



FOREST RESOURCE REPORT 2016

ALABAMA FORESTRY COMMISSION

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FOREST RESOURCE REPORT 2016

By

Alabama Forestry Commission (AFC)

This report contains several economic status indicators of the forest resources and forest industry in Alabama for 2016. Included in this report are the following indicators:

- 2016 Timberland Acreage by Forest Type and AFC Region
- 2016 Timberland Acreage by Forest Stand Size and AFC Region
- 2016 Timber Volume by Species and AFC Region
- 2016 Average Annual Net Timber Growth by Major Species Group and AFC Region
- 2016 Average Annual Timber Harvest Removals by Major Species Groups and AFC Regions
- 2016 Timber Harvests Volume by County
- 2016 Timber Price Trends
- 2014 Timber and other Agricultural Commodities Rankings (*latest statistics available*)
- 2013 Forest Industry Statistics (*latest statistics available*)
- 2016 Forest Products Investments in New and Expanding Businesses

ALABAMA'S FOREST RESOURCE

Timberland Acreage

- Alabama timberland covers 23.0 million acres, the third largest commercial forestland in the nation.
- Approximately 94% of Alabama's timberland is privately-owned and 6% of timberland is publicly-owned. Forest Industries (companies that own a wood-processing plant) own approximately 6% of Alabama's timberland while 88% is owned by the non-industrial private sector.
- Alabama Forests are comprised of 44% softwood stands (mostly pine), 43% hardwood stands and 13% mixed hardwood/pine stands.

TIMBERLAND ACRES BY FOREST TYPE – NORTH REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
		<i>Acres</i>		
Colbert	220,774	36,138	18,590	166,047
DeKalb	178,960	47,909	24,366	106,686
Franklin	296,225	102,257	29,130	164,838
Jackson	441,963	30,918	21,120	389,925
Lauderdale	179,416	31,172	3,896	144,348
Lawrence	209,918	52,123	28,794	129,001
Limestone	95,184	2,437	2,960	89,787
Madison	193,425	33,168	23,499	136,758
Marion	368,428	189,596	39,648	139,184
Marshall	146,999	31,504	16,594	98,901
Morgan	189,854	24,503	22,130	143,222
Winston	313,624	110,051	54,256	149,316
Total	2,834,769	691,776	284,983	1,858,013

TIMBERLAND ACRES BY FOREST TYPE – NORTHWEST REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
		<i>Acres</i>		
Bibb	322,966	138,752	70,239	113,975
Dallas	434,647	167,604	56,474	210,569
Fayette	340,330	159,005	52,355	128,969
Greene	330,559	140,862	29,889	159,808
Hale	283,383	137,422	20,232	125,729
Lamar	336,836	137,496	41,494	157,845
Perry	349,858	186,188	51,132	112,539
Pickens	479,215	226,977	57,842	194,396
Sumter	447,892	210,717	41,623	195,552
Tuscaloosa	694,300	273,259	117,772	303,269
Walker	393,063	165,720	57,150	170,194
Total	4,413,049	1,944,002	596,202	1,872,845

TIMBERLAND ACRES BY FOREST TYPE – NORTHEAST REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
		<i>Acres</i>		
Blount	234,010	107,221	27,493	99,296
Calhoun	194,824	63,988	42,734	88,102
Cherokee	251,500	96,624	47,047	107,829
Clay	304,143	96,226	62,893	145,023
Cleburne	252,859	105,296	43,551	104,011
Cullman	240,794	68,591	36,856	135,348
Etowah	184,504	54,904	48,534	81,066
Jefferson	390,292	178,433	66,364	145,497
Randolph	282,023	118,826	35,230	127,967
St. Clair	305,830	97,098	66,368	142,364
Shelby	348,447	175,234	41,723	131,491
Talladega	297,965	136,157	40,890	120,917
Total	3,287,190	1,298,598	559,683	1,428,911

TIMBERLAND ACRES BY FOREST TYPE – EAST CENTRAL REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
		<i>Acres</i>		
Autauga	308,496	169,584	13,174	125,737
Chambers	309,048	188,852	17,662	102,533
Chilton	318,149	108,993	54,779	154,377
Coosa	379,957	205,557	39,310	135,090
Elmore	249,658	117,157	39,821	92,680
Lee	250,560	134,903	48,842	66,816
Lowndes	313,502	148,030	45,095	120,376
Macon	330,580	139,731	48,685	142,164
Montgomery	251,680	60,349	40,616	150,715
Russell	304,650	141,807	36,031	126,813
Tallapoosa	393,294	195,778	56,215	141,302
Total	3,409,573	1,610,741	440,230	1,358,603

TIMBERLAND ACRES BY FOREST TYPE – SOUTHWEST REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
		<i>Acres</i>		
Baldwin	727,925	397,249	110,105	220,573
Choctaw	529,939	275,189	78,131	176,620
Clarke	741,252	403,588	112,809	224,856
Conecuh	451,549	241,985	44,830	164,734
Escambia	470,472	300,314	59,489	110,669
Marengo	475,391	208,966	51,716	214,708
Mobile	493,010	231,593	46,005	215,412
Monroe	572,542	297,446	82,524	192,573
Washington	623,787	332,352	96,903	194,532
Wilcox	504,787	262,493	78,178	164,116
Total	5,590,654	2,951,175	760,690	1,878,793

TIMBERLAND ACRES BY FOREST TYPE – SOUTHEAST REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
		<i>Acres</i>		
Barbour	432,680	216,628	45,114	170,937
Bullock	327,208	155,565	48,261	123,381
Butler	412,198	250,913	27,810	133,476
Coffee	239,428	91,692	30,024	117,712
Covington	504,415	282,213	79,829	142,373
Crenshaw	317,482	141,469	45,681	130,332
Dale	260,126	99,730	39,421	120,975
Geneva	217,454	92,696	19,733	104,752
Henry	267,162	143,542	20,870	102,749
Houston	183,231	52,957	41,183	89,091
Pike	311,446	135,113	29,721	146,613
Total	3,472,828	1,662,791	427,647	1,382,391

NOTES: Statistics come from 2016 Forest Inventory and Analysis (FIA) data.

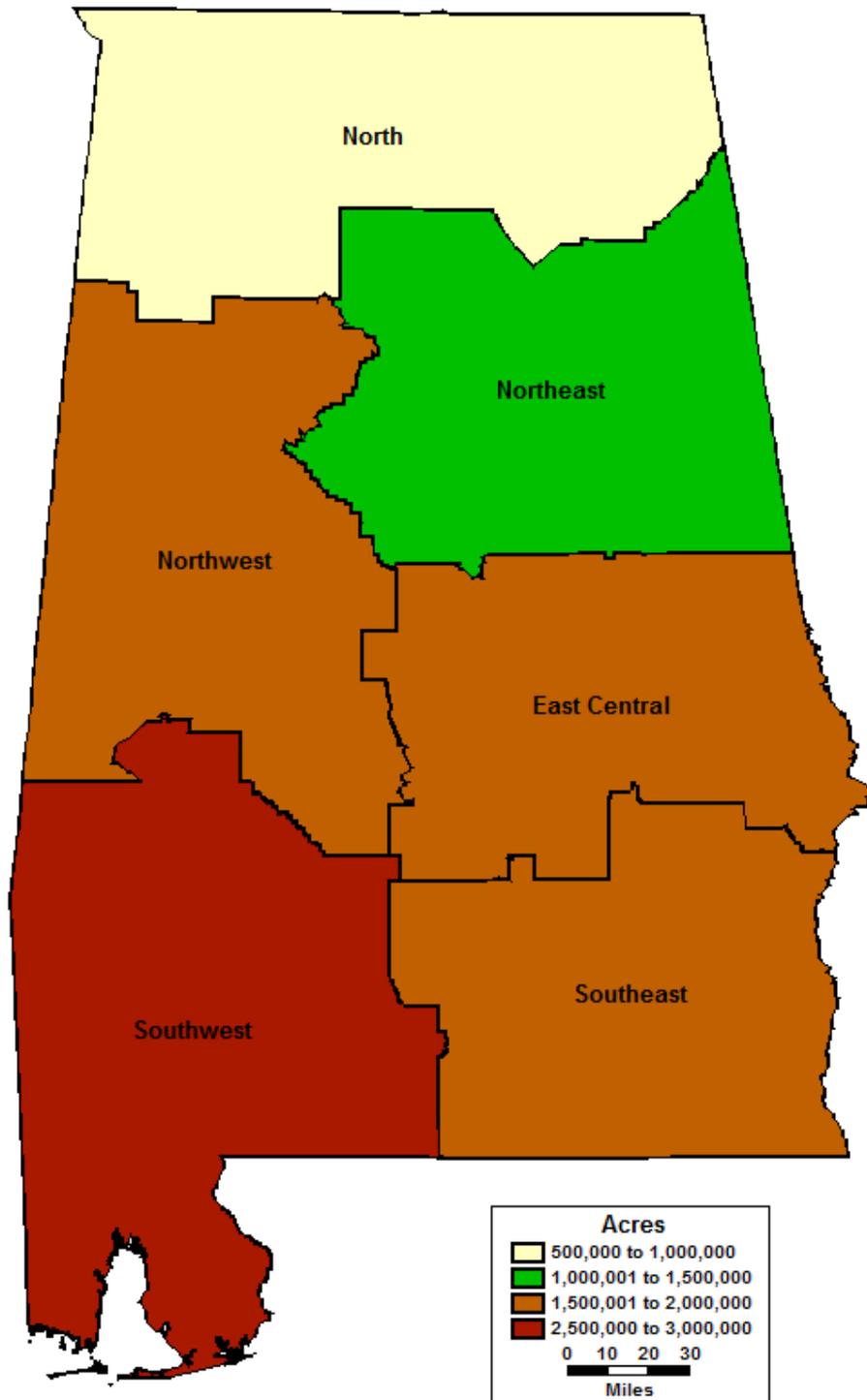
A very small portion of timberland acreage is classified as “non-stocked” by FIA guidelines. The “non-stocked” acres have been included in the “hardwood/pine” category.

A tract of timberland is classified as “non-stocked” if at the time the FIA plot was inventoried there was <10% stocking of trees. This situation occurs on sites that have recently been clearcut.

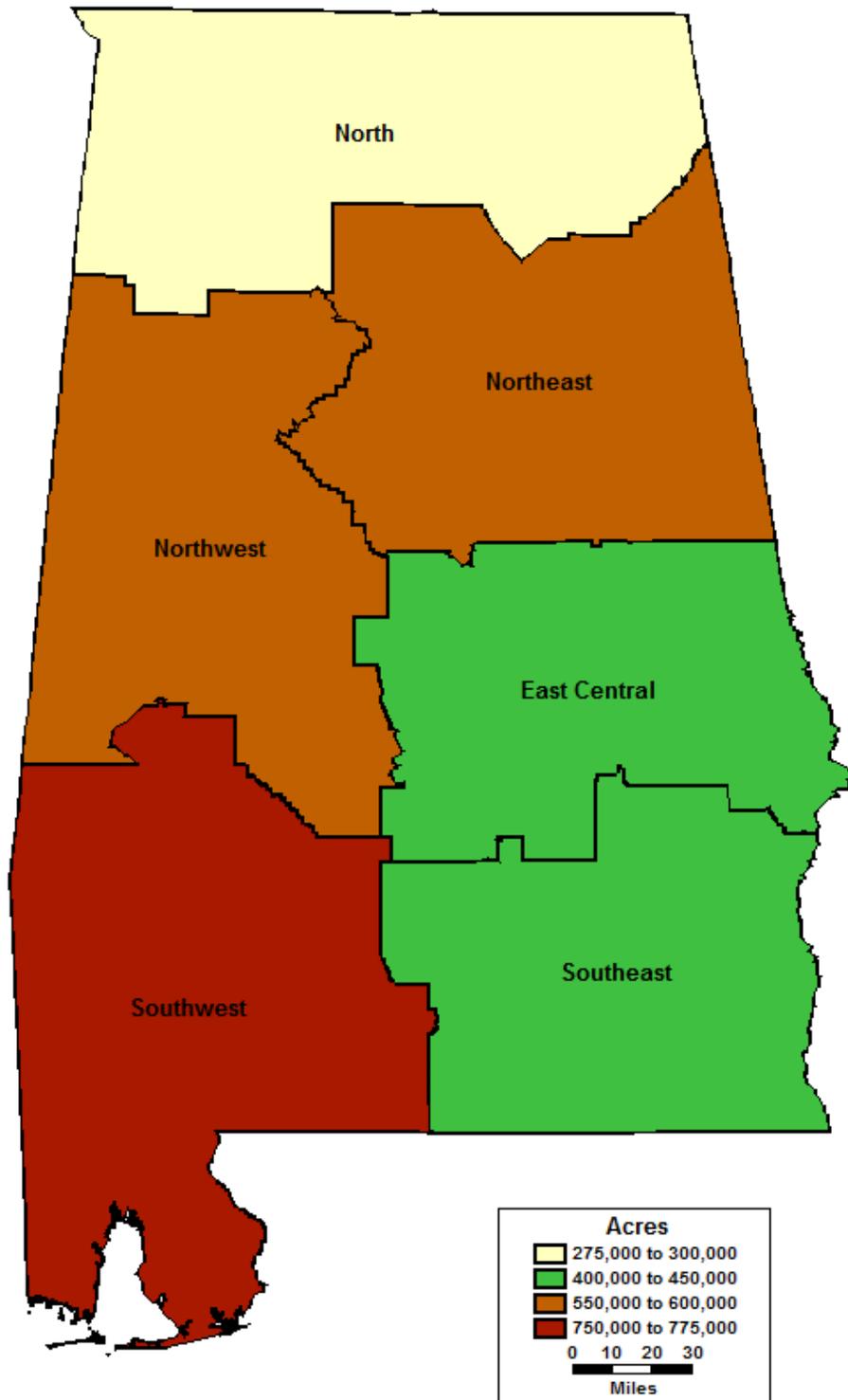
Numbers in rows and columns may not sum due to rounding.

***Note: FIA data is statistically valid at the State and Regional level. Individual county statistics are provided so that any combination of counties can be added together until the totals are large enough to meet the desired degree of reliability.**

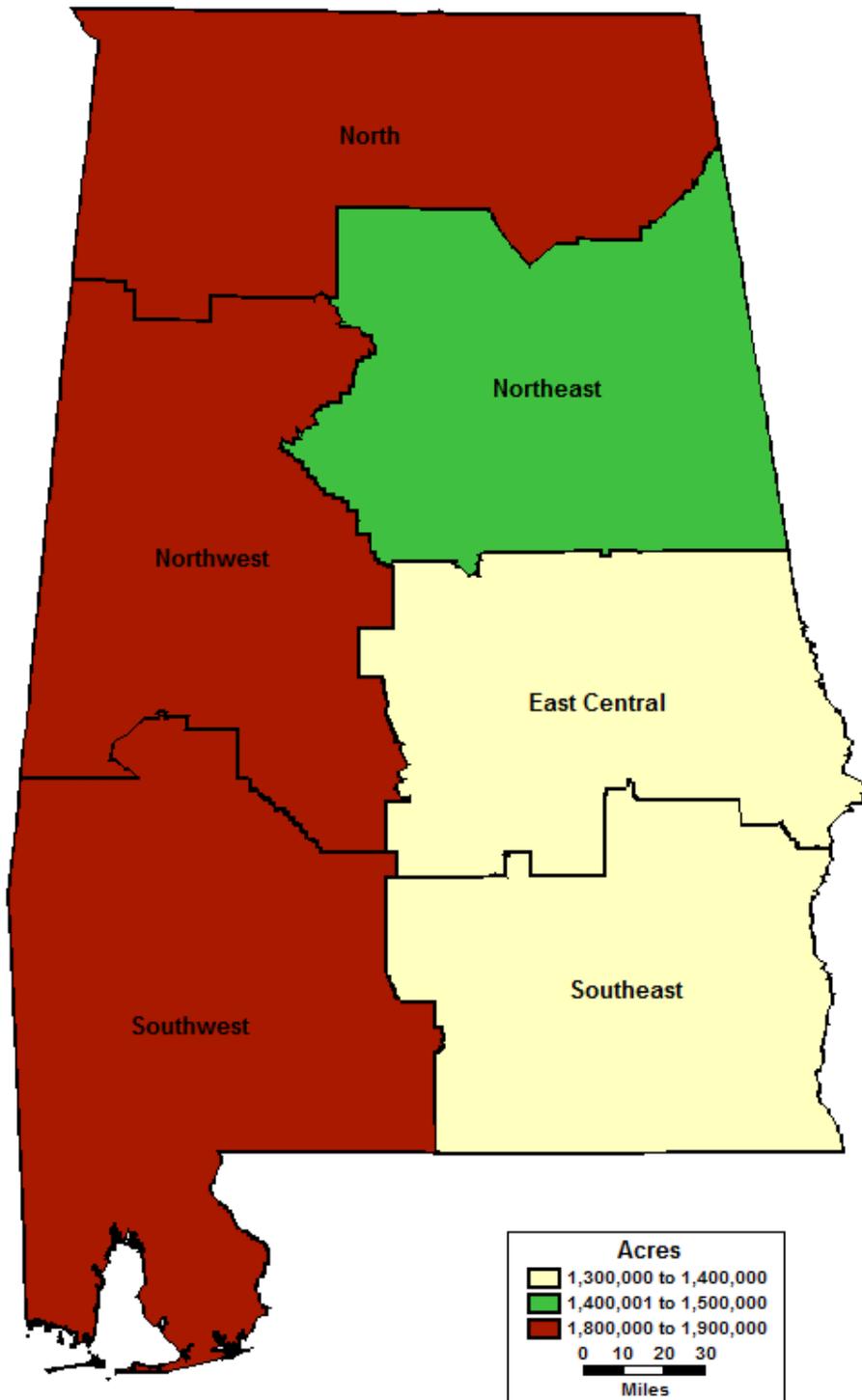
Timberland Acres by Region and Forest Type Group - **SOFTWOODS**



Timberland Acres by Region and Forest Type Group - HDWD/PINE MIX



Timberland Acres by Region and Forest Type Group - HARDWOODS



- Sawtimber-sized stands comprise 49% of Alabama’s timberland, an increase of 1% over last year’s survey period, while 28% of forest stands are comprised of mostly pulpwood-sized timber. Seedling/sapling-sized stands account for the remaining 23% of timberland acreage, a decrease of 1% over last year’s survey period.

TIMBERLAND ACRES BY FOREST STAND SIZE – NORTH REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
		<i>Acres</i>		
Colbert	220,774	103,059	80,058	37,657
DeKalb	178,960	111,876	48,322	18,762
Franklin	296,225	123,150	122,659	50,416
Jackson	441,963	308,435	95,038	38,490
Lauderdale	179,416	97,998	60,701	144,348
Lawrence	209,918	111,699	68,364	29,855
Limestone	95,184	54,248	20,191	20,745
Madison	193,425	153,148	26,004	14,272
Marion	368,428	126,626	133,332	108,471
Marshall	146,999	94,400	27,346	25,253
Morgan	189,854	130,077	30,061	29,716
Winston	313,624	145,776	87,006	80,842
Total	2,834,769	1,560,491	799,082	475,196

TIMBERLAND ACRES BY FOREST STAND SIZE – NORTHWEST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
		<i>Acres</i>		
Bibb	322,966	167,229	71,562	84,174
Dallas	434,647	192,578	121,839	120,230
Fayette	340,330	109,593	148,304	82,433
Greene	330,559	177,907	68,286	84,367
Hale	283,383	155,776	55,062	72,546
Lamar	336,836	140,173	113,558	70,714
Perry	349,858	190,540	66,718	92,600
Pickens	479,215	193,164	137,421	148,630
Sumter	447,892	219,689	98,709	129,494
Tuscaloosa	694,300	340,958	182,115	171,227
Walker	393,063	209,313	105,260	78,491
Total	4,413,049	2,096,920	1,168,832	1,134,906

TIMBERLAND ACRES BY FOREST STAND SIZE – NORTHEAST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
		<i>Acres</i>		
Blount	234,010	114,022	61,131	58,857
Calhoun	194,824	113,239	48,358	33,227
Cherokee	251,500	128,386	72,719	50,396
Clay	304,143	168,019	92,107	44,017
Cleburne	252,859	164,335	49,234	39,290
Cullman	240,794	103,017	80,896	56,881
Etowah	184,504	118,319	35,953	30,232
Jefferson	390,292	212,075	112,256	65,961
Randolph	282,023	144,193	66,087	83,104
St. Clair	305,830	178,403	80,341	47,086
Shelby	348,447	173,927	110,318	64,203
Talladega	297,965	151,478	81,842	64,645
Total	3,287,190	1,769,413	891,241	637,899

TIMBERLAND ACRES BY FOREST STAND SIZE – EAST CENTRAL REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
		<i>Acres</i>		
Autauga	308,496	120,219	106,949	81,329
Chambers	309,048	131,145	97,183	80,719
Chilton	318,149	138,286	114,766	65,098
Coosa	379,957	168,704	143,867	67,386
Elmore	249,658	147,116	70,240	32,302
Lee	250,560	142,439	61,554	46,568
Lowndes	313,502	185,372	78,861	49,269
Macon	330,580	202,107	49,923	78,550
Montgomery	251,680	163,206	36,375	52,099
Russell	304,650	140,257	85,079	79,313
Tallapoosa	393,294	180,240	146,529	66,526
Total	3,409,573	1,719,091	991,326	699,159

TIMBERLAND ACRES BY FOREST STAND SIZE – SOUTHWEST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
		<i>Acres</i>		
Baldwin	727,925	329,538	252,756	145,631
Choctaw	529,939	248,313	117,832	163,793
Clarke	741,252	378,028	187,004	176,221
Conecuh	451,549	175,582	136,367	139,600
Escambia	470,472	123,525	128,390	218,557
Marengo	475,391	196,048	127,489	151,854
Mobile	493,010	221,403	104,544	167,062
Monroe	572,542	255,826	150,937	165,779
Washington	623,787	292,248	186,756	144,783
Wilcox	504,787	253,200	142,162	109,424
Total	5,590,654	2,473,712	1,534,236	1,582,704

TIMBERLAND ACRES BY FOREST STAND SIZE – SOUTHEAST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
		<i>Acres</i>		
Barbour	432,680	208,955	93,055	130,669
Bullock	327,208	177,265	77,057	72,885
Butler	412,198	195,192	122,098	94,909
Coffee	239,428	91,650	85,014	62,764
Covington	504,415	220,890	159,671	123,853
Crenshaw	317,482	177,481	61,820	78,181
Dale	260,126	133,207	75,973	50,946
Geneva	217,454	96,740	80,549	40,165
Henry	267,162	97,364	102,301	67,497
Houston	183,231	89,663	66,739	26,828
Pike	311,446	157,976	78,295	75,176
Total	3,472,828	1,646,383	1,002,571	823,873

NOTES: Statistics come from 2016 Forest Inventory & Analysis (FIA) data.

“Sawtimber” refers to stands in which the majority of the crown cover consists of trees 9.0” DBH and greater for softwood forest types and 11.0” DBH and greater for hardwood forest types. **See the exception listed below in the “Seedling/Sapling” definition**

“Pulpwood” refers to stands in which the majority of the crown cover consists of trees between 5.0” and 8.9” DBH for softwood forest types and between 5.0” and 10.9” DBH for hardwood forest types. **See the exception listed below in the “Seedling/Sapling” definition**

“Seedling/Sapling” refers to stands in which 2/3 of the crown cover consists of trees less than 5.0” DBH.

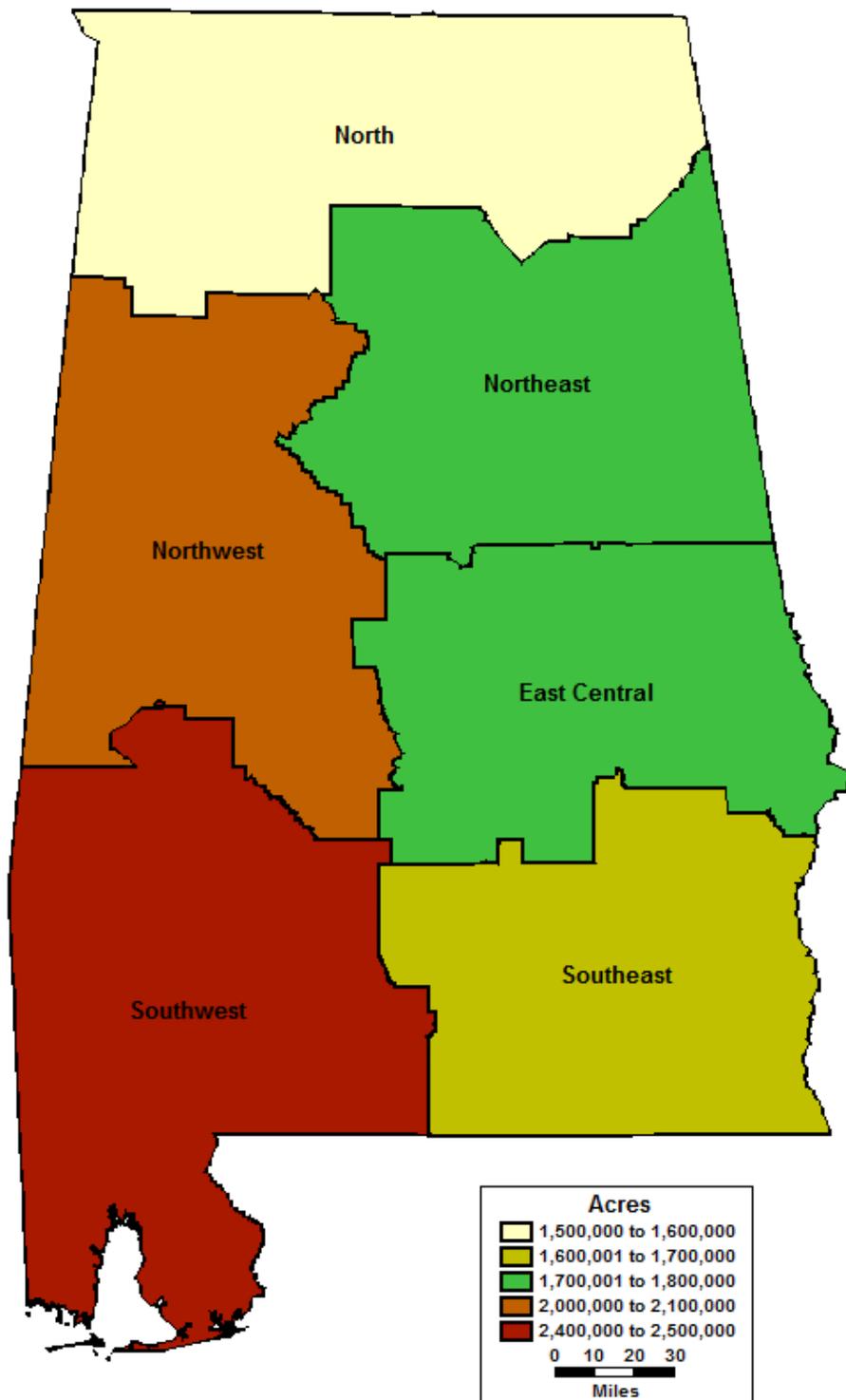
****NOTE:** In a stand where seedlings/saplings make up over 50% of the crown cover **but less than 67%**, stand size is determined by the predominance of either pulpwood-sized trees or sawtimber-sized trees. **EXAMPLE:** In a two-storied pine shelterwood stand comprised of sawtimber and pulpwood-sized trees in the upper story (90% sawtimber-sized and 10% pulpwood-sized) and seedlings and saplings in the lower story, in which the lower story comprises 60% of the crown cover and the upper story comprises 40% of the crown cover, the stand size would be considered “sawtimber”.

A very small portion of timberland acreage is classified as “non-stocked” by FIA guidelines. The “non-stocked” acres have been included in the “seedling/sapling” category.

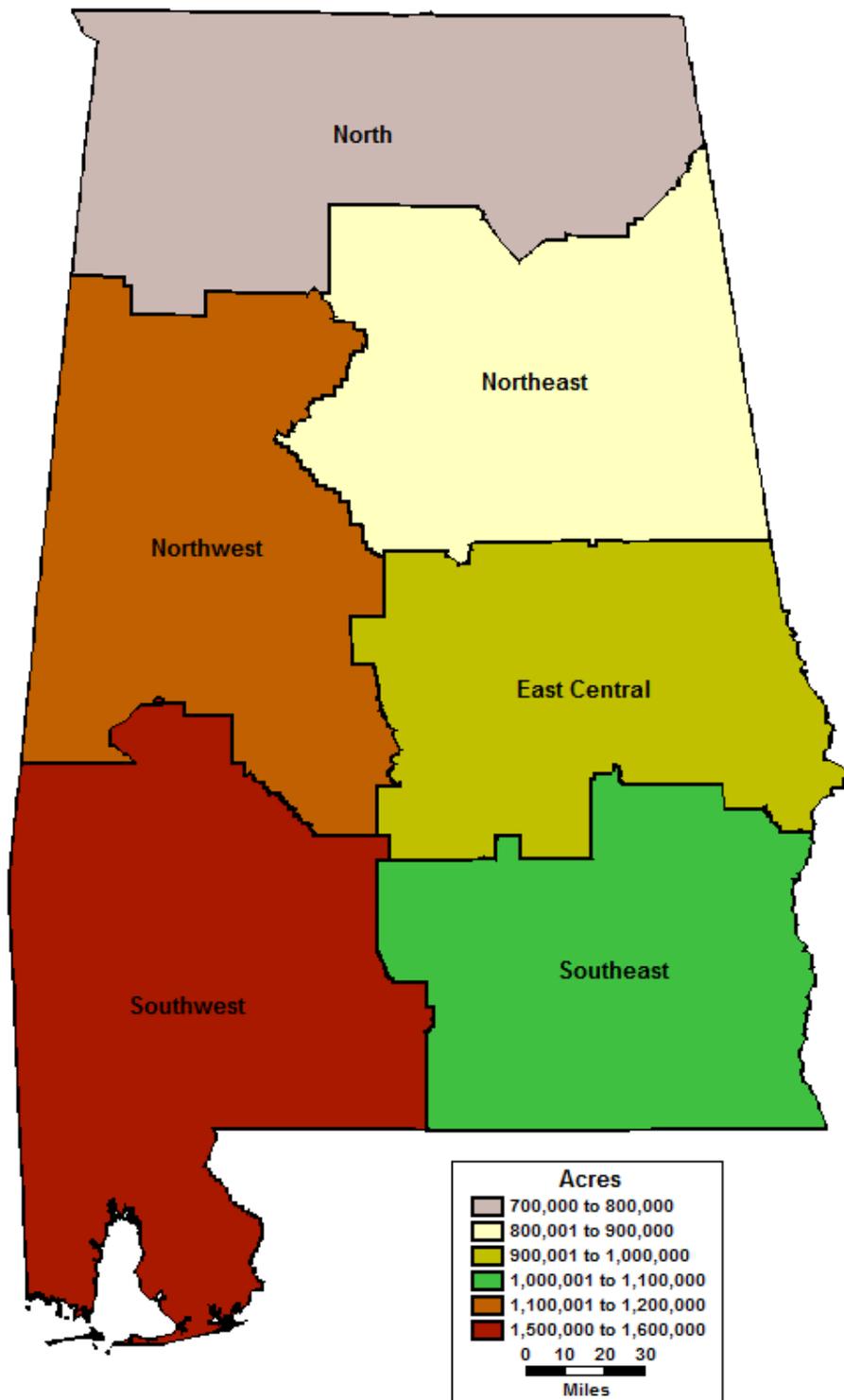
A tract of timberland is classified as “non-stocked” if at the time the FIA plot was inventoried there was <10% stocking of trees. This situation occurs on sites that have recently been clearcut.

Numbers in rows and columns may not sum due to rounding.

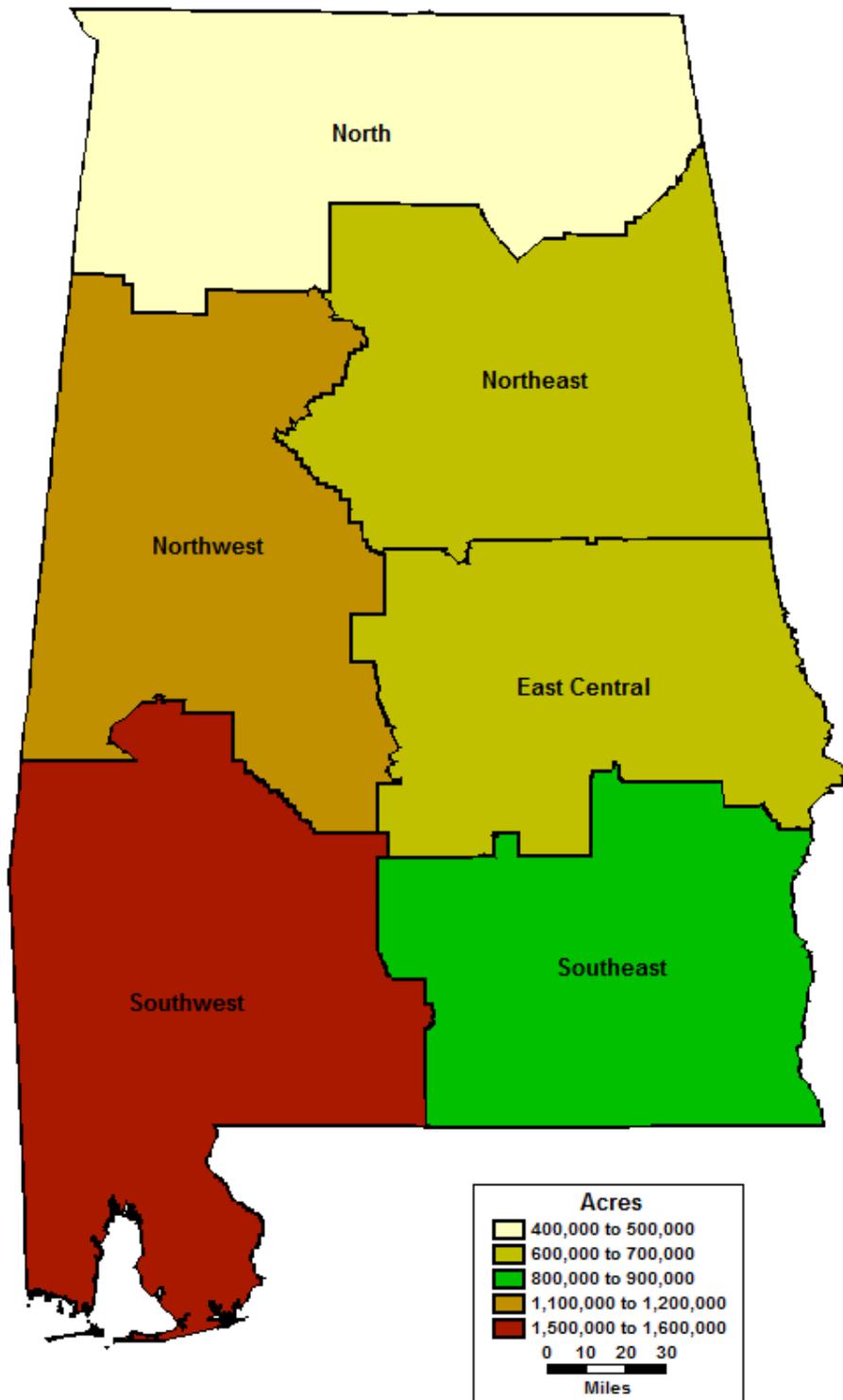
Timberland Acres by Region and Stand Size - SAWTIMBER



Timberland Acres by Region and Stand Size - PULPWOOD



Timberland Acres by Region and Stand Size - SEEDLING/SAPLING



Timber Volume

- There are 627.2 million tons of softwood growing stock volume and 586.6 million tons of hardwood growing stock volume in Alabama. This equals 1.2138 billion tons combined.
- **Alabama leads the nation in loblolly pine growing stock volume with 504.7 million tons.**
- Since 2000 total growing stock volume has increased 22.9%; softwood volume has increased 40.5% and hardwood volume has increased by 7.3%.
- There are approximately 992.3 million dry tons of live tree and sapling “biomass” found on timberland. Biomass is defined as the weight of solid wood and bark in live trees 1.0 inch DBH and larger from the ground to the tip of the tree. The weights of wood and bark in lateral limbs, secondary limbs, and twigs under 0.5 inches in diameter at the point of occurrence are included on saplings, but excluded on pulpwood and sawtimber-sized trees.
- The Southwest Region has more timber volume than any other region, and 16.5% more than the region that has the second highest volume amount (Northwest).
- The volume of softwood timber in the Southwest Region is considerably greater than any other single region; 46.4% more than the Northwest Region, which ranks second.
- The North Region has the most hardwood volume; 10.9% more than the Northwest Region, which ranks second.

NOTES: The following charts provide growing stock volume for prominent species (not all species) found in Alabama. “Growing stock” refers to high-quality trees capable of producing lumber, veneer, poles, or ties/timbers (currently or in the future) based on FIA specifications. “**Red Oak**” includes all species listed in the red oak group and “**White Oak**” includes all species listed in the white oak group.

GROWING STOCK VOLUME BY SPECIES – NORTH REGION

County	Loblolly Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>					
Colbert	2,510,982	1,283,383	3,250,058	1,392,672	718,320
DeKalb	1,347,988	2,051,334	2,395,678	678,718	1,140,164
Franklin	6,372,905	1,650,008	2,693,496	859,415	1,814,458
Jackson	749,650	5,002,426	8,470,360	1,404,656	3,394,837
Lauderdale	956,602	1,969,441	2,017,421	1,212,001	637,673
Lawrence	3,307,262	1,808,432	3,244,734	785,360	339,017
Limestone	473,413	1,403,584	671,091	613,818	1,036,096
Madison	2,719,923	3,153,797	2,115,316	2,247,032	1,118,695
Marion	9,687,167	1,054,137	1,996,525	891,670	946,895
Marshall	1,590,338	1,678,908	2,047,785	775,270	835,737
Morgan	2,490,981	2,462,667	2,972,579	2,461,109	1,638,884
Winston	5,282,797	1,416,235	3,965,793	871,238	2,003,729
Total	37,490,008	24,934,352	35,840,837	14,192,959	15,624,506

GROWING STOCK VOLUME BY SPECIES – NORTHWEST REGION

County	Loblolly Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>					
Bibb	7,893,784	3,298,854	2,120,922	1,524,135	1,239,894
Dallas	6,468,529	3,338,812	678,934	2,242,254	827,205
Fayette	8,230,999	952,995	1,102,028	1,574,411	2,374,115
Greene	7,353,793	2,460,152	1,496,595	1,913,611	732,758
Hale	5,539,255	2,098,100	927,312	1,558,211	500,018
Lamar	7,418,041	2,046,599	953,745	2,160,877	368,606
Perry	9,684,260	1,916,074	369,761	1,228,607	1,052,347
Pickens	12,353,598	3,185,688	1,863,790	2,383,421	2,249,988
Sumter	10,136,720	3,961,025	1,416,705	1,922,165	673,576
Tuscaloosa	16,910,230	5,004,383	4,187,167	4,128,717	2,027,757
Walker	10,214,704	2,111,496	3,061,916	2,168,193	1,166,535
Total	102,203,913	30,374,178	18,178,875	22,804,602	13,212,799

GROWING STOCK VOLUME BY SPECIES – NORTHEAST REGION

County	Loblolly Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>					
Blount	4,774,028	1,955,095	2,108,353	945,808	673,026
Calhoun	3,693,298	1,724,702	2,059,208	1,664,661	324,801
Cherokee	4,978,465	1,690,324	2,686,069	930,873	36,589
Clay	8,123,250	2,372,448	2,454,282	1,492,672	1,313,280
Cleburne	7,369,706	1,481,103	2,832,793	869,638	1,590,456
Cullman	3,893,304	1,278,090	1,862,250	990,182	2,250,911
Etowah	3,732,442	1,309,991	2,020,187	839,669	1,486,636
Jefferson	11,236,899	2,670,701	2,543,609	2,519,547	2,160,678
Randolph	7,784,751	1,446,218	1,308,982	1,073,290	2,491,127
St. Clair	7,665,610	3,088,839	3,264,232	1,828,134	1,073,661
Shelby	9,059,002	3,077,028	2,548,566	1,240,213	566,410
Talladega	9,059,731	2,018,535	1,154,628	966,752	464,198
Total	81,370,485	24,113,074	26,843,160	15,361,440	14,431,774

GROWING STOCK VOLUME BY SPECIES – EAST CENTRAL REGION

County	Loblolly Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>					
Autauga	7,590,275	1,570,498	606,571	895,369	1,101,275
Chambers	10,841,011	1,408,911	1,056,442	1,441,270	1,344,820
Chilton	6,540,414	1,976,621	1,432,753	1,185,528	1,426,548
Coosa	10,972,623	2,078,227	1,414,903	874,449	1,129,696
Elmore	6,598,636	1,769,570	498,801	1,546,407	1,028,543
Lee	8,920,038	2,153,764	384,359	2,033,184	1,026,305
Lowndes	9,497,365	1,585,916	385,616	1,240,453	57,502
Macon	665,394	3,026,643	1,394,978	1,844,953	968,558
Montgomery	3,975,466	3,202,102	621,904	1,988,749	296,091
Russell	5,279,994	2,819,861	459,371	1,507,375	1,012,913
Tallapoosa	12,128,797	2,371,876	1,281,031	1,905,808	1,895,075
Total	83,010,014	23,963,989	9,536,729	16,463,545	11,287,327

GROWING STOCK VOLUME BY SPECIES – SOUTHWEST REGION

County	Loblolly Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>					
Baldwin	8,087,561	3,217,681	308,496	392,400	1,179,721
Choctaw	17,093,366	2,222,198	1,202,686	4,154,371	956,379
Clarke	18,970,464	4,258,245	888,237	2,996,706	1,159,444
Conecuh	12,409,680	2,061,123	572,686	726,986	1,147,439
Escambia	5,260,881	1,554,728	N/A	365,588	430,882
Marengo	10,522,716	4,330,895	885,494	2,812,737	1,235,132
Mobile	3,334,780	1,870,609	113,190	358,382	339,920
Monroe	14,931,655	2,651,962	1,182,648	3,232,136	484,564
Washington	11,316,793	3,863,209	557,322	1,366,423	1,003,624
Wilcox	12,696,966	3,160,925	918,369	2,757,318	614,700
Total	114,624,862	29,191,575	6,629,126	19,163,047	8,551,805

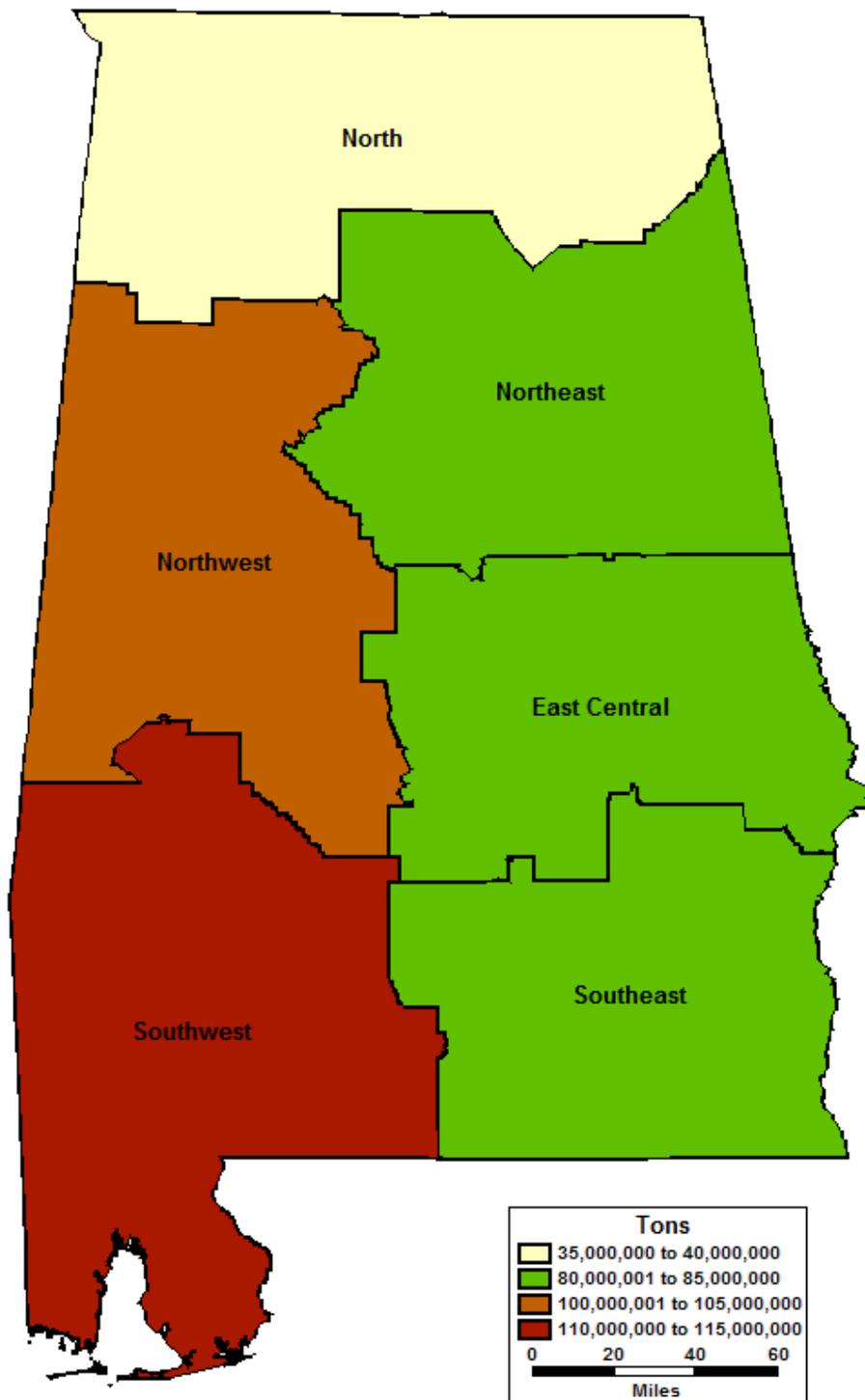
GROWING STOCK VOLUME BY SPECIES – SOUTHEAST REGION

County	Loblolly Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>					
Barbour	10,477,968	2,589,046	1,040,133	1,829,947	564,689
Bullock	7,763,792	2,712,559	203,388	916,424	802,825
Butler	14,126,467	1,709,861	322,254	1,202,573	1,274,020
Coffee	5,423,936	1,854,785	178,442	178,416	587,794
Covington	9,781,419	2,711,397	364,421	658,866	1,256,076
Crenshaw	7,282,697	2,293,926	478,173	958,105	1,483,791
Dale	4,405,864	4,224,256	295,074	1,318,339	1,473,182
Geneva	4,056,214	1,811,496	383,969	374,840	740,250
Henry	5,338,967	1,752,099	112,675	531,191	538,204
Houston	3,166,489	1,830,625	246,889	399,984	897,285
Pike	8,210,283	2,271,375	689,762	856,379	963,155
Total	80,034,096	25,761,426	4,315,182	9,225,065	10,581,271

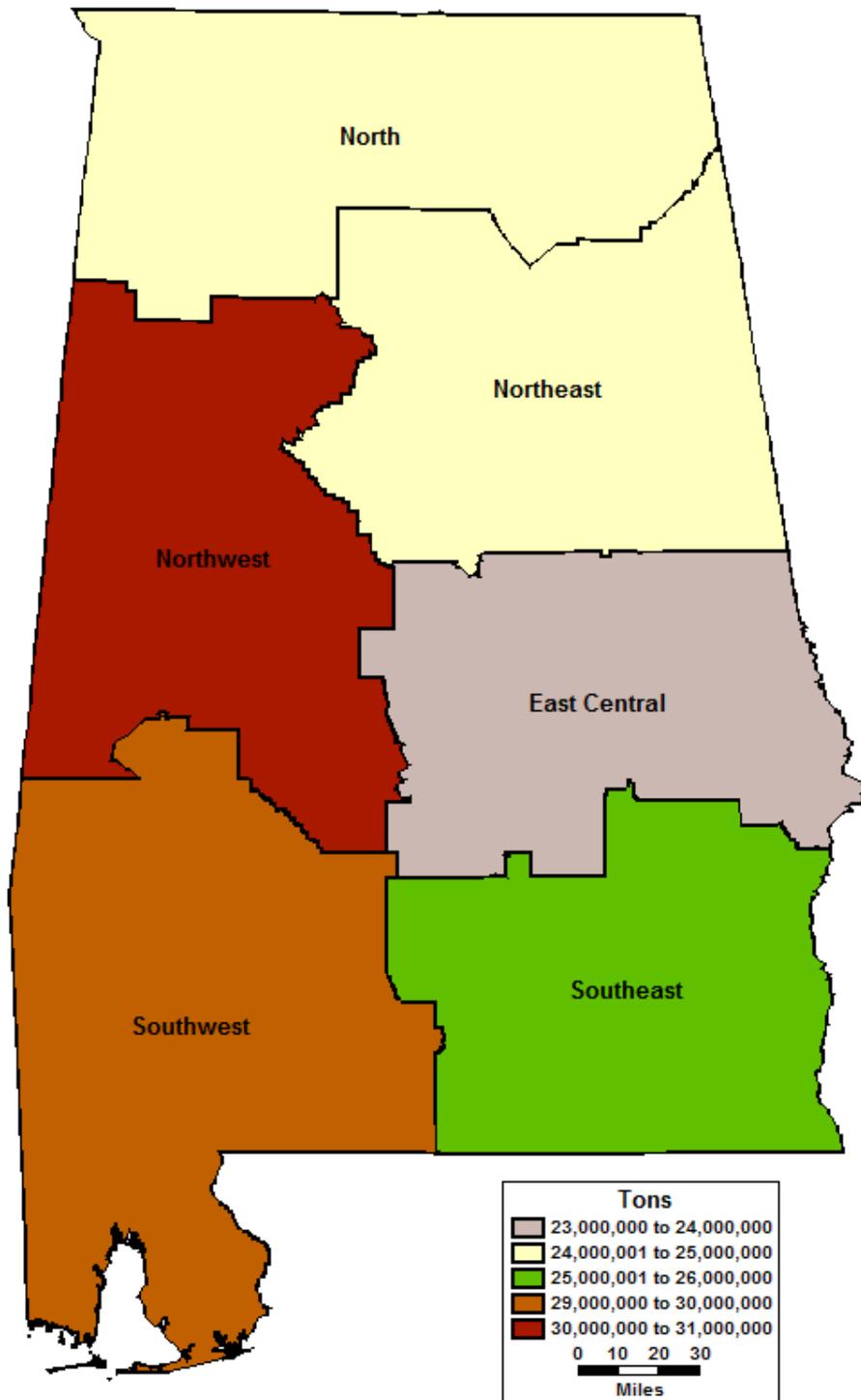
NOTES: Statistics come from 2016 Forest Inventory & Analysis (FIA) data.

Numbers in rows and columns may not sum due to rounding.

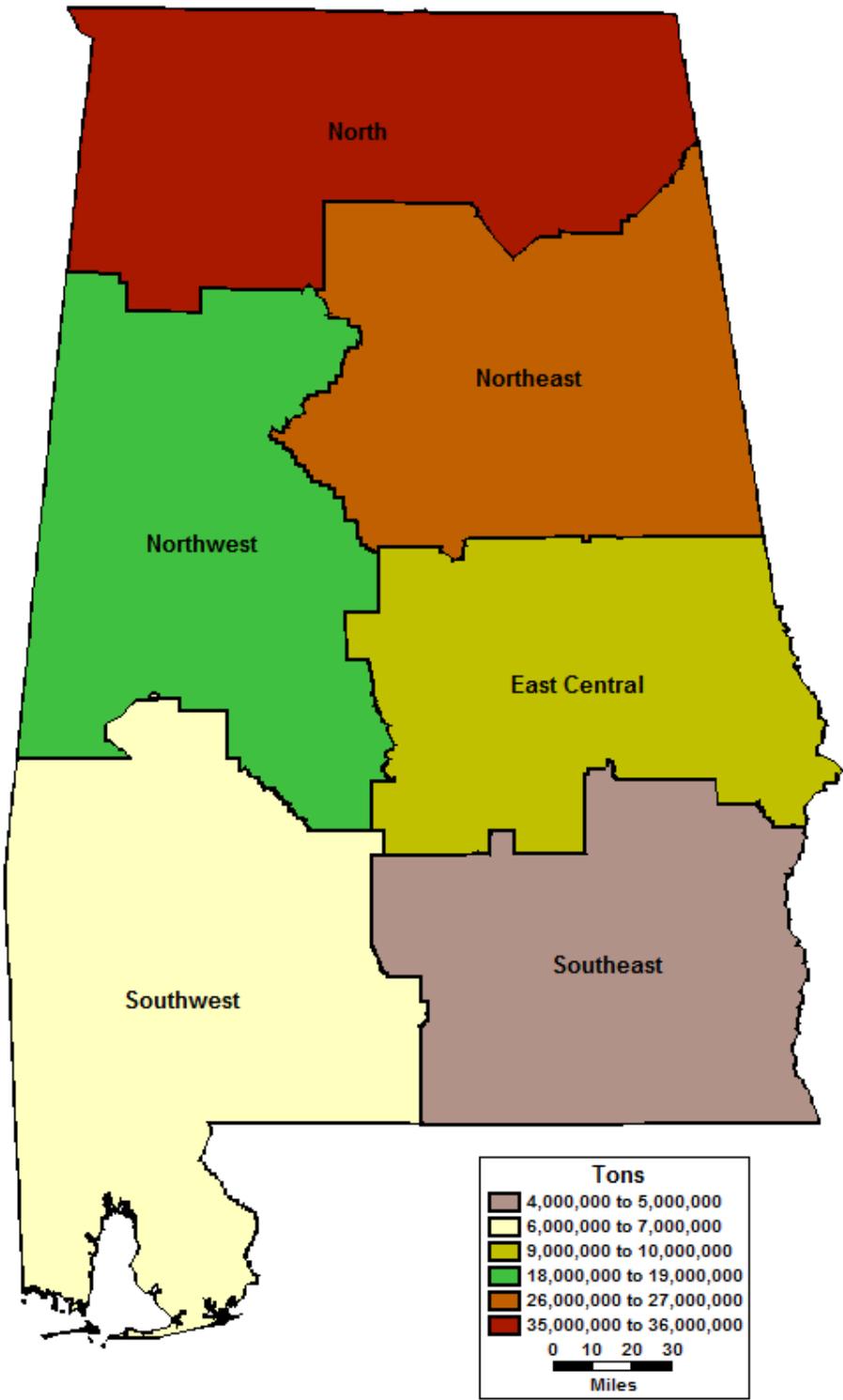
Growing Stock Volume by Region and Species - LOBLOLLY PINE



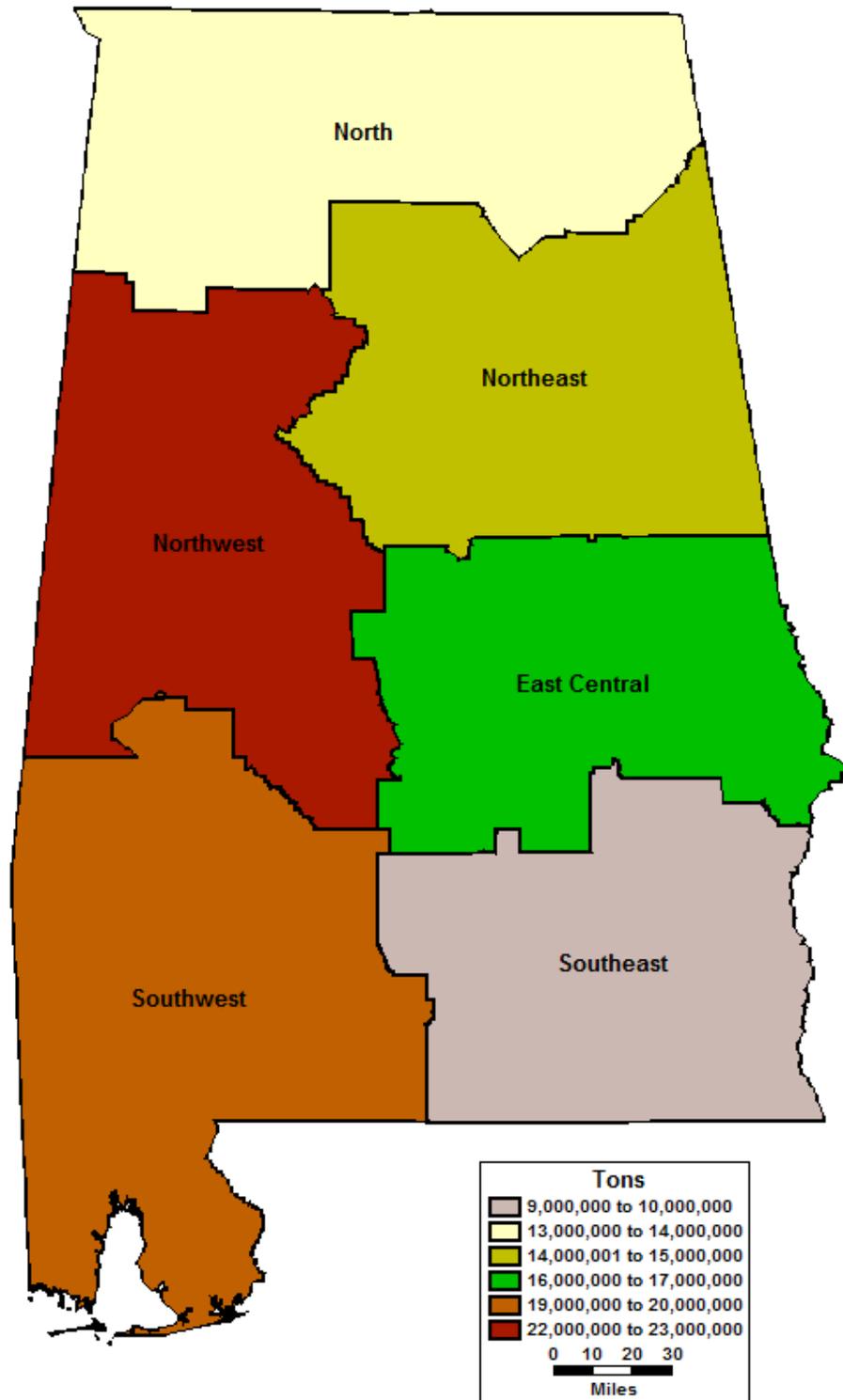
Growing Stock Volume by Region and Species - RED OAK



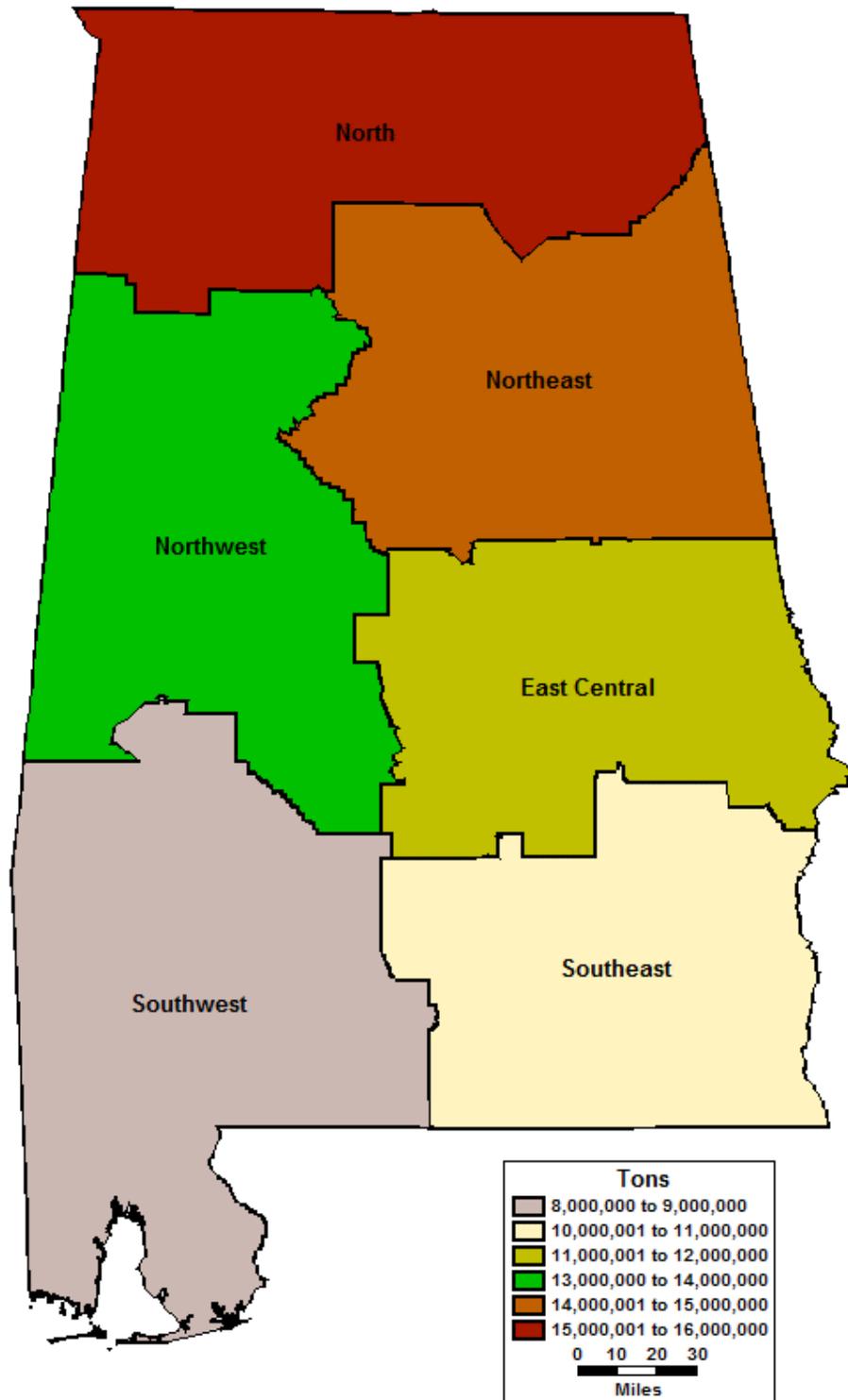
Growing Stock Volume by Region and Species - WHITE OAK



Growing Stock Volume by Region and Species - SWEETGUM



Growing Stock Volume by Region and Species - YELLOW-POPLAR



Timber Average Annual Net Growth (total growth minus mortality)

- Average annual net growth for softwood species is 48.7 million tons and for hardwood species it is 18.3 million tons.
- As is the case for total volume, net growth volume of softwoods is greatest in the Southwest Region and net growth volume of hardwoods is greatest in the North Region.

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK

BY MAJOR SPECIES GROUP

NORTH REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Colbert	593,589	273,563	320,026
DeKalb	426,282	173,904	252,378
Franklin	900,474	651,933	248,541
Jackson	891,780	182,943	708,837
Lauderdale	425,416	142,011	283,405
Lawrence	364,995	160,455	204,541
Limestone	291,552	31,111	260,441
Madison	589,552	193,775	395,777
Marion	1,313,747	1,009,642	304,105
Marshall	312,699	125,859	186,839
Morgan	547,083	149,044	398,040
Winston	794,935	498,152	296,782
Total	7,452,104	3,592,392	3,859,712

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK

BY MAJOR SPECIES GROUP

NORTHWEST REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Bibb	671,812	457,258	214,554
Dallas	1,041,511	742,078	299,433
Fayette	1,155,658	825,517	330,141
Greene	885,035	618,243	266,792
Hale	796,426	604,106	192,320
Lamar	1,252,001	857,444	394,556
Perry	1,140,425	933,516	206,909
Pickens	1,700,547	1,260,256	440,291
Sumter	1,060,491	718,183	342,308
Tuscaloosa	2,060,860	1,435,131	625,729
Walker	1,144,712	893,861	250,851
Total	12,909,479	9,345,594	3,563,885

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK
BY MAJOR SPECIES GROUP
NORTHEAST REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Blount	632,288	467,136	165,151
Calhoun	548,058	396,094	151,964
Cherokee	620,882	515,350	105,532
Clay	1,090,795	754,379	336,416
Cleburne	797,013	549,985	247,028
Cullman	665,432	348,928	316,504
Etowah	598,839	348,209	250,629
Jefferson	1,170,697	903,849	266,847
Randolph	930,978	611,452	319,526
St. Clair	930,333	587,758	342,575
Shelby	1,065,300	801,835	263,465
Talladega	1,166,805	903,616	263,190
Total	10,217,419	7,188,591	3,028,828

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK
BY MAJOR SPECIES GROUP
EAST CENTRAL REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	935,790	736,080	199,709
Chambers	1,227,652	987,285	240,366
Chilton	910,340	619,878	290,462
Coosa	1,235,436	976,530	258,906
Elmore	835,080	618,402	216,678
Lee	974,071	728,689	245,381
Lowndes	1,080,319	842,093	238,225
Macon	803,638	451,925	351,713
Montgomery	607,521	359,145	248,376
Russell	785,754	624,739	161,015
Tallapoosa	1,434,445	1,046,430	388,015
Total	10,830,044	7,991,198	2,838,846

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK
BY MAJOR SPECIES GROUP
SOUTHWEST REGION

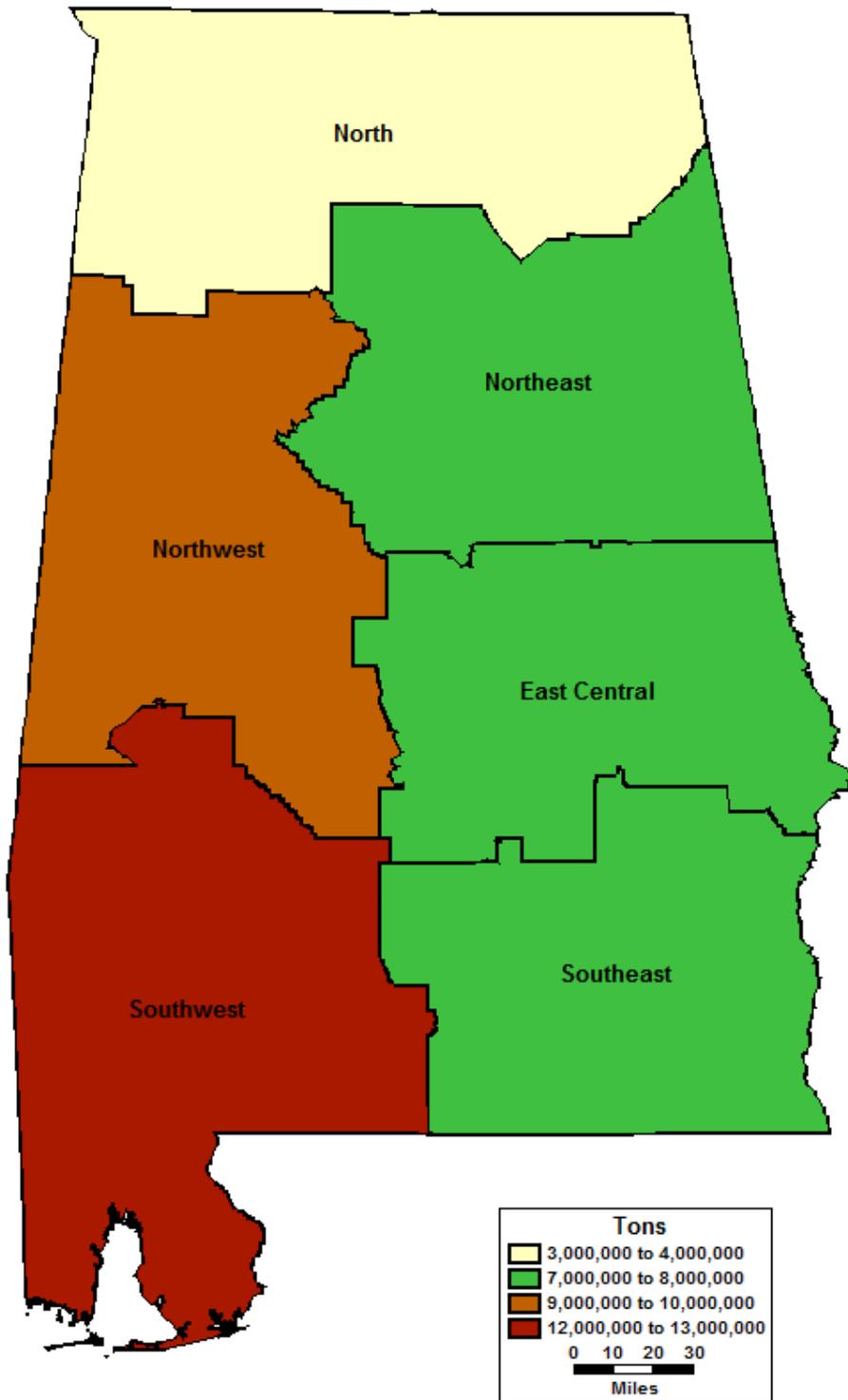
County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Baldwin	1,803,098	1,572,295	230,803
Choctaw	1,719,075	1,371,238	347,837
Clarke	2,183,642	1,757,500	426,143
Conecuh	1,429,532	1,224,236	205,296
Escambia	1,072,789	1,040,982	31,807
Marengo	1,323,866	960,749	363,117
Mobile	934,359	731,825	202,534
Monroe	1,648,449	1,328,342	320,107
Washington	1,865,601	1,580,454	285,147
Wilcox	1,449,099	1,173,756	275,343
Total	15,429,512	12,741,377	2,688,135

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK
BY MAJOR SPECIES GROUP
SOUTHEAST REGION

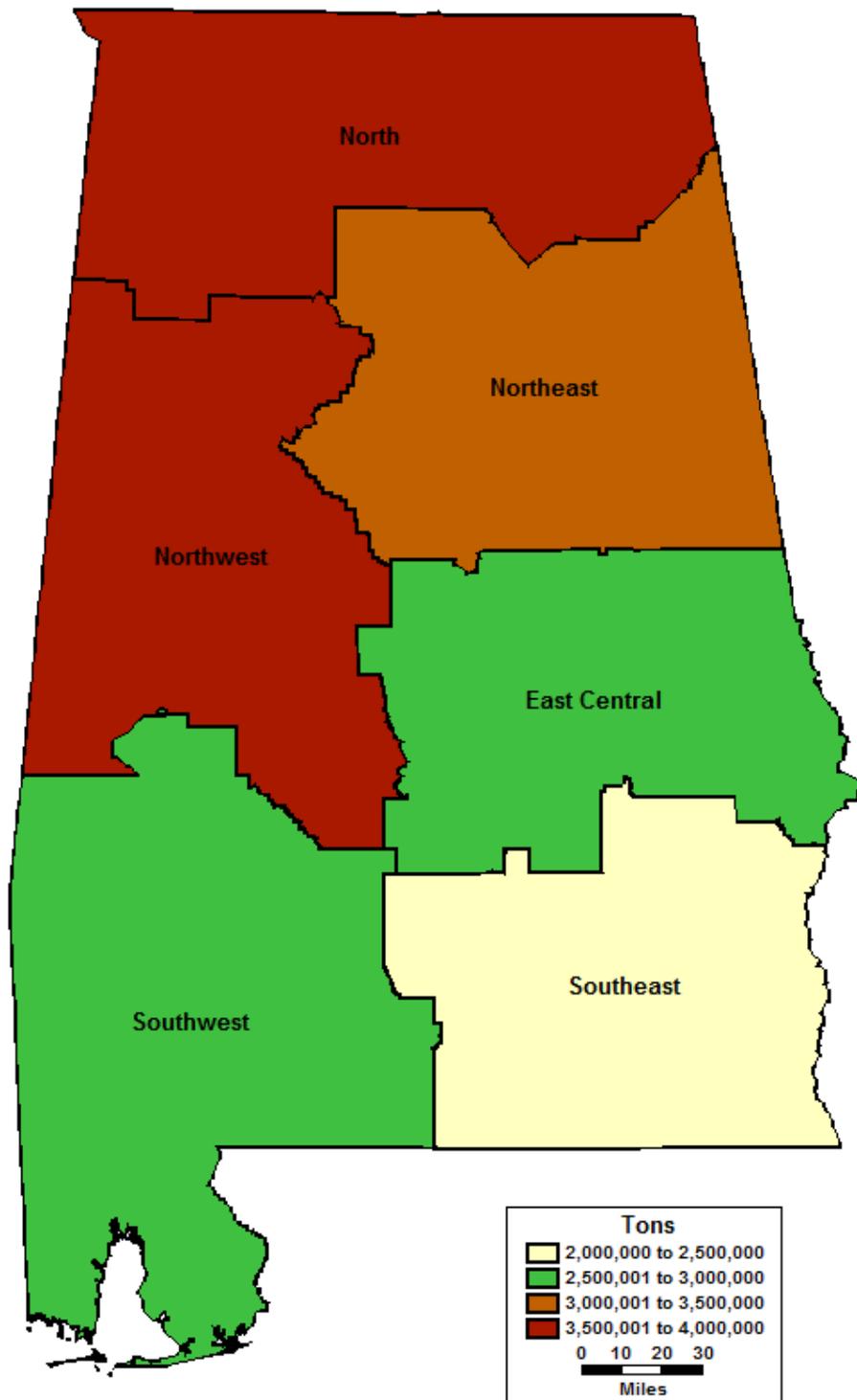
County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Barbour	1,467,409	1,157,101	310,307
Bullock	965,279	702,168	263,111
Butler	1,791,125	1,485,286	305,839
Coffee	717,978	522,113	195,865
Covington	1,364,923	1,114,494	250,428
Crenshaw	974,350	766,068	208,282
Dale	630,231	393,355	236,875
Geneva	313,328	221,120	92,208
Henry	715,642	545,322	170,321
Houston	320,421	265,570	54,851
Pike	1,001,255	696,281	304,975
Total	10,261,941	7,868,878	2,393,062

NOTE: Statistics come from 2016 Forest Inventory & Analysis (FIA) data.
Numbers in rows and columns may not sum due to rounding.

Average Annual Net Growth by Region and Species Group - SOFTWOODS



Average Annual Net Growth by Region and Species Group - HARDWOODS



Timber Harvest Removals

Softwood timber volume removed annually as a result of harvesting is 30.0 million tons. Hardwood volume removed annually from timber harvesting is 10.2 million tons.

- The Southwest Region leads the state in softwood (virtually all pine) harvests while the amount of hardwoods harvested is highest in the Northwest Region. Nearly one-third of all softwood removals in the state come from the Southwest Region, while greater than one-quarter of all hardwood removals come from the Northwest Region.

AVERAGE ANNUAL REMOVALS OF GROWING STOCK
BY MAJOR SPECIES GROUP
NORTH REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Colbert	106,395	82,748	23,646
DeKalb	131,416	103,155	28,260
Franklin	114,110	51,670	62,440
Jackson	556,166	180,442	375,724
Lauderdale	112,719	0	112,719
Lawrence	143,902	67,357	76,545
Limestone	146,047	0	146,047
Madison	166,960	0	166,960
Marion	936,615	688,507	248,108
Marshall	86,740	18,792	67,948
Morgan	254,652	155,500	99,152
Winston	435,058	387,471	47,587
Total	3,190,779	1,735,641	1,455,138

AVERAGE ANNUAL REMOVALS OF GROWING STOCK
BY MAJOR SPECIES GROUP
NORTHWEST REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Bibb	495,063	481,628	13,436
Dallas	1,479,864	933,322	546,542
Fayette	648,312	519,230	129,081
Greene	406,139	173,966	232,173
Hale	694,239	521,346	172,893
Lamar	790,981	441,361	349,620
Perry	732,169	609,056	123,112
Pickens	1,114,305	909,297	205,007
Sumter	1,102,095	539,692	562,402
Tuscaloosa	993,886	724,469	269,417
Walker	514,842	414,789	100,053
Total	8,971,894	6,268,157	2,703,737

AVERAGE ANNUAL REMOVALS OF GROWING STOCK
BY MAJOR SPECIES GROUP
NORTHEAST REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Blount	314,867	275,091	39,775
Calhoun	250,066	236,743	13,323
Cherokee	357,184	277,624	79,559
Clay	704,694	608,049	96,645
Cleburne	291,628	208,270	83,358
Cullman	491,012	159,036	331,976
Etowah	257,656	142,769	114,887
Jefferson	523,522	378,915	144,608
Randolph	435,118	382,432	52,686
St. Clair	231,912	155,886	76,026
Shelby	668,081	381,424	286,657
Talladega	480,035	445,699	34,336
Total	5,005,775	3,651,938	1,353,837

AVERAGE ANNUAL REMOVALS OF GROWING STOCK
BY MAJOR SPECIES GROUP
EAST CENTRAL REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	241,092	208,148	32,944
Chambers	650,281	521,946	128,335
Chilton	440,290	286,011	154,279
Coosa	499,942	382,411	117,531
Elmore	222,262	171,218	51,044
Lee	400,925	299,494	101,432
Lowndes	453,168	347,581	105,588
Macon	714,548	384,136	330,413
Montgomery	335,988	164,303	171,685
Russell	722,700	555,583	167,117
Tallapoosa	711,437	462,369	249,067
Total	5,392,633	3,783,199	1,609,435

AVERAGE ANNUAL REMOVALS OF GROWING STOCK
BY MAJOR SPECIES GROUP
SOUTHWEST REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Baldwin	803,992	770,614	33,378
Choctaw	1,408,473	1,082,034	326,439
Clarke	1,395,062	1,147,444	247,618
Conecuh	1,140,487	876,708	263,779
Escambia	745,021	715,145	29,876
Marengo	910,076	683,702	226,374
Mobile	707,826	593,174	114,652
Monroe	898,547	726,782	171,765
Washington	1,555,345	1,344,515	210,830
Wilcox	1,099,443	903,967	195,476
Total	10,664,273	8,844,085	1,820,188

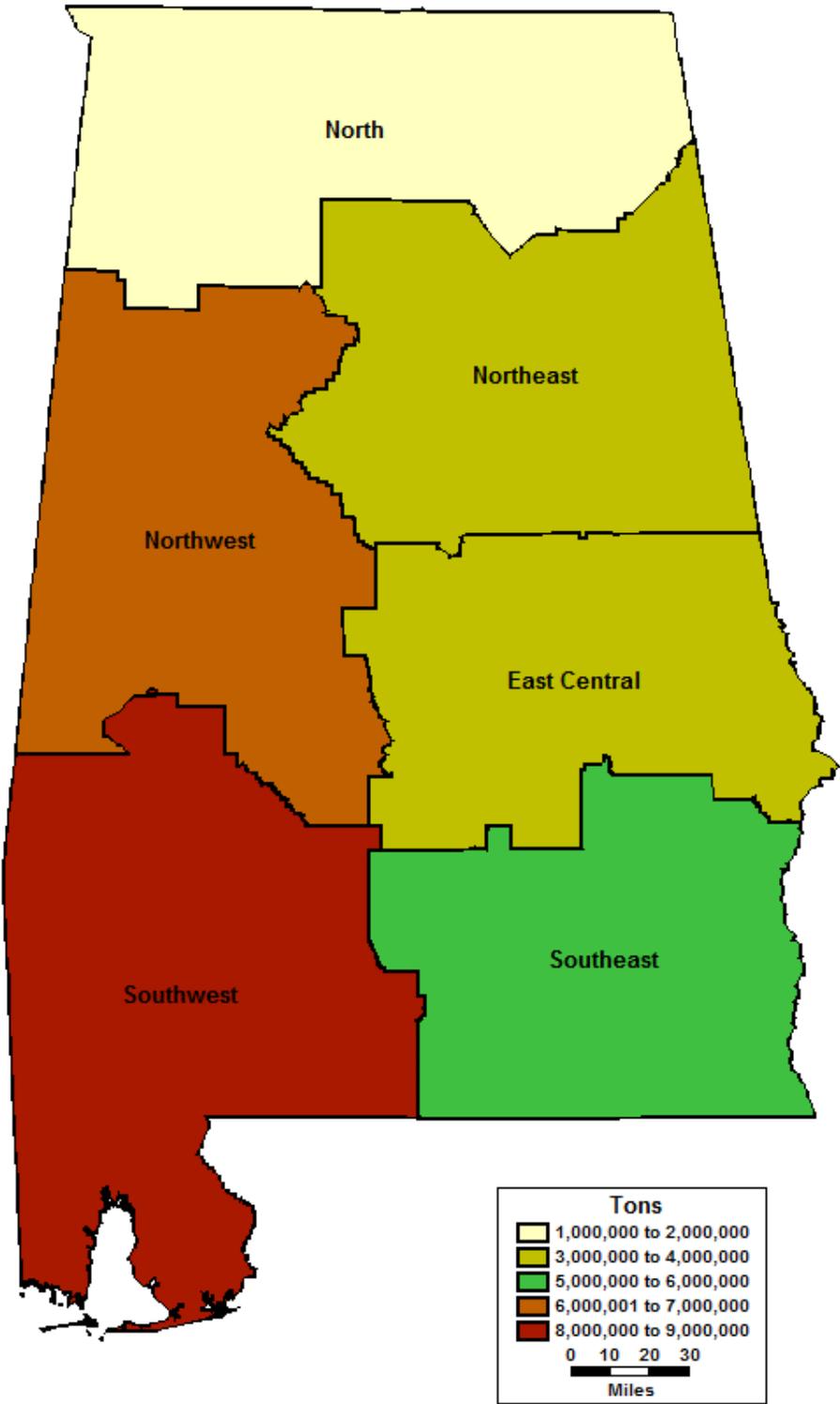
AVERAGE ANNUAL REMOVALS OF GROWING STOCK
 BY MAJOR SPECIES GROUP
 SOUTHEAST REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Barbour	1,166,002	913,593	252,409
Bullock	703,602	665,508	38,094
Butler	874,088	632,892	241,197
Coffee	454,849	395,363	59,486
Covington	985,248	914,594	70,654
Crenshaw	1,047,315	983,257	64,058
Dale	260,879	153,006	107,873
Geneva	221,653	181,210	40,443
Henry	397,585	205,683	191,903
Houston	219,611	206,329	13,282
Pike	579,937	418,123	161,814
Total	6,910,769	5,669,556	1,241,213

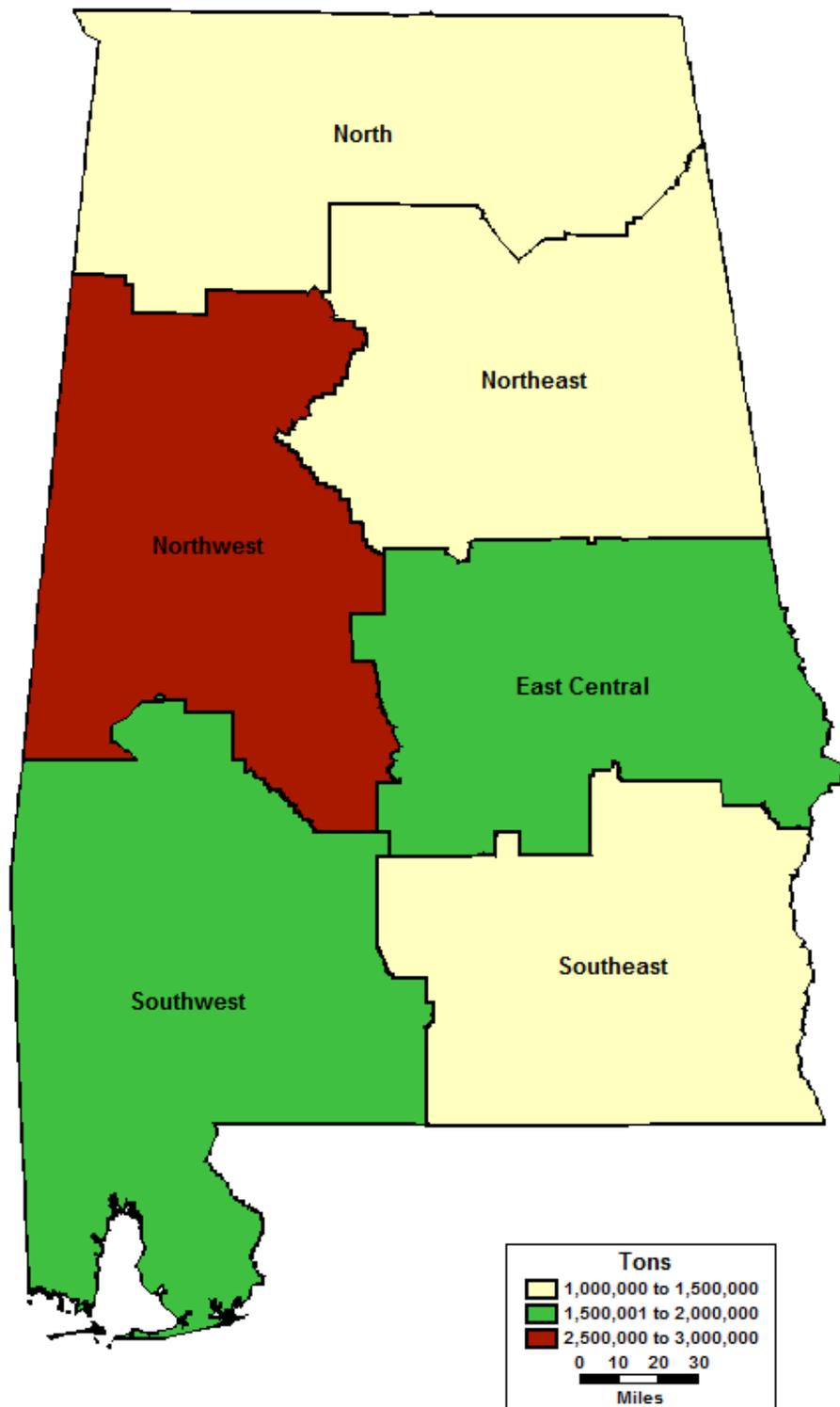
NOTE: Statistics come from 2016 Forest Inventory and Analysis (FIA) data.

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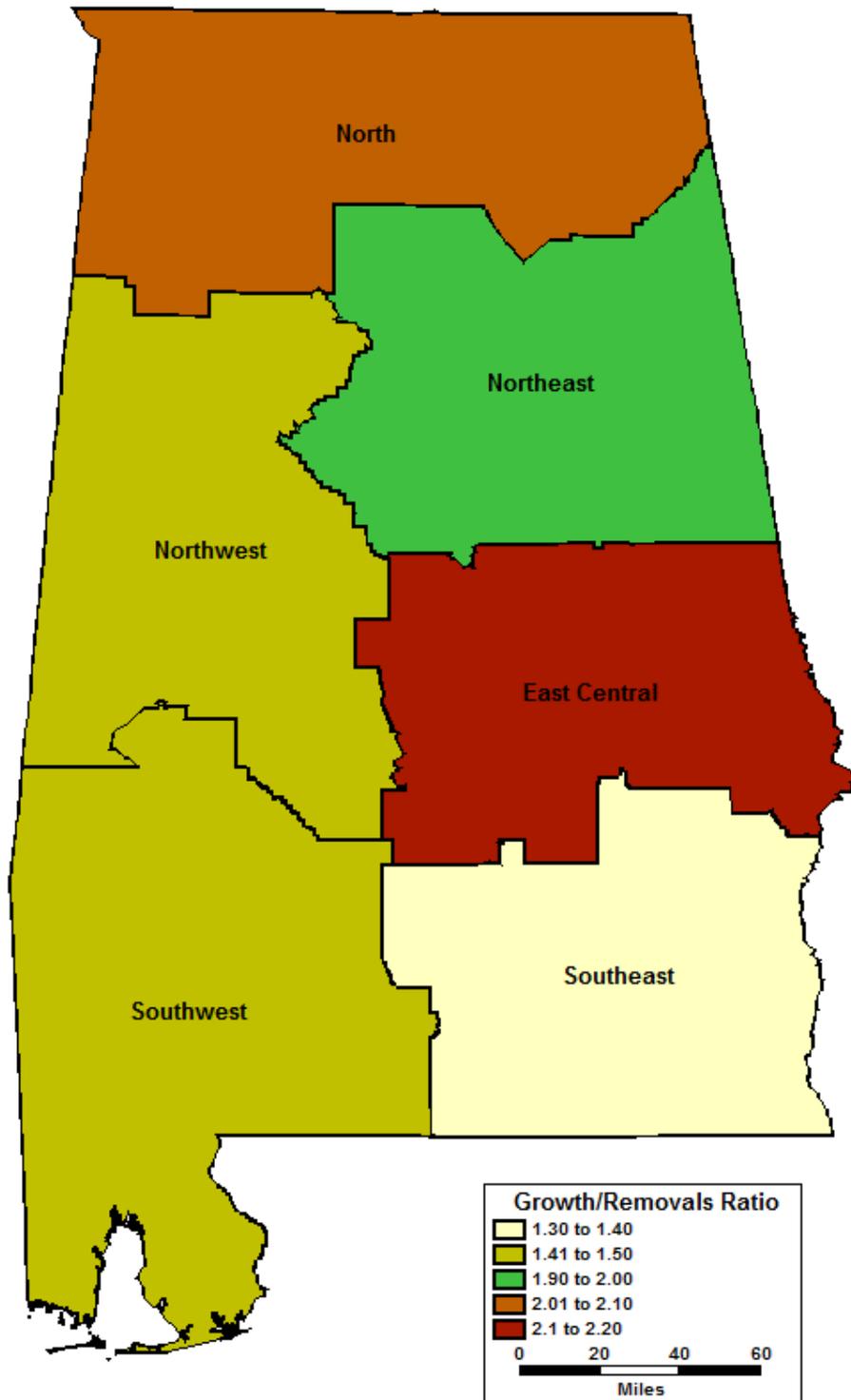
Average Annual Removals by Region and Species Group - SOFTWOODS



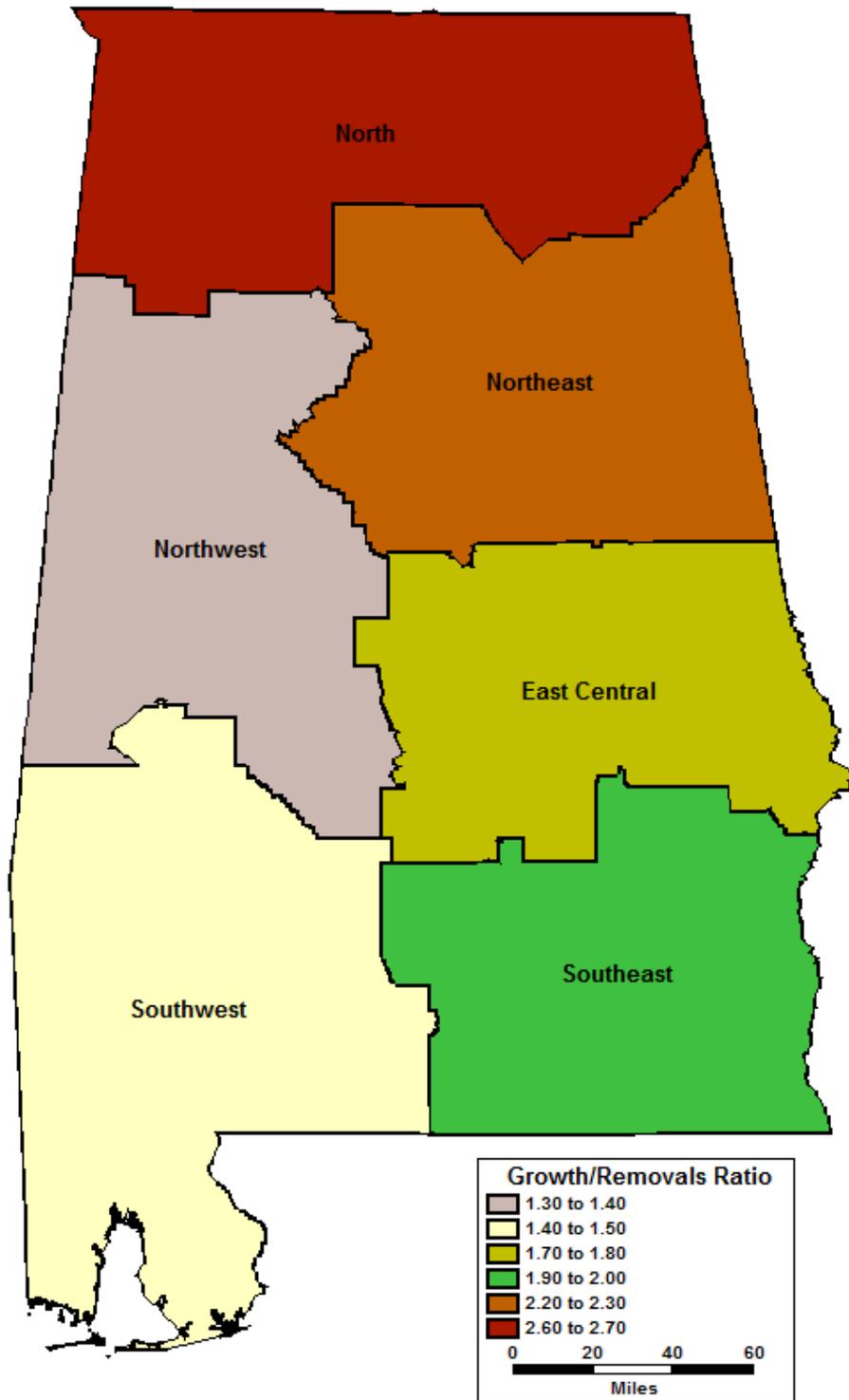
Average Annual Removals by Region and Species Group - HARDWOODS



Growth vs. Removals Ratio by Region and Species Group - SOFTWOODS



Growth vs. Removals Ratio by Region and Species Group - HARDWOODS



2016 Timber Harvest Volume

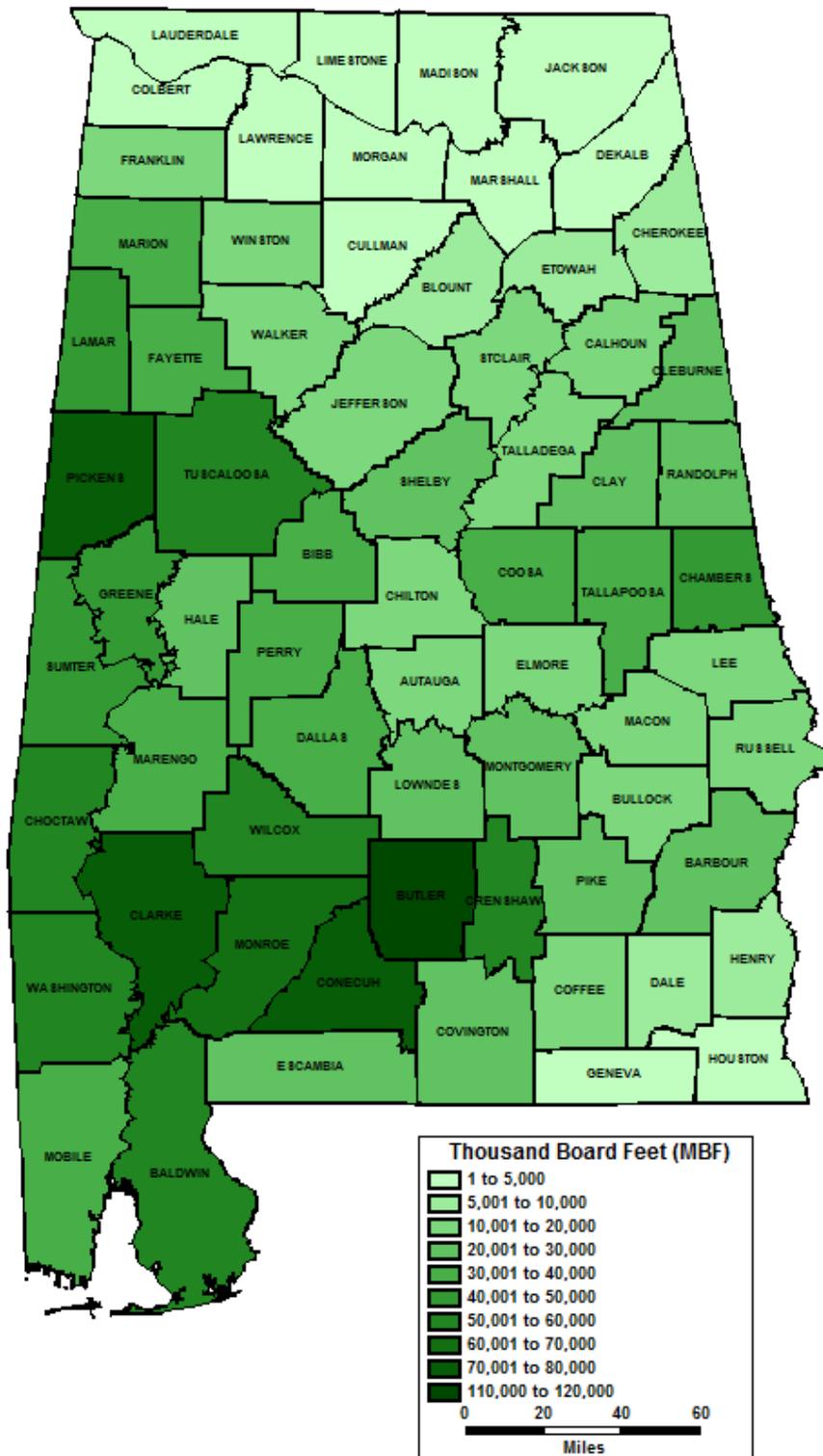
- Based on Alabama Department of Revenue severance tax reports for 2016, 1.77 billion board feet of pine sawtimber (Scribner log rule) and 187.0 million board feet of hardwood sawtimber (Doyle log rule) were harvested. In addition, approximately 7.44 million cords of pine pulpwood were harvested while 2.52 million cords of hardwood pulpwood were harvested.
- Sawtimber harvests (including poles) accounted for 32% of the total harvests in 2016 (see chart on page 43). Of all sawtimber that was harvested in 2016, 87% consisted of pine and only 13% consisted of hardwood species.
- Pine sawtimber harvests have increased each of the last 6 years while hardwood sawtimber harvests have fluctuated over the same time span. When comparing 2016 sawtimber harvests to the previous five-year period's average harvest volume, the pine sawtimber harvest was 31% higher than previous five year's average, while the hardwood sawtimber harvest was 1% higher than the average (see chart on page 44). The increase in pine sawtimber harvests over the past several years can largely be linked to the recovery in the housing market. Housing starts in the South region of the United States have increased each of the last 6 years and in 2016 the number of starts was 579,000; a 4.2% increase from 2015. In addition, shipments of southern yellow pine lumber amounted to 17.3 billion board feet in 2016, an increase of 4% over the amount shipped in 2015. Similar to housing starts, pine shipments have increased each of the last 6 years.
- Pine sawtimber demand is directly linked to the health of the housing market. The housing market in 2017 is not expected to be much different than it was in 2016, although there are some hopeful signs that the millennial generation is finally starting to enter the housing market at a rate that could lead to gains in the housing sector.
- Pulpwood harvests accounted for 68% of the total harvests in 2016 (see chart on page 43). Of all pulpwood harvested in 2016, 76% consisted of pine and only 24% consisted of hardwood species.
- The demand for pine pulpwood remained high in 2016, and showed a 0.5% increase over 2015, despite still being 1.4% below the 2011-2015 average. The demand for hardwood pulpwood in 2016 was virtually unchanged from 2015, but is down 14% from the 2011-2015 average.
- Pine pulpwood production will likely remain high in the upcoming years in large part due to high demand from pulp/paper mills, OSB mills, and wood pellet manufactures. Results are somewhat mixed across products. OSB manufacture increased roughly 3% over the previous year, while paper and paperboard production slipped by 1%. In 2016 wood pellet exports to Europe totaled 5.18 million tons, which was a slight increase over 2015. Although wood chip demand is expected to increase over the next five years, no new wood biofuel or bioenergy projects were announced in the South in 2016.
- Hardwood pulpwood production managed to hold steady in 2016, but at a level that is only 80% that of 2012's, and will likely remain at these lower levels in the near future. There are a number of reasons for this, including a decreasing demand for writing paper and newsprint (primarily produced from hardwood pulp).

Table 1. Production of Forest Products by Product and County for Calendar Year 2016.

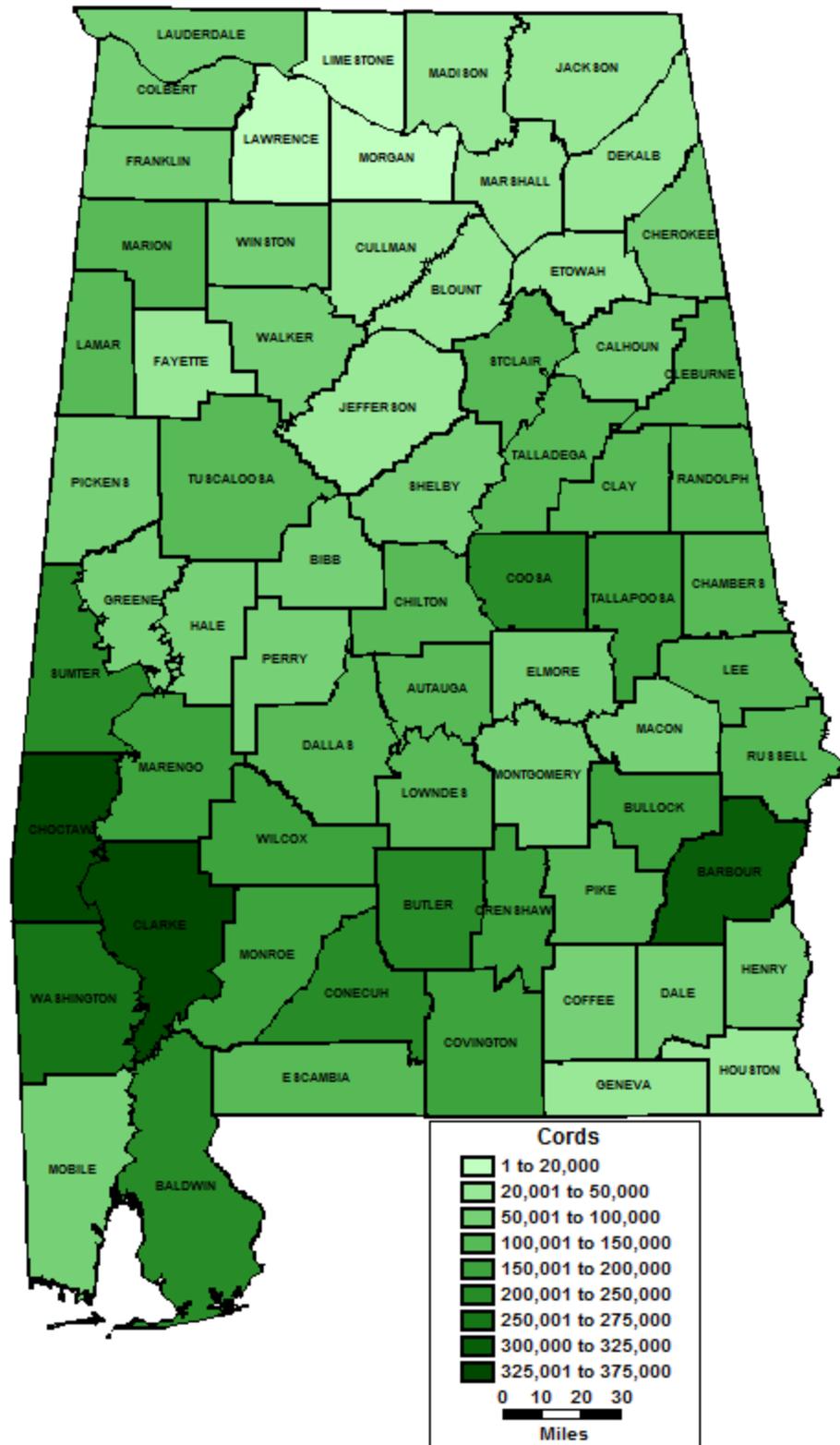
County	Pine Sawtimber (mbf Scribner)	Hardwood Sawtimber (mbf Doyle)	Pine Pulpwood (cords)	Hardwood Pulpwood (cords)	Poles and Piles (mbf Doyle)
AUTAUGA	16,073	845	109,211	33,001	357
BALDWIN	54,808	505	211,774	23,051	1,727
BARBOUR	22,499	1,362	301,296	45,708	137
BIBB	35,781	2,267	90,707	55,972	4,309
BLOUNT	5,252	2,121	24,008	33,603	12
BULLOCK	18,217	4,157	162,443	20,799	389
BUTLER	111,576	797	235,893	46,714	3,259
CALHOUN	10,577	439	67,314	16,795	82
CHAMBERS	43,171	1,099	133,240	23,685	2,433
CHEROKEE	5,969	436	72,553	11,533	0
CHILTON	17,803	1,036	108,492	36,322	521
CHOCTAW	57,053	4,771	373,095	110,362	3,247
CLARKE	72,527	20,279	339,568	118,515	4,343
CLAY	23,151	3,429	129,414	45,606	770
CLEBURNE	23,259	1,226	138,284	20,337	102
COFFEE	17,662	498	76,472	26,750	839
COLBERT	1,981	1,951	85,668	24,098	0
CONECUH	79,293	778	212,792	50,052	5,616
COOSA	36,091	2,108	208,941	50,537	4,199
COVINGTON	25,620	9	156,856	35,460	1,065
CRENSHAW	51,959	4,459	152,178	46,912	2,340
CULLMAN	4,164	2,789	35,537	9,346	0
DALE	5,675	713	67,466	30,068	159
DALLAS	31,105	3,585	113,903	62,627	531
DEKALB	2,948	5,331	40,053	13,440	18
ELMORE	13,298	832	53,239	26,400	484
ESCAMBIA	23,462	30	104,202	20,960	2,708
ETOWAH	6,542	517	49,265	24,447	30
FAYETTE	31,682	2,374	40,360	45,416	152
FRANKLIN	13,450	1,680	73,408	18,384	15
GENEVA	3,836	25	42,851	6,941	150
GREENE	47,354	3,750	77,055	37,441	344
HALE	28,509	2,190	86,902	51,392	115
HENRY	7,050	214	85,478	20,174	25
HOUSTON	1,487	61	49,035	12,437	63

JACKSON	712	6,099	20,376	22,806	0
JEFFERSON	11,489	1,309	40,537	20,885	61
LAMAR	43,169	4,751	113,225	29,593	552
LAUDERDALE	1,676	3,198	55,556	19,010	0
LAWRENCE	1,593	1,395	18,537	15,271	0
LEE	15,693	586	142,409	82,672	303
LIMESTONE	1,779	1,984	3,924	10,021	0
LOWNDES	28,249	1,727	108,135	41,119	753
MACON	17,226	1,767	94,546	39,463	84
MADISON	1,091	956	44,237	16,672	0
MARENGO	36,155	24,343	192,195	80,117	698
MARION	37,936	1,759	103,493	12,381	110
MARSHALL	3,188	1,784	20,131	15,063	0
MOBILE	33,680	1,533	75,722	27,959	1,448
MONROE	64,456	4,250	198,092	39,053	4,636
MONTGOMERY	28,447	2,824	72,049	27,320	264
MORGAN	1,150	2,628	10,905	14,511	8
PERRY	30,211	1,255	70,860	29,852	1,163
PICKENS	76,624	10,324	73,341	126,706	494
PIKE	28,747	1,518	115,792	46,595	175
RANDOLPH	27,373	1,346	111,417	40,564	154
RUSSELL	13,469	1,997	131,997	30,118	0
ST. CLAIR	13,742	793	106,480	32,992	313
SHELBY	22,917	980	84,922	32,131	944
SUMTER	44,756	3,439	201,274	59,974	1,966
TALLADEGA	11,858	661	105,039	32,884	449
TALLAPOOSA	35,655	1,476	158,913	45,327	760
TUSCALOOSA	51,147	4,162	100,527	87,172	241
WALKER	18,826	1,141	62,861	14,590	58
WASHINGTON	50,186	3,394	255,568	110,262	1,863
WILCOX	54,980	2,899	174,663	53,246	1,037
WINSTON	12,744	10,102	59,838	7,342	31
Totals	1,771,808	187,041	7,436,512	2,518,958	59,102

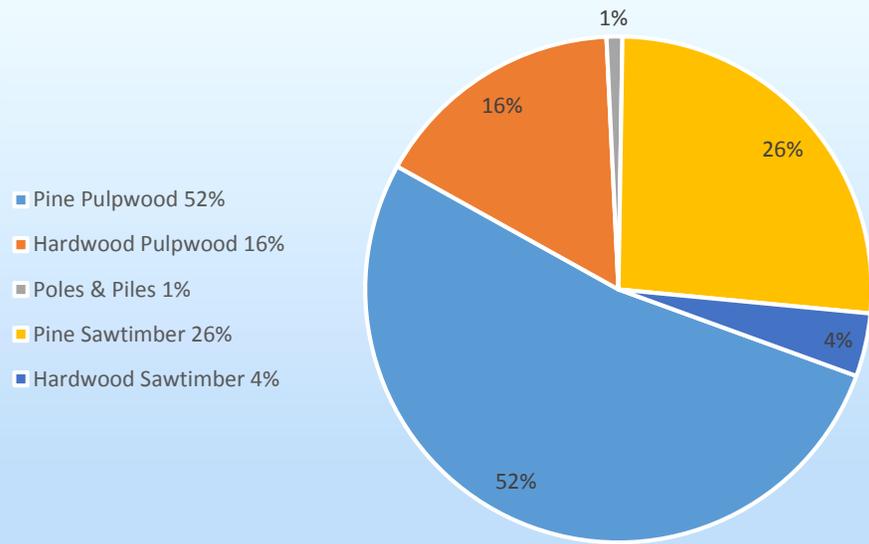
2016 Pine Sawtimber Harvest Removals



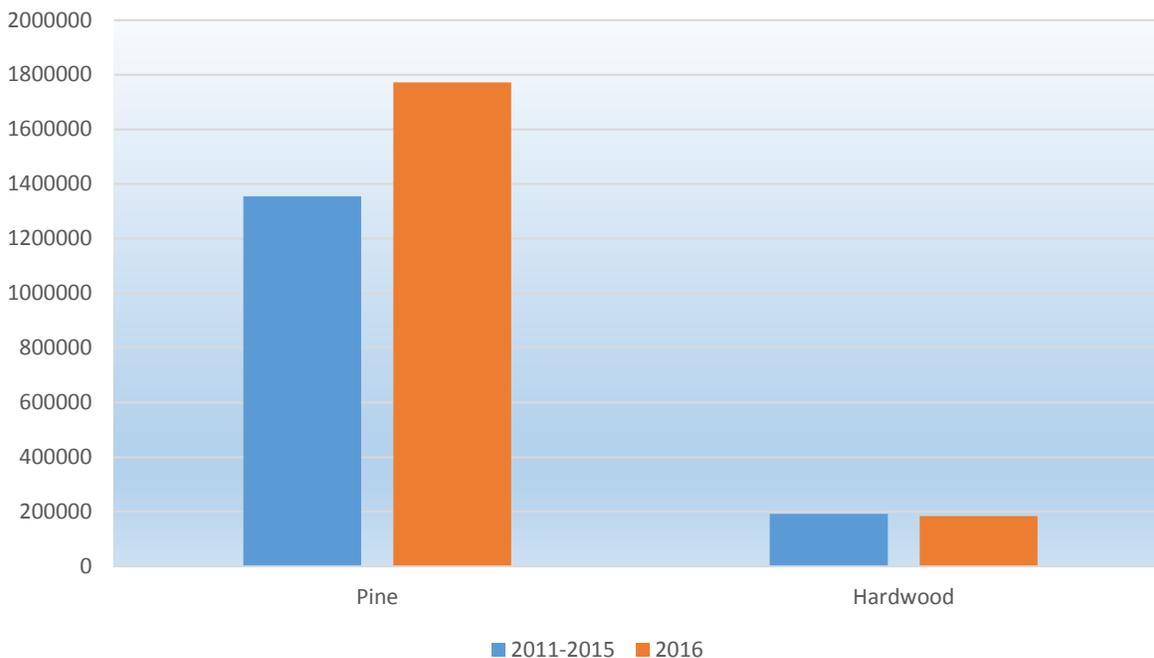
2016 Pine Pulpwood Harvest Removals



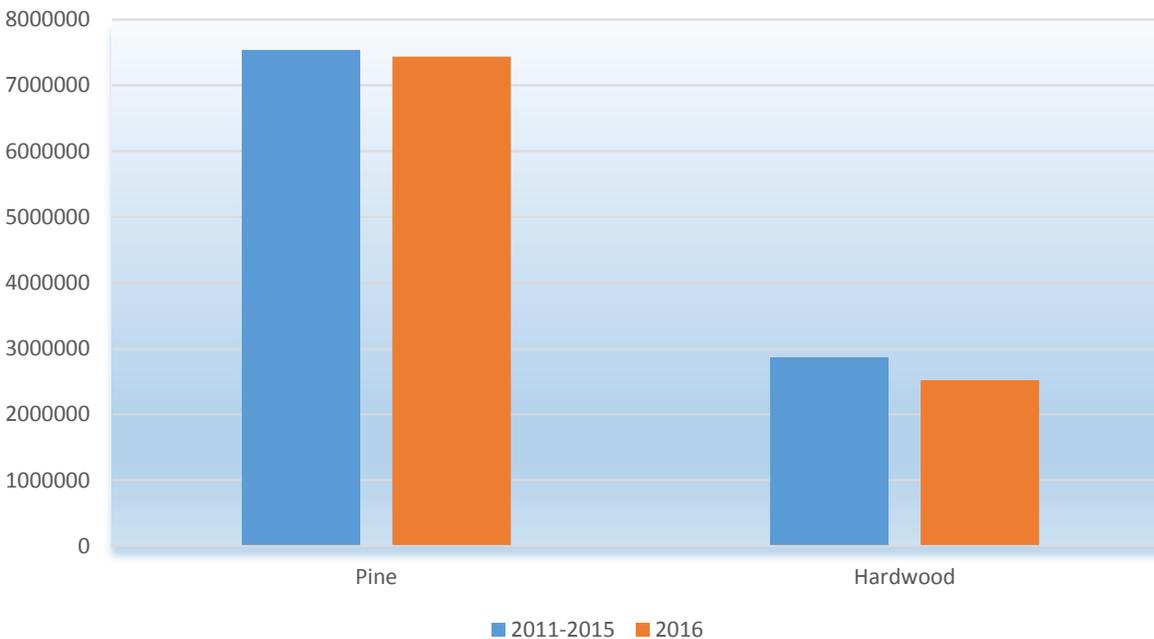
Percentage of Forest Products Harvested by Product Class



Sawtimber Harvest Volumes by Species Group (MBF)



Pulpwood Harvest Volumes by Species Group (Cords)



2016 Timber Price Trends

PRODUCT	2016 Stumpage Prices		2015 Stumpage Prices	
	Price (Region 1)	Price (Region 2)	Price (Region 1)	Price (Region 2)
Pine Sawtimber	\$181/MBF	\$183/MBF	\$183/MBF	\$190/MBF
Hardwood Sawtimber	\$346/MBF	\$311/MBF	\$334/MBF	\$312/MBF
Pine Pulpwood	\$22.25/cord	\$28.12/cord	\$22.71/cord	\$30.02/cord
Hardwood Pulpwood	\$42.51/cord	\$43.64/cord	\$44.66/cord	\$41.50/cord

- The total estimated stumpage revenue generated from the sale of all forest products in 2016 was approximately \$709.4 million dollars, which was **nearly equivalent** to the estimated total from 2015 of \$711.2 million. The reduced pulpwood prices in 2016 made it difficult to increase total revenue.
- The total estimated stumpage revenue generated from the sale of sawtimber **increased 1.9% from 2015**. Pine sawtimber revenue increased by 2.2% while hardwood sawtimber revenue was flat.
- The total estimated stumpage revenue generated from the sale of pulpwood **decreased by 4.6% from 2015**. Pine pulpwood revenue when compared to 2015 decreased by 7.5% and hardwood pulpwood revenue increased by nearly 1.0% from 2015.

Table 2. Stumpage Revenue from Sale of Forest Products by Product and County for Calendar Year 2016.

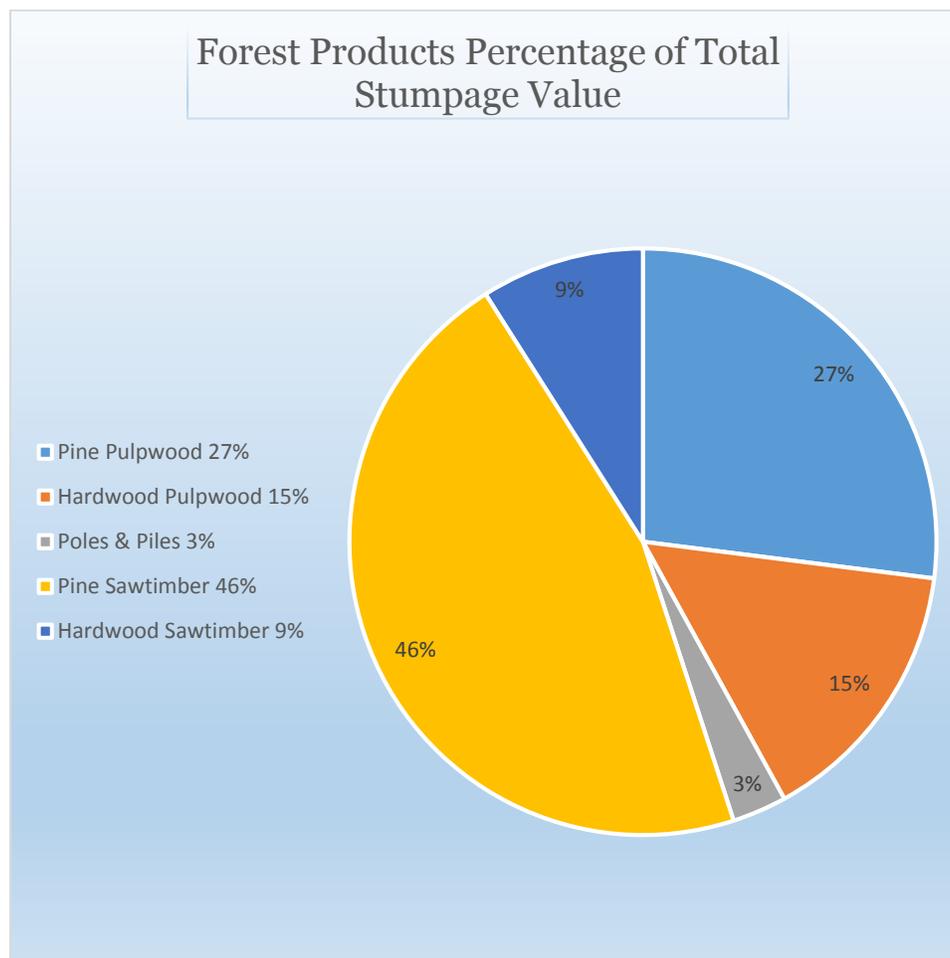
County	Pine Sawtimber (mbf Scribner)	Hardwood Sawtimber** (mbf Doyle)	Pine Pulpwood (cords)	Hardwood Pulpwood (cords)	Poles and Piles (mbf Doyle)	Total
<i>(estimated revenue in dollars)</i>						
AUTAUGA	2,927,300	277,826	2,750,491	1,421,494	156,448	7,533,560
BALDWIN	10,057,229	157,153	5,954,561	1,006,015	758,264	17,933,222
BARBOUR	4,128,538	423,793	8,471,685	1,994,790	60,342	15,079,149
BIBB	6,467,420	784,498	2,018,449	2,379,110	1,884,111	13,533,589
BLOUNT	949,213	733,900	534,241	1,428,300	5,069	3,650,723
BULLOCK	3,342,898	1,293,976	4,567,480	907,730	170,606	10,282,690
BUTLER	20,474,259	248,122	6,632,717	2,038,726	1,430,780	30,824,603
CALHOUN	1,911,759	151,819	1,497,899	713,874	35,719	4,311,069
CHAMBERS	7,862,524	361,096	3,355,650	1,020,180	1,066,142	13,665,591
CHEROKEE	1,078,953	151,008	1,614,490	490,221	0	3,334,672
CHILTON	3,217,895	358,369	2,414,209	1,543,847	227,729	7,762,048
CHOCTAW	10,390,817	1,567,722	9,396,392	4,753,696	1,422,623	27,531,249
CLARKE	13,308,716	6,311,951	9,547,799	5,172,276	1,906,438	36,247,181
CLAY	4,184,565	1,186,561	2,879,776	1,938,498	336,843	10,526,245
CLEBURNE	4,204,031	424,331	3,077,169	864,419	44,460	8,614,409

COFFEE	3,241,068	155,084	2,150,197	1,167,436	368,296	7,082,082
COLBERT	358,070	675,203	1,906,327	1,024,265	0	3,963,866
CONECUH	14,550,266	242,289	5,983,173	2,184,382	2,465,235	25,425,346
COOSA	6,523,390	729,399	4,649,456	2,148,055	1,835,844	15,886,144
COVINGTON	4,701,244	2,878	4,410,386	1,547,546	467,684	11,129,738
CRENSHAW	9,534,467	1,387,927	4,278,873	2,047,338	1,027,147	18,275,752
CULLMAN	752,633	964,949	790,792	397,259	0	2,905,632
DALE	1,041,371	221,833	1,896,974	1,312,238	69,601	4,542,017
DALLAS	5,665,063	1,178,231	2,868,648	2,697,588	232,695	12,642,225
DEKALB	532,925	1,844,533	891,272	571,288	7,686	3,847,704
ELMORE	2,421,842	273,460	1,340,834	1,137,148	212,114	5,385,399
ESCAMBIA	4,305,191	9,264	2,929,908	914,733	1,188,790	9,347,886
ETOWAH	1,182,526	178,976	1,096,260	1,039,140	12,923	3,509,824
FAYETTE	5,726,588	821,451	898,104	1,930,425	66,337	9,442,905
FRANKLIN	2,431,108	581,149	1,633,515	781,422	6,396	5,433,589
GENEVA	703,995	7,662	1,204,868	302,925	65,940	2,285,390
GREENE	8,624,332	1,232,211	1,940,622	1,612,743	150,670	13,560,578
HALE	5,192,249	719,615	2,188,615	2,213,650	50,389	10,364,517
HENRY	1,293,610	66,532	2,403,415	880,460	10,928	4,654,944
HOUSTON	272,849	19,109	1,378,732	542,796	27,483	2,240,968
JACKSON	128,753	2,110,148	453,416	969,354	0	3,661,672
JEFFERSON	2,076,637	452,754	902,041	887,716	26,569	4,345,717
LAMAR	7,802,777	1,643,728	2,519,535	1,257,864	241,249	13,465,153
LAUDERDALE	302,897	1,106,337	1,236,249	808,033	0	3,453,516
LAWRENCE	287,906	482,738	412,493	649,080	0	1,832,216
LEE	2,858,170	192,451	3,586,574	3,560,985	132,800	10,330,980
LIMESTONE	321,642	686,358	87,322	425,937	0	1,521,259
LOWNDES	5,144,776	567,584	2,723,386	1,771,139	329,856	10,536,740
MACON	3,160,882	550,011	2,658,408	1,722,256	36,970	8,128,528
MADISON	197,118	330,628	984,393	708,650	0	2,220,789
MARENGO	6,584,681	7,999,575	4,840,431	3,450,934	305,802	23,181,423
MARION	6,856,940	608,547	2,302,974	526,243	48,280	10,342,984
MARSHALL	576,170	617,281	447,957	640,242	0	2,281,650
MOBILE	6,180,235	477,021	2,129,110	1,220,205	635,777	10,642,348
MONROE	11,827,754	1,322,683	5,569,861	1,704,375	2,035,349	22,460,022
MONTGOMERY	5,180,979	928,001	1,814,560	1,176,790	115,567	9,215,897
MORGAN	207,883	909,141	242,662	616,799	3,648	1,980,133
PERRY	5,502,115	412,345	1,784,602	1,285,857	509,355	9,494,274
PICKENS	13,849,754	3,572,193	1,632,031	5,385,657	215,783	24,655,418
PIKE	5,275,149	472,382	3,255,794	2,033,539	76,687	11,113,552
RANDOLPH	4,947,627	465,765	2,479,307	1,724,164	67,517	9,684,382
RUSSELL	2,471,583	621,697	3,711,437	1,314,406	0	8,119,123
ST. CLAIR	2,483,887	274,271	2,369,446	1,402,345	136,775	6,666,724

SHELBY	4,142,195	338,930	1,889,737	1,365,734	412,839	8,149,434
SUMTER	8,151,152	1,130,169	5,069,088	2,583,306	861,184	17,794,899
TALLADEGA	2,143,308	228,802	2,337,377	1,397,725	196,183	6,303,396
TALLAPOOSA	6,493,630	485,036	4,002,228	1,952,411	332,817	13,266,122
TUSCALOOSA	9,244,769	1,440,046	2,236,975	3,705,235	105,378	16,732,403
WALKER	3,402,793	394,958	1,398,819	620,167	25,237	5,841,974
WASHINGTON	9,209,181	1,056,240	7,185,944	4,812,119	818,035	23,081,520
WILCOX	10,088,866	902,440	4,911,094	2,323,810	455,165	18,681,375
WINSTON	2,303,444	3,495,186	1,331,537	312,052	13,496	7,455,715
Totals	322,966,559	62,019,324	190,060,767	108,441,143	25,910,047	\$ 709,397,841

**Hardwood sawtimber includes cross ties and switch ties.

SOURCES: Volumes from Severacne Tax Receipts. Stumpage Price Rates from averaged 2016 Timber Mart South values.



2014 Timber and other Agricultural Commodities Rankings

Timber ranks second in production of all agricultural commodities, and in 2014 accounted for 10.6% of all commodities, with broilers leading the state in agriculture cash receipts. Timber has consistently ranked second in cash receipts for agricultural commodities. Below is a listing of the top 5 producers.

Table 3. Cash Receipts of Top Agricultural Commodities for Alabama.

Commodity	2010	2011	2012	2013	2014	2014 Rank
			<i>Thousand Dollars</i>			
Broilers	\$2,789,300	\$2,671,500	\$2,810,100	\$3,564,400	\$3,854,200	1
Forest Products	\$596,700	\$511,800	\$595,800	\$675,100	\$759,600	2
Cattle and Calves	\$387,600	\$395,700	\$505,000	\$467,200	\$669,600	3
Eggs	\$291,300	\$322,700	\$352,000	\$388,800	\$400,700	4
Cotton	\$234,700	\$269,600	\$307,400	\$261,900	\$316,600	5

2013-2014 Forest Industry Statistics

Alabama's forest industry is the state's second largest manufacturing industry, producing and estimated \$14.8 billion worth of products in 2013. Of this total, \$8.8 billion was comprised of pulp and paper products, \$4.1 billion came from the production of lumber and other wood products, and \$1.9 billion came from the production of furniture and other secondary wood products. The value-added contribution of the forest industry in 2013 is estimated at \$7.7 billion, or approximately 52% of the total shipment value. (Source: U.S. Census Bureau and AIDT Forest Products Development Center)

Alabama Forestry & Forest Industry Economic Impact - 2013

NAICS	Industry	Employees (number)	Payroll (\$million)	Value-Added (\$million)	Value of Shipments (\$million)
113	Forestry & Logging	5,810	261.0	N/A	N/A
321	Lumber & Wood Products	15,270	575.6	1,745.3	4,127.4
322	Pulp & Paper Products	11,713	899.1	4,561.5	8,798.3
337	Furniture & Related Products	9,670	345.1	1,391.7	1,909.4
TOTAL		42,463	2,080.8	7,698.5	14,835.1

Alabama's pulp and paper industry is not only one of the largest in the United States but also one of the largest in the world. Alabama ranks 2nd in the United States in pulp production and paper production. If Alabama was a country, it would rank 9th in the world in pulp production and 13th in paper production. (Source: AIDT Forest Products Development Center)

Alabama is also a major producer of solid wood products. In 2013, an estimated 2.16 billion board feet of lumber was produced in Alabama, 83% of which was from southern yellow pine. Alabama also produced 1.78 billion square feet of wood panels in 2013. Alabama ranks 6th in the U.S. in lumber production and 8th in wood panel production. (Source: U.S. Dep't. of Commerce and AIDT Forest Products Development Center)

Alabama's forest industry has been one of the state's most consistent sources of new investment. Forest industry investments in 2014 totaled \$641 million. (Source: U.S. Census Bureau, and Alabama Department of Commerce)

Forest Products Manufacturing	Direct Output (\$Mn)	Output Impact (\$Mn)
Paper mills	3,848.7	7,526.4
Paperboard mills	2,534.6	5,322.1
Sawmills and wood preservation	1,108.0	2,177.1
Paperboard container manufacturing	719.2	1,167.3
Pulp mills	364.6	871.9
Wood windows and doors and millwork manufacturing	331.7	697.5
Veneer and plywood manufacturing	226.7	484.2
Coated and laminated paper, packaging paper and plastics film manufacturing	223.4	397.3
All other paper bag and coated and treated paper manufacturing	228.4	349.6
Reconstituted wood product manufacturing	151.4	275.2
All other converted paper product manufacturing	90.1	167.0
Wood container and pallet manufacturing	119.1	164.6
Engineered wood member and truss manufacturing	69.7	152.2
All other miscellaneous wood product manufacturing	85.1	151.4
Stationery product manufacturing	59.4	101.3
Total for Forest Products Manufacturing	10,160.1	20,004.9

From "Economic Impacts of Alabama's Agricultural, Forestry, and Related Industries – A Report by the Department of Agricultural Economics and Rural Sociology, Auburn University, February 2013"

2016 Forest Products Investments in New & Expanding Businesses

- During 2016, there were 50 announcements of new and expanding businesses; 4 new and 46 expansions of existing industries. There were 7 more announcements in 2016 than 2015.
- A total of 1,005 new jobs were directly created, which is 88 more than were created in 2015.
- The money invested in the 50 new and expanding industries amounted to \$1.197 billion, which is \$300 million more than invested in 2015.

2016 ALABAMA NEW & EXPANDING INDUSTRY REPORT FOREST INDUSTRY								
Year	N/E	COUNTY	COMPANY	CITY	NAICS	BUSINESS ACTIVITY	JOBS	INVESTMENT
2016	E	Barbour	Alabama Inter-Forest Corporation	Eufaula	321219	Fiberboard Panels	6	340,000
2016	E	Barbour	Garrison Brothers Lumber Compa	Eufaula	321912	Planer Mills	1	3,000,000
2016	E	Barbour	Southeast Wood Treating Inc.	Louisville	321114	Wood Treating	23	1,800,000
2016	E	Calhoun	Kronospan U.S. LLC	Eastaboga	321219	Non-Struct. Panels & Laminat	160	362,000,000
2016	E	Calhoun	NGC Industries	Oxford	322130	Gypsum Wallboard Facing	14	26,000,000
2016	E	Clarke	Louisiana-Pacific Corporation	Thomasville	321219	Oriented Strand Board (OSB)	13	14,000,000
2016	E	Clay	Integrity Cabinets LLC	Ashland	337110	Wood Kitchen Cabinets	10	600,000
2016	N	Cleburne	Tree Brand Packaging	Ranburne	321920	Wood pallets, skids & crates	16	882,000
2016	N	Colbert	RMR-Barton, LLC	Cherokee	322110	Paper Recycling	23	1,800,000
2016	E	Colbert	APC Forest Products	Muscle Sho	321920	Wood Pallets; Wood Treating	6	0
2016	E	Colbert	United Lumber & Remanufacturing	Muscle Sho	321113	Lumber Components	4	120,000
2016	E	Covington	Huhtamaki	Andalusia	322231	Folding Cartons	5	0
2016	E	Cullman	Cullman Cabinet and Supply Com	Cullman	337110	Cabinet Doors, Counter Tops	2	225,000
2016	E	Cullman	I-Core Composites LLC	Cullman	321912	Balsa Wood Core Material	4	50,000
2016	E	Cullman	Louisiana-Pacific Corporation	Hanceville	321219	Oriented Strand Board (OSB)	19	3,961,000
2016	E	Cullman	Rusken Packaging Inc.	Cullman	322211	Corrugated Boxes	0	2,000,000
2016	E	Dallas	Eovations LLC	Selma	321113	Building Materials	36	500,000
2016	E	Dallas	International Paper Co.	Selma	322121	Paper Manufacturer	0	4,000,000
2016	E	Dallas	PalletOne of Alabama LLC	Selma	321920	Pallet Stock	20	500,000
2016	E	Elmore	Gulf Packing, Inc.	Tallassee	322211	Box Manufacturer	15	7,100,000
2016	E	Elmore	HITREE Logging	Wetumpka	113310	Logging	0	750,000
2016	N	Escambia	PRT USA Inc.	Atmore	111421	Seedlings	15	600,000
2016	E	Escambia	Georgia-Pacific Corporation	Brewton	322130	Paperboard Manufacturing	0	150,000,000
2016	E	Hale	The Westervelt Company	Hale	321110	Preservation	4	19,993,600
2016	E	Jackson	Keller Lumber	Stevenson	321113	Sawmill	10	1,280,000
2016	E	Jackson	WestRock	Stevenson	322130	Corrugated Medium Paperbo	0	11,900,000

2016	E	Jefferson	Cascades Sonoco Inc.	Birmingham	322211	Roll Packaging Products, Spe	20	16,122,740
2016	E	Lamar	Weyerhaeuser Company	Millport	321113	Manufacturing	45	165,000,000
2016	E	Lamar	Max Home LLC	Sulligent	337122	Upholstered Furniture Manufa	30	1,500,000
2016	E	Lauderdale	Premier Mantles Inc.	Florence	321911	Fireplace Mantles	10	100,000
2016	E	Lee	Master Brand Cabinets, Inc.	Auburn	337110	Kitchen & Bath Cabinetry	0	6,506,000
2016	E	Limestone	Triad Packaging Inc.	Athens	322211	Corrugated Containers	7	1,456,000
2016	N	Marengo	Two Rivers Lumber Company	Demopolis	321113	Manufacturing	55	59,500,000
2016	E	Marengo	WestRock Mill Company, LLC	Demopolis	322130	Containerboard	0	7,978,371
2016	E	Marion	Kith Furniture	Haleyville	337122	Upholstered Furniture	75	250,000
2016	E	Marion	Buccaneer Homes, LLC	Hamilton	321991	Manufactured Housing	0	2,250,000
2016	E	Marion	Cavalier Home Builders LLC	Hamilton	321991	Manufactured Homes	0	2,500,000
2016	E	Mobile	Barnett Millworks Inc.	Theodore	321911	Millwork Products	25	100,000
2016	E	Mobile	Canfor Southern Pine	Mobile	423990	Headquarters	20	6,275,000
2016	E	Mobile	Lenzing Fibers Inc.	Axis	313230	Mfg.	163	293,000,000
2016	E	Monroe	Standard Furniture	Frisco City	337120	Furniture	24	700,000
2016	E	Montgomery	Bishop Cabinets Inc.	Montgomer	337110	Wood Cabinets	10	200,000
2016	E	Montgomery	Southern Shutter Company Inc.	Montgomer	321911	Wood Shutters	0	600,000
2016	E	Sumter	Prystup Packaging Products Inc.	Livingston	322212	Folding Cartons	13	3,000,000
2016	E	Talladega	ResoluteForest Products US Inc.	Coosa Pine	322121	Market Pulp; Cogeneration	0	3,984,200
2016	E	Tuscaloosa	Remmert & Company, Inc.	Tuscaloosa	321911	Millwork Products	15	0
2016	E	Winston	Grayson Lumber Corporation	Houston	321113	Manufacturing	4	11,000,000
2016	E	Winston	AMS	Haleyville	423990	Cabinet Parts	18	800,000
2016	E	Winston	Kith Kitchens	Haleyville	337110	Kitchen Cabinets	50	0
2016	E	Winston	Pinecrafter, Inc.	Haleyville	337122	Wood Bedroom Furniture	15	550,000
TOTALS							1,005	\$1,196,773,911

Source: Alabama Dept. of Commerce

KJM - 5/17/17

FORESTRY CASH RECEIPT REPORT METHODOLOGY

The following calculations were used in converting volume units reported from severance tax forms to the volumes shown in this report. This methodology is based on Forestry Cash Receipt Report, 1986, Dr. Bill McKee, Alabama Cooperative Extension Service.

I. Pine Sawtimber

- A. Pine Lumber Production (MBF Board Measure) * .88 = Lumber Production, MBF Scribner Log Rule.
- B. Pine Logs (MBF Doyle Rule) * 1.157 = Volume Pine Logs, MBF Scribner Log Rule.
- C. (A)+ (B) = Total Pine Sawlog Harvest * Price per MBF Scribner Log Rule = Value of Pine Sawtimber in Scribner Log Rule.
- D. Conversion to cubic feet: 5.5 cubic feet per MBF, Scribner

II. Hardwood Sawtimber

- A. ((Hardwood Lumber Production in MBF Board Measure + (((Switch Tie Pieces*60 BF per Piece) + ((Cross Ties+MineTies+Mine Props)*45 BF per Piece))/1000))* .70 = Lumber Production, MBF Doyle.
- B. (A) + Hardwood Logs, MBF Doyle Log Rule = Total Hardwood Sawlog Harvest in Doyle Rule * Price per MBF Doyle Rule = Hardwood Sawtimber Value.
- C. Conversion to cubic feet: 3.6 cubic feet per MBF, Doyle

III. Pine Pulpwood

- A. Harvest in Cords * Price per Cord = Pine Pulpwood Value.
- B. Conversion to cubic feet: 85 cubic feet per cord

IV. Hardwood Pulpwood

- Harvest in Cords * Price per Cord = Hardwood Pulpwood Value.
- Conversion to cubic feet: 80 cubic feet per cord

V. Poles and Piling

- A. Pole Production in MBF Doyle + Piling Production in MBF Doyle * Weighted price of Poles and Pilings per MBF Doyle = Value of Poles and Piling.
- B. Conversion to cubic feet: 3.6 cubic feet per MBF, Doyle

VI. Turpentine

- Turpentine in 400 Pound Barrels * Price per Barrel = Turpentine Value**

VII. Forest Inventory & Analysis (FIA) Statistics

- A. Softwoods Species Group: 28.6 cubic feet per ton
- B. Hardwood Species Group: 26.3 cubic feet per ton

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Wood Resources International LLC - Website address: www.wri-ltd.com

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This report was developed by:

Dan Chappell, Forest Inventory & Analysis (FIA) Coordinator, Alabama Forestry Commission. He would like to acknowledge his predecessor in the position, Mr. Brian Hendricks, who for many years put together this report. Also, pages 3 – 35 are made possible by the Alabama Forestry Commission’s dedicated staff of FIA Foresters, who gather field data from 5,500+ continuous forest inventory plots located across the state.