

# Kansas' Forest Resources, 2008

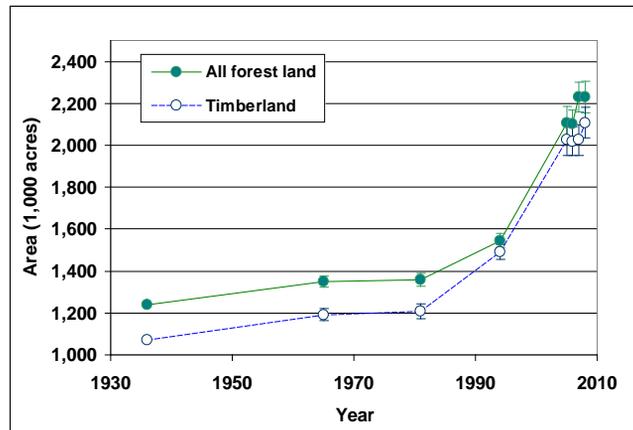
Research Note NRS-39

This publication provides an overview of forest resource attributes for Kansas based on an annual inventory conducted by the Forest Inventory and Analysis (FIA) program at the Northern Research Station of the U.S. Forest Service. These estimates, along with web-posted core tables, will be updated annually. For more information please refer to page 4 of this report. More comprehensive reports with key findings and definitions are reported every 5 years (Moser et al. 2008).

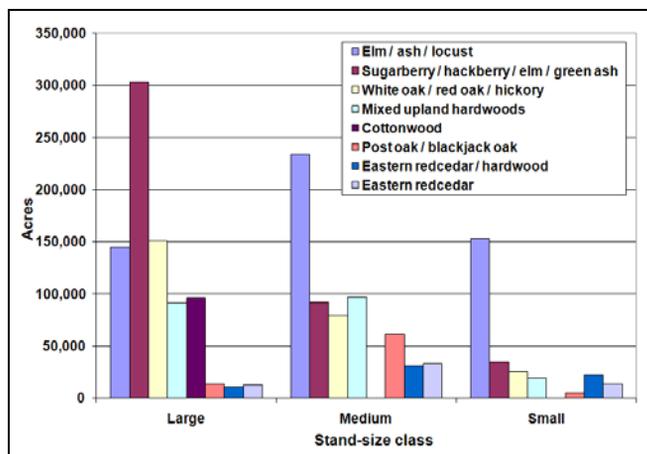
**Table 1.—Annual estimates, uncertainty, and change**

	2008 Estimate	Sampling error (%)	Change since 2003 (%)	2003 Estimate
<b>Forest Land Estimates</b>				
Area (1000 acres)	2,229.9	3.3	0.1	2,227.3
Number of all live trees 1 inch diameter or larger (million trees)	752.8	5.3	-0.9	759.9
Biomass of all live trees 1 inch diameter or larger (1,000 tons)	78,172.9	4.7	2.0	76,622.2
Net volume of live trees (million cubic feet)	2,931.9	5.6	1.7	2,882.7
Annual net growth of live trees (thousand cubic feet per year)	52,633.2	19.3	NA	NA
Annual mortality of live trees (thousand cubic feet per year)	43,786.5	14.0	NA	NA
Annual harvest removals of live trees (thousand cubic feet per year)	7,273.3	47.4	NA	NA
Annual other removals of live trees (thousand cubic feet per year)	9,897.8	30.9	NA	NA
<b>Timberland Estimates</b>				
Area (1000 acres)	2,107.6	3.5	-1.1	2,131.2
Number of all live trees 1 inch diameter or larger (million trees)	686.9	5.3	-3.8	713.9
Biomass of all live trees 1 inch diameter or larger (1,000 tons)	75,254.8	4.9	1.5	74,176.8
Net volume of live trees (million cubic feet)	2,853.2	5.8	1.6	2,809.0
Net volume of growing stock trees (million cubic feet)	1,455.8	8.1	-2.5	1,493.3
Annual net growth of growing stock trees (thousand cubic feet per year)	23,657.9	30.6	NA	NA
Annual mortality of growing stock trees (thousand cubic feet per year)	16,196.8	22.9	NA	NA
Annual harvest removals of growing stock trees (thousand cubic feet per year)	2,089.2	96.6	NA	NA
Annual other removals of growing stock trees (thousand cubic feet per year)	4,928.8	35.5	NA	NA

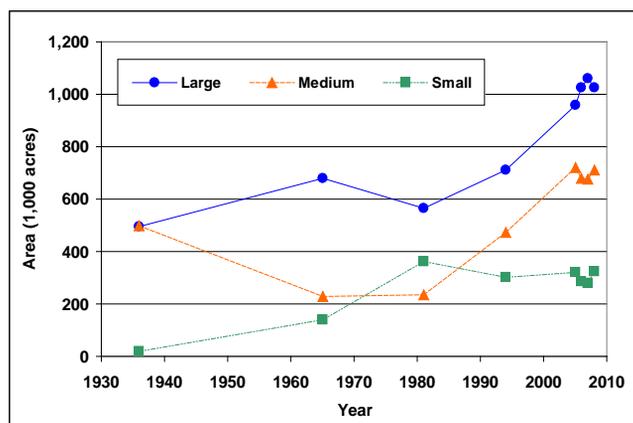
Note: When available, sampling errors/bars provided in figures and tables represent 68 percent confidence intervals



**Figure 1.—Area of timberland and forest land by year.**



**Figure 2.—Area of timberland by top eight forest types and stand-size class.**

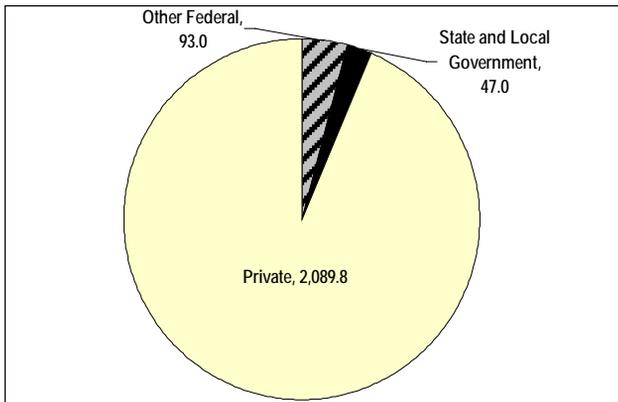


**Figure 3.—Area of timberland by stand-size class and year.**



**Table 2.—Top 10 tree species by statewide volume estimates**

Rank	Name	Net volume of live trees on forest land (million cubic feet)			Net volume of sawtimber trees on timberland (million board feet)		
		Sampling error (%)	Change since 2007 (%)		Sampling error (%)	Change since 2007 (%)	
1	Cottonwood	395.1	27.6	13.6	1,210.1	30.6	5.4
2	Hackberry	381.5	11.4	7.9	821.0	15.8	-0.2
3	Green ash	221.1	11.9	0.0	359.9	17.1	-21.4
4	American elm	216.9	9.2	-8.1	169.6	25.4	1.1
5	Osage-orange	203.4	11.9	7.8	0.0	0.0	0.0
6	Black walnut	169.0	11.1	-3.2	373.0	15.4	3.1
7	Bur oak	143.7	19.2	-17.2	363.9	26.7	-13.2
8	Red mulberry	125.6	15.8	-0.8	55.8	55.7	13.4
9	American sycamore	113.2	42.2	7.0	548.5	45.5	21.0
10	Honeylocust	104.9	16.2	-7.7	64.1	41.7	-14.3
Other softwood species		89.7	16.0	-13.2	71.6	33.1	-61.4
Other hardwood species		767.7	7.9	4.0	1,399.9	13.4	1.3
<b>All species</b>		<b>2,931.9</b>	<b>5.6</b>	<b>1.7</b>	<b>5,437.3</b>	<b>10.0</b>	<b>-1.5</b>



**Figure 4.—Area of forest land in 2008, in 1,000's of acres, by major owner group.**

**Figure 5.—Forest land in Kansas by ownership.**  
Map courtesy of D.M. Meneguzzo



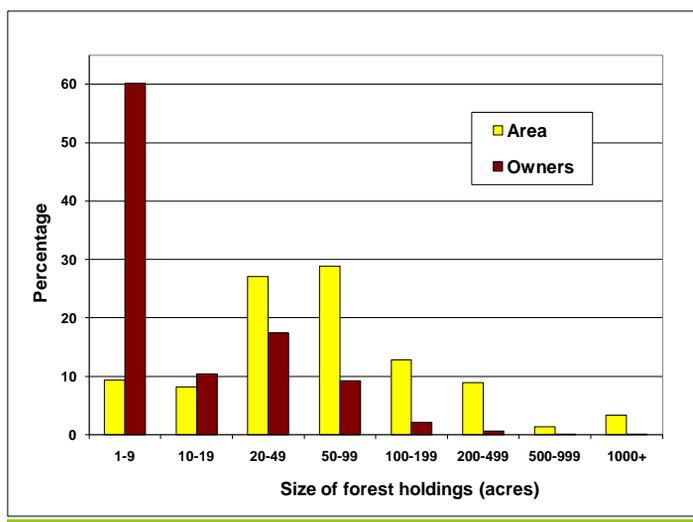
Public forest - 6%  
Private forest - 94%

Data sources: USDA Forest Service, Conservation Biology Institute  
Protected Areas Database, National Land Cover Database 2001.  
Geographic base data provided by the National Atlas of the USA.



# Kansas' Family Forest Owners

Most of Kansas' forests are privately owned (Fig. 4), and of this private forest land, most is owned by families and individuals. In 2006 (the latest year for which we have National Woodland Owner Survey [NWOS] data), there was an estimated 101,000 family forest owners in Kansas who own a total of 1.9 million acres of forest land or 91 percent of the State's total forested area (Fig. 5). Along with an inventory of the biophysical characteristics of the forest, the U.S. Forest Service conducts the NWOS to characterize the people who own these resources. The NWOS collects data on forest holding characteristics, ownership histories, ownership objectives, forest uses, forest management practices, preferred methods for receiving information, concerns, future intentions, and demographics. Below are some of the key findings for Kansas. For additional information about Kansas' family forest owners, see Butler (2008) or visit [www.fia.fs.fed.us/nwos](http://www.fia.fs.fed.us/nwos).



**Figure 6.—Area and number of family forests in Kansas by size of forest landholdings (2006).**

### Demographics

#### Age

- 14% are <45 years old
- 32% are 45 to 64 years old
- 54% are 65 or older

#### Education

- 26% have a college degree

#### Annual Household Income

- 55% under \$50,000
- 21% \$100,000 or more

### New Owners

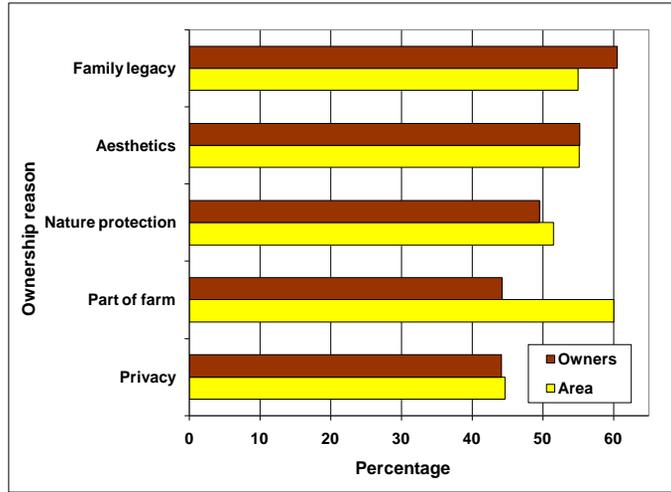
25% have purchased their forest land within the last 10 years

### Absentee Owners

44% do not live on or near (within 1 mile) their forest land

### Farmers

58% have a farm associated with their forest land



**Figure 7.—Area and number of family forests in Kansas by reason for owning forest land (2006). Numbers include landowners who ranked each objective as very important (1), or important (2) on a seven-point Likert scale.**

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### FIA Program Information

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### Additional Kansas Inventory Information

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Estimates, tabular data, and maps from this report may be generated at: <http://www.fia.fs.fed.us/tools-data/>

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