



FOREST RESOURCE REPORT 2014

ALABAMA FORESTRY COMMISSION

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FOREST RESOURCE REPORT 2014

By
Alabama Forestry Commission (AFC)

This report contains several economic status indicators of the forest resources and forest industry in Alabama for 2014. Included in this report are the following indicators:

- 2014 Timberland Acreage by Forest Type and AFC Region
- 2014 Timberland Acreage by Forest Stand Size and AFC Region
- 2014 Timber Volume by Species Group and AFC Region
- 2014 Average Annual Net Timber Growth by Major Species Group and AFC Region
- 2014 Average Annual Timber Harvest Removals by Major Species Group and AFC Region
- 2014 Timber Harvests Volume by County
- 2014 Timber Price Trends
- 2013 Timber and other Agricultural Commodities Rankings (*latest statistics available*)
- 2010 Forest Industry Statistics (*latest statistics available*)
- 2014 Forest Products Investments in New & 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 7% of Alabama's timberland while 87% is owned by the non-industrial private sector.
- Alabama forests are comprised of 43% hardwood stands, 43% softwood stands (mostly pine) and 14% mixed hardwood/pine stands.

TIMBERLAND ACRES BY FOREST TYPE - NORTH REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
<i>Acres</i>				
Colbert	223,864	46,233	16,833	160,798
DeKalb	177,914	52,128	24,241	101,545
Franklin	300,356	105,080	33,163	162,114
Jackson	441,768	24,751	26,975	390,043
Lauderdale	173,594	31,492	3,871	138,232
Lawrence	207,303	50,782	28,826	127,695
Limestone	94,918	2,298	2,971	89,649
Madison	188,800	27,655	22,843	138,303
Marion	367,269	189,205	40,763	137,301
Marshall	146,415	31,336	16,485	98,594
Morgan	191,411	24,442	18,987	147,982
Winston	312,515	115,758	53,720	143,037
Total	2,826,127	701,160	289,678	1,835,293

TIMBERLAND ACRES BY FOREST TYPE - NORTHWEST REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
<i>Acres</i>				
Bibb	317,611	136,996	65,164	115,451
Dallas	433,998	168,331	51,157	214,509
Fayette	344,493	153,020	46,941	144,531
Greene	330,787	125,329	41,508	163,952
Hale	284,943	132,319	21,826	130,797
Lamar	335,686	131,398	31,711	172,577
Perry	350,119	181,913	55,948	112,258
Pickens	479,417	225,708	61,947	191,762
Sumter	448,099	197,725	49,616	200,759
Tuscaloosa	692,934	278,374	101,629	312,930
Walker	391,179	165,938	59,463	165,779
Total	4,409,266	1,897,051	586,910	1,925,305

TIMBERLAND ACRES BY FOREST TYPE - NORTHEAST REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
Acres				
Blount	235,940	107,424	33,610	94,906
Calhoun	195,559	65,270	37,197	93,093
Cherokee	251,395	98,037	50,048	103,310
Clay	298,145	87,550	65,012	145,583
Cleburne	255,144	99,729	58,826	96,588
Cullman	238,469	73,217	17,248	148,004
Etowah	186,155	61,542	30,273	94,339
Jefferson	405,997	160,798	84,275	160,925
Randolph	282,413	128,996	32,713	120,705
St. Clair	303,718	91,193	59,262	153,264
Shelby	350,888	166,452	53,737	130,699
Talladega	304,359	141,389	47,323	115,645
Total	3,308,182	1,281,597	569,524	1,457,061

TIMBERLAND ACRES BY FOREST TYPE - EAST CENTRAL REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
Acres				
Autauga	305,711	165,159	22,356	118,197
Chambers	312,718	188,203	17,643	106,872
Chilton	318,580	109,387	53,739	155,456
Coosa	380,459	193,550	25,796	161,112
Elmore	250,673	116,997	32,219	101,457
Lee	259,836	127,853	63,829	68,152
Lowndes	313,477	148,336	38,977	126,164
Macon	332,915	159,993	35,225	137,698
Montgomery	254,537	62,520	47,002	145,016
Russell	307,497	144,123	35,381	127,994
Tallapoosa	393,491	180,359	68,086	145,046
Total	3,429,894	1,596,480	440,253	1,393,164

TIMBERLAND ACRES BY FOREST TYPE - SOUTHWEST REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
Acres				
Baldwin	736,807	397,516	108,629	230,662
Choctaw	529,264	279,064	80,559	169,642
Clarke	746,693	398,555	115,546	232,592
Conecuh	452,911	234,473	64,768	153,670
Escambia	470,663	282,539	65,914	122,210
Marengo	464,724	207,421	48,506	208,796
Mobile	484,407	211,574	56,387	216,448
Monroe	577,076	303,255	81,328	192,492
Washington	638,138	336,395	99,608	202,134
Wilcox	510,597	268,686	70,168	171,744
Total	5,611,280	2,919,478	791,413	1,900,390

TIMBERLAND ACRES BY FOREST TYPE - SOUTHEAST REGION

County	Total	Softwoods	Hardwood/Pine	Hardwoods
<i>Acres</i>				
Barbour	428,671	196,774	56,591	175,306
Bullock	323,388	144,688	58,628	120,072
Butler	414,740	244,392	35,699	134,650
Coffee	234,488	76,796	43,230	114,462
Covington	492,107	287,082	79,096	125,928
Crenshaw	321,485	144,031	37,855	139,598
Dale	258,282	92,678	42,401	123,204
Geneva	215,809	86,799	24,379	104,632
Henry	260,738	133,433	28,059	99,246
Houston	184,192	57,751	42,547	83,894
Pike	310,511	139,716	33,288	137,508
Total	3,444,411	1,604,140	481,773	1,358,500

NOTES: Statistics come from 2014 Forest Inventory & Analysis (FIA) data.

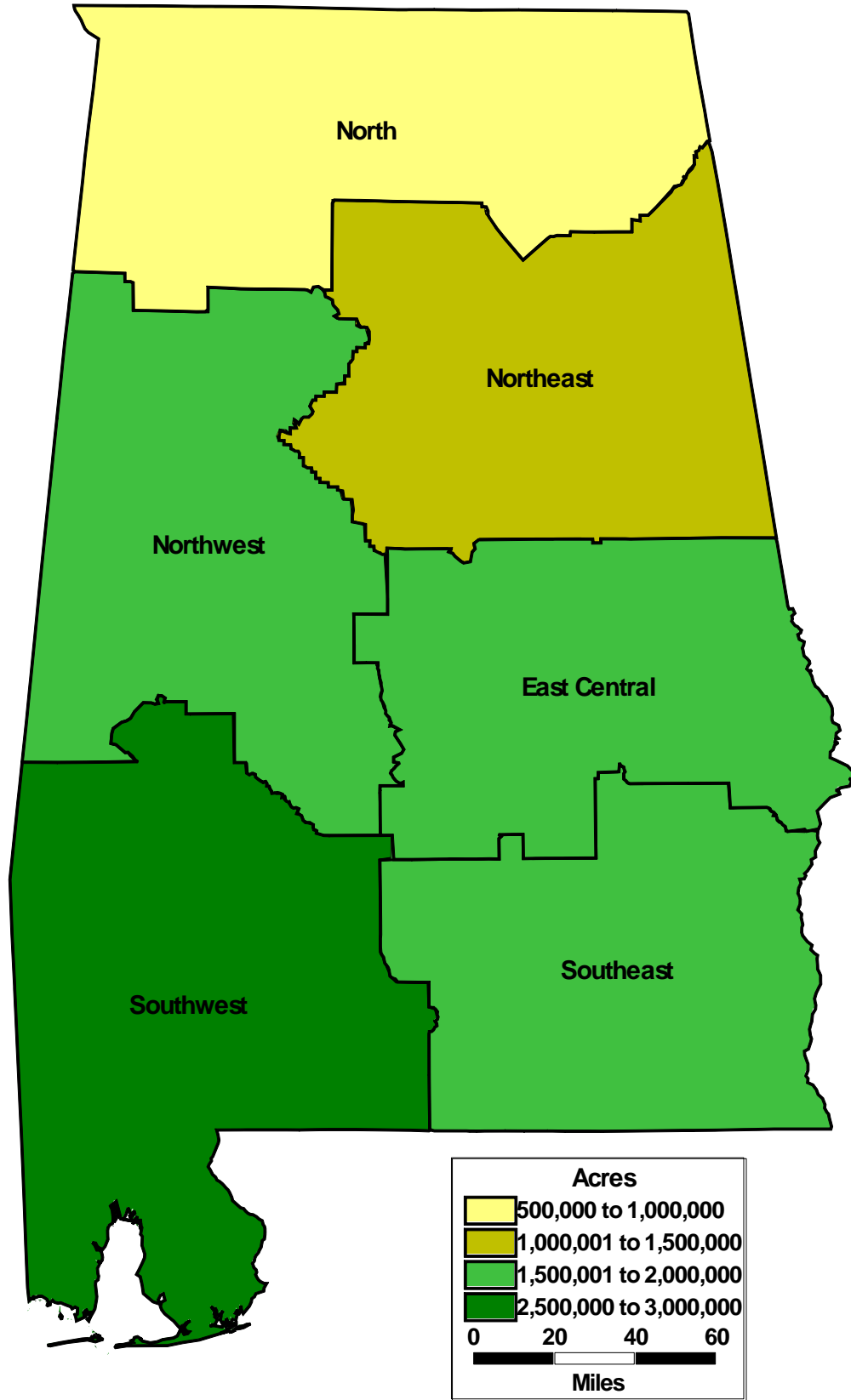
A very small portion (<1%) of timberland acreage is classified as “non-stocked” by FIA guidelines. The “non-stocked” acres have been included in the “hardwood/pine” category.

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.

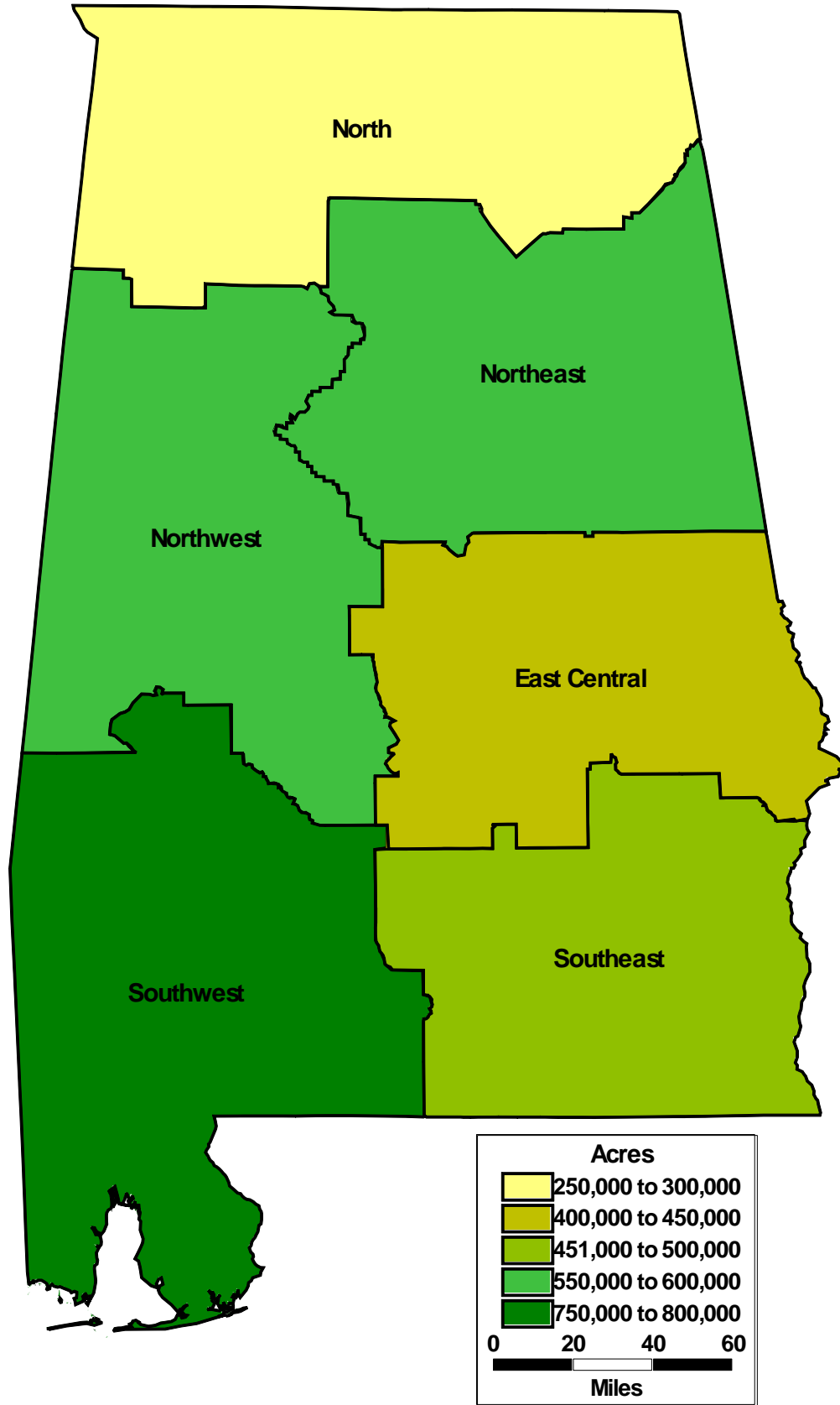
Numbers in rows and columns may not sum due to rounding.

***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.**

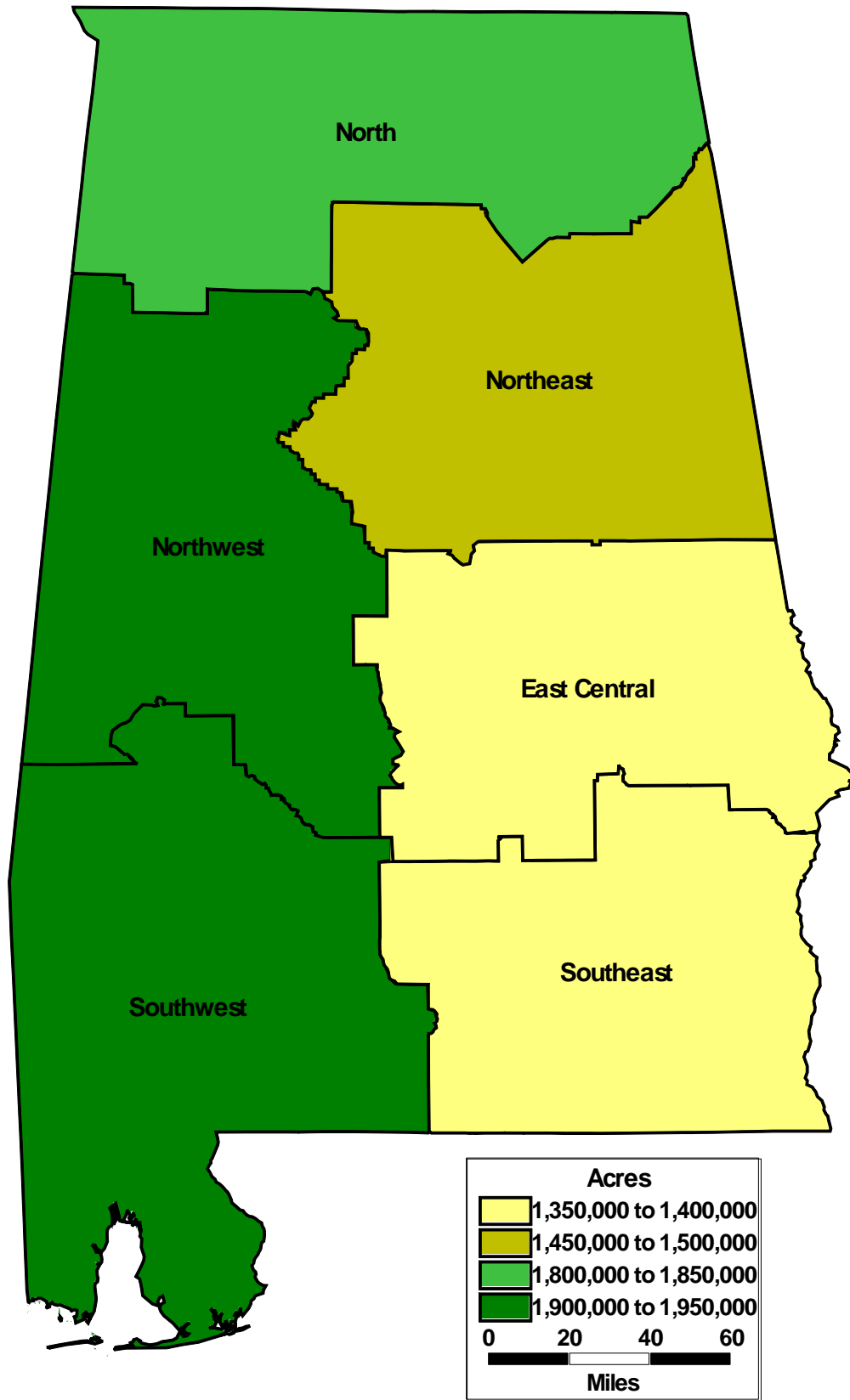
Timberland Acres by AFC Region and Forest Type Group - SOFTWOODS



Timberland Acres by AFC Region and Forest Type Group - MIXED



Timberland Acres by AFC Region and Forest Type Group - HARDWOODS



- Sawtimber-sized stands comprise 48% of Alabama’s timberland, while 28% of forest stands are comprised of mostly pulpwood-sized timber. Seedling/sapling-sized stands account for the remaining 24% of timberland acreage.

TIMBERLAND ACRES BY FOREST STAND SIZE - NORTH REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Colbert	223,864	98,091	85,336	40,436
DeKalb	177,914	110,801	48,068	19,045
Franklin	300,356	125,597	131,210	43,549
Jackson	441,768	295,352	99,709	46,707
Lauderdale	173,594	96,147	57,015	20,432
Lawrence	207,303	115,438	55,485	36,380
Limestone	94,918	62,112	10,490	22,316
Madison	188,800	152,419	20,822	15,559
Marion	367,269	139,794	149,135	78,340
Marshall	146,415	100,247	10,860	35,308
Morgan	191,411	130,284	32,867	28,260
Winston	312,515	156,414	76,905	79,195
Total	2,826,127	1,582,696	777,902	465,527

TIMBERLAND ACRES BY FOREST STAND SIZE - NORTHWEST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Bibb	317,611	155,849	69,794	91,968
Dallas	433,998	205,633	119,577	108,787
Fayette	344,493	104,951	138,322	101,220
Greene	330,787	153,282	79,175	98,331
Hale	284,943	156,658	64,546	63,739
Lamar	335,686	151,589	107,749	76,348
Perry	350,119	167,408	72,923	109,789
Pickens	479,417	168,038	149,388	161,992
Sumter	448,099	200,057	118,731	129,312
Tuscaloosa	692,934	345,889	180,466	166,579
Walker	391,179	183,360	115,736	92,083
Total	4,409,266	1,992,714	1,216,407	1,200,148

TIMBERLAND ACRES BY FOREST STAND SIZE - NORTHEAST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Blount	235,940	110,478	59,644	65,818
Calhoun	195,559	96,680	55,048	43,831
Cherokee	251,395	139,453	55,388	56,553
Clay	298,145	140,896	113,677	43,571
Cleburne	255,144	154,777	73,149	27,217
Cullman	238,469	94,709	93,597	50,163
Etowah	186,155	126,432	24,849	34,874
Jefferson	405,997	213,412	102,375	90,210
Randolph	282,413	144,339	70,758	67,316
St. Clair	303,718	172,775	83,944	46,999
Shelby	350,888	174,208	100,785	75,895
Talladega	304,359	151,205	80,995	72,159
Total	3,308,182	1,719,364	914,209	674,606

TIMBERLAND ACRES BY FOREST STAND SIZE - EAST CENTRAL REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Autauga	305,711	123,594	99,817	82,301
Chambers	312,718	151,642	94,152	66,925
Chilton	318,580	132,983	120,548	65,049
Coosa	380,459	149,601	134,586	96,271
Elmore	250,673	137,827	78,848	33,998
Lee	259,836	132,626	61,654	65,555
Lowndes	313,477	176,237	75,032	62,208
Macon	332,915	208,048	52,273	72,595
Montgomery	254,537	159,271	32,213	63,053
Russell	307,497	133,478	88,323	85,696
Tallapoosa	393,491	171,377	144,618	77,497
Total	3,429,894	1,676,684	982,064	771,148

TIMBERLAND ACRES BY FOREST STAND SIZE - SOUTHWEST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Baldwin	736,807	295,472	250,944	190,390
Choctaw	529,264	241,875	112,242	175,148
Clarke	746,693	380,544	155,082	211,068
Conecuh	452,911	192,957	125,449	134,505
Escambia	470,663	108,313	136,522	225,828
Marengo	464,724	200,934	133,707	130,083
Mobile	484,407	218,330	95,544	170,533
Monroe	577,076	233,933	150,279	192,864
Washington	638,138	292,016	221,840	124,283
Wilcox	510,597	227,786	148,309	134,501
Total	5,611,280	2,392,160	1,529,918	1,689,203

TIMBERLAND ACRES BY FOREST STAND SIZE - SOUTHEAST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Barbour	428,671	188,375	109,974	130,323
Bullock	323,388	168,237	81,525	73,626
Butler	414,740	195,346	127,354	92,041
Coffee	234,488	83,386	82,151	68,951
Covington	492,107	233,696	159,942	98,468
Crenshaw	321,485	189,468	63,988	68,029
Dale	258,282	135,281	55,520	67,482
Geneva	215,809	96,637	72,892	46,279
Henry	260,738	94,792	93,783	72,163
Houston	184,192	92,323	59,642	32,227
Pike	310,511	153,585	82,246	74,679
Total	3,444,411	1,631,126	989,017	824,268

NOTES: Statistics come from 2014 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:

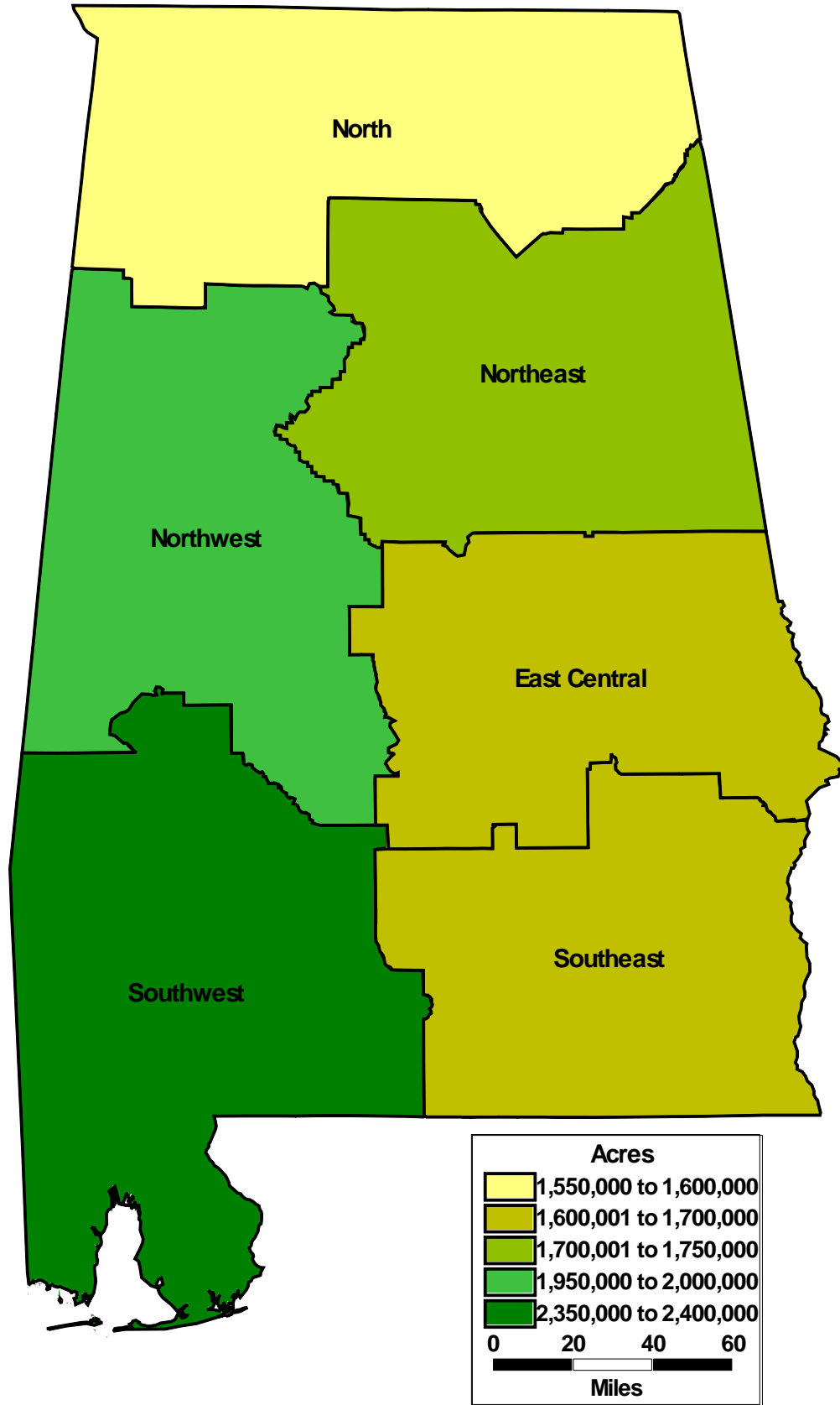
In a stand where seedlings/saplings make up over 50% of the crown cover **but less than 67%**, stand size is determined by the predominance of either pulpwood-sized trees or sawtimber-sized trees. EXAMPLE: In a two-storied pine shelterwood stand comprised of sawtimber and pulpwood-sized trees in the 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 (<1%) of timberland acreage is classified as “non-stocked” by FIA guidelines. The “non-stocked” acres have been included in the “seedling/sapling” category.

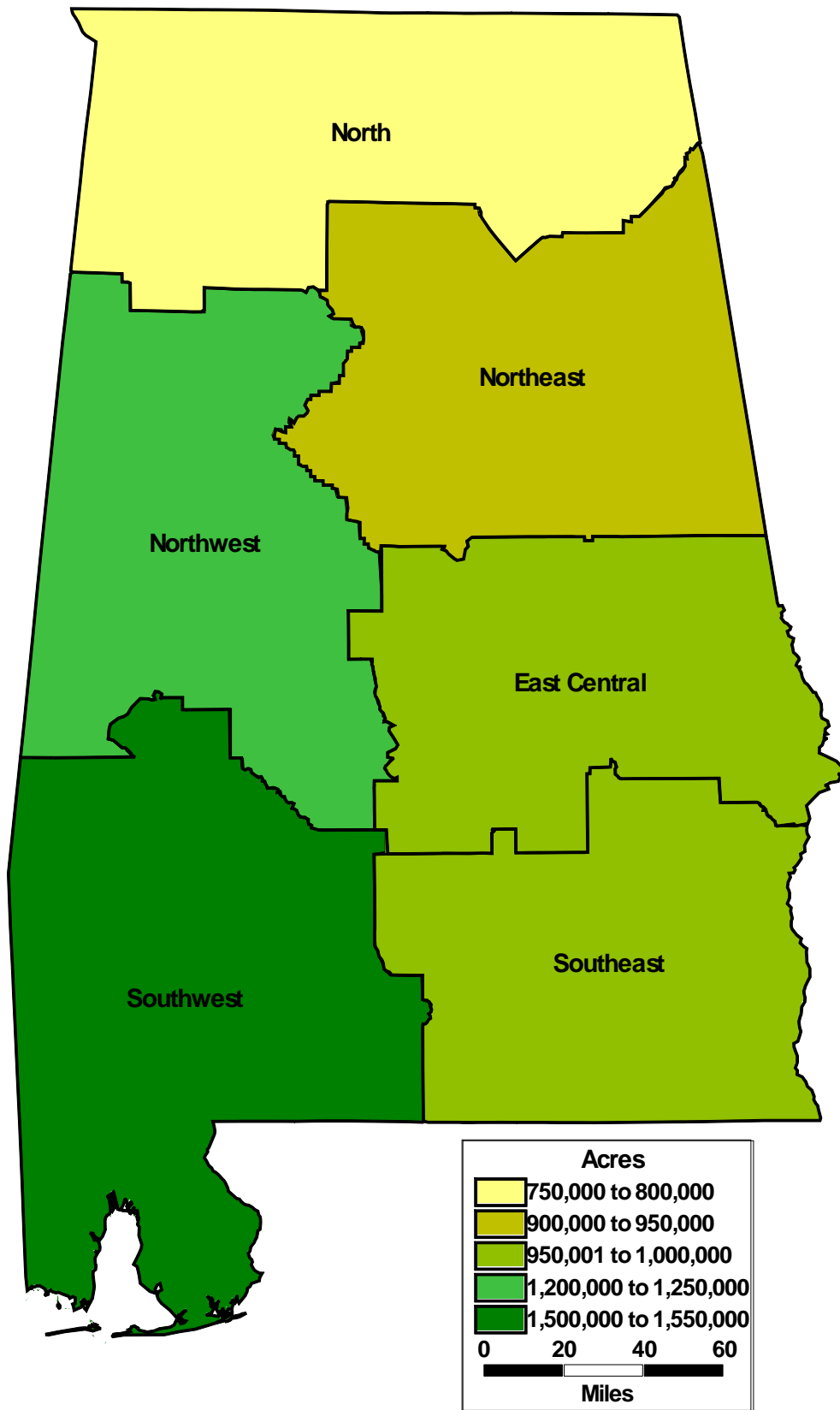
A tract of timberland is classified as “non-stocked” if at the time the FIA plot was inventoried there was <10% stocking of trees. This situation occurs on sites that have recently been clearcut.

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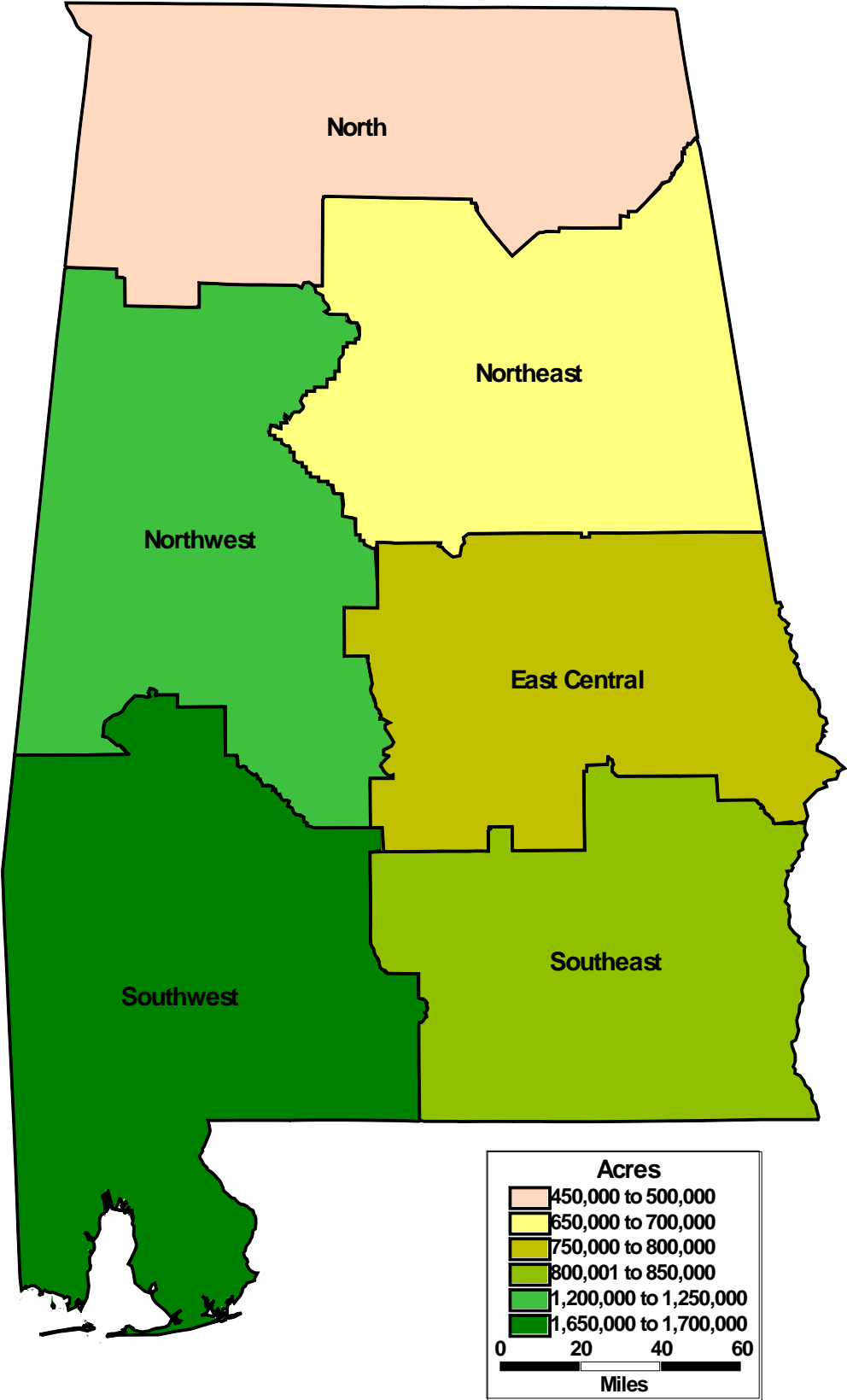
Timberland Acres by AFC Region and Stand Size - SAWTIMBER



Timberland Acres by AFC Region and Stand Size - PULPWOOD



Timberland Acres by AFC Region and Stand Size - SEEDLING/SAPLING



Timber Volume

- There are 585.4 million tons of softwood growing stock volume and 588.3 million tons of hardwood growing stock volume in Alabama.
- Since 2000 total growing stock volume (tons) has increased by 18.7%; softwood volume has increased by 31.1% and hardwood volume has increased by 7.6%.
- There are approximately 953.3 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 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 inch 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 20.5% 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; 53.3% more than the Northwest Region which ranks second.
- The North Region has the most hardwood volume; 8.4% more than the Northwest Region which ranks second.

NOTE: The following charts provide growing stock volume for **prominent species groups** (not all species groups) 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.

GROWING STOCK VOLUME BY SPECIES GROUP - NORTH REGION

County	Longleaf/Slash Pine	Loblolly/Shortleaf Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>						
Colbert	-	2,329,766	1,200,720	3,170,355	1,467,570	667,546
DeKalb	-	1,427,676	2,002,193	2,353,930	593,081	1,041,876
Franklin	-	5,932,396	1,769,098	2,748,174	790,928	1,545,428
Jackson	-	824,504	5,110,833	8,037,246	1,478,935	3,394,822
Lauderdale	-	1,147,517	1,753,793	1,804,148	1,157,152	608,530
Lawrence	-	3,530,605	1,637,735	3,430,135	769,553	242,580
Limestone	-	310,881	1,519,448	603,243	438,626	936,914
Madison	-	1,857,609	3,099,237	2,030,039	2,053,196	976,498
Marion	-	10,592,468	1,206,911	2,258,195	763,759	947,556
Marshall	-	1,634,176	1,853,940	2,170,453	739,617	601,384
Morgan	-	2,324,621	2,023,355	2,865,922	2,183,696	1,576,653
Winston	-	6,502,523	1,396,674	4,106,085	788,764	1,730,897
Total	-	38,414,741	24,573,938	35,577,925	13,224,877	14,270,683

GROWING STOCK VOLUME BY SPECIES GROUP - NORTHWEST REGION

County	Longleaf/Slash Pine	Loblolly/Shortleaf Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>						
Bibb	1,312,849	7,669,869	2,907,128	1,821,561	1,589,432	1,260,626
Dallas	101,500	6,444,298	3,607,667	640,820	2,431,819	833,379
Fayette	-	7,447,561	1,064,205	1,259,314	1,408,317	1,710,086
Greene	-	5,982,560	2,371,044	1,384,785	2,011,343	688,908
Hale	634,187	5,795,173	2,003,491	925,823	1,453,078	516,336
Lamar	-	6,953,561	2,925,344	1,129,902	2,174,396	439,246
Perry	643,223	8,750,622	1,769,789	289,230	1,101,504	1,011,644
Pickens	-	10,903,407	3,379,834	1,720,433	2,296,014	1,977,223
Sumter	-	9,700,007	4,007,594	1,631,663	2,174,135	651,171
Tuscaloosa	277,503	16,577,306	5,085,247	4,034,028	3,726,471	1,909,778
Walker	-	8,429,952	2,092,420	3,067,325	1,965,385	1,059,911
Total	2,969,262	94,654,317	31,213,762	17,904,884	22,331,893	12,058,307

GROWING STOCK VOLUME BY SPECIES GROUP - NORTHEAST REGION

County	Longleaf/Slash Pine	Loblolly/Shortleaf Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>						
Blount	-	4,847,716	1,907,831	1,984,476	895,464	450,050
Calhoun	153,673	4,040,551	1,626,064	1,977,271	1,535,744	304,179
Cherokee	93,660	5,648,051	1,796,903	2,668,183	892,485	104,135
Clay	1,348,125	7,215,203	2,386,922	2,366,700	1,375,140	1,240,832
Cleburne	37,813	8,095,945	1,686,560	2,759,694	757,653	1,465,396
Cullman	-	3,658,643	1,088,565	1,814,793	1,108,518	2,476,040
Etowah	-	3,855,872	1,285,482	2,292,155	813,649	1,411,433
Jefferson	754,448	10,383,315	2,711,937	2,655,422	2,350,914	2,105,425
Randolph	161,706	8,097,756	1,362,076	1,193,838	1,040,719	2,244,775
St. Clair	72,600	7,545,780	2,750,689	3,140,132	1,527,491	980,821
Shelby	604,834	8,332,169	3,053,651	2,555,189	1,189,242	545,098
Talladega	1,472,867	9,036,199	2,041,280	1,103,570	1,144,125	424,436
Total	4,699,724	80,757,200	23,697,960	26,511,424	14,631,144	13,752,619

GROWING STOCK VOLUME BY SPECIES GROUP - EAST CENTRAL REGION

County	Longleaf/Slash Pine	Loblolly/Shortleaf Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>						
Autauga	564,520	6,485,731	1,634,892	568,737	900,645	1,037,088
Chambers	-	9,751,138	1,397,815	928,529	1,422,061	1,243,082
Chilton	459,205	5,937,007	1,924,027	1,364,989	1,031,010	1,266,403
Coosa	747,293	10,238,870	2,034,640	1,325,859	994,902	1,310,236
Elmore	295,417	6,390,491	1,805,810	416,629	1,434,791	893,637
Lee	-	8,867,872	1,955,134	435,732	2,229,248	1,013,220
Lowndes	-	7,896,201	1,556,463	399,342	1,261,005	59,118
Macon	309,528	7,926,099	3,006,025	1,412,541	2,057,710	1,018,941
Montgomery	-	3,388,406	3,160,086	635,037	2,025,568	295,628
Russell	-	4,951,895	3,080,330	377,934	1,664,146	1,006,730
Tallapoosa	144,947	11,625,262	2,347,816	1,217,367	2,003,044	1,885,968
Total	2,520,911	83,458,971	23,903,038	9,082,696	17,024,130	11,030,050

GROWING STOCK VOLUME BY SPECIES GROUP - SOUTHWEST REGION

County	Longleaf/Slash Pine	Loblolly/Shortleaf Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>						
Baldwin	11,529,596	6,410,283	3,145,897	374,686	413,546	1,165,643
Choctaw	240,908	17,041,916	2,172,855	1,321,212	4,281,367	883,040
Clarke	468,815	18,654,377	4,112,026	1,054,203	3,157,069	950,544
Conecuh	222,975	11,622,411	2,047,785	632,954	821,233	1,101,270
Escambia	5,631,762	5,553,505	1,525,522	-	517,458	588,557
Marengo	58,233	10,285,315	4,648,657	847,835	2,793,140	1,379,893
Mobile	8,555,014	2,889,132	1,623,167	164,127	437,823	345,765
Monroe	886,948	13,516,567	2,566,075	1,120,923	3,186,656	491,112
Washington	8,623,510	11,940,721	4,032,384	603,008	1,364,160	1,396,695
Wilcox	-	12,391,889	3,325,973	922,145	2,885,617	591,246
Total	36,217,761	110,306,118	29,200,340	7,041,095	19,858,069	8,893,766

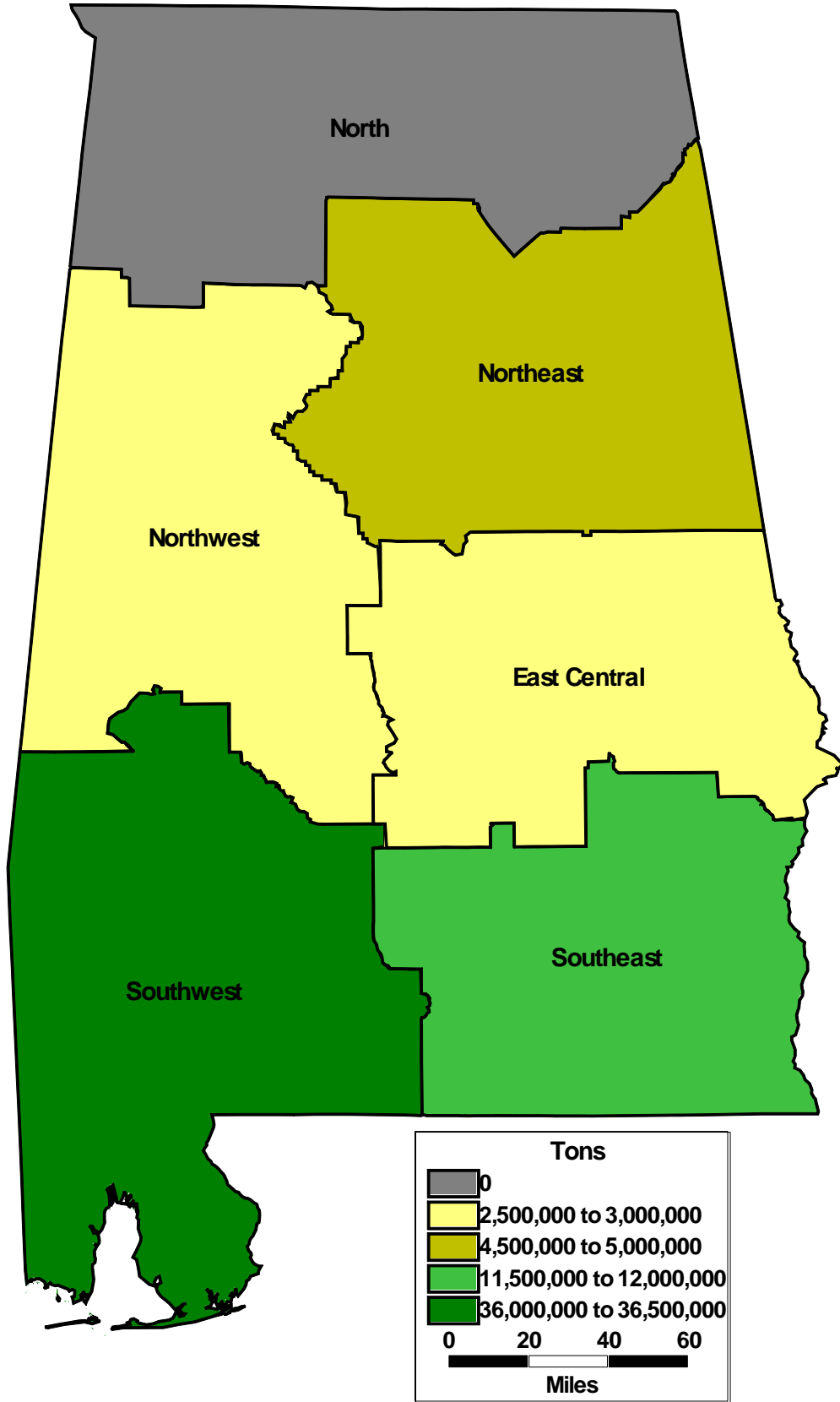
GROWING STOCK VOLUME BY SPECIES GROUP - SOUTHEAST REGION

County	Longleaf/Slash Pine	Loblolly/Shortleaf Pine	Red Oak	White Oak	Sweetgum	Yellow-poplar
<i>Tons</i>						
Barbour	429,298	11,079,578	2,569,111	1,075,627	1,809,933	465,667
Bullock	-	8,251,276	2,811,544	186,491	1,048,458	714,189
Butler	-	13,518,562	1,894,218	311,352	1,259,390	1,365,122
Coffee	28,619	5,104,911	1,770,389	175,618	220,198	576,015
Covington	7,095,979	9,262,398	2,643,662	364,250	627,509	1,224,656
Crenshaw	190,448	8,582,804	2,219,589	397,679	1,258,468	1,396,668
Dale	387,688	4,950,203	4,142,451	273,555	1,314,315	1,405,527
Geneva	2,319,076	4,053,849	1,756,447	434,032	383,918	709,036
Henry	313,024	5,435,945	2,205,886	115,482	593,841	847,859
Houston	614,855	3,258,747	1,921,740	240,114	415,165	879,405
Pike	403,595	8,533,410	2,276,062	653,338	942,756	930,728
Total	11,782,581	82,031,685	26,211,100	4,227,538	9,873,951	10,514,872

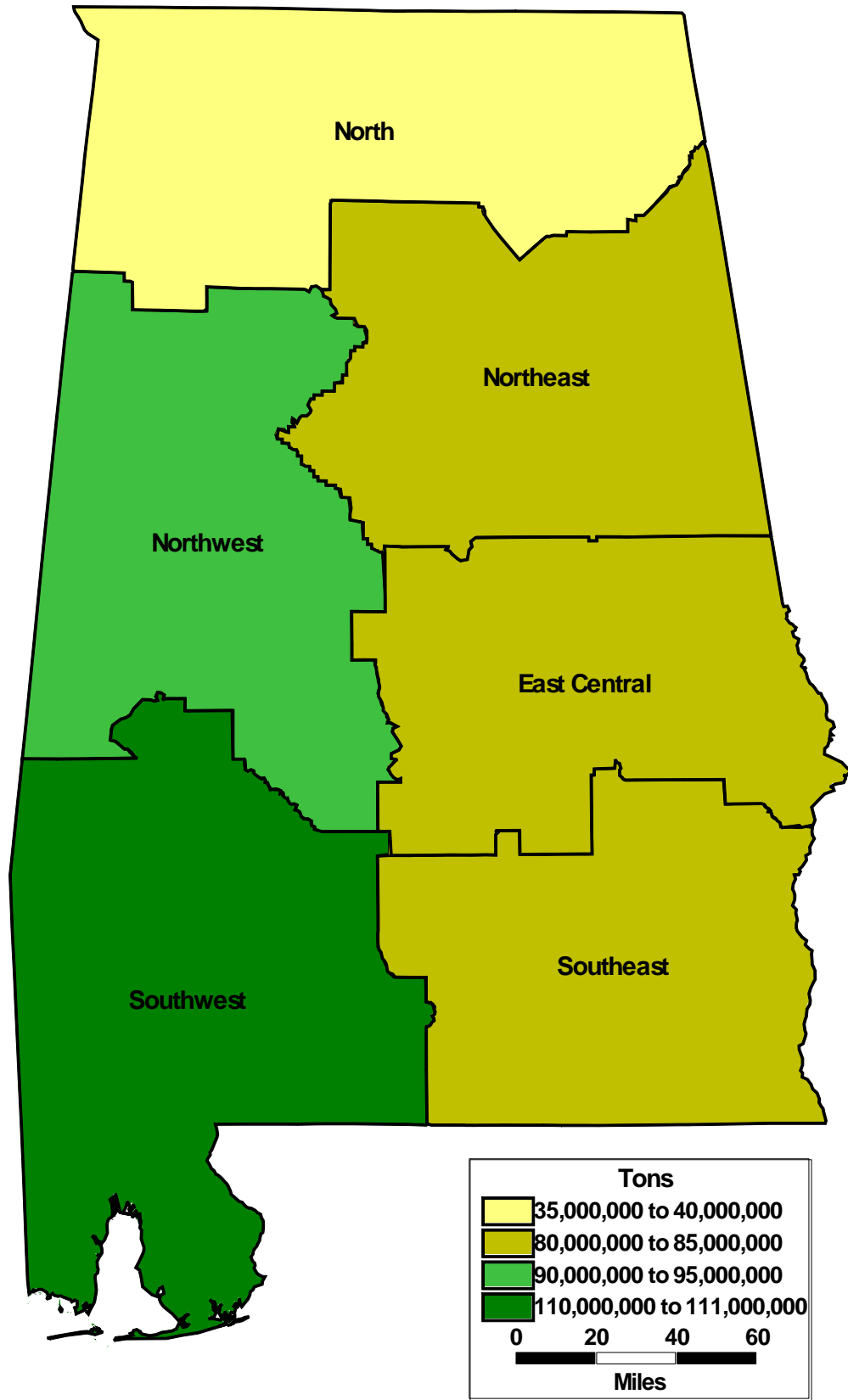
NOTES: Statistics come from 2014 Forest Inventory & Analysis (FIA) data.

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

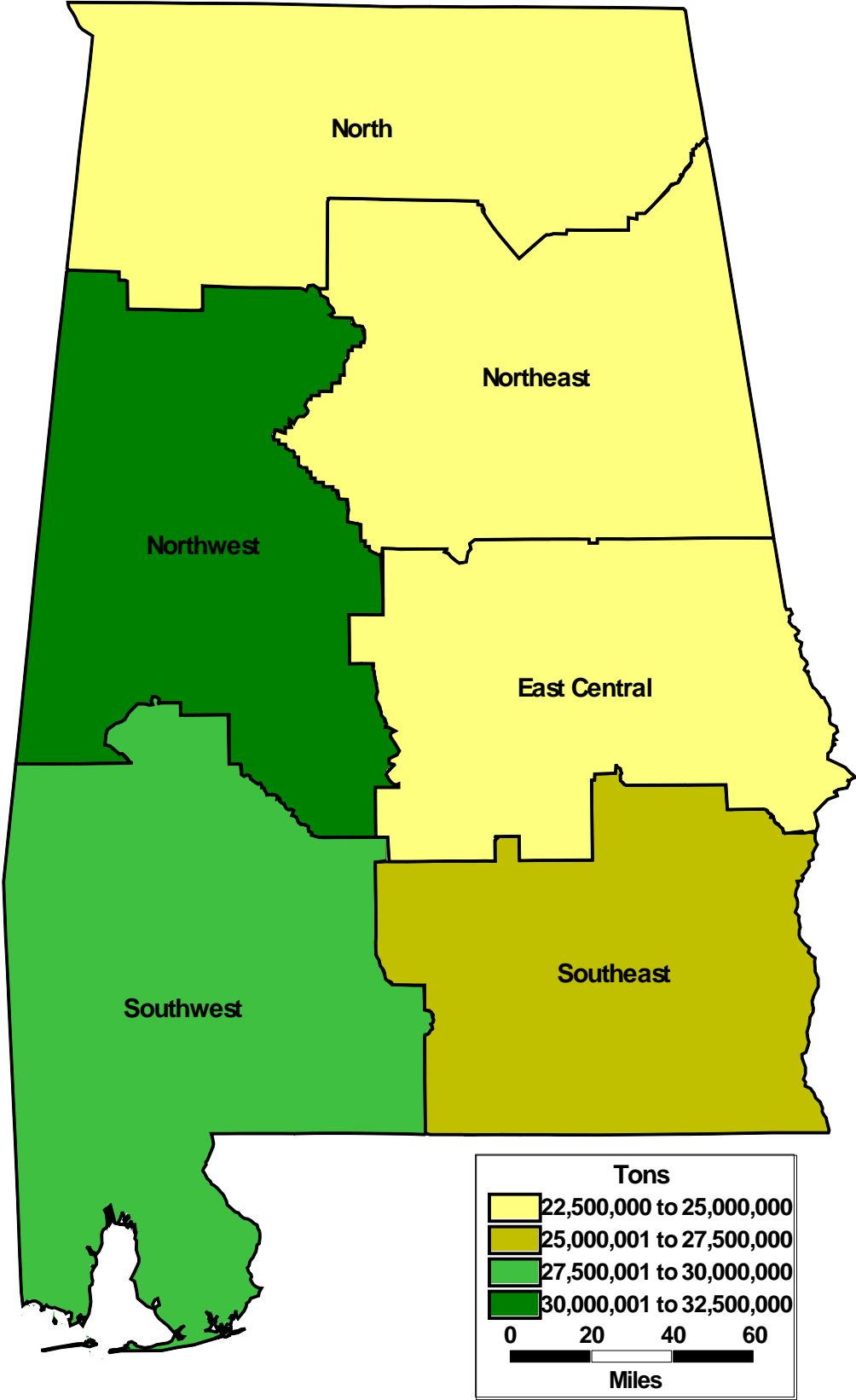
Growing Stock Volume by AFC Region and Species Group - LONGLEAF/SLASH PINE



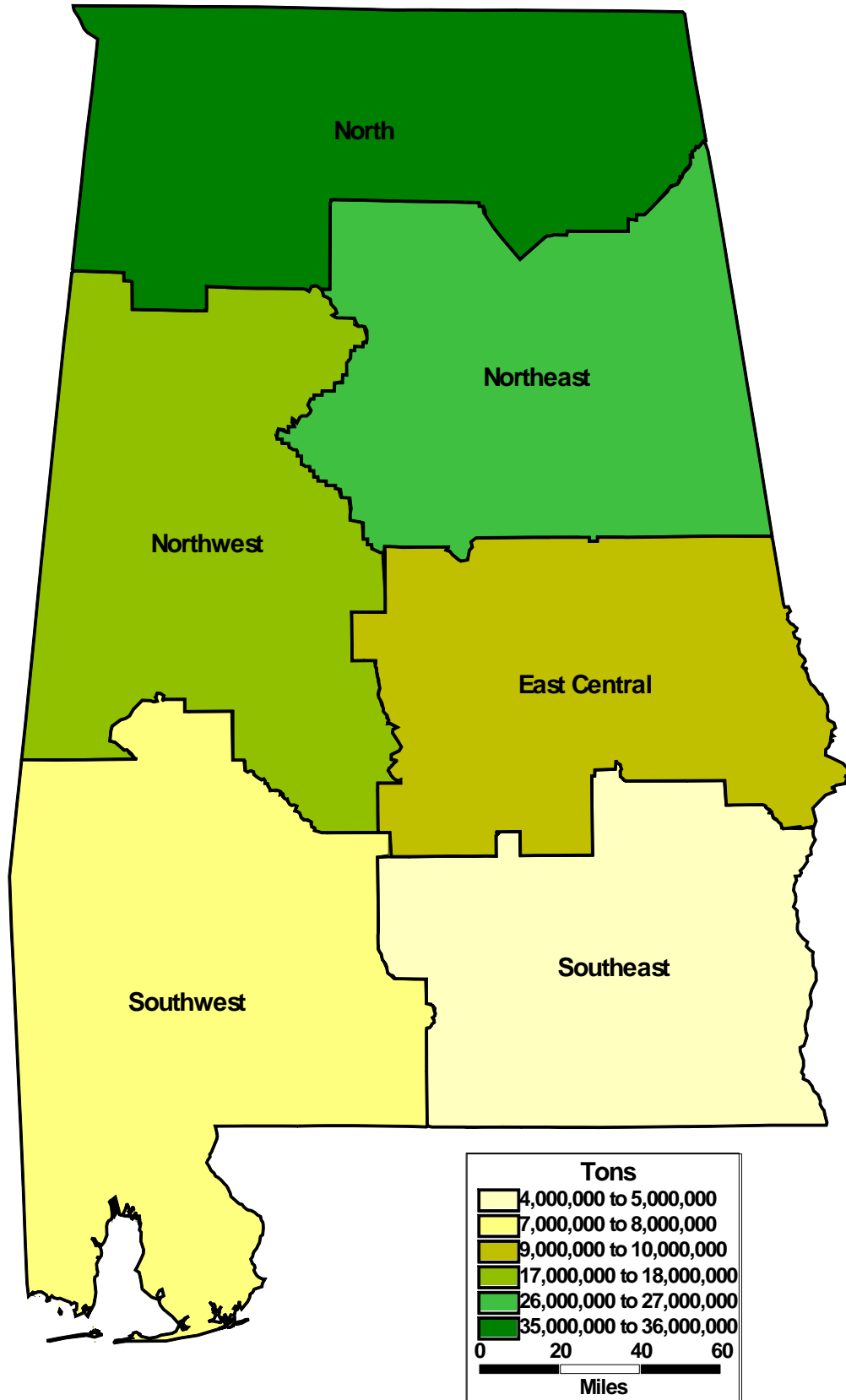
Growing Stock Volume by AFC Region and Species Group - LOBLOLLY/SHORTLEAF PINE



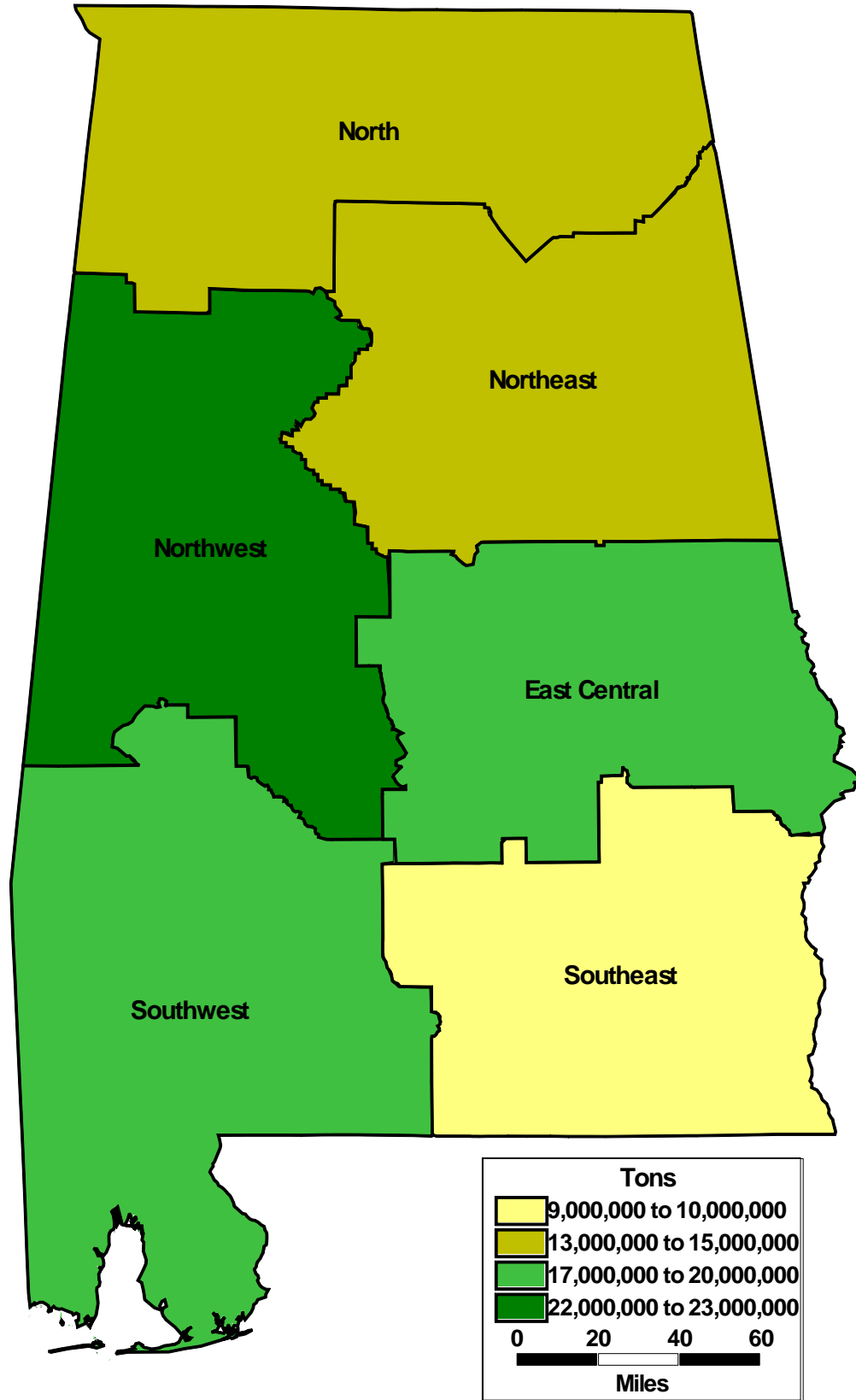
Growing Stock Volume by AFC Region and Species Group - RED OAK



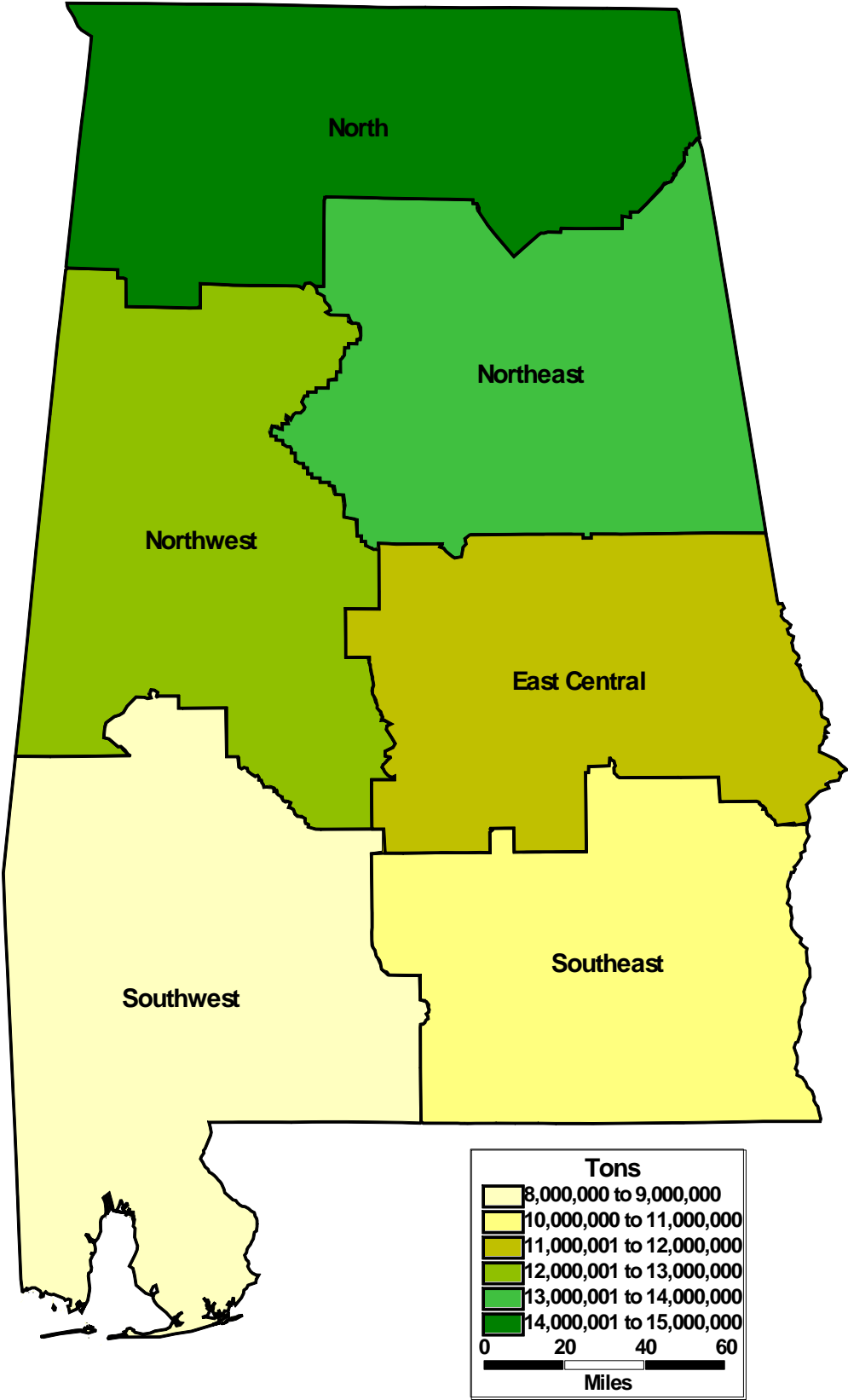
Growing Stock Volume by AFC Region and Species Group - WHITE OAK



Growing Stock Volume by AFC Region and Species Group - SWEETGUM



Growing Stock Volume by AFC Region and Species Group - YELLOW-POPLAR



Timber Net Growth (total growth minus mortality) - Period 2001 to 2014

- For the time period 2001 to 2014, softwood net growth amounted to 44.8 million tons annually and net growth for hardwoods was 18.2 million tons annually.
- As was the case for total volume, net growth volume of softwoods was greatest in the Southwest Region and net growth volume of hardwoods was greatest in the North Region.

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY MAJOR SPECIES GROUP

NORTH REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Colbert	533,831	204,504	329,326
DeKalb	427,808	193,548	234,260
Franklin	895,078	674,339	220,739
Jackson	869,595	157,592	712,003
Lauderdale	428,620	122,998	305,621
Lawrence	334,236	190,847	143,390
Limestone	245,524	24,853	220,671
Madison	502,154	68,694	433,460
Marion	1,317,800	1,068,006	249,794
Marshall	268,848	87,535	181,312
Morgan	527,686	156,629	371,056
Winston	845,024	539,791	305,234
Total	7,196,203	3,489,336	3,706,866

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY MAJOR SPECIES GROUP

NORTHWEST REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Bibb	726,925	481,941	244,984
Dallas	855,427	629,634	225,794
Fayette	1,043,106	707,070	336,037
Greene	665,771	436,413	229,358
Hale	690,057	565,852	124,205
Lamar	1,298,653	782,240	516,413
Perry	1,013,604	818,074	195,530
Pickens	1,533,731	1,135,957	397,774
Sumter	1,025,492	719,565	305,928
Tuscaloosa	2,036,587	1,378,199	658,388
Walker	1,080,194	780,908	299,286
Total	11,969,547	8,435,852	3,533,695

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY
MAJOR SPECIES GROUP

NORTHEAST REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Blount	516,902	408,520	108,383
Calhoun	448,370	304,352	144,018
Cherokee	648,126	483,887	164,239
Clay	938,588	582,931	355,657
Cleburne	791,759	554,256	237,503
Cullman	696,654	353,830	342,824
Etowah	555,604	323,963	231,642
Jefferson	1,107,417	809,922	297,495
Randolph	845,723	571,874	273,850
St. Clair	802,128	533,904	268,224
Shelby	1,089,624	708,162	381,462
Talladega	1,036,063	802,465	233,598
Total	9,476,959	6,438,064	3,038,896

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY
MAJOR SPECIES GROUP

EAST CENTRAL REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	868,827	670,678	198,149
Chambers	1,110,781	893,577	217,203
Chilton	842,796	564,243	278,553
Coosa	1,244,293	931,148	313,145
Elmore	773,119	575,256	197,864
Lee	908,204	671,904	236,300
Lowndes	976,474	758,930	217,543
Macon	716,533	425,025	291,508
Montgomery	549,173	270,228	278,945
Russell	783,576	561,264	222,312
Tallapoosa	1,435,899	1,044,148	391,751
Total	10,209,674	7,366,401	2,843,273

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY
MAJOR SPECIES GROUP

SOUTHWEST REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Baldwin	1,481,922	1,261,245	220,677
Choctaw	1,668,730	1,334,015	334,715
Clarke	1,862,477	1,459,567	402,910
Conecuh	1,266,254	1,084,369	181,885
Escambia	1,007,741	921,922	85,819
Marengo	1,330,485	1,006,564	323,922
Mobile	873,860	672,277	201,583
Monroe	1,298,154	1,105,433	192,722
Washington	1,765,408	1,442,789	322,619
Wilcox	1,405,796	1,165,411	240,385
Total	13,960,828	11,453,591	2,507,237

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY
MAJOR SPECIES GROUP

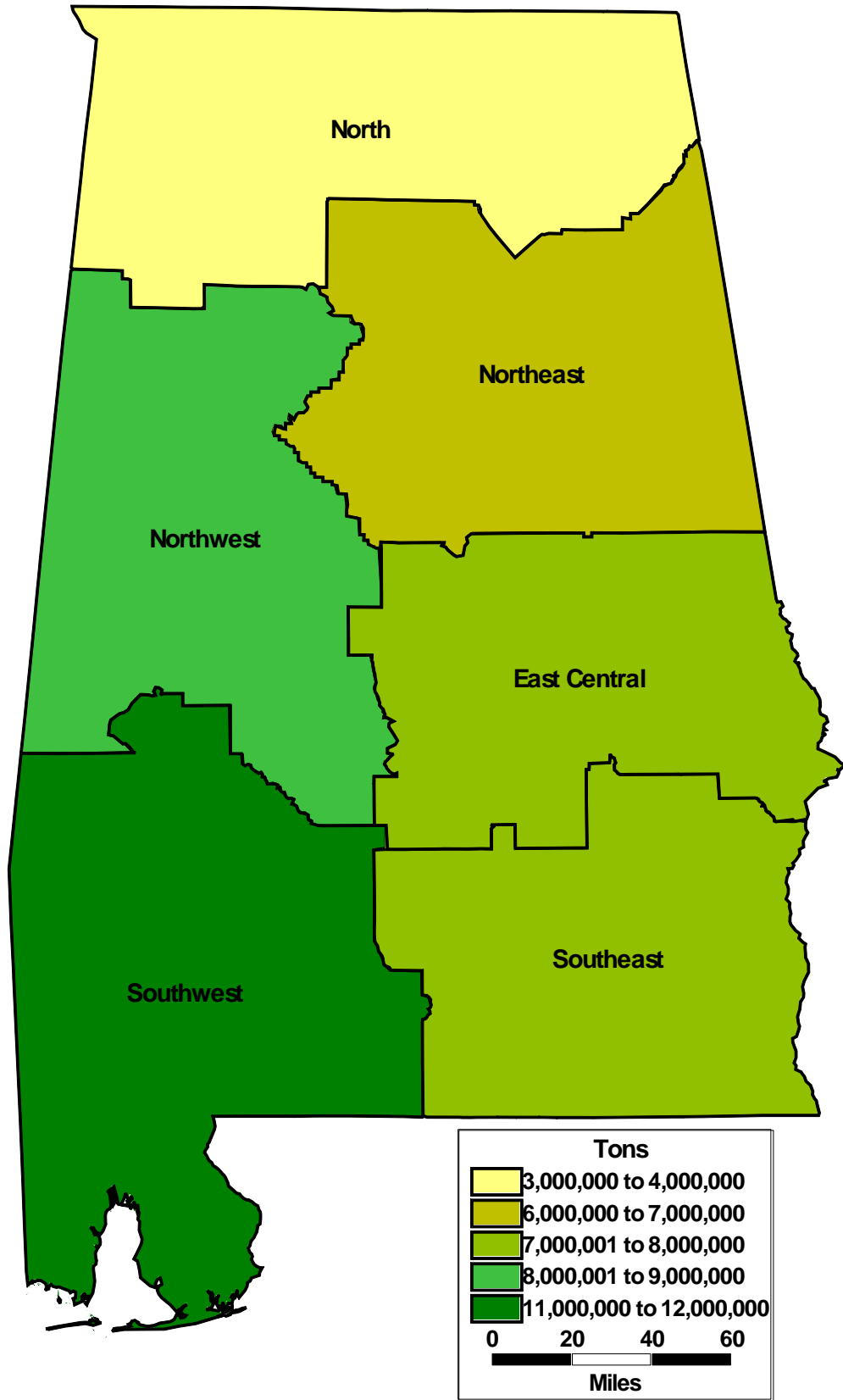
SOUTHEAST REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Barbour	1,369,881	1,035,351	334,531
Bullock	967,932	738,537	229,394
Butler	1,636,116	1,323,597	312,519
Coffee	696,919	491,307	205,612
Covington	1,258,697	1,034,988	223,709
Crenshaw	1,030,150	770,131	260,019
Dale	707,482	419,458	288,024
Geneva	360,938	239,337	121,600
Henry	671,387	469,124	202,264
Houston	429,455	348,873	80,582
Pike	1,071,099	775,170	295,929
Total	10,200,055	7,645,872	2,554,183

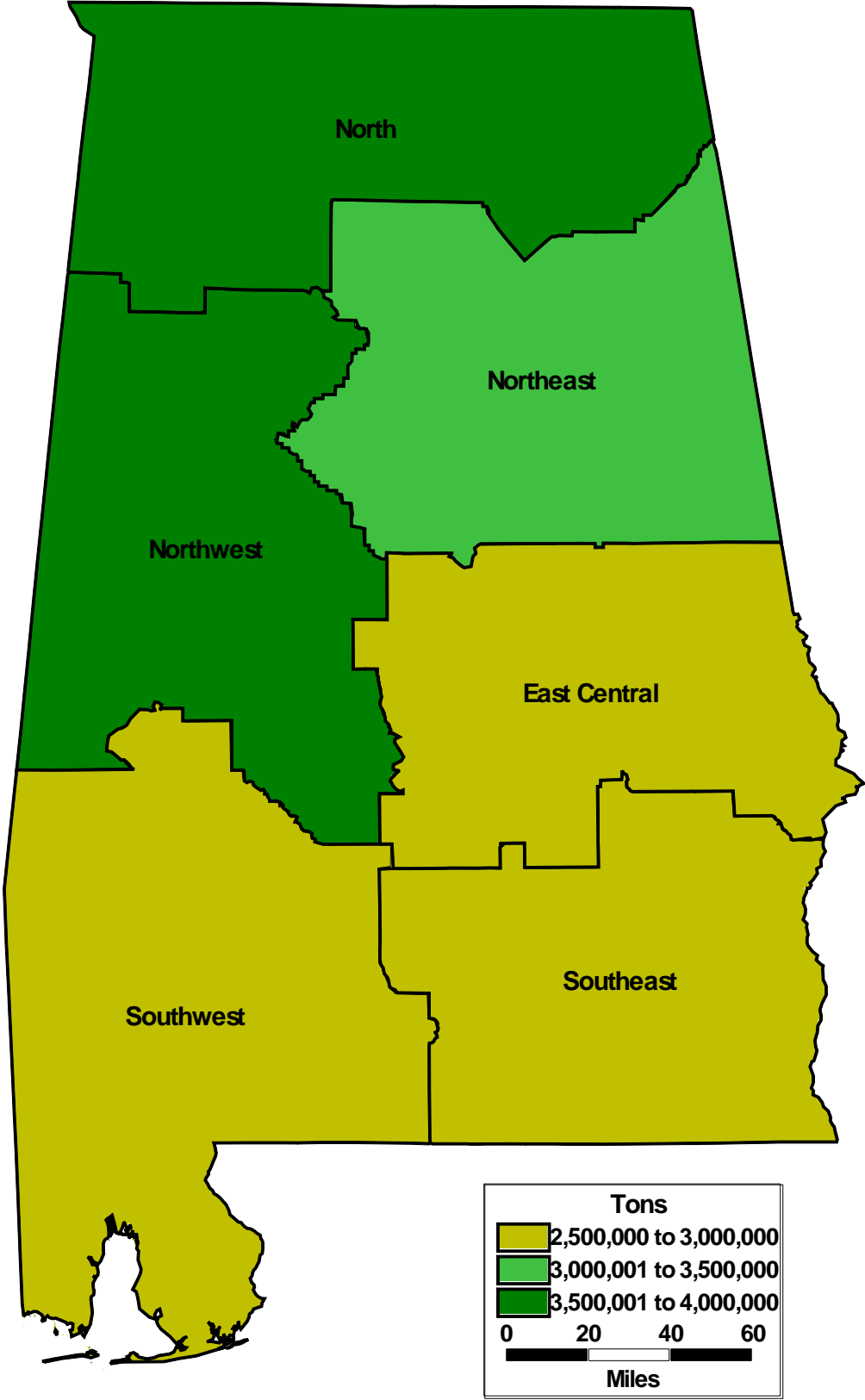
NOTE: Statistics come from 2014 Forest Inventory & Analysis (FIA) data.

Numbers in rows and columns may not sum due to rounding

**Average Annual Net Growth by AFC Region and Species Group - SOFTWOODS
(Period 2001 - 2014)**



Average Annual Net Growth by AFC Region and Species Group - HARDWOODS
(Period 2001 - 2014)



Timber Harvest Removals - Period 2001 to 2014

- Softwood volume removed annually as a result of harvesting during the 2001 to 2014 time period amounted to 30.4 million tons. Based on the total timber volume in Alabama in 2014, approximately 5.2% of total pine volume was harvested annually during the 2001 to 2014 period. Hardwood volume removed annually averaged 10.1 million tons. Using the same criteria as above approximately 1.7% of total hardwood volume was harvested annually from 2001 to 2014.
- The Southwest Region leads the state in softwood (virtually all pine) harvests while the amount of hardwoods harvested is highest in the Northwest Region. One-third of all softwood removals in the state come from the Southwest Region, while one-quarter of all hardwood removals come from the Northwest Region.

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY MAJOR SPECIES GROUP

NORTH REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Colbert	67,423	32,557	34,866
DeKalb	282,164	109,008	173,157
Franklin	226,088	71,080	155,008
Jackson	614,122	210,859	403,262
Lauderdale	119,407	0	119,407
Lawrence	165,973	80,472	85,501
Limestone	147,777	0	147,777
Madison	194,700	0	194,700
Marion	678,792	570,833	107,959
Marshall	247,011	155,199	91,811
Morgan	429,783	227,332	202,451
Winston	291,863	200,041	91,821
Total	3,465,102	1,657,381	1,807,721

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY
 MAJOR SPECIES GROUP
 NORTHWEST REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Bibb	522,890	506,432	16,459
Dallas	1,358,301	918,425	439,877
Fayette	742,246	632,538	109,708
Greene	454,546	155,490	299,056
Hale	661,005	410,036	250,969
Lamar	429,794	356,033	73,761
Perry	727,249	589,703	137,546
Pickens	1,222,877	987,409	235,467
Sumter	1,169,571	588,921	580,650
Tuscaloosa	897,863	628,302	269,561
Walker	513,576	418,460	95,116
Total	8,699,919	6,191,748	2,508,171

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY
 MAJOR SPECIES GROUP
 NORTHEAST REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Blount	329,064	281,023	48,041
Calhoun	243,296	231,122	12,174
Cherokee	328,280	208,620	119,660
Clay	498,528	388,746	109,782
Cleburne	258,204	180,132	78,072
Cullman	383,601	138,273	245,328
Etowah	89,154	57,272	31,882
Jefferson	577,205	440,155	137,051
Randolph	341,637	280,300	61,337
St. Clair	611,819	431,605	180,214
Shelby	239,391	180,850	58,541
Talladega	423,693	377,956	45,737
Total	4,323,872	3,196,053	1,127,819

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY
MAJOR SPECIES GROUP
EAST CENTRAL REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	314,588	265,719	48,869
Chambers	882,824	767,424	115,400
Chilton	474,067	301,932	172,135
Coosa	683,781	538,947	144,834
Elmore	167,140	162,120	5,020
Lee	359,425	267,080	92,345
Lowndes	516,938	409,570	107,368
Macon	474,680	188,082	286,598
Montgomery	371,076	169,318	201,758
Russell	594,434	471,243	123,191
Tallapoosa	833,709	623,135	210,574
Total	5,672,661	4,164,570	1,508,091

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY
MAJOR SPECIES GROUP
SOUTHWEST REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Baldwin	1,107,060	1,059,930	47,129
Choctaw	1,700,653	1,350,167	350,486
Clarke	2,044,992	1,670,091	374,901
Conecuh	1,127,192	840,019	287,173
Escambia	839,239	797,762	41,477
Marengo	842,156	669,649	172,507
Mobile	846,556	710,030	136,526
Monroe	984,669	809,875	174,794
Washington	1,181,722	1,049,482	132,240
Wilcox	1,348,203	1,203,844	144,358
Total	12,022,440	10,160,849	1,861,591

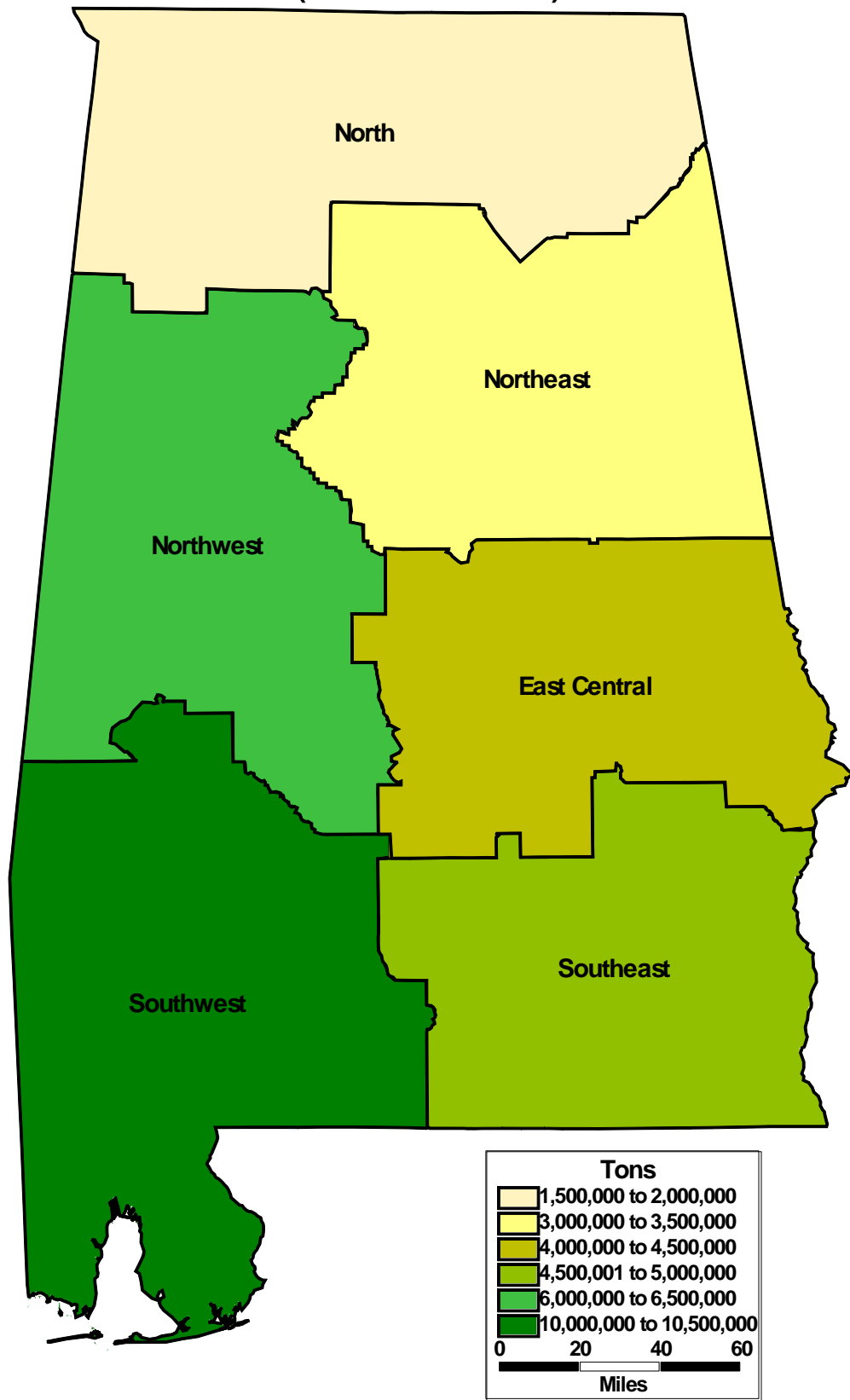
AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY
 MAJOR SPECIES GROUP
 SOUTHEAST REGION (Period 2001 – 2014)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Barbour	1,030,257	718,324	311,933
Bullock	615,014	573,196	41,818
Butler	670,123	490,395	179,729
Coffee	577,919	472,860	105,060
Covington	685,616	626,460	59,156
Crenshaw	1,080,568	914,042	166,526
Dale	459,573	322,789	136,784
Geneva	169,185	149,627	19,558
Henry	276,977	210,407	66,570
Houston	169,487	116,027	53,460
Pike	549,405	398,304	151,100
Total	6,284,124	4,992,431	1,291,693

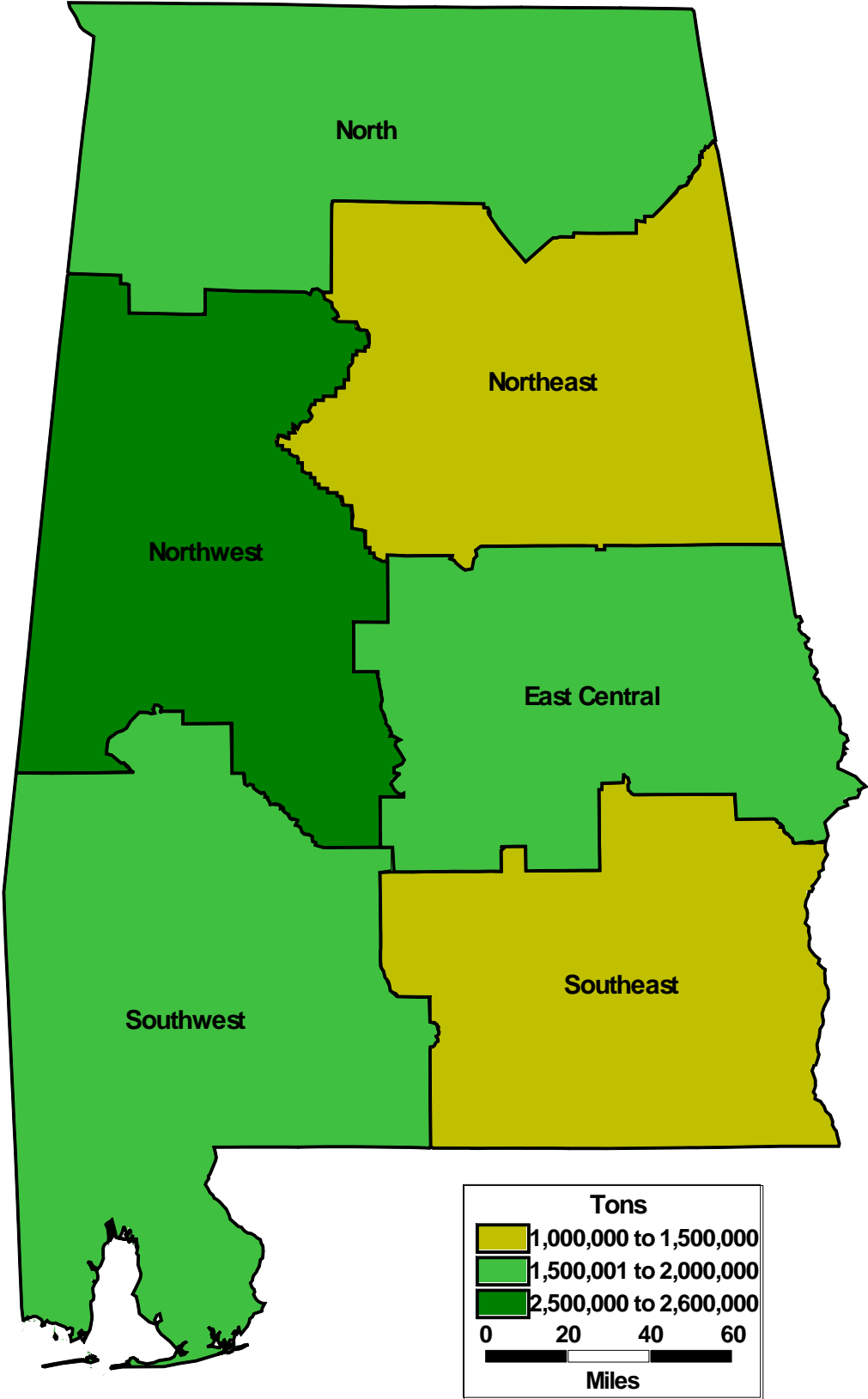
NOTE: Statistics come from 2014 Forest Inventory & Analysis (FIA) data.

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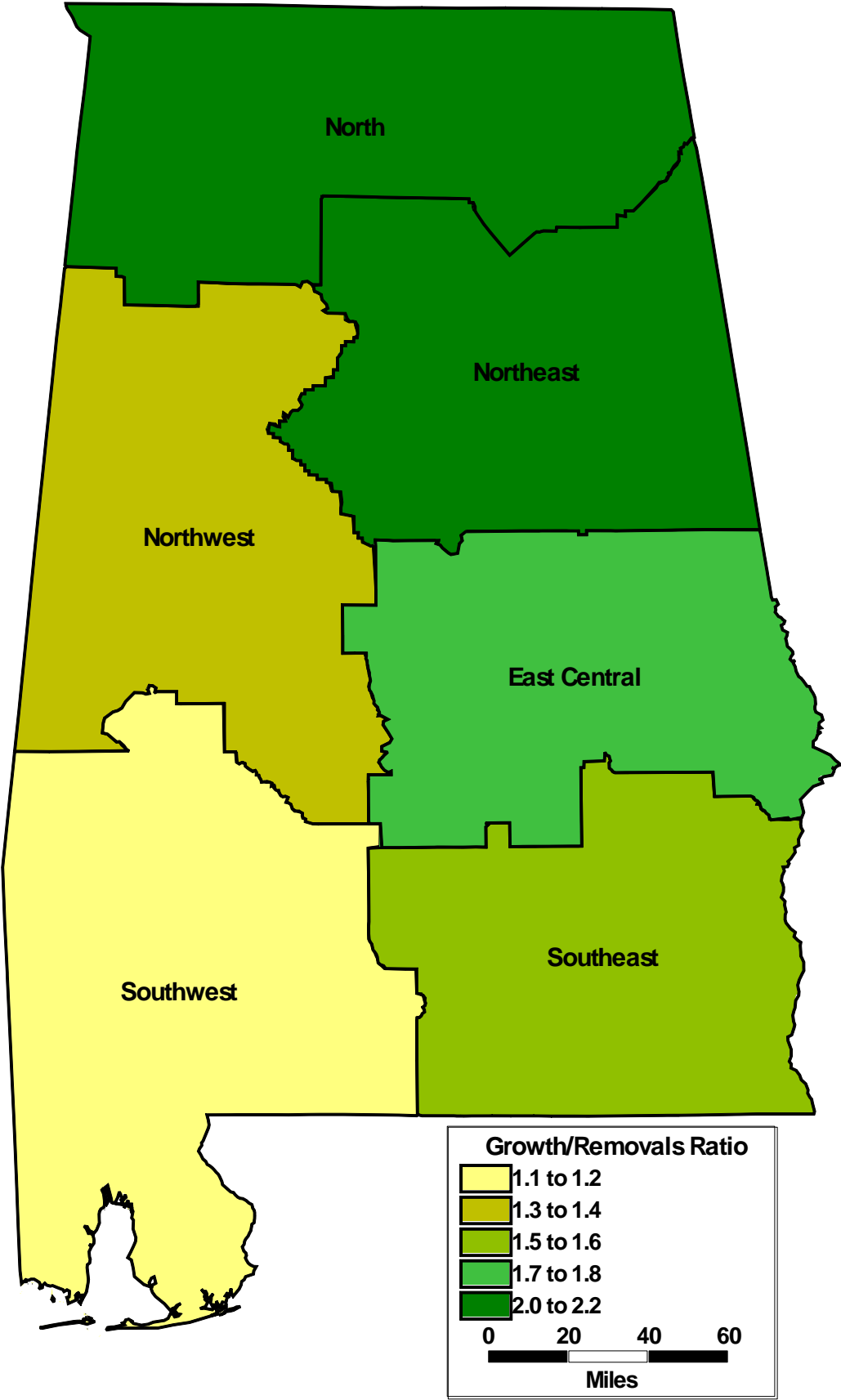
**Average Annual Removals by AFC Region and Species Group - SOFTWOODS
(Period 2001 - 2014)**



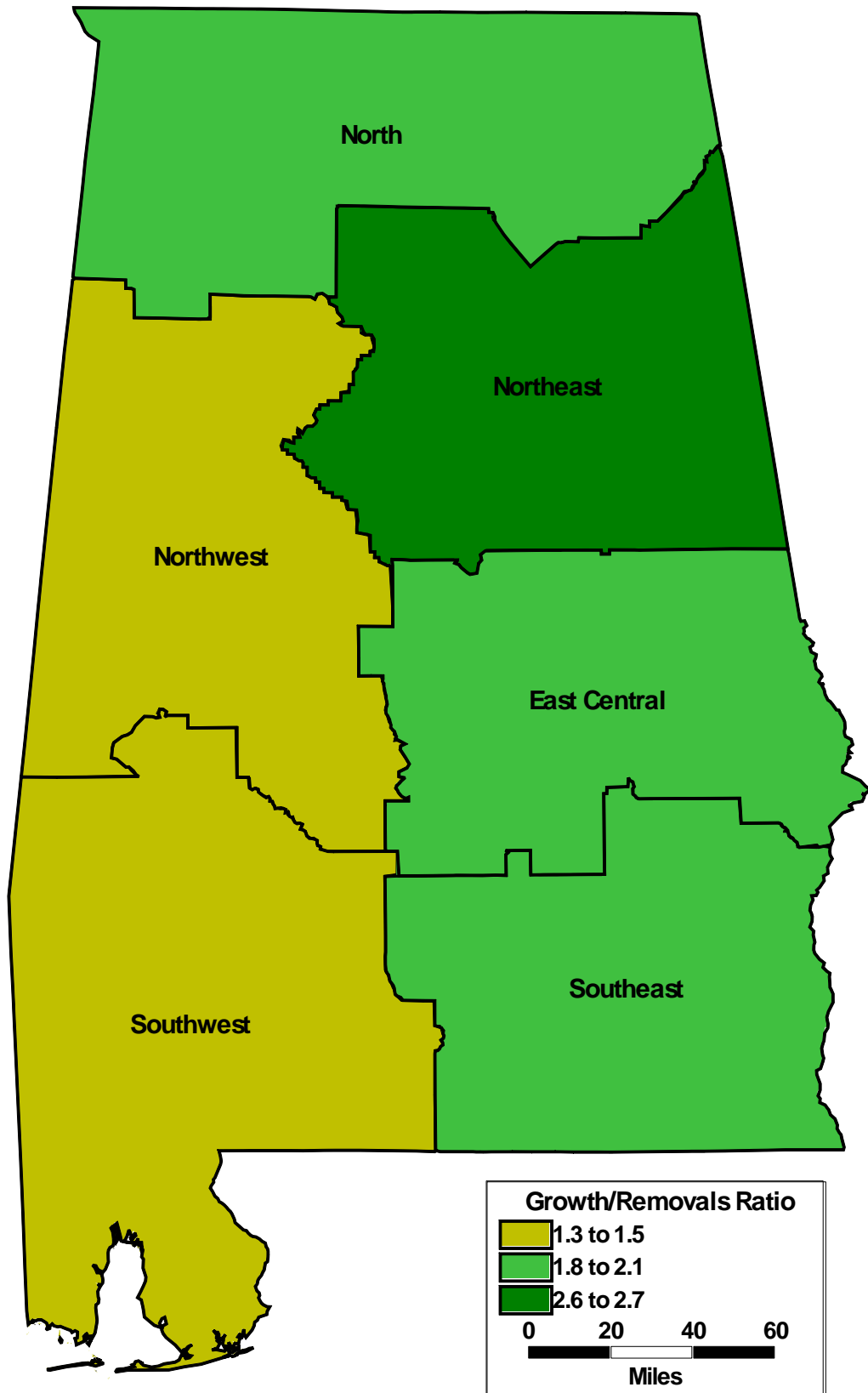
**Average Annual Removals by AFC Region and Species Group - HARDWOODS
(Period 2001 - 2014)**



Growth/Removals Ratio by AFC Region and Species Group - SOFTWOODS



Growth/Removals Ratio by AFC Region and Species Group - HARDWOODS



2014 Timber Harvests Volume

- Based on Alabama Department of Revenue severance tax reports for 2014, 1.47 billion board feet of pine sawtimber (Scribner log rule) and 175.8 million board feet of hardwood sawtimber (Doyle log rule) were harvested. In addition, approximately 7.98 million cords of pine pulpwood were harvested while 2.86 million cords of hardwood pulpwood were harvested.
- Sawtimber harvests (includes poles) accounted for 27% of the total harvests in 2014 while pulpwood accounted for 73% of the total volume harvested. (See chart on page 44) Of all sawtimber that was harvested in 2014, 85% consisted of pine and only 15% consisted of hardwood species.
- Pine sawtimber harvests have increased each of the last 5 years while hardwood sawtimber harvests have fluctuated over the same time span. When comparing 2014 sawtimber harvests to the previous five year period's average harvest volume, pine sawtimber harvests have increased by 33.2% while the amount of hardwood sawtimber harvested has decreased by 2.4% (see chart on page 45). 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 5 years and in 2014 the number of starts was 496,300; a 7% increase from 2013. In addition, shipments of southern yellow pine lumber amounted to 15.79 billion board feet in 2014, an increase of 4.8% over the amount shipped in 2013. Similar to housing starts, pine shipments have increased each of the last 5 years. Over the past several years, several hardwood sawmills have either ceased operations temporarily or gone out of business which has contributed to the decline in hardwood sawtimber harvests.

Whether or not the demand for pine sawtimber will continue to increase in 2015 depends primarily on the housing market. Factors inhibiting a strong housing market recovery include a sluggish economy, a weak job market, and stricter lending standards. The key to a major recovery in the housing market is “first time buyers” who are usually young adults. However, without good-paying jobs (which are difficult to find at the present time), young adults are choosing to rent rather than buy. Traditionally, first time buyers represent about 40 – 45% of the housing market, but today they are at 30%. Although it's early, 2015 is not off to a good start in terms of housing starts. As of the end of February, starts were 3.3% below the February 2014 seasonally adjusted annual rate.

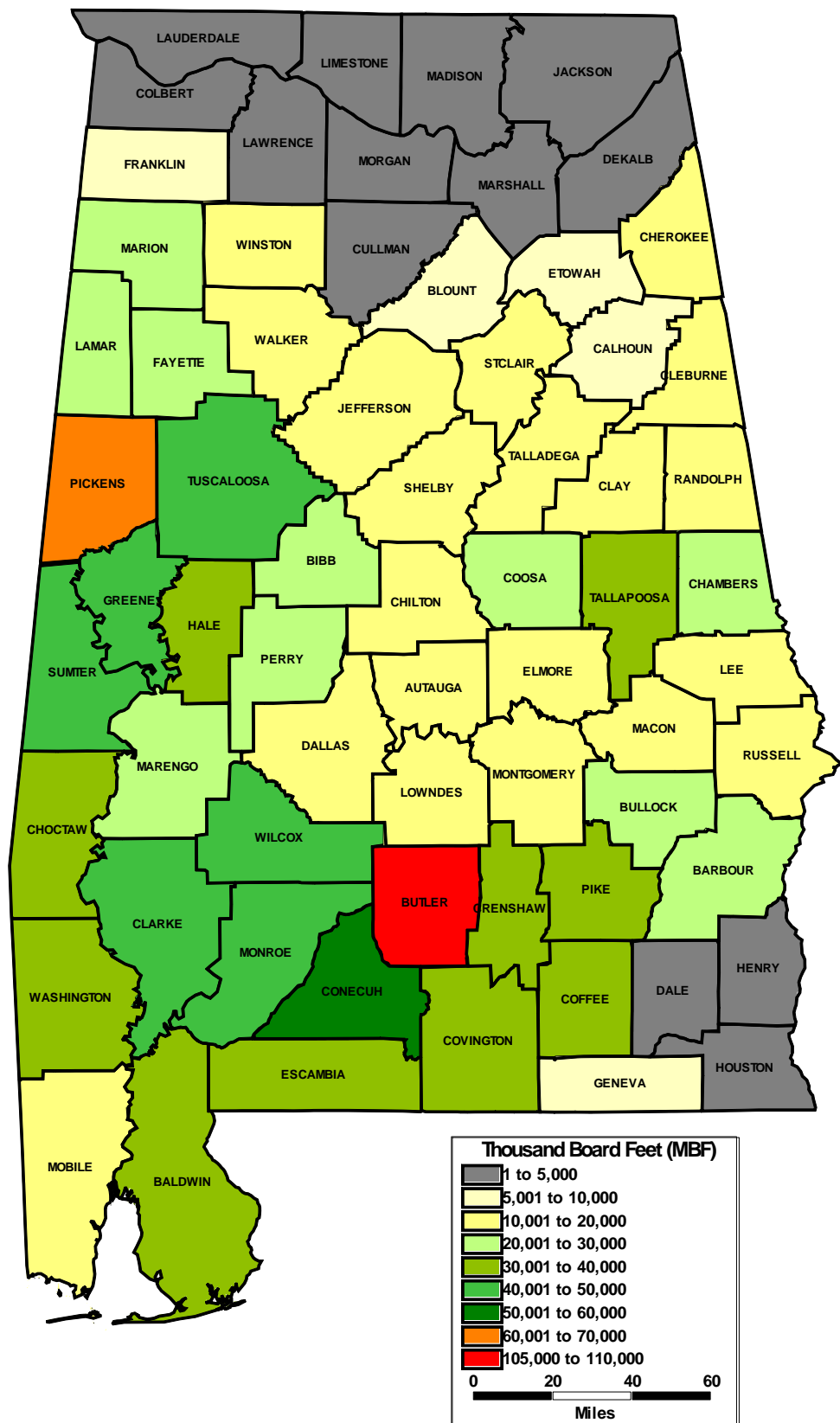
- There has been a high demand for pine pulpwood over the past several years while the demand for hardwood pulpwood has fluctuated during the same time span. Of all pulpwood that was harvested in 2014, 74% consisted of pine and 26% consisted of hardwood species. When comparing 2014 pulpwood harvests to the previous five year period's average harvest volume, pine pulpwood harvests have increased by 12.1% while the amount of hardwood pulpwood harvested has decreased by 5.6% (See chart on page 45). Pine pulpwood production in 2014 increased a modest 2.2% from 2013. The high demand for pine pulpwood can be attributed in part to a strong global pulp and paper market resulting in increased exports of pulp and paper products. In addition, the relatively weak pine sawtimber market has resulted in fewer residues being produced at sawmills; residues are a primary source of chips for paper mills, and when not available in sufficient supplies pulp and paper mills must purchase more pulpwood to compensate for the shortfall.

- In the South region of the United States pulpwood production will likely remain high in the upcoming years in large part to high demand from pulp/paper mills, OSB mills, and wood pellet manufacturers. In 2013 wood pellet exports from the U.S. South to Europe totaled 2.9 million tons; more than three times the amount that were exported in 2011. The high demand for wood pellets continued in 2014 as U.S. pellet exports (mostly from the southern states) increased by 40% over 2013. As the demand for wood pellets continues to increase, the construction of wood pellet facilities in the South is expected to increase. In Alabama a wood pellet mill owned by Zilkha Biomass Energy and located in Dallas County is expected to begin operating later this year.

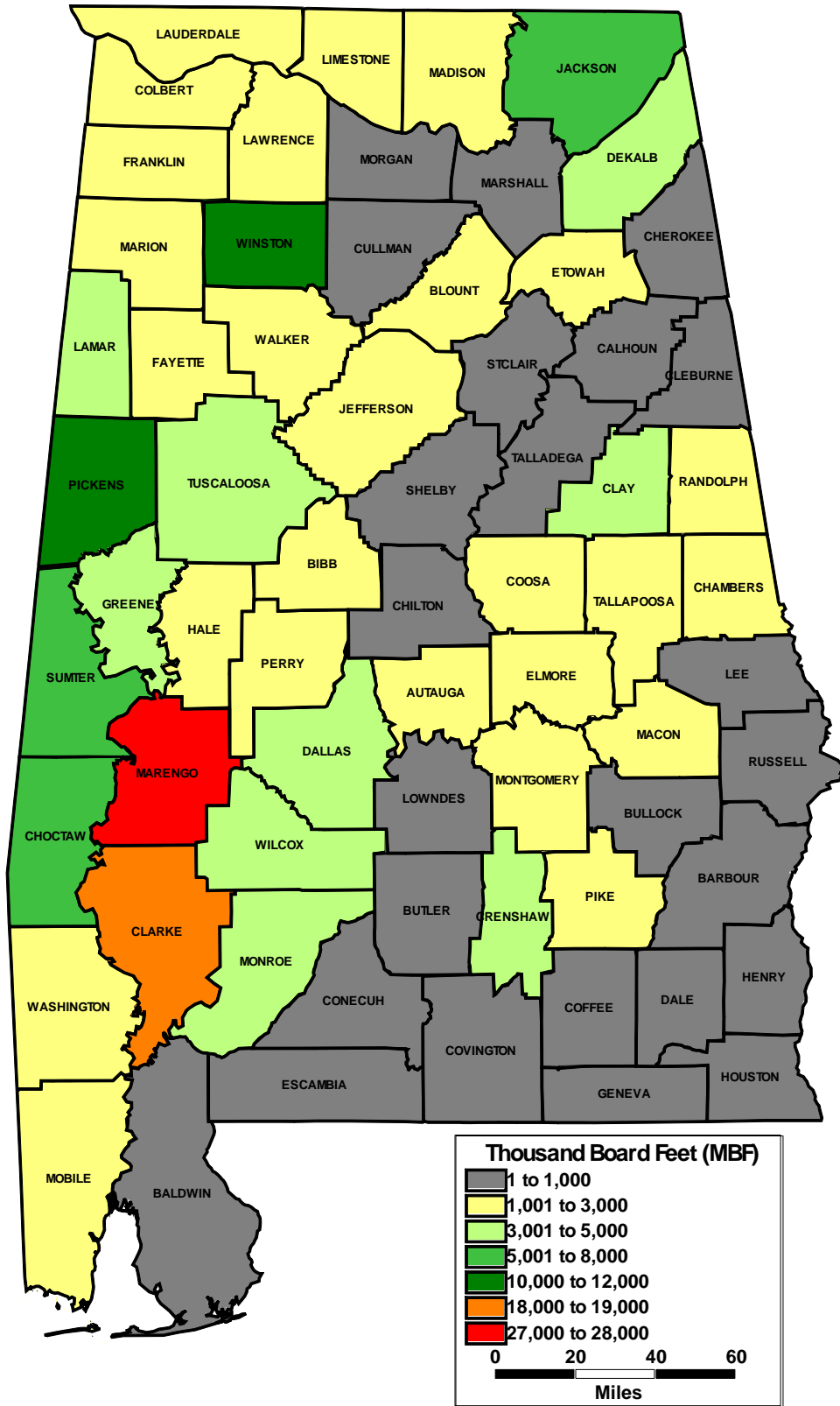
Table 1. Production of Forest Products by Product and County for Calendar Year 2014.					
	PINE	HARDWOOD a/	PINE	HARDWOOD	POLES AND
COUNTY	SAWTIMBER	SAWTIMBER	PULPWOOD	PULPWOOD	PILES
	<i>(mbf Scribner)</i>	<i>(mbf Doyle)</i>	<i>(cords)</i>	<i>(cords)</i>	<i>(mbf Doyle)</i>
Autauga	10,398	1,085	84,083	29,950	704
Baldwin	39,726	191	267,883	25,089	2,590
Barbour	22,889	443	244,113	46,657	232
Bibb	27,175	1,474	145,371	99,638	3,723
Blount	5,675	1,072	39,062	19,389	201
Bullock	24,614	647	164,938	32,112	321
Butler	106,974	99	194,207	45,102	4,022
Calhoun	6,482	414	53,742	32,788	33
Chambers	28,354	1,311	114,647	40,538	124
Cherokee	12,988	705	105,134	31,079	57
Chilton	17,825	762	115,806	33,721	71
Choctaw	37,256	6,548	331,409	109,064	3,262
Clarke	48,475	18,863	385,405	171,435	4,769
Clay	17,201	3,062	156,993	45,634	107
Cleburne	14,889	425	181,812	39,785	258
Coffee	30,269	249	86,206	38,938	564
Colbert	472	1,391	107,371	20,276	0
Conecuh	56,729	413	173,836	37,662	3,743
Coosa	27,159	1,645	161,397	47,224	1,188
Covington	36,611	39	170,388	29,827	1,874
Crenshaw	37,664	4,279	155,990	42,466	1,389
Cullman	3,892	765	39,711	24,173	11
Dale	4,230	722	78,486	34,806	185
Dallas	14,270	4,085	127,323	52,335	769
DeKalb	2,268	3,686	42,210	26,565	0
Elmore	12,521	1,127	72,594	29,359	2,088
Escambia	35,666	4	215,845	26,082	3,056
Etowah	6,741	1,632	51,739	39,441	58
Fayette	26,989	2,241	80,571	31,814	433
Franklin	7,252	2,278	77,341	25,418	0
Geneva	8,011	171	42,814	22,277	685
Greene	41,176	4,214	89,273	44,601	384
Hale	31,707	1,820	82,562	42,194	124
Henry	4,108	850	92,803	40,284	133

Houston	2,131		48		72,351		14,319		189
Jackson	1,093		7,405		37,561		44,559		0
Jefferson	13,138		1,419		48,947		30,382		569
Lamar	20,954		3,471		148,314		43,084		94
Lauderdale	2,021		2,233		18,992		12,355		0
Lawrence	2,505		1,118		27,343		33,592		0
Lee	13,941		419		83,483		27,333		135
Limestone	3,101		1,829		6,175		13,067		0
Lowndes	13,714		643		82,681		35,959		261
Macon	10,036		1,336		61,421		45,846		84
Madison	1,754		1,557		6,890		9,130		95
Marengo	29,017		27,500		235,028		111,300		671
Marion	21,255		2,101		144,416		38,588		110
Marshall	1,173		638		3,667		13,228		38
Mobile	19,223		1,015		70,766		17,610		1,401
Monroe	47,644		3,289		284,352		56,219		2,313
Montgomery	13,989		1,894		54,360		41,318		263
Morgan	1,905		947		9,855		14,572		0
Perry	26,626		2,364		93,110		37,332		2,031
Pickens	66,137		10,933		117,440		148,490		485
Pike	34,101		1,599		171,615		43,129		485
Randolph	18,652		1,136		123,170		32,628		178
Russell	11,454		678		101,743		23,517		0
Shelby	12,158		655		77,339		18,270		106
St Clair	15,433		803		104,011		19,352		1,746
Sumter	45,787		5,685		221,708		71,647		2,692
Talladega	15,828		326		127,554		41,352		1,302
Tallapoosa	38,163		1,682		158,193		54,139		723
Tuscaloosa	41,147		3,590		183,140		100,516		447
Walker	17,559		1,181		75,027		43,667		157
Washington	36,392		2,737		203,164		72,585		2,534
Wilcox	44,663		3,543		214,245		72,300		2,345
Winston	18,488		11,344		75,645		18,841		18
TOTAL:	1,469,836		175,831		7,976,768		2,857,948		58,628

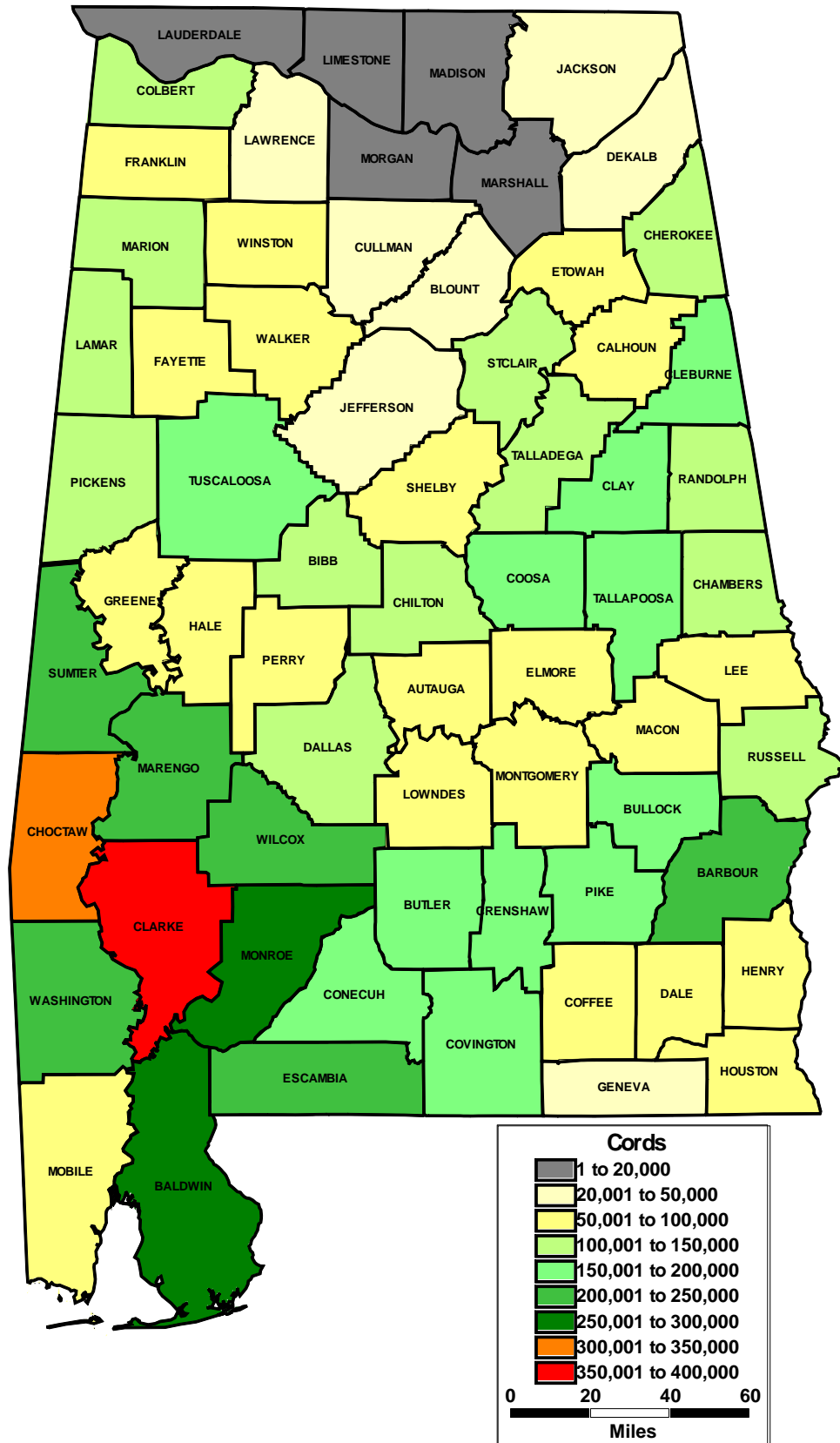
2014 Pine Sawtimber Harvest Removals



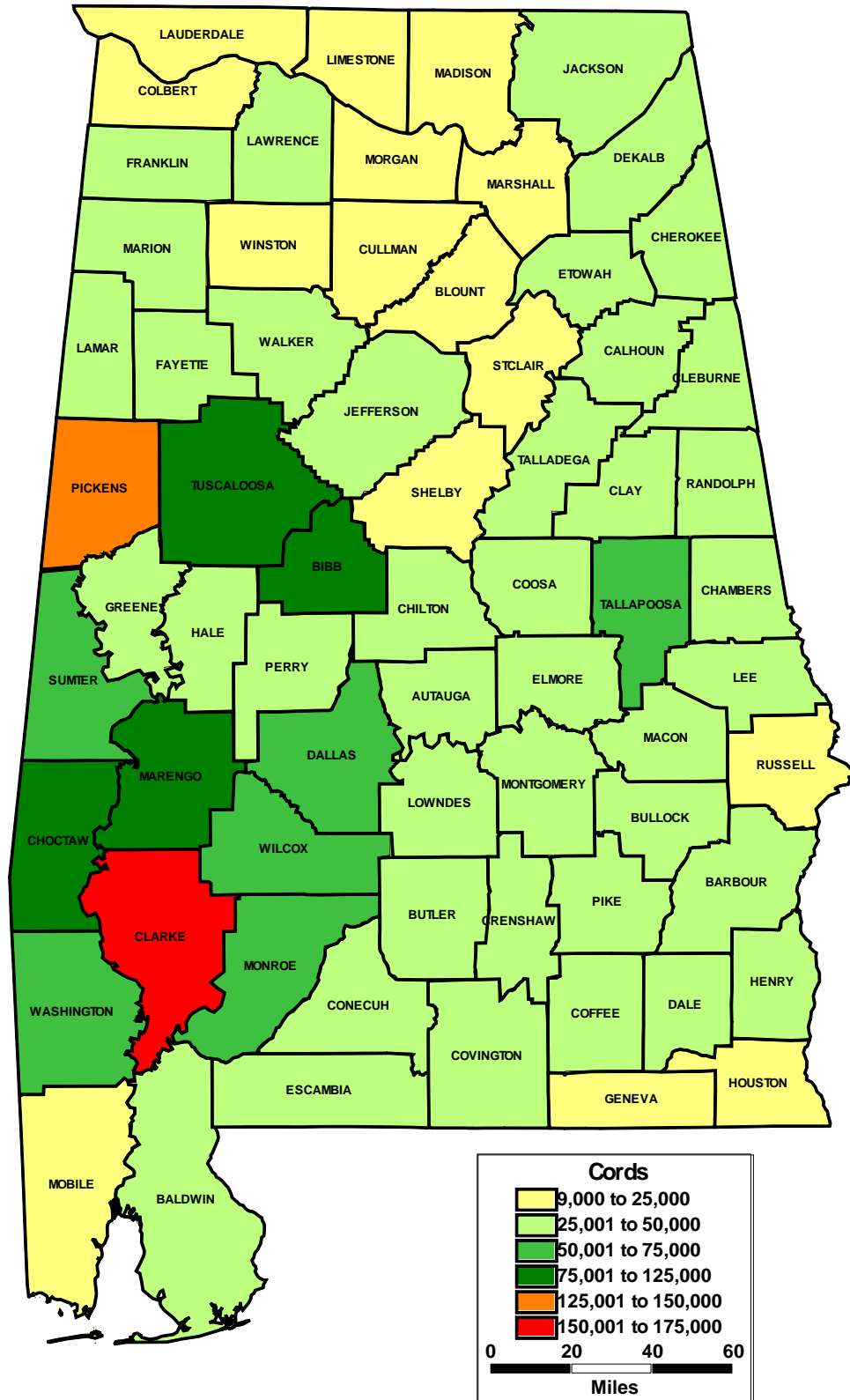
2014 Hardwood Sawtimber Harvest Removals



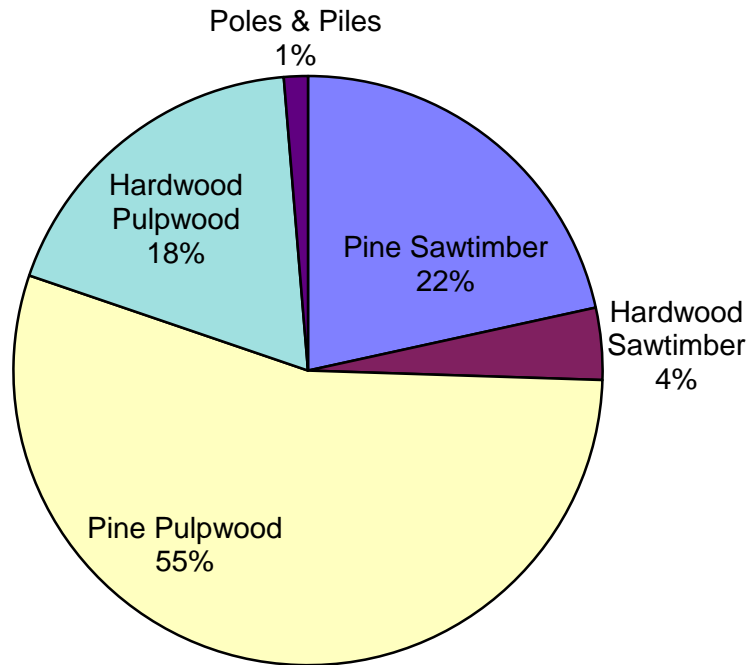
2014 Pine Pulpwood Harvest Removals



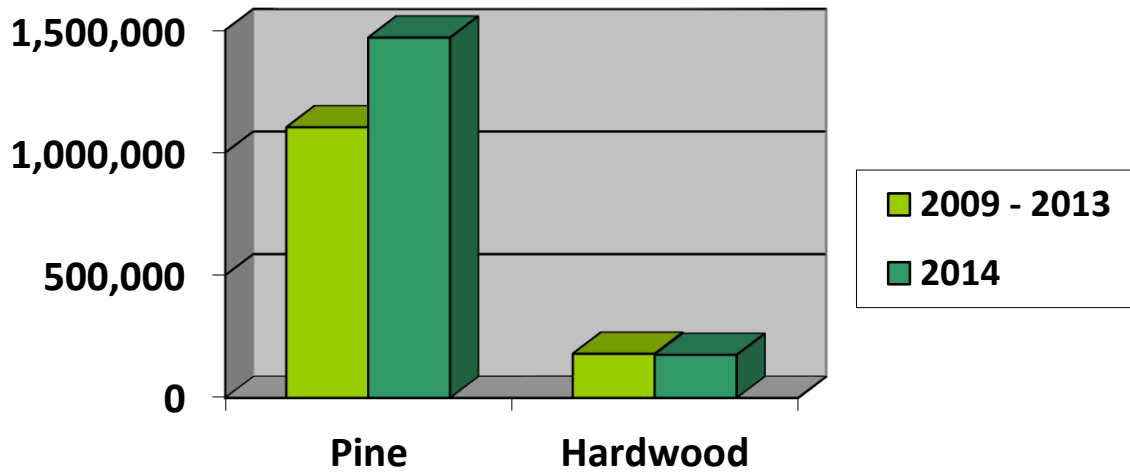
2014 Hardwood Pulpwood Harvest Removals



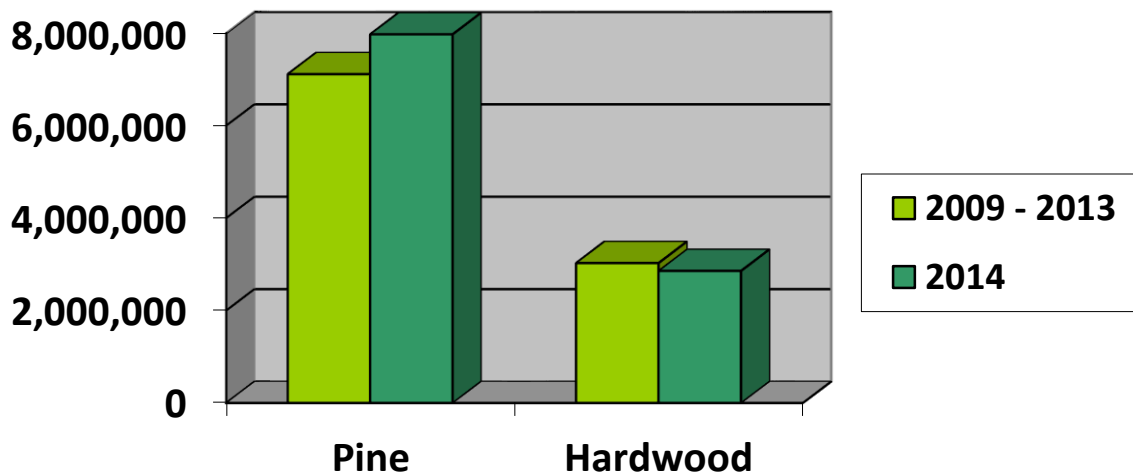
Percentage of Forest Products Harvested by Product Class



Sawtimber Harvest Volumes by Species Group (MBF)



Pulpwood Harvest Volumes by Species Group (Cords)



2014 Timber Price Trends

- Alabama's average stumpage prices for 2014 when compared with 2013 increased in all 4 product categories statewide according to *Timber Mart-South* (see table).

PRODUCT	2014 Stumpage Prices		2013 Stumpage Prices	
	Price (Region 1)	Price (Region 2)	Price (Region 1)	Price (Region 2)
Pine Sawtimber	\$186/MBF	\$213/MBF	\$186/MBF	\$208/MBF
Hardwood Sawtimber	\$325/MBF	\$299/MBF	\$254/MBF	\$262/MBF
Pine Pulpwood	\$24.87/cord	\$34.69/cord	\$24.34/cord	\$33.20/cord
Hardwood Pulpwood	\$47.33/cord	\$43.97/cord	\$41.14/cord	\$38.25/cord

- The total estimated stumpage revenue generated from the sale of all forest products in 2014 was approximately \$759.55 million, an increase of 12.5% from 2013. The increase can be attributed to higher hardwood stumpage prices for both sawtimber and pulpwood, and an increase in timber harvests in all 4 product categories.
- The total estimated stumpage revenue generated from the sale of sawtimber increased by 16.6% from 2013. Pine sawtimber revenue increased by 15.5% while hardwood sawtimber revenue increased by 22.8%.
- The total estimated stumpage revenue generated from the sale of pulpwood increased by 8.9% from 2013. Pine pulpwood revenue when compared to 2013 increased by 5.9% and hardwood pulpwood revenue increased by 15.2% from 2013.

Table 4. Stumpage Revenue from Sale of Forest Products by Product and County for Calendar Year 2014.

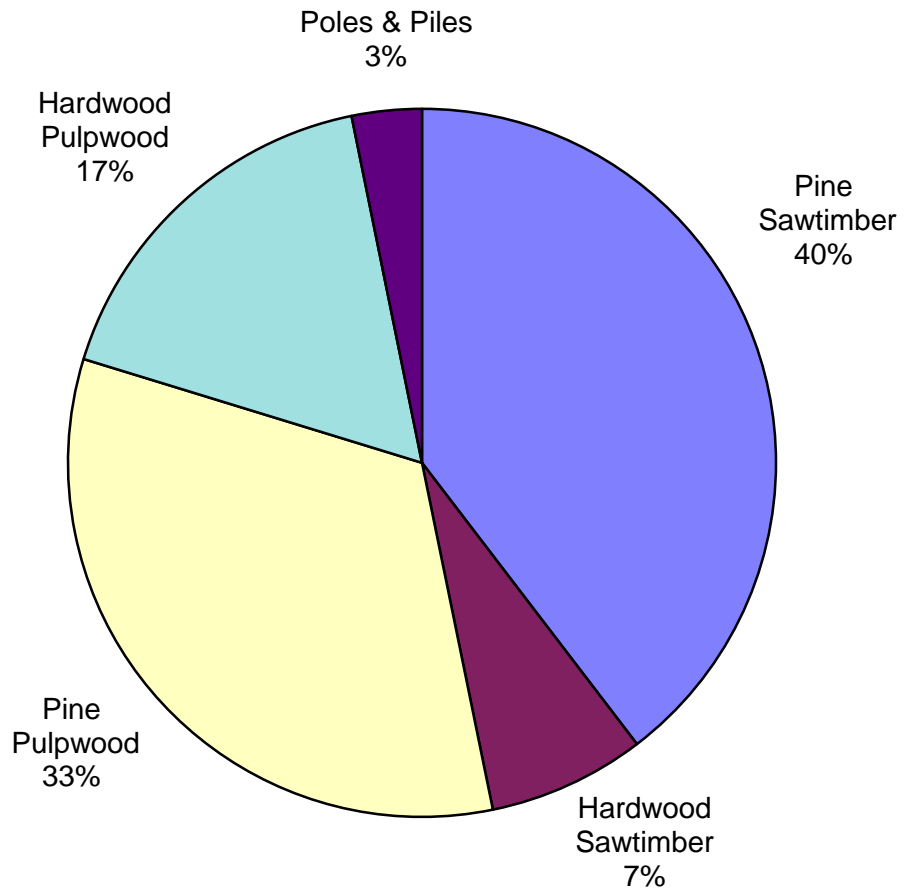
COUNTY	PINE	HARDWOOD a/	PINE	HARDWOOD	POLES AND	TOTAL
	SAWTIMBER	SAWTIMBER	PULPWOOD	PULPWOOD	PILES	
			<i>(thousand dollars)</i>			
Autauga	\$2,215	\$324	\$2,917	\$1,317	\$298	\$7,071
Baldwin	\$8,462	\$57	\$9,292	\$1,103	\$1,098	\$20,012
Barbour	\$4,875	\$133	\$8,468	\$2,052	\$98	\$15,626
Bibb	\$5,055	\$479	\$3,615	\$4,715	\$1,377	\$15,242
Blount	\$1,055	\$348	\$971	\$918	\$74	\$3,367
Bullock	\$5,243	\$193	\$5,721	\$1,412	\$136	\$12,706
Butler	\$22,785	\$30	\$6,737	\$1,983	\$1,705	\$33,240
Calhoun	\$1,206	\$134	\$1,337	\$1,552	\$12	\$4,241
Chambers	\$6,039	\$392	\$3,977	\$1,783	\$52	\$12,243
Cherokee	\$2,416	\$229	\$2,615	\$1,471	\$21	\$6,752
Chilton	\$3,315	\$248	\$2,880	\$1,596	\$26	\$8,065
Choctaw	\$7,936	\$1,958	\$11,496	\$4,796	\$1,383	\$27,568
Clarke	\$10,325	\$5,640	\$13,369	\$7,538	\$2,022	\$38,895
Clay	\$3,199	\$995	\$3,904	\$2,160	\$40	\$10,298
Cleburne	\$2,769	\$138	\$4,522	\$1,883	\$96	\$9,408
Coffee	\$6,447	\$74	\$2,990	\$1,712	\$239	\$11,463
Colbert	\$88	\$452	\$2,670	\$960	\$0	\$4,170
Conecuh	\$12,083	\$123	\$6,030	\$1,656	\$1,587	\$21,480
Coosa	\$5,052	\$535	\$4,014	\$2,235	\$440	\$12,274

Covington	\$7,798	\$12	\$5,910	\$1,312	\$795	\$15,826
Crenshaw	\$8,022	\$1,279	\$5,411	\$1,867	\$589	\$17,169
Cullman	\$724	\$249	\$988	\$1,144	\$4	\$3,108
Dale	\$901	\$216	\$2,722	\$1,530	\$78	\$5,448
Dallas	\$3,040	\$1,221	\$4,417	\$2,301	\$326	\$11,305
DeKalb	\$422	\$1,198	\$1,050	\$1,257	\$0	\$3,927
Elmore	\$2,667	\$337	\$2,518	\$1,291	\$885	\$7,698
Escambia	\$7,597	\$1	\$7,487	\$1,147	\$1,296	\$17,528
Etowah	\$1,254	\$530	\$1,287	\$1,867	\$21	\$4,959
Fayette	\$5,020	\$728	\$2,004	\$1,506	\$160	\$9,418
Franklin	\$1,349	\$740	\$1,923	\$1,203	\$0	\$5,216
Geneva	\$1,706	\$51	\$1,485	\$980	\$290	\$4,513
Greene	\$8,771	\$1,260	\$3,097	\$1,961	\$163	\$15,251
Hale	\$6,754	\$544	\$2,864	\$1,855	\$53	\$12,070
Henry	\$875	\$254	\$3,219	\$1,771	\$56	\$6,176
Houston	\$454	\$14	\$2,510	\$630	\$80	\$3,688
Jackson	\$203	\$2,407	\$934	\$2,109	\$0	\$5,653
Jefferson	\$2,444	\$461	\$1,217	\$1,438	\$211	\$5,770
Lamar	\$3,897	\$1,128	\$3,689	\$2,039	\$35	\$10,788
Lauderdale	\$376	\$726	\$472	\$585	\$0	\$2,159
Lawrence	\$466	\$363	\$680	\$1,590	\$0	\$3,099
Lee	\$2,969	\$125	\$2,896	\$1,202	\$57	\$7,250
Limestone	\$577	\$594	\$154	\$618	\$0	\$1,943
Lowndes	\$2,921	\$192	\$2,868	\$1,581	\$111	\$7,674
Macon	\$2,138	\$399	\$2,131	\$2,016	\$35	\$6,719
Madison	\$326	\$506	\$171	\$432	\$35	\$1,471
Marengo	\$6,181	\$8,222	\$8,153	\$4,894	\$285	\$27,734
Marion	\$3,953	\$683	\$3,592	\$1,826	\$41	\$10,095
Marshall	\$218	\$207	\$91	\$626	\$14	\$1,157
Mobile	\$4,095	\$303	\$2,455	\$774	\$594	\$8,221
Monroe	\$10,148	\$984	\$9,863	\$2,472	\$981	\$24,448
Montgomery	\$2,980	\$566	\$1,886	\$1,817	\$111	\$7,360
Morgan	\$354	\$308	\$245	\$690	\$0	\$1,597
Perry	\$5,671	\$707	\$3,230	\$1,642	\$861	\$12,110
Pickens	\$12,302	\$3,553	\$2,921	\$7,027	\$179	\$25,982
Pike	\$7,263	\$478	\$5,953	\$1,896	\$206	\$15,797
Randolph	\$3,469	\$369	\$3,063	\$1,544	\$66	\$8,512
Russell	\$2,440	\$203	\$3,529	\$1,034	\$0	\$7,206
Shelby	\$2,261	\$213	\$1,923	\$865	\$39	\$5,301
St. Clair	\$2,870	\$261	\$2,587	\$916	\$646	\$7,280
Sumter	\$9,753	\$1,700	\$7,691	\$3,150	\$1,142	\$23,435
Talladega	\$2,944	\$106	\$3,172	\$1,957	\$482	\$8,661
Tallapoosa	\$8,129	\$503	\$5,487	\$2,381	\$306	\$16,806
Tuscaloosa	\$7,653	\$1,167	\$4,555	\$4,757	\$165	\$18,297
Walker	\$3,266	\$384	\$1,866	\$2,067	\$58	\$7,640
Washington	\$7,751	\$818	\$7,047	\$3,192	\$1,074	\$19,883
Wilcox	\$9,513	\$1,059	\$7,432	\$3,179	\$994	\$22,178
Winston	\$3,439	\$3,687	\$1,881	\$892	\$7	\$9,905
Total	\$300,890	\$54,504	\$250,248	\$129,669	\$24,238	\$759,550

a/ Includes--Sawtimber, Cross and Switch and Mine ties, Mine props.; MBF = Thousand Board Feet

SOURCE: Volumes from Severance Tax Receipts. Stumpage Price Rates from Timber Mart South.

Forest Products Percentage of Total Stumpage Value



2013 Timber and other Agricultural Commodities Rankings

Timber ranks second in production of all agricultural commodities, and in 2013 accounted for 10.0% 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.

						2013
Commodity	2009	2010	2011	2012	2013	Ranking
<i>thousand dollars</i>						
Broilers	\$2,519,300	\$2,789,300	\$2,671,500	\$2,810,100	\$3,558,600	1
Forest Products*	\$455,600	\$596,700	\$511,800	\$595,800	\$675,100	2
Cattle and Calves	\$300,700	\$387,600	\$395,700	\$505,000	\$477,300	3
Eggs	\$286,900	\$291,300	\$322,700	\$351,900	\$387,000	4
Cotton	\$112,400	\$250,100	\$295,900	\$364,500	\$273,600	5

2010 Forest Industry Statistics

Alabama's forest industry is the state's second largest manufacturing industry, producing an estimated \$12.78 billion worth of products in 2010. Of this total, \$8.00 billion was comprised of pulp and paper products, \$3.22 billion, lumber and other wood products, and furniture and other secondary wood products accounted for \$1.6 billion of the total. The value-added contribution of the forest industry in 2010 is estimated at \$6.45 billion, or slightly over 50% of the total shipment value. (Source: U.S. Census Bureau and Auburn Forest Products Development Center)

NAICS	Industry	Employees (number)	Payroll (\$000)	Value-Added (\$000)	Value of Shipments
113	Forestry & Logging	4,558	152,104	N/A	N/A
321	Lumber & Wood Products	21,155	481,509	1,339,901	3,220,020
322	Pulp & Paper Products	12,020	760,675	4,176,566	8,001,900
337	Furniture & Related Products	9,081	297,952	935,487	1,556,856
TOTAL		46,814	1,692,240	6,451,954	12,778,776

Alabama's forest products sector accounted for 12.3% of the value of all manufacturing in the state during 2010. In addition, forestry and forest products account for an estimated 9% of total GDP. (Source: Auburn Forest Products Development Center)

Alabama's pulp & 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 3rd in paper production. If Alabama was a country, it would rank 8th in the world in pulp production and 12th in paper production. (Source: Auburn Forest Products Development Center)

Alabama is also a major producer of solid wood products. In 2010, an estimated 1.97 billion board feet of lumber was produced in Alabama, 83% of which was from southern yellow pine. Alabama also produced 1.62 billion square feet of wood panels in 2010. Alabama ranks 7th in the U.S. in lumber production and 8th in wood panel production. (Source: U.S. Dep't. of Commerce and Auburn Forest Products Development Center)

2014 Forest Products Investments in New & Expanding Businesses

- During 2014, there were 30 announcements of new and expanding businesses; 6 new and 24 expansions of existing industries. There were 2 more announcements in 2014 than 2013.
- A total of 906 jobs were created which is 388 fewer than were created in 2013.
- The money invested in the 30 new and expanding industries amounted to \$622.4 million which is \$434.1 million more than that invested in 2013.

2014 New & Expanding Announcements Forestry Products

Source: Alabama Department of Commerce 5-20-15

NO	COMPANY	CITY	COUNTY	YEAR	NEW/EXP	JOBS	INVESTMENT	NAICS	PRODUCT
1	Conner Industries	Montgomery	Montgomery	2014	N	10	\$262,326.00	321	Wood Pallets/Containers
2	Lil' Lodges	Bear Creek	Marion	2014	N	40	\$550,000.00	321991	Manufactured Cabins
3	Rustic River Park Homes	Hamilton	Marion	2014	N	100	\$0.00	321991	Manufactured Cabins
4	IndusTree Pole	Goodwater	Coosa	2014	N	17	\$2,250,000.00	321999	Timber Sawmill/Pole Mill
5	K & S Lumber	Vernon	Lamar	2014	N	12	\$367,500.00	321999	Cross ties & Furniture Framing Stock
6	Kith Kitchens	Haleyville	Marion	2014	N	159	\$3,000,000.00	337110	Kitchen Cabinets
7	M C Dixon Lumber Company Inc	Eufaula	Barbour	2014	E	4	\$0.00	321113	Yellow Pine Lumber
8	West Fraser	Opelika	Lee	2014	E	0	\$12,700,000.00	321113	Lumber & Timbers
9	West Fraser Lumber	Maplesville	Chilton	2014	E	0	\$50,000,000.00	321113	Lumber
10	Zilkha Biomass Energy	Selma	Dallas	2014	E	55	\$40,000,000.00	321113	"Black" Wood Pellets for Export
11	Capital Veneer Works Inc	Montgomery	Montgomery	2014	E	3	\$300,000.00	321211	Hardwood Veneer & Plywood Mfg
12	Georgia-Pacific Corporation	Thorsby	Chilton	2014	E	30	\$6,000,000.00	321214	LVL Laminated Veneer Lumber
13	Norbord	Lanett	Chambers	2014	E	120	\$45,000,000.00	321219	OSB Mill
13	CNC Stonecrafters Inc	Phil Campbell	Franklin	2014	E	7	\$0.00	321911	Wood Furniture Components
15	I-Core Composites LLC	Cullman	Cullman	2014	E	0	\$600,000.00	321912	Balsa Wood Core Material
16	Kronospan U.S. LLC	Eastaboga	Calhoun	2014	E	36	\$18,000,000.00	321918	Wood Laminated Flooring Products
17	PalletOne of Alabama LLC	Selma	Dallas	2014	E	15	\$50,000.00	321920	Pallet Stock
18	Deer Valley Homes	Guin	Marion	2014	E	0	\$300,000.00	321991	Manufactured Homes
19	Morton Buildings Inc	Cullman	Cullman	2014	E	4	\$0.00	321992	Timber Column Buildings
20	Alabama River Cellulose LLC	Perdue Hill	Monroe	2014	E	0	\$27,000,000.00	322110	Market Pulp & Fluff Cellulose
21	International Paper Co.	Selma	Dallas	2014	E	38	\$28,000,000.00	322121	Paper
22	Georgia-Pacific Corporation	Brewton	Escambia	2014	E	4	\$375,000,000.00	322211	Corrugated & Solid Fiber Boxes
23	MidSouth Packaging LLC	Cullman	Cullman	2014	E	15	\$2,700,000.00	322211	Corrugated Packaging
24	Rusken Packaging Inc	Cullman	Cullman	2014	E	9	\$2,024,000.00	322211	Corrugated Boxes
25	South Coast Paper	Maplesville	Chilton	2014	E	10	\$1,000,000.00	322230	Custom Converter of Cut Size Papers
26	Rock Tenn	Cullman	Cullman	2014	E	15	\$2,700,000.00	333514	Corrugated Packaging
27	Cullman Cabinet and Supply Company	Cullman	Cullman	2014	E	15	\$175,000.00	337110	Cabinet Doors, Laminate Counter Tops
28	Legacy Cabinets	Eastaboga	Talladega	2014	E	140	\$3,400,000.00	337110	Kitchen Cabinets
29	Paris Packaging Inc	Andalusia	Covington	2014	E	18	\$0.00	56191	Box Manufacturing
30	Alabama Inter-Forest Corporation	Eufaula	Barbour	2014	E	30	\$1,000,000.00	339111	Fiberboard Panels

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

REFERENCES

Alabama Department of Commerce - Website address: www.madeinalabama.com

Alabama Department of Revenue - Website address: www.ador.alabama.gov

Forest2Market - Website address: www.forest2market.com

Forest Inventory & Analysis EVALIDator 4.01 - Website address: www.fia.fs.fed.us

Ken Muehlenfeld - Director, Forest Products Development Center - AIDT

Southern Forest Products Association - Website address: www.sfpa.org

Timber Mart-South - Website address: www.timbermart-south.com

USDA - Economic Research Service - Website address: www.ers.usda.gov

Virginia Tech University - Website address: www.vt.edu

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

ACKNOWLEDGEMENTS

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