom land hardwoods.

Poletimber trees.-Growing-stock trees of commercial species at least 5.0 inches in diameter at breast height, but smaller than sawtimber size.

Rotten trees.-Live trees of commercial species that do not contain at least one 12-foot saw log, now or prospectively, primarily because of rot.

Rough trees.-Live trees of commercial species that do not contain at least one 12-foot saw log, now or prospectively, primarily because of roughness or poor form. (Includes all live trees of noncommercial species.)

Sawtimber trees.-Live trees that are of commercial species, contain at least a 12-foot saw log, and meet regional specifications for freedom from defect. Softwoods must be at least 9.0 inches in diameter at breast height and hardwoods at least 11.0 inches.

Sawtimber volume.-Net volume of the saw-log portion of live sawtimber trees in board feet, International 1/4-inch rule.

Site class.-A classification of forest land in terms of inherent capacity to grow crops of industrial wood.

Stand-size class.-A classification of forest land based on the size class of growing-stock trees on the area; that is, sawtimber, poletimber, or sapling and seedling.

Timber removals.-The net volume of growing stock trees removed from the inventory by harvesting, cultural operations such as timber-stand improvement, land clearing, or changes in land use.

Table 3. *Total area, commercial forest land, and proportion of total area, 1976, and change since 1966*

county	Total area ¹	Commercial forest		
		Area	Proportion	Change since 1966
	<i>Thousand</i>	<i>acres</i>	<i>- - - Percent - - -</i>	
Adair	1364.8	216.0	59	- 9
Atoka	634.9	270.0	42	-18
Bryan	594.5	88.5	15	(²)
Cherokee	501.8	233.7	47	- 9
Choctaw	508.8	162.0	32	-38
Coal	336.6	49.0	15	-55
Delaware	498.6	195.2	39	-23
Haskell	397.4	115.5	29	-10
Latimer	471.7	282.0	60	- 8
LeFlore	1,012.5	577.5	57	-13
McCurtain	1,199.4	820.8	68	- 6
McIntosh	460.8	88.0	19	-14
Mayes	440.3	99.2	22	-16
Muskogee	538.2	82.8	15	+ 6
Ottawa	309.1	58.4	19	-26
Pittsburg	876.2	174.0	20	-20
Pushmataha	910.7	706.8	78	+ 2
Sequoyah	456.3	104.0	23	-10
All counties	10,512.6	4,323.4	41	-12

¹United States Bureau of the Census, Land and Water area of the United States.

²Not surveyed in 1966.

Table 4. Commercial *forest land by ownership class*, 1976

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. private
- - - - - <i>Thousand acres</i> - - - - -						
Adair	216.0	...	23.1	...	82.2	110.7
Atoka	270.0	...	19.9	...	132.8	117.3
Bryan	88.5	...	1.5	...	45.4	41.6
Cherokee	233.7	...	61.6	...	100.3	71.8
Choctaw	162.0	...	16.5	...	65.0	80.5
Coal	49.0	...	1.6	...	27.0	20.4
Delaware	195.2	...	32.1	...	125.3	37.8
Haskell	115.5	...	5.6	...	31.8	78.1
Latimer	282.0	...	15.7	12.0	23.1	231.2
LeFlore	577.5	176.5	13.9	104.5	74.1	208.5
McCurtain	820.8	42.3	43.3	567.0	57.2	111.0
McIntosh	88.0	...	19.3	...	37.7	31.0
Mayes	99.2	...	11.2	...	36.4	51.6
Muskogee	82.8	...	16.2	...	4.5	62.1
Ottawa	58.4	...	2.5	...	21.4	34.5
Pittsburg	174.0	...	19.1	...	11.6	143.3
Pushmataha	706.8	...	32.1	307.8	137.1	229.8
Sequoyah	104.0	...	8.6	...	82.6	12.8
All counties	4,323.4	218.8	343.8	991.3	1,095.5	1,674.0

Table 5. *Commercial forest land by forest type, 1976*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
- - - - -Thousand acres - - - - -						
Adair	216.0	6.0	12.0	192.0	6.0	...
Atoka	270.0	30.0	54.0	108.0	72.0	6.0
Bryan	88.5	...	...	70.8	17.7	...
Cherokee	233.7	5.7	...	199.5	5.7	22.8
Choctaw	162.0	9.0	9.0	126.0	9.0	9.0
Coal	49.0	...	...	35.0	7.0	7.0
Delaware	195.2	...	...	195.2	...	...
Haskell	115.5	...	22.0	60.5	16.5	16.5
Latimer	282.0	54.0	30.0	186.0	12.0	...
LeFlore	577.5	126.5	159.5	253.0	22.0	16.5
McCurtain	820.8	318.6	199.8	237.6	59.4	5.4
McIntosh	88.0	...	...	66.0	5.5	16.5
Mayes	99.2	...	6.2	80.6	6.2	6.2
Muskogee	82.8	...	...	69.0	9.2	4.6
Ottawa	58.4	...	...	51.1	7.3	...
Pittsburg	174.0	6.0	6.0	138.0	18.0	6.0
Pushmataha	706.8	285.0	188.1	210.9	22.8	...
Sequoyah	<u>104.0</u>	<u>6.5</u>	<u>6.5</u>	<u>78.0</u>	<u>...</u>	<u>13.0</u>
<u>All counties</u>	<u>4,323.4</u>	<u>847.3</u>	<u>693.1</u>	<u>2,357.2</u>	<u>296.3</u>	<u>129.5</u>

Table 6. *Commercial forest land by stand-size class, 1976*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
- - - - - Thousand acres - - - - -					
Adair	216.0	48.0	96.0	72.0	...
Atoka	270.0	54.0	60.0	138.0	18.0
Bryan	88.5	17.7	29.5	23.6	17.7
Cherokee	233.7	45.6	96.9	79.8	11.4
Choctaw	162.0	45.0	40.5	76.5	...
Coal	49.0	14.0	7.0	14.0	14.0
Delaware	195.2	12.2	91.5	85.4	6.1
Haskell	115.5	16.5	44.0	55.0	...
Latimer	282.0	54.0	102.0	102.0	24.0
LeFlore	577.5	137.5	269.5	154.0	16.5
McCurtain	820.8	329.4	210.6	270.0	10.8
McIntosh	88.0	16.5	16.5	49.5	5.5
Mayes	99.2	12.4	24.8	62.0	...
Muskogee	82.8	4.6	41.4	23.0	13.8
Ottawa	58.4	7.3	14.6	29.2	7.3
Pittsburg	174.0	12.0	42.0	114.0	6.0
Pushmataha	706.8	182.4	250.8	262.2	11.4
Sequoyah	104.0	19.5	45.5	32.5	6.5
All counties	4,323.4	1,028.6	1,483.1	1,642.7	169.0

Table 7. Commercial forest land by site class, 1976

County	All classes	165 ft ³ or more	120-165 ft ³	85-120 ft ³	50-85 ft ³	Less than 50 ft ³
- - - - - Thousand acres - - - - -						
Adair	216.0	...	...	...	72.0	144.0
Atoka	270.0	...	...	...	150.0	120.0
Bryan	88.5	...	...	5.9	23.6	59.0
Cherokee	233.7	...	...	11.4	85.5	136.8
Choctaw	162.0	...	...	9.0	67.5	85.5
Coal	49.0	...	...	...	14.0	35.0
Delaware	195.2	...	...	...	36.6	158.6
Haskell	115.5	5.5	...	...	44.0	66.0
Latimer	282.0	...	6.0	...	90.0	186.0
LeFlore	577.5	...	5.5	22.0	214.5	335.5
McCurtain	820.8	...	21.6	145.8	507.6	145.8
McIntosh	88.0	...	...	...	22.0	66.0
Mayes	99.2	...	...	...	37.2	62.0
Muskogee	82.8	...	...	4.6	41.4	36.8
Ottawa	58.4	...	...	...	14.6	43.8
Pittsburg	174.0	...	...	...	54.0	120.0
Pushmataha	706.8	...	...	5.7	359.1	342.0
Sequoyah	104.0	...	...	26.0	45.5	32.5
All counties	4,323.4	5.5	33.1	230.4	1,879.1	2,175.3

Table 8. *Commercial forest land by physiographic site class, 1976*

County	All sites	Pine	Upland hardwood	Bottomland hardwood
w - - v - - Thousand acres - - - - -				
Adair	216.0	54.0	156.0	6.0
Atoka	270.0	126.0	66.0	78.0
Bryan	88.5	...	70.8	17.7
Cherokee	233.7	62.7	142.5	28.5
Choctaw	162.0	54.0	90.0	18.0
Coal	49.0	...	35.0	14.0
Delaware	195.2	42.7	152.5	...
Haskell	115.5	82.5	...	33.0
Latimer	282.0	258.0	12.0	12.0
LeFlore	577.5	445.5	93.5	38.5
McCurtain	820.8	691.2	64.8	64.8
McIntosh	88.0	11.0	55.0	22.0
Mayes	99.2	12.4	74.4	12.4
Muskogee	82.8	4.6	64.4	13.8
Ottawa	58.4	...	51.1	7.3
Pittsburg	174.0	78.0	72.0	24.0
Pushmataha	706.8	661.2	22.8	22.8
Sequoyah	104.0	32.5	58.5	13.0
All counties	4,323.4	2,616.3	1,281.3	425.8

Table 9. *Cordage of growing stock on commercial forest land by species group, 1975*

county	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
<i>----- Thousand cords -----</i>								
Adair	1,476	161	161	...	1,315	1,028	60	227
Atoka	1,072	388	385	3	684	303	3	378
Bryan	542	...	...	...	542	254	...	288
Cherokee	1,466	105	105	...	1,361	872	13	476
Choctaw	886	89	78	11	797	409	67	321
Coal	342	...	...	...	342	131	...	211
Delaware	649	32	31	1	637	488	4	12.5
Haskell	694	104	104	...	590	175	5	410
Latimer	1,342	791	791	...	551	381	C..	170
LeFlore	4,189	2,327	2,285	42	1,862	1,216	143	503
McCurtain	9,112	5,337	5,320	17	3,775	2,425	354	996
McIntosh	241	1	...	1	240	118	...	122
Mayes	411	47	47	...	364	249	18	97
Muskogee	387	...	...	...	387	173	...	214
Ottawa	236	...	...	...	236	187	...	49
Pittsburg	495	40	40	...	455	275	...	180
Pushmataha	5,060	3,835	3,803	32	1,225	982	39	204
Sequoyah	560	215	215	...	345	212	7	126
All counties	29,160	13,472	13,365	107	15,688	9,878	713	5,097

Table 10. *Growing-stock volume on commercial forest land by species group, 1976*

County	All species	Softwood			Hardwood.			
		Total	Pine	Other	Total	Oak	Gum	Other
- - - - - Million cubic feet - - - - -								
Adair	100.2	12.1	12.1	...	88.1	68.9	4.0	15.2
Atoka	74.9	29.1	28.9	0.2	45.8	20.3	.2	25.3
Bryan	36.3	...	...	...	36.3	17.0	...	19.3
Cherokee	99.1	7.9	7.9	...	91.2	58.4	.9	31.9
Choctaw	60.1	6.7	5.9	.8	53.4	27.4	4.5	21.5
Coal	22.9	...	...	...	22.9	8.8	...	14.1
Delaware	43.8	2.4	2.3	.1	41.4	32.7	.3	8.4
Haskell	47.3	7.8	7.8	...	39.5	11.7	.3	27.5
Latimer	96.2	59.3	59.3	...	36.9	25.5	...	11.4
LeFlore	299.3	174.5	171.4	3.1	124.8	81.5	9.6	33.7
McCurtain	653.2	400.3	399.0	1.3	252.9	162.5	23.7	66.7
McIntosh	16.2	.1	...	.1	16.1	7.9	...	8.2
Mayes	27.9	3.5	3.5	...	24.4	16.7	1.2	6.5
Muskogee	25.9	...	...	...	25.9	11.6	...	14.3
Ottawa	15.8	...	...	...	15.8	12.5	...	3.3
Pittsburg	33.5	3.0	3.0	...	30.5	18.4	...	12.1
Pushmataha	369.7	287.6	285.2	2.4	82.1	65.8	2.6	13.7
Sequoyah	39.2	16.1	16.1	...	23.1	14.2	.5	8.4
All counties	2,061.5	1,010.4	1,002.4	8.0	1,051.1	661.8	47.8	341.5

Table 11. Sawtimber volume on commercial forest land by species group, 1976

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
- - - - - Million board feet - - - - -								
Adair	261.1	48.3	48.3	...	212.8	153.3	17.6	41.1
Atoka	189.5	80.0	80.0	...	109.5	52.9	...	56.6
Bryan	87.4	...	...	...	87.4	39.4	...	48.0
Cherokee	270.4	29.9	29.9	...	240.5	148.9	4.0	87.6
Choctaw	161.1	17.2	16.5	0.7	143.9	73.4	8.2	62.3
Coal	89.5	...	...	...	89.5	32.7	...	56.8
Delaware	81.9	10.0	10.0	...	71.9	56.8	2.1	13.0
Haskell	148.3	21.3	21.3	...	127.0	25.7	...	101.3
Latimer	241.3	182.2	182.2	...	59.1	55.0	...	4.1
LeFlore	835.8	582.2	580.0	2.2	253.6	161.5	25.0	67.1
McCurtain	2,280.3	1,618.2	1,610.8	7.4	662.1	440.0	75.8	146.3
McIntosh	39.9	...	...	...	39.9	19.2	...	20.7
Mayes	79.7	4.6	4.6	...	75.1	48.2	3.9	23.0
Muskogee	32.7	...	...	...	32.7	8.1	...	24.6
Ottawa	43.1	...	...	...	43.1	34.1	...	9.0
Pittsburg	90.5	12.6	12.6	...	77.9	44.9	...	33.0
Pushmataha	1,036.7	902.3	894.1	8.2	134.4	114.0	5.4	15.0
Sequoyah	97.5	67.0	67.0	...	30.5	13.5	2.7	14.3
All counties	6,066.7	3,575.8	3,557.3	18.5	2,490.9	1,521.6	144.7	824.0

Table 12. *Sawtimber volume on commercial forest land by species group and diameter class, 1976*

County	All species	Softwood			Total	Hardwood	
		Total	9.0-14.9 inches	15.0 inches and up		11.0-14.9 inches	15.0 inches and up
----- Million board feet -----							
Adair	261.1	48.3	48.3	...	212.8	137.4	75.4
Atoka	189.5	80.0	72.6	7.4	109.5	55.5	54.0
Bryan	87.4	...	...	...	87.4	43.3	44.1
Cherokee	270.4	29.9	22.3	7.6	240.5	103.1	137.4
Choctaw	161.1	17.2	15.0	2.2	143.9	72.7	71.2
Coal	89.5	...	...	...	89.5	39.5	50.0
Delaware	81.9	10.0	7.5	2.5	71.9	29.4	42.5
Haskell	148.3	21.3	16.9	4.4	127.0	36.9	90.1
Latimer	241.3	182.2	154.1	28.1	59.1	50.5	8.6
LeFlore	835.8	582.2	432.1	150.1	253.6	142.8	110.8
McCurtain	2,280.3	1,618.2	1,173.9	444.3	662.1	327.4	334.7
McIntosh	39.9	...	...	...	39.9	23.2	16.7
Mayes	79.7	4.6	4.6	...	75.1	28.5	46.6
Muskogee	32.7	...	...	...	32.7	21.3	11.4
Ottawa	43.1	...	...	...	43.1	27.0	16.1
Pittsburg	90.5	12.6	9.3	3.3	77.9	32.6	45.3
Pushmataha	1,036.7	902.3	729.1	173.2	134.4	74.5	59.9
Sequoyah	97.5	67.0	58.8	a.2	30.5	22.8	7.7
All counties	6,066.7	3,575.8	2,744.5	831.3	2,490.9	1,268.4	1,222.5

Table 13. *volume of softwoods on commercial forest land by forest type,*
1976

County	All types	Longleaf slash pine	Loblolly- shortleaf pine	Oak- pine	Oak- hickory	Oak- gum- cypress	Elm- ash- cottonwood
- - - - - Million cubic feet - - - - -							
Adair	12.1	...	5.6	5.3	1.2	...	...
Atoka	29.1	...	16.9	11.1	1.1	...	...
Bryan	...	...	...	...	...	...	...
Cherokee	7.9	...	5.8	...	1.6	...	0.5
Choctaw	6.7	...	3.3	1.3	2.1	...	...
Coal	...	...	...	...	...	...	...
Delaware	2.4	...	...	...	2.4	...	...
Haskell	7.8	...	...	6.4	1.4	...	...
Latimer	59.3	...	36.0	14.0	9.3	...	...
LeFlore	174.5	...	104.4	53.0	17.1	...	...
McCurtain	400.3	...	292.1	76.2	30.1	1.9	...
McIntosh	.1	...	...	3.5	.1	...	...
Mayes	3.5	...	...	...	...	...	...
Muskogee	...	...	...	...	...	...	...
Ottawa	...	...	...	...	...	...	...
Pittsburg	3.0	...	.9	.3	1.8	...	...
Pushmataha	287.6	...	213.6	63.9	10.1	...	...
Sequoyah	<u>16.1</u>	...	12.7	2.8	.6	...	...
All counties	1,010.4	...	691.3	237.8	78.9	1.9	.5

Table 14. *Growing-stock volume of hardwoods on commercial forest land by forest type, 1976*

County	All types	Longleaf slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
- - - - - Million cubic feet - - - - -							
Adair	88.1	...	0.9	1.0	81.4	4.8	...
Atoka	45.8	...	.4	2.2	13.3	28.3	1.6
Bryan	36.3	...	...	...	20.7	15.6	...
Cherokee	91.2	...	...	...	66.2	10.4	20.6
Choctaw	53.4	...	1.0	1.3	41.5	3.4	6.2
Coal	22.9	...	...	...	6.7	6.8	9.4
Delaware	41.4	...	...	...	41.4	...	...
Haskell	39.5	...	...	1.6	5.3	9.7	22.9
Latimer	36.9	...	3.3	3.8	24.3	5.5	...
LeFlore	124.8	...	8.9	22.5	73.6	8.1	11.7
McCurtain	252.9	...	31.7	45.3	111.9	64.0	...
McIntosh	16.1	...	...	...	7.7	1.2	7.2
Mayes	24.4	...	...	.4	18.9	2.6	2.5
Muskogee	25.9	...	...	...	19.7	5.5	...
Ottawa	15.8	...	...	...	13.7	2.1	...
Pittsburg	30.5	...	...	...	20.1	10.1	.3
Pushmataha	82.1	...	16.6	26.5	35.6	3.4	...
Sequoyah	<u>23.1</u>	...	<u>1.4</u>	<u>.3</u>	<u>18.0</u>	...	<u>3.4</u>
<u>All counties</u>	<u>1,051.1</u>	...	<u>64.2</u>	<u>104.9</u>	<u>614.0</u>	<u>181.5</u>	<u>86.5</u>

Table 15. *Sawtimber volume of softwoods on commercial forest land by forest type, 1976*

County	All types	Longleaf slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Elm-gum-cypress	Elm-ash-cottonwood
- - - - - Million board feet - - - - -							
Adair	48.3	...	20.9	23.3	4.1	...	...
Atoka	80.0	...	43.6	33.1	3.3	...	...
Bryan	...	...	...	...	...	...	...
Cherokee	29.9	...	20.9	...	7.5	...	1.5
Choctaw	17.2	...	8.4	4.0	4.8	...	...
Coal	...	...	...	...	...	...	...
Delaware	10.0	...	...	...	10.0	...	...
Haskell	21.3	...	...	16.3	5.0	...	...
Latimer	182.2	...	107.0	43.2	32.0	...	...
LeFlore	582.2	...	341.0	177.0	64.2	...	...
McCurtain	1,618.2	...	1,144.5	314.7	148.7	10.3	...
McIntosh	...	...	...	...	...	...	...
Mayes	4.6	...	...	4.6	...	...	...
Muskogee	...	...	...	...	...	...	...
Ottawa	...	...	...	...	...	...	...
Pittsburg	12.6	...	4.3	1.6	6.7	...	...
Pushmataha	902.3	...	668.5	203.1	30.7	...	...
Sequoyah	67.0	...	49.3	15.2	2.5	...	...
All counties	3,575.8	...	2,408.4	836.1	319.5	10.3	1.5

Table 16. *Sawtimber volume of hardwoods on commercial forest land by forest type,*
1976

county	All types	Longleaf slash pine	Loblolly- shortleaf pine	Oak- pine	Oak- hickory	Oak- gum- cypress	Elm- ash- cottonwood
- - - - - Million board feet - - - - -							
Adair	212.8	...	1.2	1.2	198.5	11.9	...
Atoka	109.5	...	1.2	4.0	23.8	77.5	3.0
Bryan	87.4	...	...	...	42.6	44.8	...
Cherokee	240.5	...	...	...	124.0	54.3	62.2
Choctaw	143.9	...	...	2.2	106.5	9.9	25.3
Coal	89.5	...	...	...	18.2	25.6	45.7
Delaware	71.9	...	...	...	71.9	...	...
Haskell	127.0	...	...	2.8	6.0	31.7	86.5
Latimer	59.1	...	9.1	5.6	31.7	12.7	...
LeFlore	253.6	...	14.4	45.3	144.2	23.5	26.2
McCurtain	662.1	...	74.9	112.0	239.4	235.8	...
McIntosh	39.9	...	...	...	17.0	...	22.9
Mayes	75.1	...	...	.9	53.5	7.7	13.0
Muskogee	32.7	...	...	...	15.8	13.3	3.6
Ottawa	43.1	...	...	...	39.5	3.6	...
Pittsburg	77.9	...	...	...	36.0	41.9	...
Pushmataha	134.4	...	30.4	49.2	45.3	9.7	...
Sequoyah	30.5	...	3.5	...	20.8	...	6.2
All counties	2,490.9	...	134.7	223.2	1,234.5	603.9	294.6

Table 17. *Growing-stock volume of softwoods on commercial forest land by stand-size class, 1976*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
<i>- - - - - Million cubic feet - - - - -</i>					
Adair	12.1	9.6	...	2.5	...
Atoka	29.1	11.0	8.8	9.3	...
Bryan	...	...	...	...	...
Cherokee	7.9	7.4	.5	...	...
Choctaw	6.7	2.2	3.1	1.4	...
Coal	...	...	...	...	...
Delaware	2.4	...	2.1	.3	...
Haskell	7.8	...	5.7	2.1	...
Latimer	59.3	26.0	25.0	8.0	0.3
LeFlore	174.5	89.2	72.7	12.6	...
McCurtain	400.3	296.7	75.7	27.9	...
McIntosh	.1	...	.1	...	...
Mayes	3.5	...	3.5	...	...
Muskogee	...	...	...	...	...
Ottawa	...	...	...	...	...
Pittsburg	3.0	...	.9	2.1	...
Pushmataha	287.6	154.8	101.2	31.2	.4
Sequoyah	16.1	15.5	.6	...	...
All counties	1,010.4	612.4	299.9	97.4	.7

Table 18. Growing-stock volume of hardwoods on commercial forest land by stand-size class, 1976

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
<i>- - - - - Million cubic feet - - - - -</i>					
Adair	88.1	24.1	52.8	11.2	...
Atoka	45.8	17.0	17.2	11.1	0.5
Bryan	36.3	10.6	21.4	3.3	1.0
Cherokee	91.2	35.9	42.7	12.6	...
Choctaw	53.4	24.4	12.8	16.2	...
Coal	22.9	16.2	3.7	2.1	.9
Delaware	41.4	4.8	24.2	11.7	.7
Haskell	39.5	26.2	11.0	2.3	...
Latimer	36.9	4.2	24.0	8.1	.6
LeFlore	124.8	32.0	78.7	13.7	.4
McCurtain	252.9	146.4	86.9	18.9	.7
McIntosh	16.1	8.7	2.0	5.1	.3
Mayes	24.4	4.7	7.5	12.2	...
Muskogee	25.9	2.2	20.0	2.8	.9
Ottawa	15.8	6.4	4.0	5.1	.3
Pittsburg	30.5	9.9	13.8	6.8	...
Pushmataha	82.1	14.4	45.8	21.5	.4
Sequoyah	<u>23.1</u>	<u>5.1</u>	<u>15.8</u>	<u>2.0</u>	<u>.2</u>
All counties	<u>1,051.1</u>	<u>393.2</u>	<u>484.3</u>	<u>166.7</u>	<u>6.9</u>

Table 19. *Sawtimber volume of softwoods on commercial forest land by stand-size class, 1976*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
- - - - - Million board feet - - - - -					
Adair	48.3	38.0	...	10.3	...
Atoka	80.0	36.3	17.0	26.7	...
Bryan	...	...	...	...	...
Cherokee	29.9	28.6	1.3	...	...
Choctaw	17.2	8.1	5.3	3.8	...
Coal	...	...	...	...	...
Delaware	10.0	...	9.1	.9	...
Haskell	21.3	...	14.0	7.3	...
Latimer	182.2	101.9	55.4	24.0	0.9
LeFlore	582.2	369.2	179.2	33.8	...
McCurtain	1,618.2	1,300.4	216.1	101.7	...
McIntosh	...	...	...	...	...
Mayes	4.6	...	4.6	...	...
Muskogee	...	...	...	...	...
Ottawa	...	...	...	...	...
Pittsburg	12.6	...	3.0	9.6	...
Pushmataha	902.3	557.4	239.5	103.7	1.7
Sequoyah	67.0	64.5	2.5	...	...
All counties	3,575.8	2,504.4	747.0	321.8	2.6

Table 20. *Sawtimber volume of hardwoods on commercial forest land by stand-size class, 1976*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
- - - - - Million board feet - - - - -					
Adair	212.8	91.6	93.4	27.8	...
Atoka	109.5	62.6	25.0	21.9	...
Bryan	87.4	39.1	39.7	5.8	2.8
Cherokee	240.5	142.3	67.4	30.8	...
Choctaw	143.9	95.5	21.0	27.4	...
Coal	89.5	71.3	10.3	6.5	1.4
Delaware	71.9	16.7	31.8	21.9	1.5
Haskell	127.0	106.6	19.2	1.2	...
Latimer	59.1	11.8	21.5	24.0	1.8
LeFlore	253.6	104.3	110.0	37.8	1.5
McCurtain	662.1	504.7	111.5	44.1	1.8
, McIntosh	39.9	31.9	1.2	6.8	...
Mayes	75.1	19.6	17.5	38.0	...
Muskogee	32.7	5.8	23.3	...	3.6
Ottawa	43.1	26.6	3.6	12.9	...
Pittsburg	77.9	41.9	21.7	14.3	...
Pushmataha	134.4	29.7	58.2	46.5	...
Sequoyah	30.5	9.7	16.0	3.6	1.2
All counties	2,490.9	1,411.7	692.3	371.3	15.6

Table 24. *Growing-stock volume on commercial forest land by physiographic site class and species group, 2976*

County	All sites	Pine		Upland hardwood		Bottomland hardwood	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
- - - - - Million cubic feet - - - - -							
hdair	100.2	12.1	15.7	...	67.6	...	4.8
Atoka	74.9	29.1	3.3	...	12.6	...	29.9
Bryan	36.3	...	...	...	20.7	...	15.6
Cherokee	99.1	7.4	14.8	...	45.4	0.5	31.0
Choctaw	60.1	5.9	15.1	0.8	28.7	...	9.6
Coal	22.9	...	...	...	6.7	...	16.2
Delaware	43.8	1.7	4.7	.7	36.7	...	...
Haskell	47.3	7.8	6.9	...	...	...	32.6
Latimer	96.2	59.3	29.1	...	2.3	...	5.5
LeFlore	299.3	174.4	74.9	.1	30.1	...	19.8
McCurtain	653.2	398.4	152.2	...	36.7	1.9	64.0
McIntosh	16.2	.1	.4	...	7.3	...	8.4
Mayes	27.9	3.5	3.3	...	16.0	...	5.1
Muskogee	25.9	...	1.9	...	17.8	...	6.2
Ottawa	15.8	...	...	...	13.7	...	2.1
Pittsburg	33.5	3.0	9.1	...	11.0	...	10.4
Pushmataha	369.7	287.6	71.1	...	7.6	...	3.4
Sequoyah	39.2	16.1	5.6	...	14.1	...	3.4
All counties	2,061.5	1,006.4	408.1	1.6	375.0	2.4	268.0

Table 22. *Growing-stock volume of softwoods on commercial forest land by class of timber and tree section, 1976*

County	All classes	Poletimber	Sawtimber		
			Total	Saw log	Upper stem
- m - - e - - Million cubic feet- - - - -					
Adair	12.1	1.5	10.6	9.2	1.4
Atoka	29.1	10.6	18.5	16.7	1.8
Bryan	...	...	...	...	...
Cherokee	7.9	2.0	5.9	5.5	.4
Choctaw	6.7	2.1	4.6	4.1	.5
Coal	...	...	...	...	...
Delaware	2.4	.1	2.3	2.1	.2
Haskell	7.8	2.5	5.3	4.7	.6
Latimer	59.3	20.3	39.0	36.2	2.8
LeFlore	174.5	53.9	120.6	105.5	15.1
McCurtain	400.3	87.9	312.4	285.4	27.0
McIntosh	.1	.1	...	...	...
Mayes	3.5	2.5	1.0	.8	.2
Muskogee	...	...	...	...	...
Ottawa	...	...	...	...	...
Pittsburg	3.0	.3	2.7	2.5	.2
Pushmataha	287.6	81.9	205.7	184.4	21.3
Sequoyah	<u>16.1</u>	<u>2.2</u>	<u>13.9</u>	<u>12.5</u>	<u>1.4</u>
All counties	1,010.4	267.9	742.5	669.6	72.9

Table 23. *Growing-stock volume of hardwoods on commercial forest land by class of timber and tree section, 1976*

County	All classes	Poletimber	Sawtimber		
			Total	Saw log	Upper stem
- e - - e - - <i>Million cubic feet</i> - - - - -					
Adair	88.1	46.0	42.1	36.3	5.8
Atoka	45.8	23.2	22.6	19.9	2.7
Bryan	36.3	17.4	18.9	15.7	3.2
Cherokee	91.2	46.9	44.3	39.9	4.4
Choctaw	53.4	22.3	31.1	26.3	4.8
Coal	22.9	6.2	16.7	15.3	1.4
Delaware	41.4	25.6	15.8	11.9	3.9
Haskell	39.5	12.8	26.7	22.2	4.5
Latimer	36.9	25.7	11.2	10.5	.7
LeFlore	124.8	77.3	47.5	43.7	3.8
McCurtain	252.9	119.7	133.2	112.2	21.0
McIntosh	16.1	7.4	8.7	7.8	.9
Mayes	24.4	9.6	14.8	13.1	1.7
Muskogee	25.9	19.5	6.4	5.4	1.0
Ottawa	15.8	6.8	9.0	7.7	1.3
Pittsburg	30.5	15.4	15.1	12.8	2.3
Pushmataha	82.1	53.8	28.3	24.7	3.6
Sequoyah	<u>23.1</u>	<u>15.8</u>	<u>7.3</u>	<u>5.6</u>	<u>1.7</u>
All counties	1,051.1	551.4	499.7	431.0	68.7

Table 24. *Volume of timber on commercial forest land by class of timber and species group, 1976*

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Sof twood	Hardwood
----- Million cubic feet -----							
Adair	144.6	12.1	88.1	0.3	39.0	...	5.1
Atoka	126.0	29.1	45.8	.6	39.2	0.6	10.7
Bryan	56.7	...	36.3	...	19.6	...	.8
Cherokee	142.6	7.9	91.2	.3	37.4	...	5.8
Choctaw	85.8	6.7	53.4	.2	23.1	...	2.4
Coal	38.4	...	22.9	...	14.4	...	1.1
Delaware	93.8	2.4	41.4	.3	41.0	...	8.7
Kaskell	71.4	7.8	39.5	.2	19.1	.3	4.5
Latimer	139.9	59.3	36.9	.8	34.4	...	8.5
LeFlore	382.9	174.5	124.8	3.6	67.9	...	12.1
McCurtain	749.7	400.3	252.9	2.9	75.3	.8	17.5
McIntosh	39.1	.1	16.1	...	21.1	...	1.8
Mayes	58.4	3.5	24.4	.4	21.7	.1	8.3
Muskogee	47.7	...	25.9	...	20.2	...	1.6
Ottawa	32.3	...	15.8	...	11.7	...	4.8
Pittsburg	60.5	3.0	30.5	1.0	24.2	...	1.8
Pushmataha	455.1	287.6	82.1	4.2	69.8	1.3	10.1
Sequoyah	57.7	16.1	23.1	.2	16.0	...	2.3
All counties	2,782.6	1,010.4	1,051.1	15.0	595.1	3.1	107.9

Table 25. *Net growth of growing stock on commercial forest land by species group, 1975*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
- - - - - Million cubic feet - - - - -								
Adair	4.3	0.4	0.4	...	3.9	3.1	0.1	0.7
Atoka	4.7	2.1	2.1	(1)	2.6	1.0	(1)	1.6
Bryan	3.1	(1)	(1)	...	3.1	1.0	(1)	2.1
Cherokee	5.6	.3	.3	...	5.3	3.6	(1)	1.7
Choctaw	3.6	.5	.4	0.1	3.1	1.8	.2	1.1
Coal	1.0	(1)	(1)	...	1.0	.5	...	.5
Delaware	2.3	.1	.1	(1)	2.2	1.9	(1)	.3
Haskell	3.1	.5	.5	(1)	2.6	.8	(1)	1.8
Latimer	6.3	3.6	3.6	...	2.7	1.9	...	.8
LeFlore	17.5	10.1	9.9	.2	7.4	4.7	.4	2.3
McCurtain	32.3	19.5	19.5	(1)	12.8	7.8	1.2	3.8
McIntosh	1.1	.1	...	.1	1.0	.3	...	.7
Mayes	1.3	.2	.2	...	1.1	.7	...	.4
Muskogee	1.3	...	...	...	1.3	.6	...	.7
Ottawa	.6	...	...	...	.6	.5	...	.1
Pittsburg	2.0	.2	.2	...	1.8	1.0	...	.8
Pushmataha	24.8	17.7	17.6	.1	7.1	5.8	.1	1.2
Sequoyah	1.9	.6	.6	...	1.3	.9		
All counties	116.8	55.9	55.4	.5	60.9	37.9	2.0	21.0

'Negligible.

Table 26. *Net growth of sawtimber on commercial forest land by species group, 1975*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
- - - -Million board feet- - - - -								
Adair	21.6	6.1	6.1	...	15.5	12.6	1.8	1.1
Atoka	13.3	6.3	6.3	...	7.0	2.3	...	4.7
Bryan	3.7	(¹)	(¹)	...	3.7	1.7	(¹)	2.0
Cherokee	15.9	1.2	1.2	...	14.7	10.8	.1	3.8
Choctaw	14.6	2.1	2.0	0.1	12.5	6.3	1.8	4.4
Coal	2.9	(¹)	(¹)	...	2.9	1.2	...	1.7
Delaware	5.6	.4	.4	...	5.2	4.8	(¹)	.4
Haskell	12.6	2.0	2.0	(¹)	10.6	1.2	...	9.4
Latimer	16.8	14.8	14.8	...	2.0	1.9	...	.1
LeFlore	51.4	34.0	33.9	.1	17.4	11.3	.6	5.5
McCurtain	141.1	102.8	102.7	.1	38.3	27.2	5.2	5.9
McIntosh	5.7	...	...	...	5.7	2.5	...	3.2
Mayes	4.4	.2	.2	...	4.2	1.6	...	2.6
Muskogee	2.4	(¹)	(¹)	...	2.4	1.4	...	1.0
Ottawa	1.4	...	...	...	1.4	1.2	...	.2
Pittsburg	4.2	.8	.8	...	3.4	1.4	...	2.0
Pushmataha	73.4	66.3	66.0	.3	7.1	6.1	.1	.9
Sequoyah	6.2	5.2	5.2	...	1.0	.5	.1	
All counties	397.2	242.2	241.6	.6	155.0	96.0	9.7	49.3

¹Negligible.

Table 27. *Timber removals from growing stock on commercial forest land by species group, 1975*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
- - - - - Million cubic feet - - - - -								
Adair	0.3	0.1	0.1	...	0.2	0.1	(¹)	0.1
Atoka	1.0	.2	.2	...	.8	.5	...	.3
Bryan	.7	(¹)	(¹)	...	.7	.4	0.1	.2
Cherokee	.3	(¹)	(¹)	...	.3	.2	...	.1
Choctaw	2.7	1.5	1.5	...	1.2	.6	.3	.3
Coal	.1	(¹)	(¹)	...	.1	(¹)	...	.1
Delaware	.6	(¹)	(¹)	...	.6	.5	(¹)	.1
Haskell	.3	.1	.1	(¹)	.2	.1	...	.1
Latimer	.6	.2	.2	...	.4	.3	...	.1
LeFlore	7.5	5.7	5.7	(¹)	1.8	.7	.3	.8
McCurtain	35.8	31.1	31.0	0.1	4.7	2.8	.7	1.2
McIntosh	.2	(¹)	(¹)	...	.2	...	...	.2
Mayes	.1	(¹)	(¹)	...	.9	.8	...	.1
Muakogee	.3	(¹)	(¹)	...	.3	.2	...	.1
Ottawa	.3	(¹)	(¹)	...	.3	.3	...	(¹)
Pittsburg	.6	(¹)	(¹)	...	.6	.3	...	.3
Pushmataha	10.8	7.8	7.6	.2	3.0	1.7	.3	1.0
Sequoyah	.3	(¹)	(¹)	.	.3	.2	.	.1
All counties	63.3	46.7	46.4	.3	16.6	9.7	1.7	5.2

¹Negligible.

Table 28. *Timber removals from sawtimber on commercial forest land by species group, 1974*

county	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
- - - - - Million board feet - - - - -								
Adair	0.5	0.1	0.1	...	0.4	0.2	0.1	0.1
Atoka	2.7	1.1	1.1	...	1.6	1.1	...	.5
Bryan	2.7	(1)	(1)	...	2.7	1.5	.3	.9
Cherokee	.6	(1)	(1)	...	.6	.3	...	.3
Choctaw	9.4	5.0	5.0	...	4.4	2.1	.8	1.5
Coal	.1	(1)	(1)	...	.1	(1)	...	.1
Delaware	.9	(1)	(1)	...	.9	.a	...	.1
Haskell	.7	.4	.4	(1)	.3	...	...	.3
Latimer	2.2	.6	.6	...	1.6	1.4	...	.2
LeFlore	28.5	24.4	24.4	...	4.1	1.6	1.1	1.4
McCurtain	172.3	154.5	154.1	0.4	17.8	11.6	2.6	3.6
McIntosh	.3	(1)	(1)	...	.3	...	...	.3
Mayes	2.8	(1)	(1)	...	2.8	2.8	...	...
Muskogee	.2	(1)	(1)	...	.2	.1	...	.1
Ottawa	.9	(1)	(1)	...	.9	.8	...	.1
Pittsburg	2.0	(1)	(1)	...	2.0	1.7	...	.3
Pushmataha	46.5	36.4	36.0	.4	10.1	5.8	.8	3.5
Sequoyah	.3	(1)	(1)	...	.3	.3	...	...
All counties	273.6	222.5	221.7	.8	51.1	32.1	5.7	13.3

'Negligible.

Table 29. *Mortality of growing stock and sawtimber on commercial forest land by species group, 1975*

County	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
- - -Million cubic feet- - - - - -Million board feet- - -						
Adair	0.3	...	0.3	0.8	...	0.8
Atoka	.5	0.1	.4	2.5	0.2	2.3
Bryan	...	...	...	...	...	...
Cherokee	.7	...	.7	.7	...	.7
Choctaw	.6	...	.6	1.5	...	1.5
Coal	.2	...	.2	.9	...	.9
Delaware	.2	...	.2	.4	...	.4
Haskell	.6	...	.6	2.3	...	2.3
Latimer	.3	.2	.1	.5	.5	...
LeFlore	.5	.1	.4	1.2	.2	1.0
McCurtain	2.2	.9	1.3	6.3	2.8	3.5
McIntosh	.1	...	.1	.2	...	.2
Mayes	.4	...	.4	1.7	...	1.7
Muskogee	()	...	()	.1	...	.1
Ottawa	.2	...	.2	.4	...	.4
Pittsburg	1.2	...	1.2	3.2	...	3.2
Pushmataha	1.1	.5	.6	3.3	1.6	1.7
Sequoyah	.2	.1	.1	.3	.3	...
All counties	9.3	1.9	7.4	26.3	5.6	20.7

Table 30. Net annual change in growing stock and sawtimber on commercial forest land by species group, 1975

County	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	- - Million cubic feet - -			- - Million board feet - -		
Adair	+ 4.0	+ 0.3	+ 3.7	+ 21.1	+ 6.0	+ 15.1
Atoka	+ 3.7	+ 1.9	+ 1.8	+ 10.6	+ 5.2	+ 5.4
Bryan	+ 2.4	...	+ 2.4	+ 1.0	...	+ 1.0
Cherokee	+ 5.3	+ .3	+ 5.0	+ 15.3	+ 1.2	+ 14.1
Choctaw	+ .9	- 1.0	+ 1.9	+ 5.2	- 2.9	+ 8.1
Coal	+ .9	..1	+ .9	+ 2.8	...	+ 2.8
Delaware	+ 1.7	+ .4	+ 1.6	+ 4.7	+ .4	+ 4.3
Haskell	+ 2.8	+	+ 2.4	+ 11.9	+ 1.6	+ 10.3
Latimer	+ 5.7	+ 3.4	+ 2.3	+ 14.6	+ 14.2	+ 4
LeFlore	+ 10.0	+ 4.4	+ 5.6	+ 22.9	+ 9.6	+ 13.3
McCurtain	- 3.5	- 11.6	+ 8.3	- 31.2	- 51.7	+ 20.5
McIntosh	+ .9	+ .1	+ .8	+ 5.4	...	+ 5.4
Mayes	+ .4	+ .2	+ .2	+ 1.6	+ .2	+ 1.4
Muskogee	+ 1.0	...	+ 1.0	+ 2.2	...	+ 2.2
Ottawa	+ .3	...	+ .3	+ .5	...	+ .5
Pittsburg	+ 1.4	+ 9.9	+ 1.2	+ 2.2	+ .8	+ 1.4
Pushmataha	+ 14.0	.6	+ 4.1	+ 26.9	+ 29.9	+ 3.0
Sequoyah	+ 1.6	+	+ 1.0	+ 5.9	+ 5.2	+ .7
All counties	+ 53.5	+ 9.2	+ 44.3	+ 123.6	+ 19.7	+ 103.9

Table 31. *Crowing-stock and sawtimber volume on commercial forest land by species and Resource region, 1976*

Species	Growing stock			Sawtimber		
	East Oklahoma	Southeast	Northeast	East Oklahoma	Southeast	Northeast
- - - Million cubic feet- - - - - Million board feet- - -						
Softwood:						
Shortleaf pine	938.7	896.8	41.9	3,273.2	3,113.4	159.8
Loblolly pine	63.7	63.7	...	284.1	284.1	...
Redcedar	6.8	6.6	.2	11.1	11.1	...
Cypress	1.2	1.2	...	7.4	7.4	...
Total	<u>1,010.4</u>	<u>968.3</u>	<u>42.1</u>	<u>3,575.8</u>	<u>3,416.0</u>	<u>159.8</u>
Hardwood:						
Select white oaks ¹	96.4	72.1	24.3	218.3	176.4	41.9
Select red oaks ²	63.8	31.4	32.4	190.9	95.5	95.4
Other white oaks	258.5	194.0	64.5	458.5	363.7	94.8
Other red oaks	243.1	141.4	101.7	653.9	403.9	250.0
Pecan	15.1	10.8	4.3	73.9	58.0	15.9
Other hickories	125.7	91.0	34.7	233.3	166.5	66.8
Maple	9.5	3.8	5.7	26.1	6.3	19.8
Sweetgum	28.8	28.8	...	78.1	78.1	...
Blackgum	19.0	12.1	6.9	66.6	36.3	30.3
White ash	16.2	13.5	2.7	32.0	25.5	6.5
Other ashes	23.8	18.5	5.3	43.0	31.1	17.9
Sycamore	22.3	11.5	10.8	86.7	52.1	34.6
Willow	11.9	6.2	5.7	40.1	25.5	14.6
Black cherry	1.9	1.9	...	1.8	1.8	...
American elm	15.3	9.6	5.7	55.3	31.2	24.1
Other elms	46.6	37.9	a.7	79.9	67.4	12.5
River birch	3.8	3.0	.8	18.7	15.3	3.4
Hackberry	13.0	6.9	6.1	26.5	12.8	13.7
Other locusts	3.5	2.1	1.4	4.2	3.0	1.2
Other commercial	<u>32.9</u>	<u>28.6</u>	<u>4.3</u>	<u>103.1</u>	<u>94.0</u>	<u>9.1</u>
Total	<u>1,051.1</u>	<u>725.3</u>	<u>326.0</u>	<u>2,490.9</u>	<u>1,744.4</u>	<u>746.5</u>
All species	<u>2,061.5</u>	<u>1,693.4</u>	<u>368.1</u>	<u>6,066.7</u>	<u>5,160.4</u>	<u>906.3</u>

¹Includes white, swamp chestnut, chinkapin and bur oaks.

²Includes cherrybark, Shumard, and northern red oaks.

Table 32. *Average volume per acre of growing stock and sawtimber on commercial forest land by species group and, ownership class, 1976*

Ownership class	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	- - - - -Cubic feet- - - - -			- - - - -Board feet- - - - -		
				<u>EAST OKLAHOMA</u>		
National forest	921	580	341	3,456	2,332	1,124
Other public	428	146	282	1,273	423	850
Forest industry	735	522	213	2,431	1,940	491
Farmer	372	96	276	959	318	641
Misc. private	345	126	219	844	387	457
All ownerships	477	234	243	1,403	827	576
				<u>SOUTHEAST</u>		
National forest	921	580	341	3,456	2,332	1,124
Other public	556	273	283	1,765	828	937
Forest industry	735	522	213	2,431	1,940	491
Farmer	392	122	270	984	369	615
Misc. private	343	162	181	871	490	381
All ownerships	521	298	223	1,589	1,052	537
				<u>NORTHEAST</u>		
National forest	...	...	...	...	...	...
Other public	304	23	281	795	30	765
Forest industry	...	...	...	...	...	...
Farmer	345	63	282	927	255	672
Misc. private	353	17	336	759	71	688
All ownerships	342	39	303	841	-148	693

Table 33. Average volume per acre of growing stock and sawtimber on commercial forest land by species group and forest type, 1976

Forest type	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
- - - - -Cubic feet- - - - - - - - - - -Board feet- - - - -						
EAST OKLAHOMA						
Loblolly-shortleaf pine	892	816	10	3,001	2,842	159
Oak-pine	494	343	151	1,528	1,206	322
Oak-hickory	293	33	260	660	136	524
Oak-gum-cypress	619	6	613	2,073	35	2,038
Elm-ash-cottonwood	672	4	668	2,287	12	2,275
All types	477	234	243	1,403	827	576
SOUTHEAST						
Loblolly-shortleaf pine	880	805	75	2,952	2,795	157
Oak-pine	492	338	154	1,517	1,186	331
Oak-hickory	299	51	248	693	207	486
Oak-gum-cypress	611	7	604	2,041	40	2,001
Elm-ash-cottonwood	785	...	785	2,812	...	2,812
All types	521	298	223	1,589	1,052	537
NORTHEAST						
Loblolly-shortleaf pine	1,450	1,324	126	5,263	5,005	258
Oak-pine	539	470	69	1,830	1,745	85
Oak-hickory	286	6	280	607	26	581
Oak-gum-cypress	667	...	667	2,276	...	2,276
Elm-ash-cottonwood	553	8	545	1,734	24	1,710
All types	342	39	303	841	148	693

Table 34. *Net annual growth per acre of growing stock and sawtimber on commercial forest land by species and ownership class, 1975*

Ownership class	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
- - - - Cubic feet - - - - - - - - Board feet - - - -						
EAST OKLAHOMA						
National forest	45	31	14	184	120	64
Other public	25	8	17	70	20	50
Forest industry	41	28	13	160	135	25
Farmer	22	6	16	61	25	36
Misc. private	21	<u>4</u>	<u>13</u>	<u>65</u>	<u>29</u>	<u>36</u>
All ownerships	27	13	14	92	56	36
SOUTHEAST						
National forest	45	31	14	184	120	64
Other public	36	15	21	91	40	51
Forest industry	41	28	13	160	135	25
Farmer	27	9	18	62	28	34
Misc. private	22	<u>10</u>	<u>12</u>	66	<u>36</u>	<u>30</u>
All ownerships	31	17	14	103	71	32
NORTHEAST						
National forest	...	...	...	...	...	...
Other public	15	2	13	49	1	48
Forest industry	...	...	...	...	...	...
Farmer	16	2	14	59	20	39
Misc. private	<u>19</u>	<u>1</u>	<u>18</u>	<u>61</u>	<u>7</u>	<u>54</u>
All ownerships	18	2	16	59	12	47

Table 35. Metric area of commercial forest land by ownership class, 1976

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. private
- - - - -Thousand hectares- - - - -						
Adair	87.4	...	9.3	...	33.3	44.8
Atoka	109.3	...	8.1	...	53.7	47.5
Bryan	35.8	...	.6	...	18.4	16.8
Cherokee	94.6	...	24.9	...	40.6	29.1
Choctaw	65.6	...	6.7	...	26.3	32.6
Coal	19.8	...	.6	...	10.9	8.3
Delaware	79.0	...	13.0	...	50.7	15.3
Haske ll	46.7	...	2.3	...	12.8	31.6
Latimer	114.1	...	6.4	4.8	9.3	93.6
LeFlore	233.7	71.4	5.6	42.3	30.0	84.4
McCurtain	332.2	17.1	17.5	229.5	23.2	44.9
McIntosh	35.6	...	7.8	...	15.3	12.5
Mayes	40.1	...	4.5	...	14.7	20.9
Muskogee	33.5	...	6.6	...	1.8	25.1
Ottawa	23.6	...	1.0	...	8.7	13.9
Pittsburg	70.4	...	7.7	...	4.7	58.8
Pushmataha	286.1	...	13.0	124.6	55.5	93.0
Sequoyah	42.1	...	3.5	...	33.4	5.2
All counties	1,749.6	88.5	139.1	401.2	443.3	677.5

Table 36. *Metric volume of growing stock on commercial forest land by species group, 1976*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
----- Thousand cubic meters -----								
Adair	2,837	342	342	...	2,495	1,951	114	430
Atoka	2,121	824	818	6	1,297	575	6	716
Bryan	1,028	...	...	...	1,028	481	...	547
Cherokee	2,806	224	224	...	2,582	1,654	25	903
Choctaw	1,702	190	167	23	1,512	776	127	609
Coal	648	...	...	...	648	249	...	399
Delaware	1,240	68	65	3	1,172	926	8	238
Haskell	1,339	220	220	...	1,119	331	9	779
Latimer	2,724	1,679	1,679	...	1,045	722	...	323
LeFlore	8,476	4,942	4,854	88	3,534	2,308	272	
McCurtain	18,497	11,335	11,299	36	7,162	4,602	671	1,889
McIntosh	459	3	...	3	456	224	...	232
Mayes	790	99	99	...	691	473	34	184
Muskogee	733	...	...	...	733	328	...	40.5
Ottawa	447	...	...	...	447	354	...	93
Pittsburg	949	85	85	...	864	521	...	343
Pushmataha	10,469	8,144	8,076	68	2,325	1,863	74	388
Sequoyah	1,110	456	456	...	654	402	14	238
All counties	58,375	28,611	28,384	227	29,764	18,740	1,354	9,670

Table 37. *Average volume per hectare of growing stock on commercial forest land by species group and ownership class, 2976*

Ownership class	All species	Softwood	Hardwood
<i>- - - - Cubic meters - - - -</i>			
<u>EAST OKLAHOMA</u>			
National forest	65	41	24
Other public	30	10	20
Forest industry	52	37	15
Farmer	26	7	19
Misc. private	<u>24</u>	<u>9</u>	<u>15</u>
All ownerships	33	16	17
<u>SOUTHEAST</u>			
National forest	65	41	24
Other public	39	19	20
Forest industry	52	37	15
Farmer	28	9	19
Misc. private	<u>24</u>	<u>11</u>	<u>13</u>
All ownerships	37	21	16
<u>NORTHEAST</u>			
National forest	...	...	...
Other public	22	2	20
Forest industry	...	...	...
Farmer	24	4	20
Misc. private	<u>25</u>	<u>1</u>	<u>24</u>
All ownerships	24	3	21

Table 38. *Sampling errors for commercial forest land, growing stock, and sawtimber volume by species group, 1976*

County	Commercial forest land	Growing stock			Sawtimber		
		All species	Softwood	Hardwood	All species	Softwood	Hardwood
----- Percent -----							
Adair	2	12	(1)	14	16	(1)	18
Atoka	3	15	34	20	18	31	26
Bryan	2	23	...	23	26	...	26
Cherokee	4	15	(1)	16	24	(1)	27
Choctaw	2	11	41	13	20	43	22
Coal	8	41	...	41	50	...	50
Delaware	2	11	42	12	18	44	20
Haskell	4	36	43	44	50	38	(1)
Latimer	4	14	22	18	18	23	26
LeFlore	2	8	13	12	12	17	17
McCurtain	2	7	(1)	11	9	12	16
McIntosh	4	32	(1)	16 33	(1)	...	(1)
Mayes	2	15	...	...	19	(1)	21
Muskogee	3	20	...	20	29	...	29
Ottawa	2	35	...	35	(1)	...	(1)
Pittsburg	7	24	41	27	32	42	38
Pushmataha	2	8	10	10	10	11	15
Sequoyah	8	34	(1)	21	(1)	(1)	36
All counties	0.7	3.4	5.9	4.6	4.9	7.1	7.2

'Exceeds 50 percent.

Table 39. *Sampling errors for growth on growing stock and sawtimber on commercial forest land by species group, 1975*

county	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
----- Percent -----						
Adair	13	(1)	15	24	(1)	27
Atoka	13	28	18	23	38	33
Bryan	34	...	34	26	...	26
Cherokee	14	(1)	14	25	(1)	27
Choctaw	12	44	13	23	(1)	26
coal	35	...	35	45	...	45
				44	50	46
DeKalb	17	49	48	44	43	(1)
Latimer	15	22	24	25	28	(1)
LeFlore	7	12	13	12	16	25
McCurtain	6	10	11	9	12	17
McIntosh	32	(1)	34	45		45
Mayes	21	(1)	22	45	(1)	48
Muskogee	24	...	24	47	...	47
Ottawa	30	...	30	(1)	...	(1)
Pittsburg	27	10	30	42	40	(1)
Pushmataha	8	(1)	13	14	16	30
Sequoyah	37		27	(1)	(1)	40
All counties	3.4	5.6	5.0	5.5	7.7	8.4

¹Exceeds 50 percent.

Table 40. *Sampling errors for growing stock and sawtimber volume on commercial forest land by species and Resource region, 1976*

Species	Growing stock			Sawtimber		
	East Oklahoma	Southeast	Northeast	East Oklahoma	Southeast	Northeast
- - - - - Percent - - - - -						
Softwood:						
Shortleaf pine	6	6	38	7	7	38
Loblolly pine	36			40	40	
Redcedar	40	40	(1)	(1)	(1)	:::
Cypress	(1)	(1)	...	(1)	(1)	...
Total	5.9	5.9	38.0	7.1	7.2	38.3
Hardwood:						
Select white oaks	11	14	16	15	18	30
Select red oaks	16	15	28	23	20	42
Other white oaks	7	a	14	9	10	20
Other red oaks	9		10	12	18	14
Pecan	38	43	(1)	42	49	(1)
Other hickories	8	10	16	12	14	23
Maple	48	(1)	(1)	(1)	(1)	(1)
Sweetgum	19	19	...	25	25	...
Blackgum	17		33	22	27	34
White ash	20	20	42	32	37	(1)
Other ashes	25	30	42	33	40	(1)
Sycamore	33	37	(1)	32	44	48
Willow	39	45	(1)	35	45	(1)
Black cherry	49	49	...	(1)	(1)	...
American elm	25	30	45	30	38	49
Other elms	12		24	22	25	39
Birch	42	14	(1)	41	45	(1)
Hackberry	27	27	48	34	38	(1)
Honeylocust	37	48	(1)	(1)	(1)	(1)
Other commercial	26	30	(1)	35	39	(1)
Total	4.6	7	0	7.2	9.0	11.4
All species	3.4	3.9	7.1	4.9	5.5	11.3

'Exceeds 50 percent.

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Commercial forest area, timber inventory, growth, and **removals as** of 1976.

Additional keywords: Area, volume, forest type, stand-size, ownership, growth, removals, mortality.