

Massachusetts' Forest Resources, 2012

Research Note NRS-189

This publication provides an overview of forest resource attributes for Massachusetts 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 3 of this report.

Table 1. – Annual estimates, uncertainty, and change

	Estimate 2012	Sampling error (%)	Change since 2007 (%)
Forest Land Estimates			
Area (1,000 acres)	3,028	1.8	-0.2
Number of live trees 1-inch diameter or larger (million trees)	1,585	3.1	1.7
Dry biomass of live trees 1-inch diameter or larger (1,000 tons)	211,047	2.4	4.9
Net volume in live trees (1,000,000 ft ³)	8,138	2.6	5.0
Annual net growth of live trees (1,000 ft ³ /year)	164,584	7.2	2.1
Annual mortality of live trees (1,000 ft ³ /year)	66,510	9.0	22.9
Annual harvest removals of live trees (1,000 ft ³ /year)	33,880	24.6	-46.5
Annual other removals of live trees (1,000 ft ³ /year)	11,195	30.5	111.3
Timberland Estimates			
Area (1,000 acres)	2,952	1.9	2.3
Number of live trees 1-inch diameter or larger (million trees)	1,559	3.2	4.4
Dry biomass of live trees 1-inch diameter or larger (1,000 tons)	208,343	2.4	6.2
Net volume in live trees (1,000,000 ft ³)	8,038	2.6	6.0
Net volume of growing-stock trees (1,000,000 ft ³)	7,268	2.8	4.6
Annual net growth of growing-stock trees (1,000 ft ³ /year)	158,046	7.0	10.1
Annual mortality of growing-stock trees (1,000 ft ³ /year)	46,837	9.4	30.0
Annual harvest removals of growing-stock trees (1,000 ft ³ /year)	27,833	25.0	-49.9
Annual other removals of growing-stock trees (1,000 ft ³ /year)	8,847	34.6	30.9

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

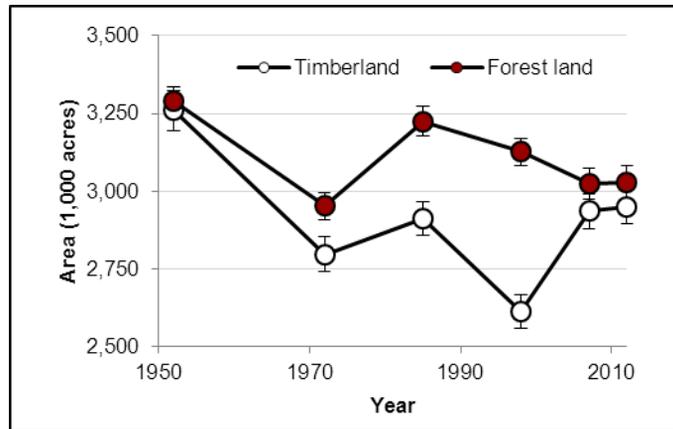


Figure 1. – Area of timberland and forest land by year.

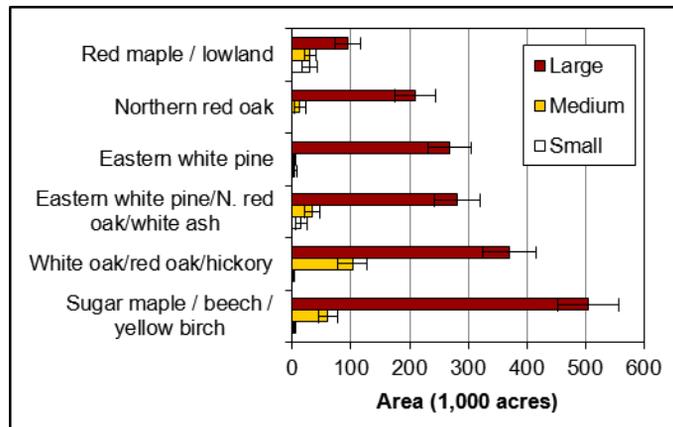


Figure 2. – Area of forest land by top six forest types and stand-size class*, 2008-2012.

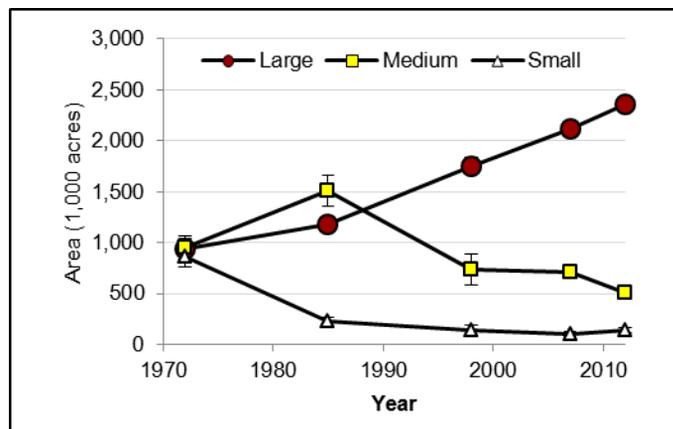


Figure 3. – Area of timberland by stand-size class* and year.

* Small: dominated by trees less than 5.0 inches d.b.h.; Medium: 5.0 to 8.9 inches d.b.h. for softwoods and 5.0 to 10.9 inches d.b.h. for hardwoods; Large: ≥ 9.0 inches for softwoods and 11.0 d.b.h. for hardwoods.



Table 2. – Top 10 tree species by statewide volume estimates, 2008-2012

Rank	Species	Volume of live trees on forest land			Volume of sawtimber trees on timberland		
		(1,000,000 ft ³)	Sampling error (%)	Change since 2007 (%)	(1,000,000 bdf)	Sampling error (%)	Change since 2007 (%)
1	Eastern white pine	1,959	7.7	4.3	8,582	8.4	7.7
2	Red maple	1,399	5.9	-1.8	3,016	8.7	2.3
3	Northern red oak	932	8.3	7.3	3,535	8.9	14.2
4	Eastern hemlock	852	10.5	10.7	2,358	11.9	10.0
5	Black oak	345	10.4	13.9	1,108	13.3	27.0
6	Sugar maple	336	12.8	4.7	975	15.1	11.2
7	White ash	303	13.8	8.8	1,014	16.9	15.0
8	Sweet birch	248	12.2	7.6	547	17.4	14.2
9	White oak	228	10.4	5.7	694	14.4	10.5
10	Scarlet oak	221	13.3	4.9	661	16.0	18.6
	Other softwoods	218	15.1	6.8	520	18.3	10.4
	Other hardwoods	1,097	6.3	4.8	2,863	9.1	15.6
	All Species	8,138	2.6	5.0	25,872	3.5	10.6

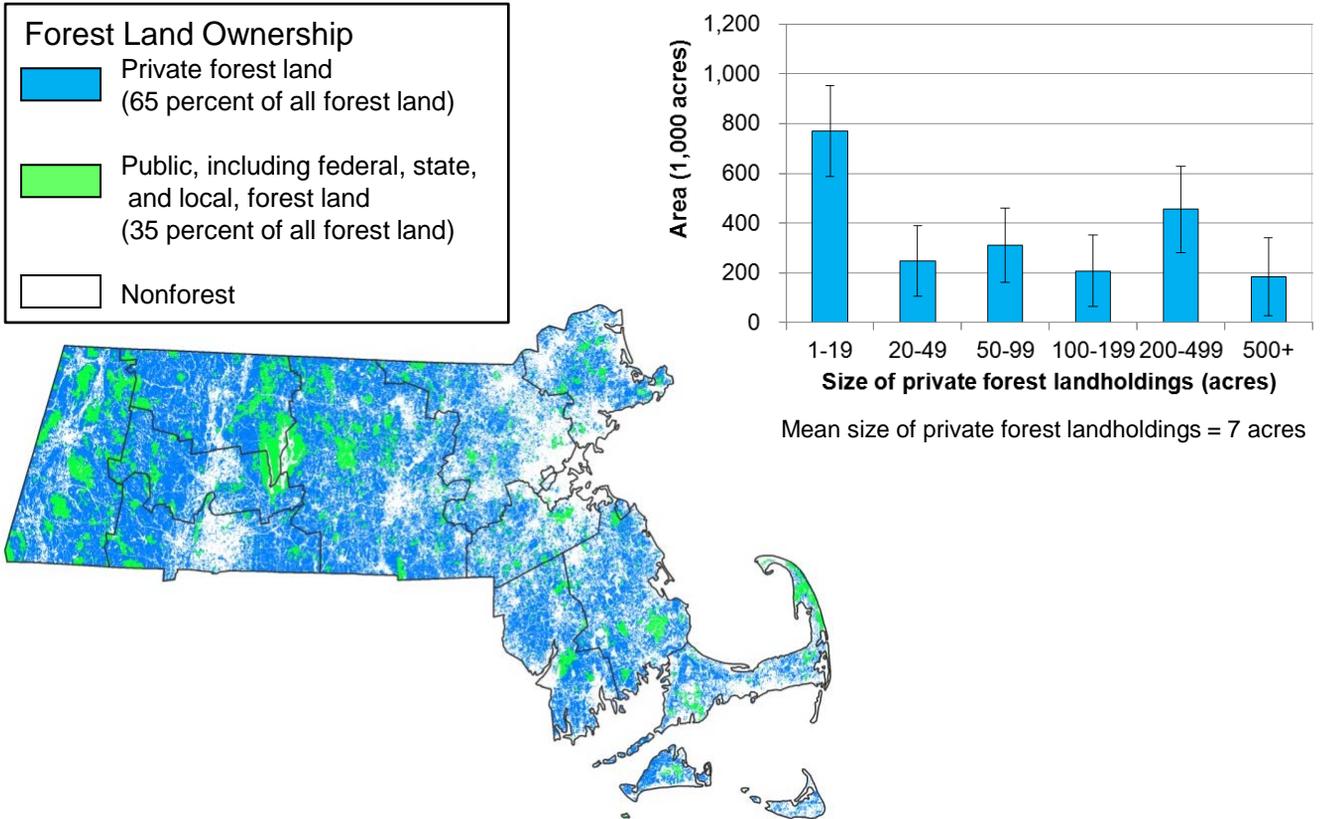


Figure 4. – Area of forest land by major owner group and size of private forest landholdings (2002-2006).



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FIA Program Information

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Additional Massachusetts Inventory Information

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Estimates, tabular data, and maps from this report may be generated at: www.fiatools.fs.fed.us

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