

This appendix accompanies the report *East Texas Forestlands, 2011* prepared by the Texas A&M Forest Service.

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**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any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated, not withdrawn by law(s) prohibiting the management for production of wood products, and capable of growing at least 20 cubic feet per acre per year.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 custom queries of FIADB Version 5.1 Microsoft Access that was loaded to the FIA DataMart (<http://199.128.173.17/fiadb4-downloads/datamart.html>) on 02-10-2012.



Figure A1—Total area of timberland by forest type and county, 2011. (See page 7 for definitions.)



Figure A2—Total number of trees by forest type and county, 2011. (See page 7 for definitions.)



Figure A3—Average number of trees per acre by forest type and county, 2011. (See page 7 for definitions.)



Figure A4—Total volume by forest type and county, 2011. (See page 7 for definitions.)



Figure A5—Average volume per acre by forest type and county, 2011. (See page 7 for definitions.)



Figure A6—Total biomass by forest type and county, 2011. (See page 7 for definitions.)



Figure A7—Average biomass per acre by forest type and county, 2011. (See page 7 for definitions.)



Table A1—Area, number, volume, and biomass estimates for *all* forest types by county, 2011.

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	422.1	295,431	700	620,420	1,470	16,055	38.0	
Angelina	Southeast	356.2	191,301	537	580,915	1,631	13,856	38.9	
Bowie	Northeast	286.0	186,847	653	387,470	1,355	10,097	35.3	
Camp	Northeast	38.5	26,552	689	79,874	2,073	1,977	51.3	
Cass	Northeast	432.0	351,007	812	553,463	1,281	14,541	33.7	
Chambers	Southeast	29.3	16,951	578	28,688	979	770	26.3	
Cherokee	Northeast	391.8	262,612	670	579,210	1,478	14,715	37.6	
Franklin	Northeast	88.3	54,368	616	98,966	1,121	2,896	32.8	
Gregg	Northeast	86.9	54,416	626	147,603	1,698	3,651	42.0	
Grimes	Southeast	141.0	52,317	371	171,672	1,218	4,361	30.9	
Hardin	Southeast	444.2	312,851	704	642,692	1,447	16,149	36.4	
Harris	Southeast	199.8	98,545	493	257,950	1,291	6,405	32.1	
Harrison	Northeast	374.3	312,880	836	500,807	1,338	13,081	34.9	
Henderson	Northeast	162.4	75,509	465	177,930	1,096	5,012	30.9	
Houston	Southeast	379.6	197,540	520	715,124	1,884	16,922	44.6	
Jasper	Southeast	521.8	403,397	773	689,241	1,321	17,528	33.6	
Jefferson	Southeast	67.1	31,203	465	65,966	984	1,860	27.7	
Leon	Southeast	321.0	93,160	290	399,592	1,245	10,917	34.0	
Liberty	Southeast	429.1	323,143	753	565,290	1,318	15,402	35.9	
Madison	Southeast	65.3	21,459	329	82,854	1,270	2,252	34.5	
Marion	Northeast	214.3	165,751	774	295,475	1,379	7,779	36.3	
Montgomery	Southeast	390.3	192,889	494	867,038	2,222	20,018	51.3	
Morris	Northeast	64.3	43,575	678	110,625	1,721	2,918	45.4	
Nacogdoches	Northeast	442.0	319,387	723	749,799	1,697	18,291	41.4	
Newton	Southeast	547.0	431,192	788	572,325	1,046	15,478	28.3	
Orange	Southeast	112.3	129,835	1,156	90,891	809	2,912	25.9	
Panola	Northeast	367.9	228,771	622	664,449	1,806	16,145	43.9	
Polk	Southeast	540.4	306,763	568	695,167	1,286	17,255	31.9	
Red River	Northeast	336.3	240,519	715	332,629	989	9,533	28.3	
Rusk	Northeast	314.3	174,036	554	411,643	1,310	10,136	32.2	
Sabine	Southeast	270.1	199,888	740	477,593	1,768	11,509	42.6	
San Augustine	Southeast	255.2	186,802	732	516,325	2,023	11,804	46.3	
San Jacinto	Southeast	289.6	202,742	700	611,999	2,113	14,517	50.1	
Shelby	Northeast	328.6	186,310	567	576,015	1,753	14,137	43.0	
Smith	Northeast	249.4	191,939	770	321,683	1,290	8,709	34.9	
Titus	Northeast	105.6	72,243	684	128,508	1,217	3,884	36.8	
Trinity	Southeast	360.1	197,154	548	773,609	2,148	17,627	49.0	
Tyler	Southeast	497.5	315,262	634	583,002	1,172	14,662	29.5	
Upshur	Northeast	203.4	134,539	661	278,073	1,367	7,079	34.8	
Van Zandt	Northeast	130.3	62,032	476	141,267	1,084	3,909	30.0	
Walker	Southeast	346.7	194,917	562	614,651	1,773	14,645	42.2	
Waller	Southeast	71.7	22,487	314	79,343	1,107	1,902	26.5	
Wood	Northeast	256.5	141,041	550	304,012	1,185	8,092	31.5	
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		6,635.2	4,121,800	621	10,081,929	1,519	248,750	37.5	
Northeast Region		5,295.1	3,579,766	676	7,459,921	1,409	192,637	36.4	
East Texas		11,930.3	7,701,566	646	17,541,850	1,470	441,387	37.0	

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, 2011.

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	89.1	67,846	761	184,928	2,075	4,270	47.9	
Angelina	Southeast	120.0	55,664	464	298,211	2,485	6,642	55.4	
Bowie	Northeast	53.8	51,348	954	103,851	1,930	2,486	46.2	
Camp	Northeast	4.6	3,820	836	9,260	2,027	216	47.2	
Cass	Northeast	96.2	109,036	1,134	176,062	1,830	4,402	45.8	
Chambers	Southeast	7.5	1,695	226	12,160	1,620	276	36.8	
Cherokee	Northeast	58.7	34,737	591	156,645	2,667	3,409	58.0	
Franklin	Northeast	-	-	-	-	-	-	-	
Gregg	Northeast	22.9	12,702	554	58,802	2,565	1,231	53.7	
Grimes	Southeast	33.0	16,085	487	48,466	1,466	1,130	34.2	
Hardin	Southeast	96.0	62,932	656	185,685	1,934	4,345	45.3	
Harris	Southeast	60.8	26,908	443	145,911	2,400	3,200	52.7	
Harrison	Northeast	55.8	39,360	706	108,244	1,941	2,424	43.5	
Henderson	Northeast	7.6	4,350	571	13,582	1,783	303	39.8	
Houston	Southeast	145.6	76,997	529	449,588	3,087	9,845	67.6	
Jasper	Southeast	147.6	129,127	875	300,285	2,034	7,104	48.1	
Jefferson	Southeast	4.5	3,597	806	9,120	2,043	209	46.8	
Leon	Southeast	18.0	12,293	682	41,046	2,278	1,016	56.4	
Liberty	Southeast	33.2	26,180	788	63,790	1,920	1,572	47.3	
Madison	Southeast	-	-	-	-	-	-	-	
Marion	Northeast	36.8	44,067	1,198	80,948	2,201	2,045	55.6	
Montgomery	Southeast	156.3	67,358	431	522,466	3,343	11,100	71.0	
Morris	Northeast	13.7	4,481	327	18,516	1,350	396	28.9	
Nacogdoches	Northeast	106.0	97,270	917	289,708	2,732	6,526	61.6	
Newton	Southeast	90.0	114,685	1,275	101,236	1,125	2,803	31.2	
Orange	Southeast	11.5	13,007	1,127	10,169	881	293	25.4	
Panola	Northeast	68.1	63,316	930	182,006	2,673	4,267	62.7	
Polk	Southeast	111.8	78,079	698	274,968	2,459	6,189	55.3	
Red River	Northeast	13.5	36,577	2,713	12,362	917	337	25.0	
Rusk	Northeast	49.2	28,778	585	154,804	3,148	3,367	68.5	
Sabine	Southeast	78.5	49,124	626	215,797	2,750	4,803	61.2	
San Augustine	Southeast	81.4	41,409	509	266,425	3,272	5,701	70.0	
San Jacinto	Southeast	105.7	66,867	633	335,337	3,172	7,549	71.4	
Shelby	Northeast	70.2	27,010	385	216,365	3,081	4,612	65.7	
Smith	Northeast	46.2	35,273	763	115,181	2,492	2,675	57.9	
Titus	Northeast	4.8	1,720	362	7,052	1,483	154	32.3	
Trinity	Southeast	122.3	65,873	538	463,031	3,785	9,997	81.7	
Tyler	Southeast	87.8	75,326	858	185,462	2,112	4,435	50.5	
Upshur	Northeast	55.6	34,796	625	124,784	2,242	2,810	50.5	
Van Zandt	Northeast	7.1	1,135	161	9,550	1,353	194	27.5	
Walker	Southeast	161.0	111,895	695	394,523	2,451	8,835	54.9	
Waller	Southeast	24.5	8,061	330	51,182	2,093	1,126	46.0	
Wood	Northeast	36.9	20,705	561	62,078	1,681	1,451	39.3	
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		1,697.1	1,103,162	650	4,374,858	2,578	98,171	57.8	
Northeast Region		896.9	718,326	801	2,084,729	2,324	47,577	53.0	
East Texas		2,594.0	1,821,488	702	6,459,586	2,490	145,748	56.2	

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, 2011.

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	53.7	43,754	814	89,945	1,674	2,047	38.1	
Angelina	Southeast	101.8	77,954	766	110,455	1,085	2,719	26.7	
Bowie	Northeast	35.0	24,963	712	42,618	1,216	942	26.9	
Camp	Northeast	2.7	3,090	1,155	2,578	964	66	24.6	
Cass	Northeast	90.6	56,672	625	118,026	1,303	2,703	29.8	
Chambers	Southeast	-	-	-	-	-	-	-	
Cherokee	Northeast	82.2	64,283	782	126,248	1,536	2,955	36.0	
Franklin	Northeast	-	-	-	-	-	-	-	
Gregg	Northeast	-	-	-	-	-	-	-	
Grimes	Southeast	12.0	3,992	332	25,755	2,144	531	44.2	
Hardin	Southeast	203.1	147,502	726	238,285	1,173	5,895	29.0	
Harris	Southeast	4.1	499	121	5,346	1,300	108	26.2	
Harrison	Northeast	71.9	48,625	676	87,081	1,211	2,005	27.9	
Henderson	Northeast	10.7	11,371	1,067	7,763	728	215	20.2	
Houston	Southeast	56.4	28,258	501	44,609	791	1,061	18.8	
Jasper	Southeast	180.2	140,961	782	173,461	962	4,519	25.1	
Jefferson	Southeast	-	-	-	-	-	-	-	
Leon	Southeast	-	-	-	-	-	-	-	
Liberty	Southeast	86.5	88,182	1,020	119,898	1,387	3,206	37.1	
Madison	Southeast	-	-	-	-	-	-	-	
Marion	Northeast	38.6	20,104	521	20,205	524	537	13.9	
Montgomery	Southeast	15.9	7,824	492	19,110	1,201	418	26.3	
Morris	Northeast	3.4	3,975	1,183	8,023	2,388	195	57.9	
Nacogdoches	Northeast	104.3	72,246	693	144,757	1,388	3,282	31.5	
Newton	Southeast	233.2	179,437	770	182,807	784	4,948	21.2	
Orange	Southeast	18.5	20,915	1,128	17,714	955	536	28.9	
Panola	Northeast	94.6	59,068	624	120,130	1,270	2,695	28.5	
Polk	Southeast	209.7	112,297	536	152,366	727	3,813	18.2	
Red River	Northeast	50.8	29,280	576	70,972	1,396	1,576	31.0	
Rusk	Northeast	61.8	26,859	435	73,754	1,194	1,623	26.3	
Sabine	Southeast	102.2	94,715	927	122,495	1,198	3,067	30.0	
San Augustine	Southeast	111.4	93,372	838	190,805	1,713	4,305	38.6	
San Jacinto	Southeast	65.3	34,668	531	97,852	1,498	2,185	33.5	
Shelby	Northeast	64.6	37,530	581	108,549	1,682	2,448	37.9	
Smith	Northeast	15.6	5,711	365	6,683	428	159	10.2	
Titus	Northeast	5.4	6,160	1,134	6,641	1,222	156	28.8	
Trinity	Southeast	160.7	97,928	610	205,934	1,282	4,732	29.5	
Tyler	Southeast	241.7	128,538	532	214,167	886	5,219	21.6	
Upshur	Northeast	24.4	18,750	769	18,975	779	493	20.2	
Van Zandt	Northeast	1.6	162	102	6,456	4,083	147	92.8	
Walker	Southeast	64.2	35,466	552	55,421	863	1,394	21.7	
Waller	Southeast	-	-	-	-	-	-	-	
Wood	Northeast	18.3	10,102	552	14,444	789	342	18.7	
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		1,867.0	1,292,508	692	1,976,479	1,059	48,656	26.1	
Northeast Region		830.1	542,704	654	1,073,847	1,294	24,585	29.6	
East Texas		2,697.1	1,835,212	680	3,050,326	1,131	73,241	27.2	

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, 2011.

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	32.3	26,823	831	49,959	1,547	1,346	41.7	
Angelina	Southeast	34.3	14,081	410	48,922	1,425	1,235	36.0	
Bowie	Northeast	38.3	21,559	562	40,363	1,053	1,044	27.2	
Camp	Northeast	10.8	7,587	706	41,142	3,827	980	91.1	
Cass	Northeast	51.0	38,831	761	50,355	987	1,406	27.5	
Chambers	Southeast	4.5	4,180	928	5,877	1,305	164	36.3	
Cherokee	Northeast	52.1	34,951	670	50,274	964	1,376	26.4	
Franklin	Northeast	6.1	1,463	240	3,252	534	91	15.0	
Gregg	Northeast	6.1	11,201	1,821	3,738	608	169	27.5	
Grimes	Southeast	9.5	5,213	548	6,562	690	182	19.1	
Hardin	Southeast	29.7	17,307	582	17,039	573	525	17.7	
Harris	Southeast	31.2	24,068	771	35,492	1,138	994	31.8	
Harrison	Northeast	60.8	82,534	1,357	58,215	957	1,801	29.6	
Henderson	Northeast	4.2	2,235	532	16,329	3,889	368	87.6	
Houston	Southeast	46.8	33,165	708	77,368	1,653	2,135	45.6	
Jasper	Southeast	43.2	39,500	915	32,025	742	946	21.9	
Jefferson	Southeast	9.6	3,713	387	16,636	1,732	425	44.2	
Leon	Southeast	26.6	4,922	185	11,012	415	261	9.8	
Liberty	Southeast	43.5	26,299	604	71,562	1,644	1,766	40.6	
Madison	Southeast	5.5	1,047	189	7,879	1,424	182	33.0	
Marion	Northeast	51.8	35,679	689	69,272	1,337	1,818	35.1	
Montgomery	Southeast	119.0	76,506	643	180,791	1,519	4,747	39.9	
Morris	Northeast	7.6	9,534	1,251	10,620	1,393	369	48.3	
Nacogdoches	Northeast	59.3	56,782	957	118,175	1,991	2,985	50.3	
Newton	Southeast	72.4	45,412	628	111,916	1,547	2,892	40.0	
Orange	Southeast	18.0	28,605	1,588	16,717	928	564	31.3	
Panola	Northeast	40.6	38,780	956	54,660	1,347	1,477	36.4	
Polk	Southeast	74.9	39,976	534	112,868	1,508	2,844	38.0	
Red River	Northeast	27.5	17,163	623	23,101	839	602	21.9	
Rusk	Northeast	36.9	20,123	546	38,413	1,042	961	26.1	
Sabine	Southeast	60.6	35,744	589	99,060	1,634	2,527	41.7	
San Augustine	Southeast	6.0	8,015	1,335	1,761	293	100	16.7	
San Jacinto	Southeast	19.3	14,669	759	25,152	1,302	726	37.6	
Shelby	Northeast	54.9	38,303	698	73,573	1,341	1,963	35.8	
Smith	Northeast	63.3	71,649	1,132	81,632	1,290	2,331	36.8	
Titus	Northeast	-	-	-	-	-	-	-	
Trinity	Southeast	32.3	23,604	731	42,062	1,303	1,192	36.9	
Tyler	Southeast	58.4	53,876	922	47,726	817	1,384	23.7	
Upshur	Northeast	42.3	26,785	634	42,714	1,011	1,207	28.6	
Van Zandt	Northeast	1.5	567	372	656	430	18	11.6	
Walker	Southeast	26.7	9,795	366	37,502	1,403	980	36.7	
Waller	Southeast	4.1	714	172	4,894	1,180	118	28.5	
Wood	Northeast	35.7	30,021	840	46,741	1,308	1,293	36.2	
Region		Area of timberland (thousand acres)	Number of all live trees (thousand trees) (trees per acre)		Volume of all live (thousand cu ft) (cu ft per acre)		All live aboveground biomass (thousand tons) (tons per acre)		
Southeast Region		776.3	510,411	658	1,010,824	1,302	26,889	34.6	
Northeast Region		683.2	572,572	838	873,184	1,278	23,605	34.5	
East Texas		1,459.5	1,082,983	742	1,884,007	1,291	50,495	34.6	

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 A5—Area, number, volume, and biomass estimates for *oak-hickory* forest types by county, 2011.

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	147.6	93,325	632	171,148	1,159	5,069	34.3	
Angelina	Southeast	56.9	26,788	471	65,709	1,155	1,785	31.4	
Bowie	Northeast	75.0	41,435	552	108,419	1,445	3,040	40.5	
Camp	Northeast	12.6	9,822	782	23,519	1,872	627	49.9	
Cass	Northeast	121.1	108,129	893	118,196	976	3,638	30.0	
Chambers	Southeast	-	-	-	-	-	-	-	
Cherokee	Northeast	143.1	104,646	731	184,117	1,287	5,323	37.2	
Franklin	Northeast	67.2	45,734	680	84,619	1,259	2,516	37.4	
Gregg	Northeast	19.8	14,004	706	24,831	1,252	726	36.6	
Grimes	Southeast	58.8	18,968	322	63,670	1,082	1,819	30.9	
Hardin	Southeast	24.0	13,771	573	44,967	1,872	1,191	49.6	
Harris	Southeast	21.1	6,686	318	16,476	782	473	22.5	
Harrison	Northeast	123.0	105,382	857	124,132	1,009	3,786	30.8	
Henderson	Northeast	115.6	46,125	399	111,619	966	3,296	28.5	
Houston	Southeast	76.2	38,793	509	85,737	1,125	2,414	31.7	
Jasper	Southeast	57.5	51,251	891	35,625	619	1,169	20.3	
Jefferson	Southeast	5.8	781	135	6,560	1,138	169	29.3	
Leon	Southeast	211.7	55,600	263	256,168	1,210	7,153	33.8	
Liberty	Southeast	52.9	27,786	525	46,014	870	1,400	26.5	
Madison	Southeast	36.6	10,362	283	43,571	1,189	1,205	32.9	
Marion	Northeast	56.8	41,203	725	50,815	894	1,587	27.9	
Montgomery	Southeast	57.8	16,566	287	107,138	1,853	2,682	46.4	
Morris	Northeast	20.2	15,455	764	16,856	833	493	24.4	
Nacogdoches	Northeast	110.6	59,306	536	103,888	940	2,998	27.1	
Newton	Southeast	56.5	39,039	691	52,032	921	1,541	27.3	
Orange	Southeast	11.7	8,655	742	10,767	923	286	24.5	
Panola	Northeast	51.2	35,607	696	66,864	1,307	1,733	33.9	
Polk	Southeast	73.6	38,414	522	55,158	750	1,632	22.2	
Red River	Northeast	110.4	60,640	549	104,578	948	3,187	28.9	
Rusk	Northeast	131.1	83,417	636	88,133	672	2,687	20.5	
Sabine	Southeast	23.1	16,342	706	32,298	1,396	883	38.2	
San Augustine	Southeast	14.8	17,031	1,151	7,278	492	249	16.8	
San Jacinto	Southeast	69.3	40,407	583	78,258	1,129	2,094	30.2	
Shelby	Northeast	102.0	56,296	552	146,492	1,436	4,195	41.1	
Smith	Northeast	59.9	44,630	745	37,048	618	1,259	21.0	
Titus	Northeast	69.7	49,475	710	83,402	1,196	2,581	37.0	
Trinity	Southeast	15.2	5,087	335	6,859	452	231	15.2	
Tyler	Southeast	37.1	11,300	305	31,791	857	860	23.2	
Upshur	Northeast	41.1	32,192	783	26,142	635	834	20.3	
Van Zandt	Northeast	95.7	51,311	536	104,508	1,092	3,014	31.5	
Walker	Southeast	70.0	28,633	409	77,816	1,112	2,207	31.5	
Waller	Southeast	5.5	1,959	354	6,351	1,148	176	31.8	
Wood	Northeast	98.6	51,557	523	125,227	1,270	3,549	36.0	
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		1,036.2	474,219	458	1,130,242	1,091	31,620	30.5	
Northeast Region		1,772.5	1,149,690	649	1,904,554	1,074	56,139	31.7	
East Texas		2,808.8	1,623,909	578	3,034,795	1,080	87,758	31.2	

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, 2011.

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	37.1	27,754	747	46,185	1,244	1,287	34.7	
Angelina	Southeast	37.6	14,476	385	44,510	1,183	1,193	31.7	
Bowie	Northeast	60.9	40,683	668	57,313	941	1,863	30.6	
Camp	Northeast	8.0	2,233	280	3,375	424	90	11.2	
Cass	Northeast	60.4	35,888	595	85,626	1,419	2,248	37.2	
Chambers	Southeast	6.0	1,426	237	8,988	1,497	241	40.2	
Cherokee	Northeast	27.1	6,535	241	36,698	1,356	948	35.0	
Franklin	Northeast	6.1	3,874	636	3,688	605	117	19.2	
Gregg	Northeast	19.3	13,907	722	35,379	1,836	948	49.2	
Grimes	Southeast	5.5	1,162	210	7,550	1,365	202	36.6	
Hardin	Southeast	64.7	51,365	794	146,456	2,263	3,776	58.3	
Harris	Southeast	23.7	8,122	343	25,074	1,060	735	31.1	
Harrison	Northeast	42.5	18,285	430	98,778	2,322	2,466	58.0	
Henderson	Northeast	12.2	8,374	687	19,878	1,631	598	49.1	
Houston	Southeast	18.2	7,620	419	23,879	1,314	605	33.3	
Jasper	Southeast	76.7	39,077	509	131,019	1,708	3,400	44.3	
Jefferson	Southeast	16.5	8,146	493	15,241	923	456	27.6	
Leon	Southeast	27.7	7,993	288	47,263	1,705	1,297	46.8	
Liberty	Southeast	117.7	63,774	542	187,558	1,594	5,030	42.7	
Madison	Southeast	17.1	7,577	444	24,014	1,408	677	39.7	
Marion	Northeast	24.2	20,601	851	63,999	2,643	1,538	63.5	
Montgomery	Southeast	29.8	17,797	598	21,011	706	642	21.6	
Morris	Northeast	13.5	4,903	362	42,149	3,111	1,105	81.6	
Nacogdoches	Northeast	52.5	25,431	484	89,933	1,712	2,345	44.6	
Newton	Southeast	70.4	40,119	570	117,613	1,672	3,012	42.8	
Orange	Southeast	25.2	27,831	1,103	25,675	1,017	770	30.5	
Panola	Northeast	76.8	22,325	291	224,448	2,922	5,478	71.3	
Polk	Southeast	51.6	35,283	684	80,012	1,551	2,300	44.6	
Red River	Northeast	52.2	37,746	723	57,231	1,096	1,766	33.8	
Rusk	Northeast	26.2	14,859	567	56,540	2,159	1,497	57.2	
Sabine	Southeast	5.6	3,963	704	7,944	1,411	228	40.6	
San Augustine	Southeast	36.1	19,974	554	49,244	1,365	1,408	39.0	
San Jacinto	Southeast	17.1	34,779	2,030	61,753	3,604	1,535	89.6	
Shelby	Northeast	17.2	11,812	687	23,524	1,369	639	37.2	
Smith	Northeast	39.4	30,574	776	57,793	1,468	1,747	44.4	
Titus	Northeast	12.7	5,253	415	19,700	1,555	561	44.3	
Trinity	Southeast	21.3	4,295	202	54,175	2,547	1,435	67.5	
Tyler	Southeast	67.0	43,597	651	100,825	1,505	2,670	39.9	
Upshur	Northeast	27.6	14,663	531	31,172	1,129	894	32.4	
Van Zandt	Northeast	15.2	4,993	328	18,201	1,195	478	31.4	
Walker	Southeast	2.8	499	181	14,112	5,101	362	130.7	
Waller	Southeast	7.5	1,784	238	10,476	1,396	274	36.5	
Wood	Northeast	30.9	19,541	633	37,930	1,229	975	31.6	
Region		Area of timberland (thousand acres)	Number of all live trees		Volume of all live		All live aboveground biomass		
Southeast Region		745.7	440,660	591	1,204,391	1,615	32,249	43.2	
Northeast Region		662.0	370,236	559	1,109,542	1,676	29,586	44.7	
East Texas		1,407.7	810,896	576	2,313,933	1,644	61,835	43.9	

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, 2011.

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	55.2	34,696	628	71,995	1,303	1,905	34.5	
Angelina	Southeast	5.5	2,337	424	13,109	2,380	283	51.4	
Bowie	Northeast	21.3	6,858	321	34,905	1,636	721	33.8	
Camp	Northeast	-	-	-	-	-	-	-	
Cass	Northeast	3.2	2,450	774	5,198	1,643	143	45.3	
Chambers	Southeast	-	-	-	-	-	-	-	
Cherokee	Northeast	19.9	11,757	591	18,215	915	545	27.4	
Franklin	Northeast	-	-	-	-	-	-	-	
Gregg	Northeast	17.2	2,602	151	24,853	1,445	576	33.5	
Grimes	Southeast	10.1	4,515	446	10,346	1,022	293	28.9	
Hardin	Southeast	-	-	-	-	-	-	-	
Harris	Southeast	10.6	8,147	765	14,432	1,355	398	37.4	
Harrison	Northeast	18.7	18,694	1,000	24,357	1,302	599	32.0	
Henderson	Northeast	12.2	3,054	251	8,761	719	232	19.0	
Houston	Southeast	32.1	11,994	373	29,958	932	783	24.4	
Jasper	Southeast	5.7	517	91	16,480	2,889	374	65.6	
Jefferson	Southeast	1.6	274	169	3,634	2,237	83	51.4	
Leon	Southeast	35.7	11,452	321	44,104	1,237	1,187	33.3	
Liberty	Southeast	42.9	30,847	718	61,183	1,425	1,750	40.7	
Madison	Southeast	6.0	2,473	411	7,389	1,229	187	31.1	
Marion	Northeast	6.1	4,097	672	10,237	1,680	255	41.9	
Montgomery	Southeast	9.5	5,561	588	16,198	1,711	417	44.0	
Morris	Northeast	5.8	5,227	904	14,460	2,501	360	62.3	
Nacogdoches	Northeast	9.2	8,351	906	3,336	362	155	16.8	
Newton	Southeast	-	-	-	-	-	-	-	
Orange	Southeast	-	-	-	-	-	-	-	
Panola	Northeast	25.9	9,602	371	14,520	561	456	17.6	
Polk	Southeast	6.0	795	132	15,980	2,661	365	60.8	
Red River	Northeast	75.8	49,931	659	64,341	849	2,012	26.5	
Rusk	Northeast	-	-	-	-	-	-	-	
Sabine	Southeast	-	-	-	-	-	-	-	
San Augustine	Southeast	5.5	7,002	1,273	812	148	41	7.5	
San Jacinto	Southeast	12.0	11,353	949	13,646	1,141	428	35.8	
Shelby	Northeast	12.2	10,654	874	4,180	343	156	12.8	
Smith	Northeast	16.3	2,839	174	16,471	1,010	384	23.5	
Titus	Northeast	13.1	9,635	738	11,713	897	432	33.1	
Trinity	Southeast	-	-	-	-	-	-	-	
Tyler	Southeast	3.9	2,138	546	2,467	630	72	18.4	
Upshur	Northeast	12.4	7,353	591	34,286	2,756	842	67.7	
Van Zandt	Northeast	9.2	3,863	420	1,896	206	57	6.2	
Walker	Southeast	14.6	7,332	503	31,248	2,144	777	53.3	
Waller	Southeast	9.4	3,461	369	3,567	380	108	11.5	
Wood	Northeast	36.0	9,117	253	17,593	488	482	13.4	
Region		Area of timberland (thousand acres)	Number of all live trees		Volume of all live		All live aboveground biomass		
			(thousand trees)	(trees per acre)	(thousand cu ft)	(cu ft per acre)	(thousand tons)	(tons per acre)	
Southeast Region		211.2	110,196	522	284,553	1,347	7,546	35.7	
Northeast Region		369.7	200,781	543	381,315	1,031	10,313	27.9	
East Texas		580.9	310,977	535	665,867	1,146	17,859	30.7	

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, 2011.

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	6.9	1,233	178	6,260	903	131	18.9	
Angelina	Southeast	-	-	-	-	-	-	-	
Bowie	Northeast	1.5	-	-	-	-	-	-	
Camp	Northeast	-	-	-	-	-	-	-	
Cass	Northeast	9.5	-	-	-	-	-	-	
Chambers	Southeast	11.3	9,650	855	1,664	147	89	7.9	
Cherokee	Northeast	8.6	5,704	660	7,012	812	159	18.4	
Franklin	Northeast	8.9	3,297	372	7,407	836	172	19.4	
Gregg	Northeast	1.5	-	-	-	-	-	-	
Grimes	Southeast	11.9	2,382	200	9,322	784	204	17.1	
Hardin	Southeast	26.6	19,974	751	10,262	386	416	15.7	
Harris	Southeast	48.4	24,117	499	15,220	315	497	10.3	
Harrison	Northeast	1.5	-	-	-	-	-	-	
Henderson	Northeast	-	-	-	-	-	-	-	
Houston	Southeast	4.1	714	172	3,984	960	78	18.8	
Jasper	Southeast	10.9	2,964	272	347	32	16	1.4	
Jefferson	Southeast	29.1	14,692	505	14,775	508	518	17.8	
Leon	Southeast	1.3	900	673	-	-	3	2.0	
Liberty	Southeast	52.3	60,074	1,148	15,285	292	678	13.0	
Madison	Southeast	-	-	-	-	-	-	-	
Marion	Northeast	-	-	-	-	-	-	-	
Montgomery	Southeast	2.0	1,277	632	325	161	12	6.0	
Morris	Northeast	-	-	-	-	-	-	-	
Nacogdoches	Northeast	-	-	-	-	-	-	-	
Newton	Southeast	24.7	12,500	505	6,722	272	282	11.4	
Orange	Southeast	27.3	30,823	1,128	9,849	361	463	17.0	
Panola	Northeast	10.7	73	7	1,822	171	39	3.6	
Polk	Southeast	12.9	1,919	149	3,815	296	111	8.6	
Red River	Northeast	6.1	9,183	1,505	43	7	53	8.7	
Rusk	Northeast	9.1	-	-	-	-	-	-	
Sabine	Southeast	-	-	-	-	-	-	-	
San Augustine	Southeast	-	-	-	-	-	-	-	
San Jacinto	Southeast	0.8	-	-	-	-	-	-	
Shelby	Northeast	7.6	4,705	618	3,332	438	124	16.3	
Smith	Northeast	8.6	1,264	146	6,876	797	155	18.0	
Titus	Northeast	-	-	-	-	-	-	-	
Trinity	Southeast	8.4	366	44	1,547	185	39	4.7	
Tyler	Southeast	1.5	486	324	563	375	23	15.4	
Upshur	Northeast	-	-	-	-	-	-	-	
Van Zandt	Northeast	-	-	-	-	-	-	-	
Walker	Southeast	7.5	1,298	174	4,030	540	90	12.1	
Waller	Southeast	20.7	6,508	315	2,873	139	100	4.8	
Wood	Northeast	-	-	-	-	-	-	-	
Region		Area of timberland (thousand acres)	Number of all live trees (thousand trees) (trees per acre)		Volume of all live (thousand cu ft) (cu ft per acre)		All live aboveground biomass (thousand tons) (tons per acre)		
Southeast Region		301.7	190,644	632	100,582	333	3,619	12.0	
Northeast Region		80.7	25,458	316	32,752	406	832	10.3	
East Texas		382.3	216,102	565	133,335	349	4,451	11.6	

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.