APPENDIX

This appendix accompanies the report *East Texas Forestlands, 2013* prepared by the Texas A&M Forest Service.

Figures:

Figure A1—Total area of timberland by forest type and county, 2013.
Figure A2—Total number of trees by forest type and county, 2013.
Figure A3—Average number of trees per acre by forest type and county, 2013.
Figure A4—Total volume by forest type and county, 2013.
Figure A5—Average volume per acre by forest type and county, 2013.
Figure A6—Total biomass by forest type and county, 2013.
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Tables:

Table A1—Area, number, volume, and biomass estimates for ***all*** forest types by county, 2013.
Table A2—Area, number, volume, and biomass estimates for ***natural pine*** forest types by county, 2013.
Table A3—Area, number, volume, and biomass estimates for ***planted pine*** forest types by county, 2013.
Table A4—Area, number, volume, and biomass estimates for ***oak-pine*** forest types by county, 2013.
Table A5—Area, number, volume, and biomass estimates for ***oak-hickory*** forest types by county, 2013.
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Table A7—Area, number, volume, and biomass estimates for ***elm-ash-cottonwood*** forest types by county, 2013.
Table A8—Area, number, volume, and biomass estimates for ***other*** forest types by county, 2013.

Definitions:

- Timberland—Land with at least 10 percent cover (or equivalent stocking) by live trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated, not withdrawn by law(s) prohibiting the management for production of wood products, and capable of growing at least 20 cubic feet per acre per year.
- Number of all live trees (or trees)—Number of live trees at least 1 inch diameter at breast height or diameter at root collar.
- Volume of all live (or volume)—Net volume of wood in the central stem of live trees 5.0 inches diameter or larger from a 1-foot height stump to a minimum 4-inch top diameter outside bark, or to where the central stem breaks into limbs all of which are less than 4.0 inches diameter outside bark. Specifications differ for woodland species, of which there are few in East Texas.
- All live aboveground biomass (or biomass)—Aboveground dry weight of live trees 1.0 inches diameter or larger, including all tops and limbs, and stump, but excluding foliage.
- Per acre estimates in the appendix are per acre of timberland.

Notes:

- Estimates are given by county in the figures and tables. Estimates are based on a sample and are therefore subject to sampling error. Sampling errors may be high for individual counties.
- Inventory estimates are from FIADB loaded to the FIA DataMart (http://apps.fs.fed.us/fiadb-downloads/datamart.html) on 07-10-2014.

Figure A1—Total area of timberland by forest type and county, 2013. (See page 7 for definitions.)

Figure A2—Total number of trees by forest type and county, 2013. (See page 7 for definitions.)

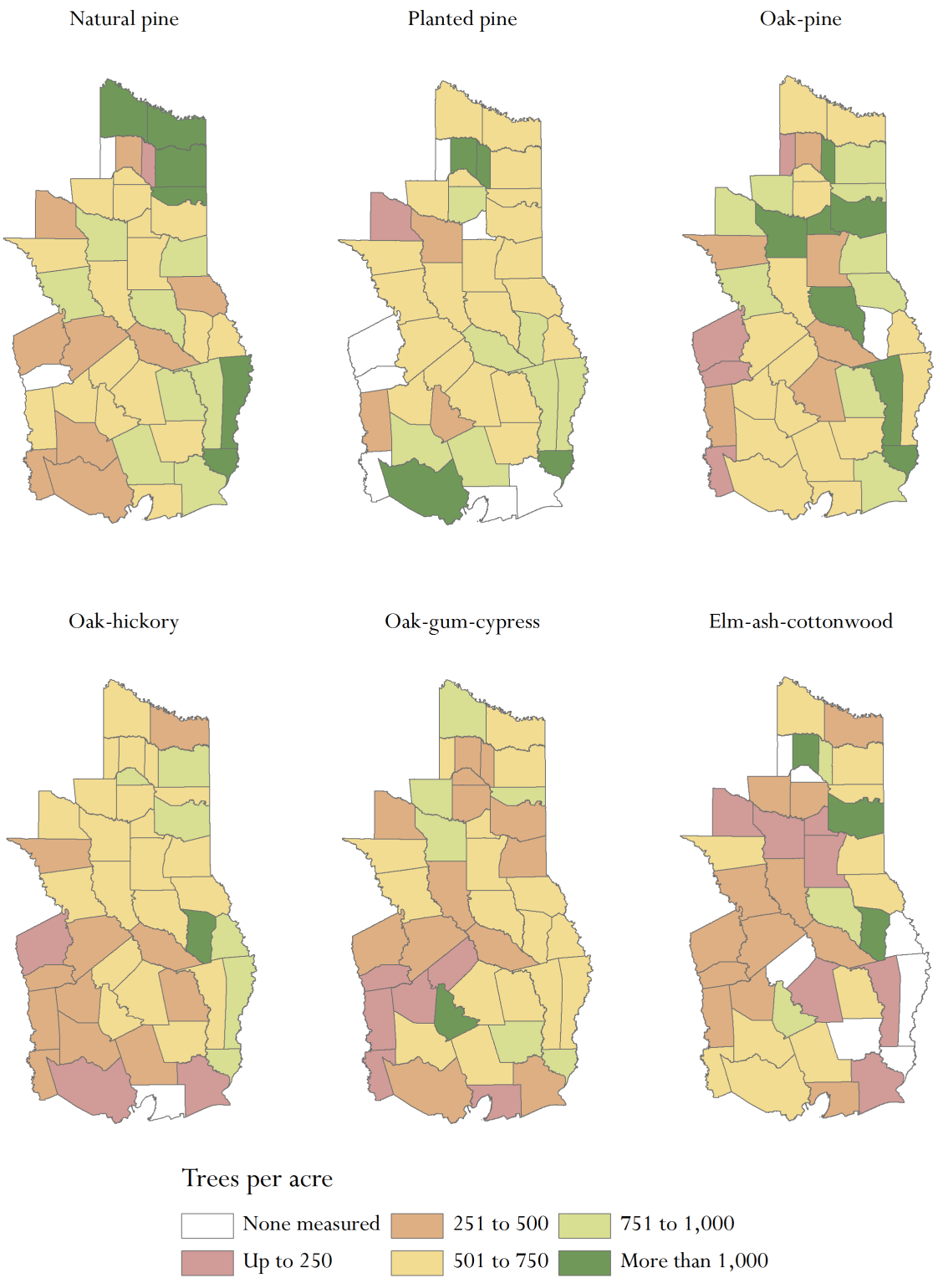

Figure A3—Average number of trees per acre by forest type and county, 2013. (See page 7 for definitions.)

Figure A4—Total volume by forest type and county, 2013. (See page 7 for definitions.)

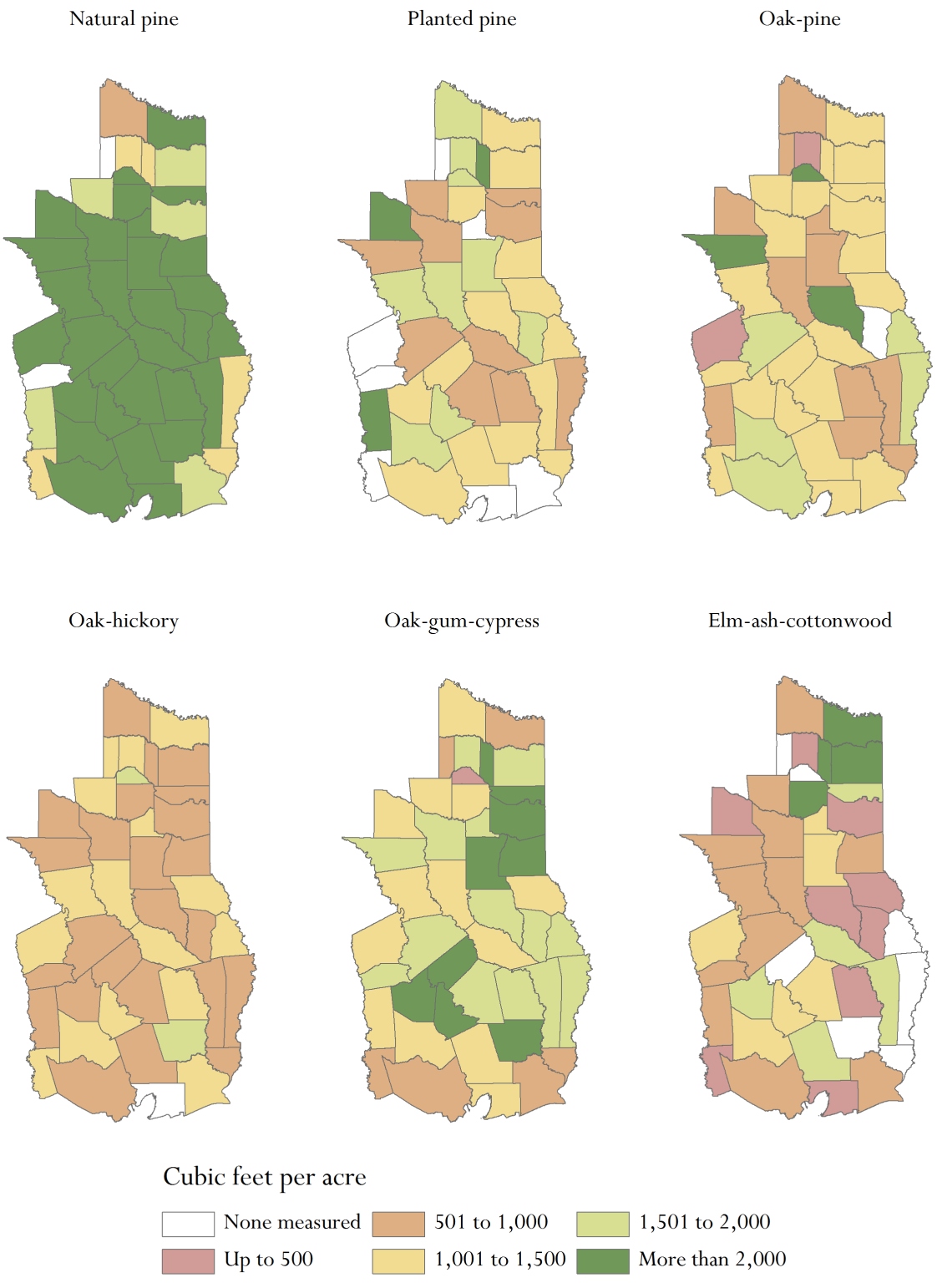

Figure A5—Average volume per acre by forest type and county, 2013. (See page 7 for definitions.)

Figure A6—Total biomass by forest type and county, 2013. (See page 7 for definitions.)

Figure A7—Average biomass per acre by forest type and county, 2013. (See page 7 for definitions.)

Table A1—Area, number, volume, and biomass estimates for ***all*** forest types by county, 2013.

County	Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
		(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Anderson	Northeast	424.6	261,721	616	590,116	1,390	15,207	35.8
Angelina	Southeast	363.5	199,300	548	555,161	1,527	13,379	36.8
Bowie	Northeast	288.9	184,950	640	404,418	1,400	10,521	36.4
Camp	Northeast	38.3	24,507	640	85,041	2,221	2,068	54.0
Cass	Northeast	415.3	328,543	791	550,827	1,326	14,345	34.5
Chambers	Southeast	35.6	22,768	639	36,831	1,034	1,028	28.9
Cherokee	Northeast	383.8	235,962	615	528,967	1,378	13,400	34.9
Franklin	Northeast	82.1	50,928	620	99,188	1,208	2,887	35.2
Gregg	Northeast	84.2	51,650	613	142,215	1,688	3,509	41.7
Grimes	Southeast	151.9	53,351	351	162,765	1,072	4,161	27.4
Hardin	Southeast	444.4	312,041	702	611,544	1,376	15,345	34.5
Harris	Southeast	215.1	105,486	490	267,326	1,243	6,521	30.3
Harrison	Northeast	362.3	276,190	762	459,088	1,267	11,799	32.6
Henderson	Northeast	169.3	75,131	444	181,590	1,073	5,110	30.2
Houston	Southeast	402.6	198,805	494	707,545	1,757	16,805	41.7
Jasper	Southeast	524.2	408,772	780	698,538	1,333	17,639	33.6
Jefferson	Southeast	73.3	38,644	527	68,982	941	2,035	27.8
Leon	Southeast	328.1	88,055	268	401,325	1,223	10,756	32.8
Liberty	Southeast	396.0	283,808	717	511,897	1,293	13,743	34.7
Madison	Southeast	58.8	16,959	288	66,570	1,132	1,790	30.4
Marion	Northeast	212.8	170,529	801	314,861	1,480	8,129	38.2
Montgomery	Southeast	388.5	185,962	479	795,471	2,048	18,510	47.6
Morris	Northeast	68.7	45,191	658	107,211	1,560	2,906	42.3
Nacogdoches	Northeast	444.2	322,948	727	770,544	1,735	18,805	42.3
Newton	Southeast	546.5	416,347	762	591,716	1,083	15,805	28.9
Orange	Southeast	113.3	127,295	1,123	104,915	926	3,135	27.7
Panola	Northeast	378.3	222,395	588	670,103	1,772	16,340	43.2
Polk	Southeast	543.4	301,645	555	720,518	1,326	17,599	32.4
Red River	Northeast	337.3	232,452	689	346,165	1,026	9,807	29.1
Rusk	Northeast	302.1	170,077	563	412,241	1,365	10,091	33.4
Sabine	Southeast	258.9	183,073	707	442,288	1,709	10,578	40.9
San Augustine	Southeast	255.6	191,007	747	537,112	2,101	12,313	48.2
San Jacinto	Southeast	285.6	180,165	631	622,905	2,181	14,565	51.0
Shelby	Northeast	320.6	182,907	571	564,053	1,760	13,871	43.3
Smith	Northeast	247.8	197,184	796	346,385	1,398	9,141	36.9
Titus	Northeast	104.2	61,952	594	122,992	1,180	3,680	35.3
Trinity	Southeast	358.4	183,501	512	723,181	2,018	16,472	46.0
Tyler	Southeast	490.6	334,120	681	621,166	1,266	15,472	31.5
Upshur	Northeast	194.6	125,851	647	286,547	1,473	7,243	37.2
Van Zandt	Northeast	128.8	63,522	493	133,821	1,039	3,707	28.8
Walker	Southeast	356.5	186,529	523	585,482	1,643	13,900	39.0
Waller	Southeast	77.5	31,914	412	55,539	717	1,429	18.4
Wood	Northeast	250.0	160,584	642	315,103	1,261	8,378	33.5

Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
	(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Southeast Region	6,668.4	4,049,547	607	9,888,777	1,483	242,981	36.4
Northeast Region	5,238.1	3,445,177	658	7,431,478	1,419	190,946	36.5
East Texas	11,906.5	7,494,724	629	17,320,255	1,455	433,927	36.4

See page 7 for definitions of area of timberland, number of all live trees, volume of all live, and all live aboveground biomass.

Estimates in the table are based on a sample and are therefore subject to sampling error. Sampling errors may be high for individual counties.

Table A2—Area, number, volume, and biomass estimates for ***natural pine*** forest types by county, 2013.

County	Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
		(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Anderson	Northeast	89.0	66,863	751	190,293	2,137	4,409	49.5
Angelina	Southeast	116.2	55,092	474	294,367	2,534	6,519	56.1
Bowie	Northeast	56.6	64,138	1,132	116,917	2,064	2,798	49.4
Camp	Northeast	4.5	3,385	744	11,433	2,514	260	57.3
Cass	Northeast	91.1	92,453	1,015	164,089	1,801	4,024	44.2
Chambers	Southeast	6.0	3,910	651	14,988	2,496	344	57.2
Cherokee	Northeast	64.0	39,171	612	146,525	2,291	3,251	50.8
Franklin	Northeast	-	-	-	-	-	-	-
Gregg	Northeast	22.3	12,487	561	62,914	2,827	1,322	59.4
Grimes	Southeast	33.2	18,647	562	49,902	1,505	1,178	35.5
Hardin	Southeast	79.7	54,606	685	172,437	2,163	4,012	50.3
Harris	Southeast	64.8	26,768	413	152,464	2,353	3,332	51.4
Harrison	Northeast	63.6	42,598	670	117,699	1,852	2,648	41.7
Henderson	Northeast	6.1	4,294	708	13,361	2,203	297	48.9
Houston	Southeast	153.2	72,525	473	408,193	2,664	8,963	58.5
Jasper	Southeast	128.9	109,961	853	285,589	2,216	6,681	51.8
Jefferson	Southeast	4.5	3,686	821	8,793	1,959	203	45.2
Leon	Southeast	25.5	11,990	470	69,005	2,704	1,564	61.3
Liberty	Southeast	39.9	30,198	757	88,887	2,228	2,110	52.9
Madison	Southeast	-	-	-	-	-	-	-
Marion	Northeast	31.1	41,925	1,349	88,424	2,846	2,150	69.2
Montgomery	Southeast	162.6	62,176	382	464,489	2,856	9,864	60.7
Morris	Northeast	9.0	1,531	169	12,274	1,358	262	29.0
Nacogdoches	Northeast	111.4	94,690	850	304,842	2,737	6,851	61.5
Newton	Southeast	85.1	103,420	1,215	121,190	1,424	3,177	37.3
Orange	Southeast	17.7	21,121	1,192	22,522	1,271	629	35.5
Panola	Northeast	72.5	68,876	950	190,348	2,625	4,475	61.7
Polk	Southeast	125.4	78,788	628	301,677	2,405	6,754	53.8
Red River	Northeast	13.4	36,975	2,755	11,522	858	327	24.3
Rusk	Northeast	49.9	27,401	550	161,886	3,247	3,501	70.2
Sabine	Southeast	72.3	44,842	621	210,793	2,918	4,671	64.7
San Augustine	Southeast	86.8	46,914	540	273,269	3,148	5,877	67.7
San Jacinto	Southeast	100.4	51,419	512	338,269	3,368	7,474	74.4
Shelby	Northeast	80.5	35,931	446	238,513	2,963	5,107	63.4
Smith	Northeast	53.3	42,517	797	129,200	2,423	2,969	55.7
Titus	Northeast	4.7	1,712	362	7,020	1,483	153	32.3
Trinity	Southeast	120.1	62,554	521	413,398	3,442	8,928	74.3
Tyler	Southeast	90.1	76,180	846	191,773	2,129	4,481	49.7
Upshur	Northeast	43.8	25,362	579	104,323	2,383	2,311	52.8
Van Zandt	Northeast	1.5	639	420	6,319	4,155	131	86.1
Walker	Southeast	150.2	92,987	619	369,195	2,458	8,198	54.6
Waller	Southeast	19.7	9,183	466	29,022	1,472	664	33.7
Wood	Northeast	39.8	26,895	676	65,931	1,656	1,556	39.1

Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
	(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Southeast Region	1,682.3	1,036,966	616	4,280,221	2,544	95,623	56.8
Northeast Region	908.1	729,842	804	2,143,834	2,361	48,801	53.7
East Texas	2,590.5	1,766,808	682	6,424,055	2,480	144,423	55.8

See page 7 for definitions of area of timberland, number of all live trees, volume of all live, and all live aboveground biomass.

Estimates in the table are based on a sample and are therefore subject to sampling error. Sampling errors may be high for individual counties.

Table A3—Area, number, volume, and biomass estimates for ***planted pine*** forest types by county, 2013.

County	Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
		(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Anderson	Northeast	53.1	36,734	691	94,798	1,785	2,084	39.2
Angelina	Southeast	100.9	82,817	821	82,407	817	2,191	21.7
Bowie	Northeast	39.2	23,032	587	48,802	1,244	1,075	27.4
Camp	Northeast	2.5	1,457	578	5,007	1,986	102	40.4
Cass	Northeast	92.2	54,677	593	121,281	1,315	2,667	28.9
Chambers	Southeast	-	-	-	-	-	-	-
Cherokee	Northeast	74.9	50,126	669	113,407	1,513	2,649	35.4
Franklin	Northeast	-	-	-	-	-	-	-
Gregg	Northeast	-	-	-	-	-	-	-
Grimes	Southeast	12.0	3,992	332	25,755	2,144	531	44.2
Hardin	Southeast	220.5	148,790	675	241,440	1,095	5,987	27.2
Harris	Southeast	10.7	12,312	1,152	10,958	1,026	289	27.1
Harrison	Northeast	83.5	46,064	552	79,921	958	1,844	22.1
Henderson	Northeast	10.6	6,972	657	9,025	850	244	22.9
Houston	Southeast	60.4	33,751	559	56,051	928	1,318	21.8
Jasper	Southeast	193.9	146,850	757	195,498	1,008	4,921	25.4
Jefferson	Southeast	-	-	-	-	-	-	-
Leon	Southeast	-	-	-	-	-	-	-
Liberty	Southeast	94.7	76,607	809	117,298	1,239	2,987	31.6
Madison	Southeast	-	-	-	-	-	-	-
Marion	Northeast	42.3	22,875	540	31,573	746	819	19.3
Montgomery	Southeast	15.1	11,408	757	26,230	1,740	614	40.7
Morris	Northeast	3.4	3,964	1,183	8,001	2,388	194	58.0
Nacogdoches	Northeast	114.5	80,618	704	159,604	1,394	3,727	32.6
Newton	Southeast	245.1	184,145	751	185,122	755	4,921	20.1
Orange	Southeast	18.0	20,721	1,148	26,591	1,474	709	39.3
Panola	Northeast	91.4	51,096	559	127,872	1,400	2,897	31.7
Polk	Southeast	227.1	114,781	505	200,006	881	4,781	21.1
Red River	Northeast	49.5	27,185	549	85,444	1,725	1,872	37.8
Rusk	Northeast	55.2	28,134	510	87,993	1,595	1,884	34.2
Sabine	Southeast	99.4	72,954	734	100,419	1,010	2,454	24.7
San Augustine	Southeast	118.0	96,081	814	202,363	1,715	4,589	38.9
San Jacinto	Southeast	58.9	27,975	475	98,734	1,676	2,156	36.6
Shelby	Northeast	58.4	37,210	637	82,177	1,407	1,891	32.4
Smith	Northeast	16.6	4,576	276	9,966	601	208	12.6
Titus	Northeast	4.9	7,041	1,433	9,292	1,891	236	47.9
Trinity	Southeast	152.6	84,348	553	206,549	1,353	4,673	30.6
Tyler	Southeast	256.0	166,366	650	255,196	997	6,238	24.4
Upshur	Northeast	24.8	24,311	982	34,337	1,387	826	33.4
Van Zandt	Northeast	1.7	174	102	6,931	4,083	157	92.8
Walker	Southeast	62.8	33,538	534	63,740	1,015	1,528	24.3
Waller	Southeast	-	-	-	-	-	-	-
Wood	Northeast	18.2	10,599	581	17,820	977	411	22.6

Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
	(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Southeast Region	1,946.1	1,317,435	677	2,094,357	1,076	50,888	26.1
Northeast Region	836.9	516,845	618	1,133,251	1,354	25,788	30.8
East Texas	2,782.9	1,834,280	659	3,227,607	1,160	76,677	27.6

See page 7 for definitions of area of timberland, number of all live trees, volume of all live, and all live aboveground biomass.

Estimates in the table are based on a sample and are therefore subject to sampling error. Sampling errors may be high for individual counties.

Table A4—Area, number, volume, and biomass estimates for ***oak-pine*** forest types by county, 2013.

County	Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
		(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Anderson	Northeast	36.3	30,337	836	41,791	1,152	1,181	32.5
Angelina	Southeast	34.6	13,632	394	46,546	1,347	1,173	33.9
Bowie	Northeast	31.5	20,390	647	35,511	1,127	986	31.3
Camp	Northeast	10.7	7,552	706	40,954	3,827	975	91.1
Cass	Northeast	44.7	38,446	860	59,680	1,335	1,652	37.0
Chambers	Southeast	4.5	2,865	636	5,500	1,221	165	36.5
Cherokee	Northeast	52.5	33,565	640	44,447	847	1,211	23.1
Franklin	Northeast	6.1	1,457	240	3,237	534	91	15.0
Gregg	Northeast	6.1	11,150	1,820	3,721	607	168	27.5
Grimes	Southeast	15.8	7,815	494	10,788	682	290	18.3
Hardin	Southeast	40.0	27,024	675	30,284	756	864	21.6
Harris	Southeast	19.2	10,921	569	37,060	1,931	886	46.2
Harrison	Northeast	53.9	63,507	1,179	55,213	1,025	1,585	29.4
Henderson	Northeast	5.7	2,265	397	16,545	2,902	374	65.7
Houston	Southeast	69.9	45,088	645	125,724	1,799	3,292	47.1
Jasper	Southeast	45.0	53,198	1,182	44,754	994	1,278	28.4
Jefferson	Southeast	16.0	14,165	883	19,000	1,185	546	34.0
Leon	Southeast	27.3	5,672	208	13,579	498	325	11.9
Liberty	Southeast	43.9	29,898	681	64,478	1,469	1,688	38.4
Madison	Southeast	5.7	1,082	189	8,137	1,424	188	33.0
Marion	Northeast	45.9	36,998	806	68,266	1,486	1,729	37.6
Montgomery	Southeast	106.0	67,434	636	169,315	1,597	4,378	41.3
Morris	Northeast	7.6	9,505	1,251	10,587	1,393	367	48.3
Nacogdoches	Northeast	50.1	50,617	1,009	113,213	2,258	2,850	56.8
Newton	Southeast	76.4	40,300	528	116,526	1,526	3,005	39.4
Orange	Southeast	12.0	16,105	1,341	11,261	938	342	28.5
Panola	Northeast	42.3	31,834	753	59,544	1,408	1,590	37.6
Polk	Southeast	63.5	28,413	448	76,950	1,212	2,000	31.5
Red River	Northeast	33.5	17,210	513	29,979	894	813	24.2
Rusk	Northeast	34.9	13,683	392	18,570	531	480	13.7
Sabine	Southeast	53.3	33,559	630	86,159	1,616	2,203	41.3
San Augustine	Southeast	-	-	-	-	-	-	-
San Jacinto	Southeast	28.8	16,082	557	36,903	1,279	935	32.4
Shelby	Northeast	44.0	34,255	779	65,329	1,485	1,764	40.1
Smith	Northeast	62.9	71,999	1,144	80,544	1,280	2,219	35.3
Titus	Northeast	9.3	4,324	464	3,258	350	105	11.3
Trinity	Southeast	31.9	21,400	671	37,535	1,178	1,049	32.9
Tyler	Southeast	45.0	36,398	808	38,391	852	1,117	24.8
Upshur	Northeast	40.9	28,624	701	48,054	1,176	1,326	32.4
Van Zandt	Northeast	10.1	9,258	915	8,984	887	245	24.2
Walker	Southeast	36.3	23,126	638	36,922	1,018	995	27.4
Waller	Southeast	10.3	2,379	231	11,099	1,079	266	25.8
Wood	Northeast	34.1	30,069	882	43,464	1,275	1,239	36.3

Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
	(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Southeast Region	785.4	496,557	632	1,026,910	1,308	26,983	34.4
Northeast Region	663.2	547,043	825	850,891	1,283	22,950	34.6
East Texas	1,448.6	1,043,600	720	1,877,801	1,296	49,933	34.5

See page 7 for definitions of area of timberland, number of all live trees, volume of all live, and all live aboveground biomass.

Estimates in the table are based on a sample and are therefore subject to sampling error. Sampling errors may be high for individual counties.

Table A5—Area, number, volume, and biomass estimates for ***oak-hickory*** forest types by county, 2013.

County	Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
		(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Anderson	Northeast	144.8	76,380	528	155,488	1,074	4,562	31.5
Angelina	Southeast	62.3	28,985	466	72,208	1,160	1,962	31.5
Bowie	Northeast	78.3	34,635	442	109,235	1,395	3,021	38.6
Camp	Northeast	12.6	9,886	787	24,281	1,932	641	51.0
Cass	Northeast	119.1	105,240	884	114,891	965	3,579	30.1
Chambers	Southeast	-	-	-	-	-	-	-
Cherokee	Northeast	137.0	93,495	682	169,291	1,236	4,846	35.4
Franklin	Northeast	61.2	41,729	682	82,419	1,348	2,418	39.5
Gregg	Northeast	19.5	13,437	689	24,827	1,273	731	37.5
Grimes	Southeast	61.5	16,512	268	58,061	944	1,651	26.8
Hardin	Southeast	12.0	8,849	737	22,383	1,864	561	46.7
Harris	Southeast	32.9	6,938	211	16,880	513	475	14.4
Harrison	Northeast	101.7	86,620	852	83,172	818	2,646	26.0
Henderson	Northeast	116.6	45,203	388	111,766	959	3,271	28.1
Houston	Southeast	67.6	28,176	417	64,741	958	1,882	27.9
Jasper	Southeast	56.8	37,587	662	32,984	581	1,041	18.3
Jefferson	Southeast	5.9	1,329	225	7,121	1,206	195	33.1
Leon	Southeast	211.9	52,289	247	240,367	1,134	6,736	31.8
Liberty	Southeast	53.3	20,591	387	43,343	814	1,267	23.8
Madison	Southeast	35.9	11,103	310	34,736	969	962	26.8
Marion	Northeast	61.7	42,035	681	49,823	807	1,603	26.0
Montgomery	Southeast	74.8	28,294	378	101,511	1,357	2,727	36.5
Morris	Northeast	30.3	20,781	686	20,311	671	635	21.0
Nacogdoches	Northeast	105.2	63,179	601	103,889	988	2,988	28.4
Newton	Southeast	46.0	34,698	755	45,777	996	1,355	29.5
Orange	Southeast	9.7	8,799	911	7,313	757	203	21.0
Panola	Northeast	60.8	32,752	538	59,192	973	1,584	26.0
Polk	Southeast	75.1	49,183	655	64,112	854	1,907	25.4
Red River	Northeast	121.2	62,790	518	99,527	821	3,029	25.0
Rusk	Northeast	123.1	85,475	695	83,824	681	2,646	21.5
Sabine	Southeast	28.4	28,024	987	35,476	1,250	998	35.2
San Augustine	Southeast	14.9	21,735	1,456	11,257	754	400	26.8
San Jacinto	Southeast	68.8	38,838	564	71,438	1,038	2,013	29.3
Shelby	Northeast	100.9	52,250	518	143,890	1,426	4,103	40.6
Smith	Northeast	61.8	46,033	744	57,413	928	1,786	28.9
Titus	Northeast	60.2	34,943	580	69,467	1,153	2,205	36.6
Trinity	Southeast	11.8	8,495	723	7,634	650	284	24.2
Tyler	Southeast	31.3	14,531	465	36,619	1,171	994	31.8
Upshur	Northeast	42.6	29,472	692	32,670	767	1,014	23.8
Van Zandt	Northeast	91.6	46,851	512	90,380	987	2,616	28.6
Walker	Southeast	86.5	29,034	336	71,050	821	2,030	23.5
Waller	Southeast	5.7	2,023	354	6,559	1,148	181	31.8
Wood	Northeast	91.1	53,868	592	123,887	1,361	3,535	38.8

Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
	(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Southeast Region	1,052.9	476,011	452	1,051,570	999	29,824	28.3
Northeast Region	1,741.1	1,077,053	619	1,809,644	1,039	53,459	30.7
East Texas	2,794.0	1,553,064	556	2,861,214	1,024	83,283	29.8

See page 7 for definitions of area of timberland, number of all live trees, volume of all live, and all live aboveground biomass.

Estimates in the table are based on a sample and are therefore subject to sampling error. Sampling errors may be high for individual counties.

Table A6—Area, number, volume, and biomass estimates for ***oak-gum-cypress*** forest types by county, 2013.

County	Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
		(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Anderson	Northeast	39.8	25,423	639	52,789	1,327	1,490	37.5
Angelina	Southeast	39.5	16,438	416	44,854	1,135	1,214	30.7
Bowie	Northeast	66.8	38,583	577	60,248	901	1,975	29.5
Camp	Northeast	7.9	2,227	280	3,366	424	89	11.2
Cass	Northeast	51.0	35,398	694	84,352	1,653	2,246	44.0
Chambers	Southeast	6.0	1,426	237	8,988	1,497	241	40.2
Cherokee	Northeast	25.0	6,290	252	33,878	1,357	864	34.6
Franklin	Northeast	6.1	4,347	717	4,658	768	176	29.0
Gregg	Northeast	23.8	12,677	534	35,746	1,505	951	40.1
Grimes	Southeast	5.7	1,304	228	8,021	1,404	214	37.5
Hardin	Southeast	60.8	48,850	804	127,766	2,103	3,346	55.1
Harris	Southeast	23.6	9,398	397	20,950	886	633	26.7
Harrison	Northeast	46.1	19,223	417	123,045	2,670	3,049	66.2
Henderson	Northeast	12.1	6,899	569	18,435	1,520	555	45.7
Houston	Southeast	13.5	6,093	452	21,697	1,611	536	39.8
Jasper	Southeast	83.6	53,398	639	129,214	1,546	3,462	41.4
Jefferson	Southeast	18.7	8,996	482	17,241	924	540	29.0
Leon	Southeast	27.6	7,220	261	41,195	1,491	1,139	41.2
Liberty	Southeast	90.2	54,834	608	128,835	1,429	3,543	39.3
Madison	Southeast	11.2	2,484	221	19,178	1,710	514	45.9
Marion	Northeast	24.1	23,108	959	65,877	2,733	1,561	64.8
Montgomery	Southeast	19.8	11,143	563	22,678	1,145	631	31.9
Morris	Northeast	12.7	4,207	332	41,643	3,284	1,089	85.9
Nacogdoches	Northeast	50.2	25,460	507	85,470	1,703	2,230	44.4
Newton	Southeast	69.2	41,284	597	116,379	1,683	3,064	44.3
Orange	Southeast	29.4	26,337	896	26,465	900	756	25.7
Panola	Northeast	74.8	24,218	324	218,720	2,922	5,313	71.0
Polk	Southeast	44.0	29,452	669	70,108	1,593	1,986	45.1
Red River	Northeast	41.2	33,389	811	56,514	1,373	1,796	43.6
Rusk	Northeast	25.8	14,562	565	55,403	2,152	1,467	57.0
Sabine	Southeast	5.5	3,693	667	9,441	1,705	251	45.4
San Augustine	Southeast	30.2	19,047	631	49,384	1,635	1,404	46.5
San Jacinto	Southeast	20.6	39,051	1,892	66,479	3,221	1,677	81.2
Shelby	Northeast	18.6	12,162	653	25,945	1,393	709	38.1
Smith	Northeast	34.2	28,519	835	52,253	1,529	1,580	46.2
Titus	Northeast	19.0	6,184	326	32,424	1,709	899	47.4
Trinity	Southeast	22.9	5,612	245	55,761	2,436	1,480	64.7
Tyler	Southeast	59.3	38,712	652	97,954	1,651	2,586	43.6
Upshur	Northeast	33.5	15,714	468	47,933	1,429	1,309	39.0
Van Zandt	Northeast	15.2	5,462	360	19,036	1,256	500	33.0
Walker	Southeast	2.9	516	181	14,573	5,101	373	130.7
Waller	Southeast	1.5	108	72	809	539	23	15.2
Wood	Northeast	32.1	26,981	841	36,414	1,135	963	30.0

Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
	(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Southeast Region	685.6	425,397	620	1,097,968	1,601	29,612	43.2
Northeast Region	659.9	371,033	562	1,154,150	1,749	30,811	46.7
East Texas	1,345.5	796,430	592	2,252,118	1,674	60,423	44.9

See page 7 for definitions of area of timberland, number of all live trees, volume of all live, and all live aboveground biomass.

Estimates in the table are based on a sample and are therefore subject to sampling error. Sampling errors may be high for individual counties.

Table A7—Area, number, volume, and biomass estimates for ***elm-ash-cottonwood*** forest types by county, 2013.

County	Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
		(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Anderson	Northeast	55.0	24,809	451	48,931	889	1,356	24.6
Angelina	Southeast	8.3	2,335	282	14,780	1,787	321	38.8
Bowie	Northeast	14.9	4,137	278	33,370	2,242	660	44.3
Camp	Northeast	-	-	-	-	-	-	-
Cass	Northeast	3.1	2,293	732	6,327	2,020	173	55.3
Chambers	Southeast	4.8	1,391	288	1,118	232	39	8.1
Cherokee	Northeast	21.9	7,621	349	14,416	659	421	19.2
Franklin	Northeast	-	-	-	-	-	-	-
Gregg	Northeast	11.1	1,901	172	15,007	1,355	336	30.3
Grimes	Southeast	11.7	4,629	394	10,238	872	290	24.7
Hardin	Southeast	-	-	-	-	-	-	-
Harris	Southeast	16.7	8,469	506	15,820	945	433	25.9
Harrison	Northeast	12.1	18,178	1,504	38	3	27	2.3
Henderson	Northeast	18.2	9,499	522	12,457	684	370	20.3
Houston	Southeast	33.8	12,435	368	27,025	799	734	21.7
Jasper	Southeast	5.6	479	86	9,705	1,736	211	37.7
Jefferson	Southeast	1.6	116	72	907	564	21	13.0
Leon	Southeast	32.5	9,818	302	36,757	1,130	979	30.1
Liberty	Southeast	37.2	26,368	709	61,555	1,656	1,729	46.5
Madison	Southeast	6.0	2,291	381	4,519	752	126	20.9
Marion	Northeast	6.1	3,587	591	10,900	1,797	267	44.0
Montgomery	Southeast	8.1	4,187	519	10,913	1,353	285	35.3
Morris	Northeast	5.8	5,203	904	14,394	2,501	359	62.3
Nacogdoches	Northeast	9.2	8,312	906	3,321	362	155	16.8
Newton	Southeast	-	-	-	-	-	-	-
Orange	Southeast	-	-	-	-	-	-	-
Panola	Northeast	19.7	10,738	545	12,546	637	428	21.7
Polk	Southeast	6.0	992	165	7,429	1,237	164	27.3
Red River	Northeast	72.4	45,746	632	63,134	872	1,918	26.5
Rusk	Northeast	4.2	822	196	4,565	1,087	113	26.9
Sabine	Southeast	-	-	-	-	-	-	-
San Augustine	Southeast	5.7	7,231	1,273	839	148	43	7.5
San Jacinto	Southeast	8.0	6,800	854	11,083	1,391	310	38.9
Shelby	Northeast	10.6	6,477	610	4,994	471	177	16.6
Smith	Northeast	10.6	2,281	215	8,563	806	190	17.9
Titus	Northeast	6.1	7,748	1,278	1,532	253	83	13.6
Trinity	Southeast	-	-	-	-	-	-	-
Tyler	Southeast	1.4	960	691	584	421	19	13.4
Upshur	Northeast	6.4	2,260	354	18,989	2,972	449	70.4
Van Zandt	Northeast	8.7	1,138	130	2,171	248	58	6.7
Walker	Southeast	17.7	7,327	414	30,002	1,694	776	43.8
Waller	Southeast	15.3	8,434	550	4,177	272	146	9.5
Wood	Northeast	34.7	12,171	351	27,587	795	673	19.4

Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
	(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Southeast Region	220.4	104,263	473	247,452	1,123	6,624	30.0
Northeast Region	330.7	174,922	529	303,244	917	8,211	24.8
East Texas	551.1	279,185	507	550,695	999	14,835	26.9

See page 7 for definitions of area of timberland, number of all live trees, volume of all live, and all live aboveground biomass.

Estimates in the table are based on a sample and are therefore subject to sampling error. Sampling errors may be high for individual counties.

Table A8—Area, number, volume, and biomass estimates for ***other*** forest types by county, 2013.

County	Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
		(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Anderson	Northeast	6.6	1,175	177	6,025	907	126	19.0
Angelina	Southeast	1.8	-	-	-	-	-	-
Bowie	Northeast	1.4	35	24	335	232	7	4.7
Camp	Northeast	-	-	-	-	-	-	-
Cass	Northeast	14.0	36	3	207	15	4	0.3
Chambers	Southeast	14.3	13,175	924	6,237	437	240	16.8
Cherokee	Northeast	8.6	5,695	661	7,002	812	158	18.4
Franklin	Northeast	8.8	3,396	385	8,874	1,006	203	23.0
Gregg	Northeast	1.5	-	-	-	-	-	-
Grimes	Southeast	11.9	452	38	-	-	7	0.6
Hardin	Southeast	31.4	23,923	761	17,234	548	575	18.3
Harris	Southeast	47.1	30,681	651	13,194	280	474	10.1
Harrison	Northeast	1.5	-	-	-	-	-	-
Henderson	Northeast	-	-	-	-	-	-	-
Houston	Southeast	4.3	738	172	4,115	960	81	18.8
Jasper	Southeast	10.5	7,298	692	793	75	45	4.2
Jefferson	Southeast	26.6	10,352	389	15,920	599	530	19.9
Leon	Southeast	3.3	1,066	325	422	129	13	3.9
Liberty	Southeast	37.0	45,312	1,225	7,500	203	420	11.3
Madison	Southeast	-	-	-	-	-	-	-
Marion	Northeast	1.5	-	-	-	-	-	-
Montgomery	Southeast	2.1	1,319	632	336	161	13	6.0
Morris	Northeast	-	-	-	-	-	-	-
Nacogdoches	Northeast	3.7	71	19	204	56	5	1.3
Newton	Southeast	24.7	12,500	505	6,722	272	282	11.4
Orange	Southeast	26.5	34,212	1,290	10,764	406	497	18.7
Panola	Northeast	16.7	2,883	172	1,881	113	53	3.2
Polk	Southeast	2.4	36	15	236	100	7	2.9
Red River	Northeast	6.1	9,158	1,505	43	7	53	8.7
Rusk	Northeast	9.1	-	-	-	-	-	-
Sabine	Southeast	-	-	-	-	-	-	-
San Augustine	Southeast	-	-	-	-	-	-	-
San Jacinto	Southeast	-	-	-	-	-	-	-
Shelby	Northeast	7.5	4,622	617	3,205	428	120	16.0
Smith	Northeast	8.4	1,259	150	8,448	1,009	189	22.5
Titus	Northeast	-	-	-	-	-	-	-
Trinity	Southeast	19.2	1,092	57	2,304	120	59	3.1
Tyler	Southeast	7.5	973	130	649	86	38	5.1
Upshur	Northeast	2.7	109	41	242	91	8	3.0
Van Zandt	Northeast	-	-	-	-	-	-	-
Walker	Southeast	0.1	-	-	-	-	-	-
Waller	Southeast	24.9	9,787	393	3,874	156	148	6.0
Wood	Northeast	-	-	-	-	-	-	-

Region	Area of timberland	Number of all live trees		Volume of all live		All live aboveground biomass	
	(thousand acres)	(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)
Southeast Region	295.6	192,918	653	90,299	305	3,427	11.6
Northeast Region	98.3	28,439	289	36,465	371	925	9.4
East Texas	393.9	221,357	562	126,764	322	4,353	11.1

See page 7 for definitions of area of timberland, number of all live trees, volume of all live, and all live aboveground biomass.

Estimates in the table are based on a sample and are therefore subject to sampling error. Sampling errors may be high for individual counties.