



FOREST RESOURCE REPORT 2013

ALABAMA FORESTRY COMMISSION

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FOREST RESOURCE REPORT 2013

By
Alabama Forestry Commission (AFC)

This report contains several economic status indicators of the forest resources and forest industry in Alabama for 2013. Included in this report are the following indicators:

- 2013 FIA Timberland Acreage Statistics by County and Forestry Commission Region
- 2013 FIA Timber Inventory Statistics by County and Forestry Commission Region
- 2013 Timber Harvests Volume by County
- 2013 Timber Price Trends
- 2012 Timber and other Agricultural Commodities Rankings (*latest statistics available*)
- 2010 Forest Industry Statistics (*latest statistics available*)
- 2013 Forest Products Investments in New & Expanding Businesses

ALABAMA'S FOREST RESOURCE

Timberland Acreage

- Alabama timberland covers 22.8 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 8% of Alabama's timberland while 86% is owned by the non-industrial private sector.
- Alabama forests are comprised of 43% hardwood stands, 43% softwood (mostly pine) stands and 14% mixed pine/hardwood stands.

TIMBERLAND ACRES BY FOREST TYPE - NORTH REGION

County	Total	Softwoods	Oak-Pine	Hardwoods
<i>Acres</i>				
Colbert	214,538	43,134	11,171	160,233
DeKalb	173,244	61,730	12,514	99,000
Franklin	287,222	97,232	34,607	155,383
Jackson	417,869	23,818	25,640	368,411
Lauderdale	169,446	23,892	4,981	140,573
Lawrence	201,306	43,883	29,618	127,804
Limestone	93,751	2,131	3,120	88,500
Madison	178,318	28,129	21,528	128,660
Marion	360,243	172,334	40,964	146,945
Marshall	141,827	31,236	15,292	95,299
Morgan	190,291	25,006	19,631	145,654
Winston	316,798	112,686	55,045	149,066
Total	2,744,853	665,211	274,111	1,805,528

TIMBERLAND ACRES BY FOREST TYPE - NORTHWEST REGION

County	Total	Softwoods	Oak-Pine	Hardwoods
<i>Acres</i>				
Bibb	323,503	141,350	66,230	115,923
Dallas	424,204	158,485	52,060	213,660
Fayette	337,452	145,358	41,260	150,834
Greene	325,465	125,053	48,515	151,897
Hale	285,207	134,292	21,388	129,526
Lamar	325,652	125,319	31,019	169,315
Perry	354,481	192,369	49,652	112,460
Pickens	466,800	205,227	67,109	194,463
Sumter	443,790	197,511	52,355	193,924
Tuscaloosa	681,585	265,562	93,780	322,243
Walker	392,192	160,181	57,805	174,205
Total	4,360,331	1,850,707	581,173	1,928,450

TIMBERLAND ACRES BY FOREST TYPE - NORTHEAST REGION

County	Total	Softwoods	Oak-Pine	Hardwoods
Acres				
Blount	235,176	107,117	37,224	90,836
Calhoun	196,324	65,586	32,449	98,289
Cherokee	250,537	97,681	50,379	102,478
Clay	304,872	88,679	67,211	148,982
Cleburne	261,257	91,762	67,084	102,411
Cullman	228,165	67,572	21,678	138,915
Etowah	192,757	61,522	30,220	101,014
Jefferson	399,171	155,910	89,205	154,055
Randolph	281,648	125,038	33,064	123,546
St. Clair	306,180	92,148	53,121	160,912
Shelby	348,370	153,447	63,254	131,668
Talladega	313,094	142,266	47,929	122,900
Total	3,317,551	1,248,728	592,818	1,476,006

TIMBERLAND ACRES BY FOREST TYPE - EAST CENTRAL REGION

County	Total	Softwoods	Oak-Pine	Hardwoods
Acres				
Autauga	297,273	161,636	24,270	111,366
Chambers	308,739	171,412	26,762	110,564
Chilton	315,657	108,879	57,468	149,311
Coosa	381,866	171,454	42,218	168,195
Elmore	244,602	110,694	36,809	97,098
Lee	256,881	120,286	70,338	66,257
Lowndes	303,235	143,417	31,998	127,820
Macon	328,104	152,810	41,803	133,490
Montgomery	251,508	61,568	47,046	142,895
Russell	305,935	151,099	34,481	120,354
Tallapoosa	384,539	181,471	63,608	139,460
Total	3,378,339	1,534,726	476,801	1,366,810

TIMBERLAND ACRES BY FOREST TYPE - SOUTHWEST REGION

County	Total	Softwoods	Oak-Pine	Hardwoods
Acres				
Baldwin	742,029	398,510	112,952	230,567
Choctaw	523,626	274,337	70,569	178,721
Clarke	744,784	391,798	117,744	235,242
Conecuh	448,687	236,573	57,690	154,423
Escambia	469,700	293,551	60,282	115,867
Marengo	465,398	204,248	44,544	216,607
Mobile	487,804	212,138	71,945	203,722
Monroe	581,092	300,425	89,435	191,233
Washington	644,940	328,040	104,373	212,527
Wilcox	512,380	266,206	66,731	179,443
Total	5,620,440	2,905,826	796,265	1,918,352

TIMBERLAND ACRES BY FOREST TYPE - SOUTHEAST REGION

County	Total	Softwoods	Oak-Pine	Hardwoods
<i>Acres</i>				
Barbour	418,722	198,386	58,885	161,451
Bullock	314,036	141,883	57,167	114,986
Butler	406,193	234,120	40,900	131,172
Coffee	229,417	81,531	35,535	112,351
Covington	506,174	303,119	75,416	127,640
Crenshaw	310,837	144,409	31,812	134,617
Dale	250,594	89,922	40,806	119,866
Geneva	213,042	85,900	23,718	103,425
Henry	255,424	125,912	27,346	102,166
Houston	179,736	61,144	33,230	85,362
Pike	304,558	136,232	40,488	127,838
Total	3,388,733	1,602,558	465,303	1,320,874

NOTES: Statistics come from 2013 Forest Inventory & Analysis (FIA) data.

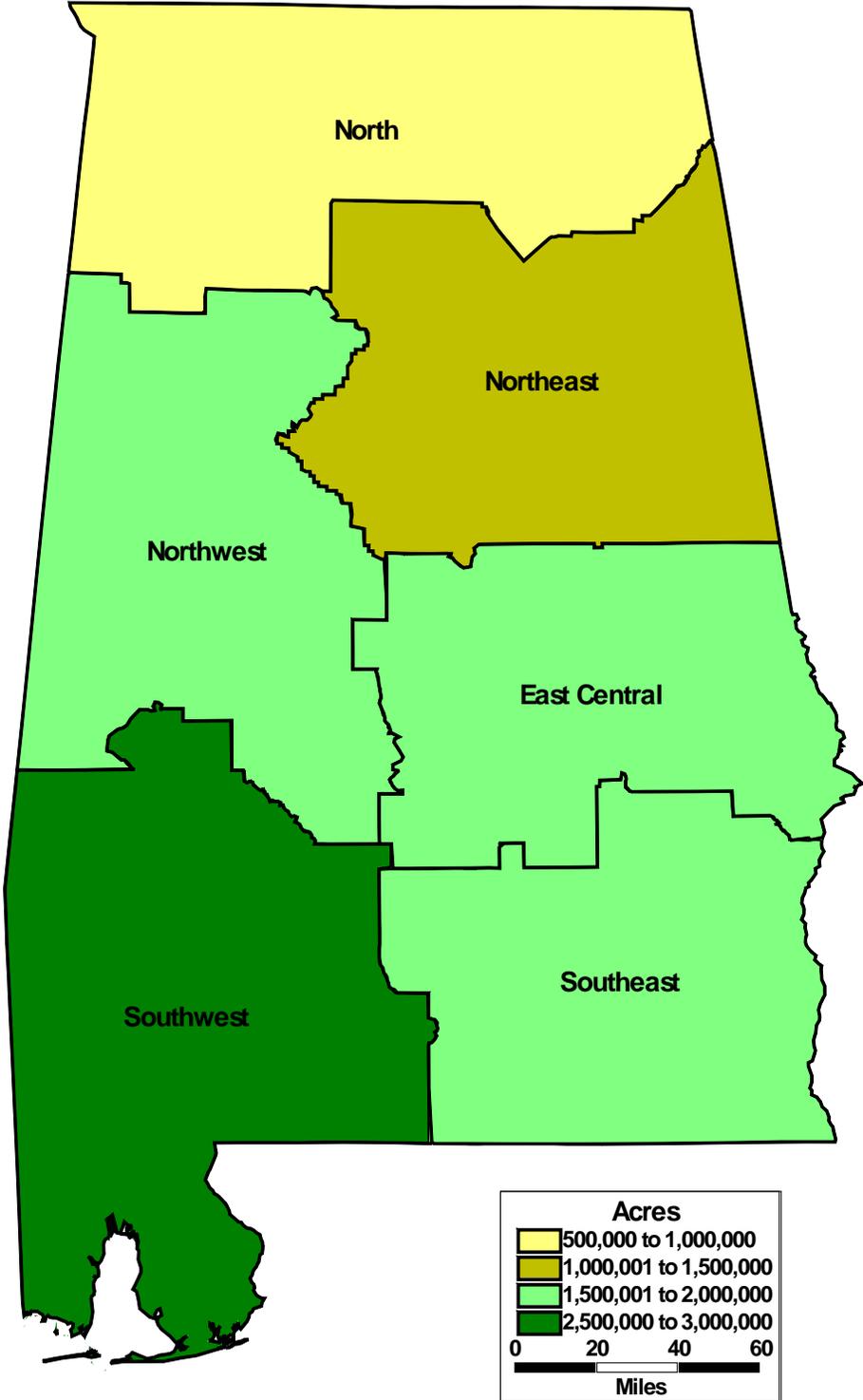
A very small portion (<1%) of timberland acreage is classified as “non-stocked” by FIA guidelines. The “non-stocked” acres have been included in the “oak-pine” category.

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.

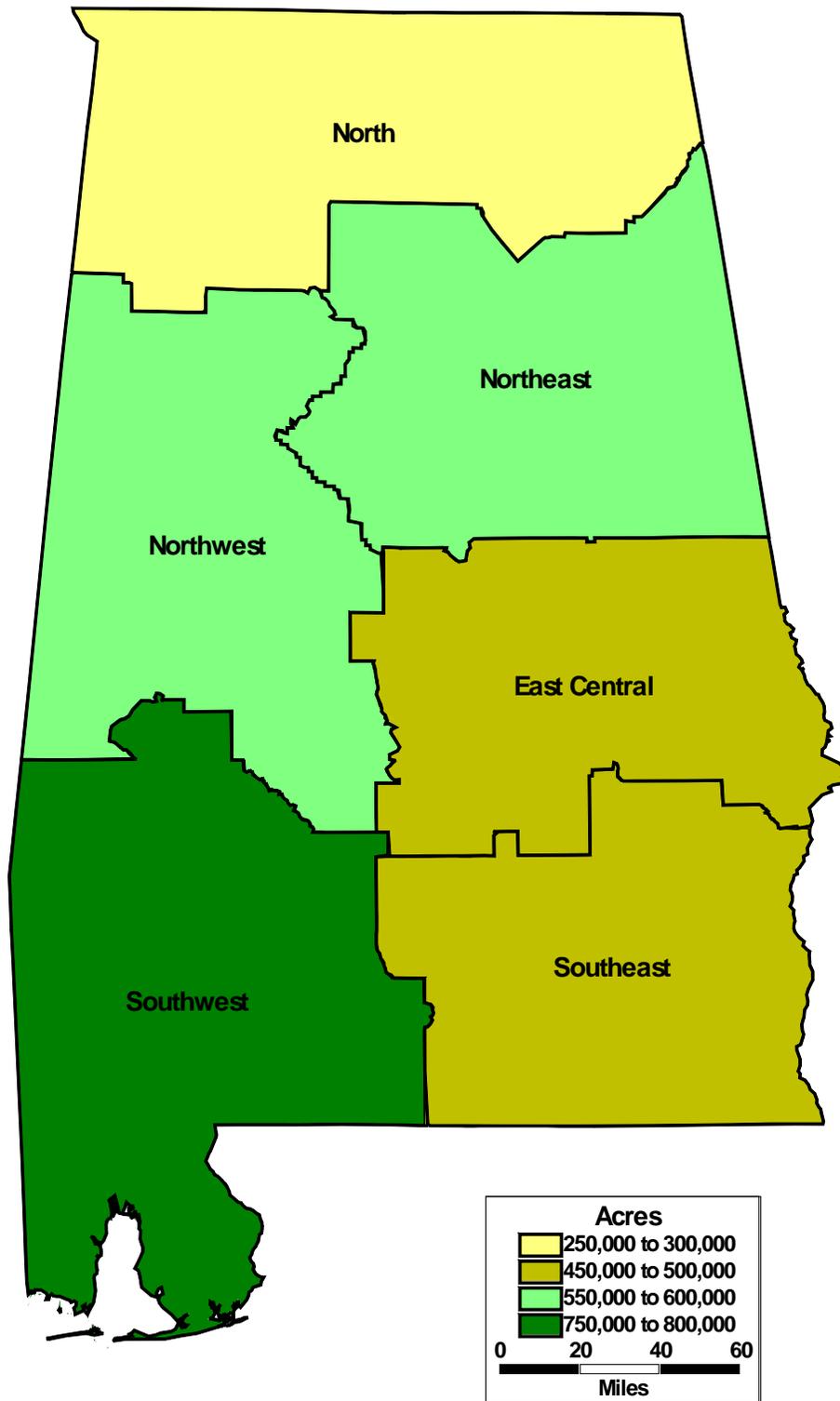
Numbers in rows and columns may not sum due to rounding.

***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.

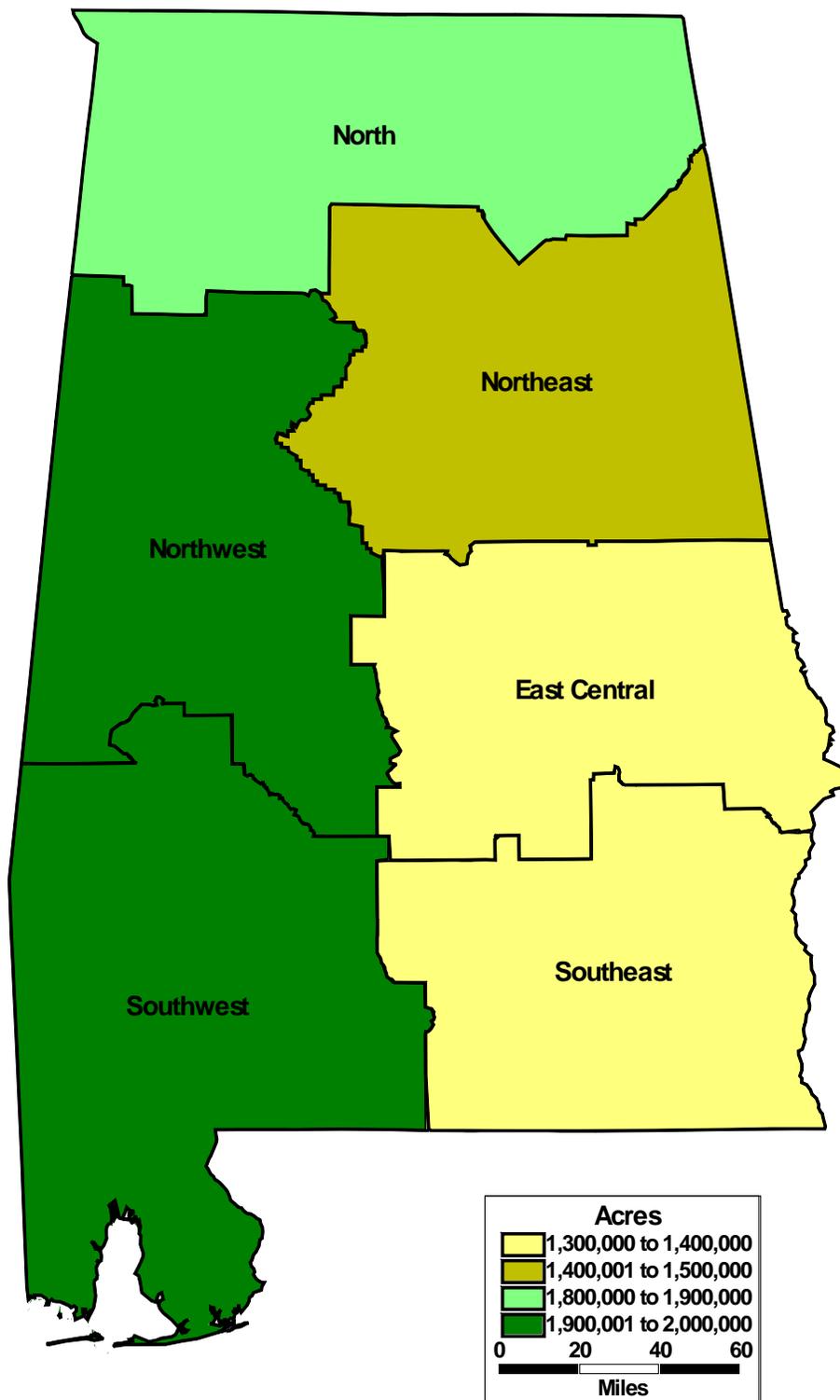
Timberland Acres by AFC Region and Forest Type Group - SOFTWOODS



Timberland Acres by AFC Region and Forest Type Group - MIXED



Timberland Acres by AFC Region and Forest Type Group - HARDWOODS



- Sawtimber-sized stands comprise 47% of Alabama’s timberland, while 27.5% of forest stands are comprised of mostly pulpwood-sized timber. Seedling/sapling-sized stands account for the remaining 25.5% of timberland acreage.

TIMBERLAND ACRES BY FOREST STAND SIZE - NORTH REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Colbert	214,538	95,633	74,960	43,946
DeKalb	173,244	107,782	52,200	13,262
Franklin	287,222	117,296	127,014	42,912
Jackson	417,869	284,928	93,684	39,258
Lauderdale	169,446	96,872	50,710	21,863
Lawrence	201,306	115,575	47,860	37,871
Limestone	93,751	65,774	11,470	16,507
Madison	178,318	142,301	20,275	15,741
Marion	360,243	130,914	131,651	97,679
Marshall	141,827	95,739	10,681	35,407
Morgan	190,291	130,125	28,950	31,216
Winston	316,798	160,560	82,688	73,550
Total	2,744,853	1,543,499	732,143	469,212

TIMBERLAND ACRES BY FOREST STAND SIZE - NORTHWEST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Bibb	323,503	157,522	67,927	98,055
Dallas	424,204	207,887	112,843	103,474
Fayette	337,452	108,549	133,772	95,132
Greene	325,465	152,012	67,092	106,360
Hale	285,207	152,862	64,727	67,618
Lamar	325,652	141,089	97,236	87,327
Perry	354,481	165,624	76,535	112,323
Pickens	466,800	163,857	138,130	164,812
Sumter	443,790	189,594	136,499	117,697
Tuscaloosa	681,585	338,970	174,700	167,914
Walker	392,192	188,135	106,710	97,347
Total	4,360,331	1,966,101	1,176,171	1,218,059

TIMBERLAND ACRES BY FOREST STAND SIZE - NORTHEAST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Blount	235,176	116,702	58,386	60,088
Calhoun	196,324	99,349	52,299	44,676
Cherokee	250,537	132,569	61,931	56,037
Clay	304,872	139,104	117,770	47,998
Cleburne	261,257	164,389	72,928	23,940
Cullman	228,165	89,256	94,566	44,342
Etowah	192,757	125,491	24,453	42,813
Jefferson	399,171	209,340	95,677	94,154
Randolph	281,648	143,952	65,106	72,590
St. Clair	306,180	171,203	85,263	49,714
Shelby	348,370	166,085	94,994	87,291
Talladega	313,094	148,886	87,415	76,792
Total	3,317,551	1,706,326	910,788	700,435

TIMBERLAND ACRES BY FOREST STAND SIZE - EAST CENTRAL REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Autauga	297,273	113,379	90,144	93,749
Chambers	308,739	153,095	75,198	80,446
Chilton	315,657	132,318	118,582	64,758
Coosa	381,866	142,289	116,619	122,958
Elmore	244,602	127,724	83,497	33,381
Lee	256,881	116,747	70,907	69,227
Lowndes	303,235	151,211	79,233	72,791
Macon	328,104	200,024	54,067	74,013
Montgomery	251,508	148,738	38,332	64,438
Russell	305,935	127,683	90,371	87,881
Tallapoosa	384,539	170,074	146,073	68,392
Total	3,378,339	1,583,282	963,023	832,034

TIMBERLAND ACRES BY FOREST STAND SIZE - SOUTHWEST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Baldwin	742,029	278,232	264,690	199,106
Choctaw	523,626	225,656	125,854	172,115
Clarke	744,784	377,669	146,417	220,698
Conecuh	448,687	183,846	120,572	144,269
Escambia	469,700	123,372	130,262	216,066
Marengo	465,398	204,075	120,843	140,480
Mobile	487,804	218,019	103,317	166,468
Monroe	581,092	246,123	137,438	197,531
Washington	644,940	295,575	223,040	126,324
Wilcox	512,380	229,173	139,824	143,384
Total	5,620,440	2,381,740	1,512,257	1,726,441

TIMBERLAND ACRES BY FOREST STAND SIZE - SOUTHEAST REGION

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Barbour	418,722	191,017	114,972	112,733
Bullock	314,036	160,613	75,160	78,263
Butler	406,193	188,313	114,857	103,024
Coffee	229,417	73,045	95,875	60,497
Covington	506,174	243,866	153,751	108,557
Crenshaw	310,837	187,828	53,597	69,411
Dale	250,594	129,030	48,579	72,986
Geneva	213,042	94,852	61,012	57,179
Henry	255,424	92,460	93,063	69,902
Houston	179,736	91,351	53,011	35,374
Pike	304,558	133,881	84,802	85,875
Total	3,388,733	1,586,256	948,679	853,801

NOTES: Statistics come from 2013 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.

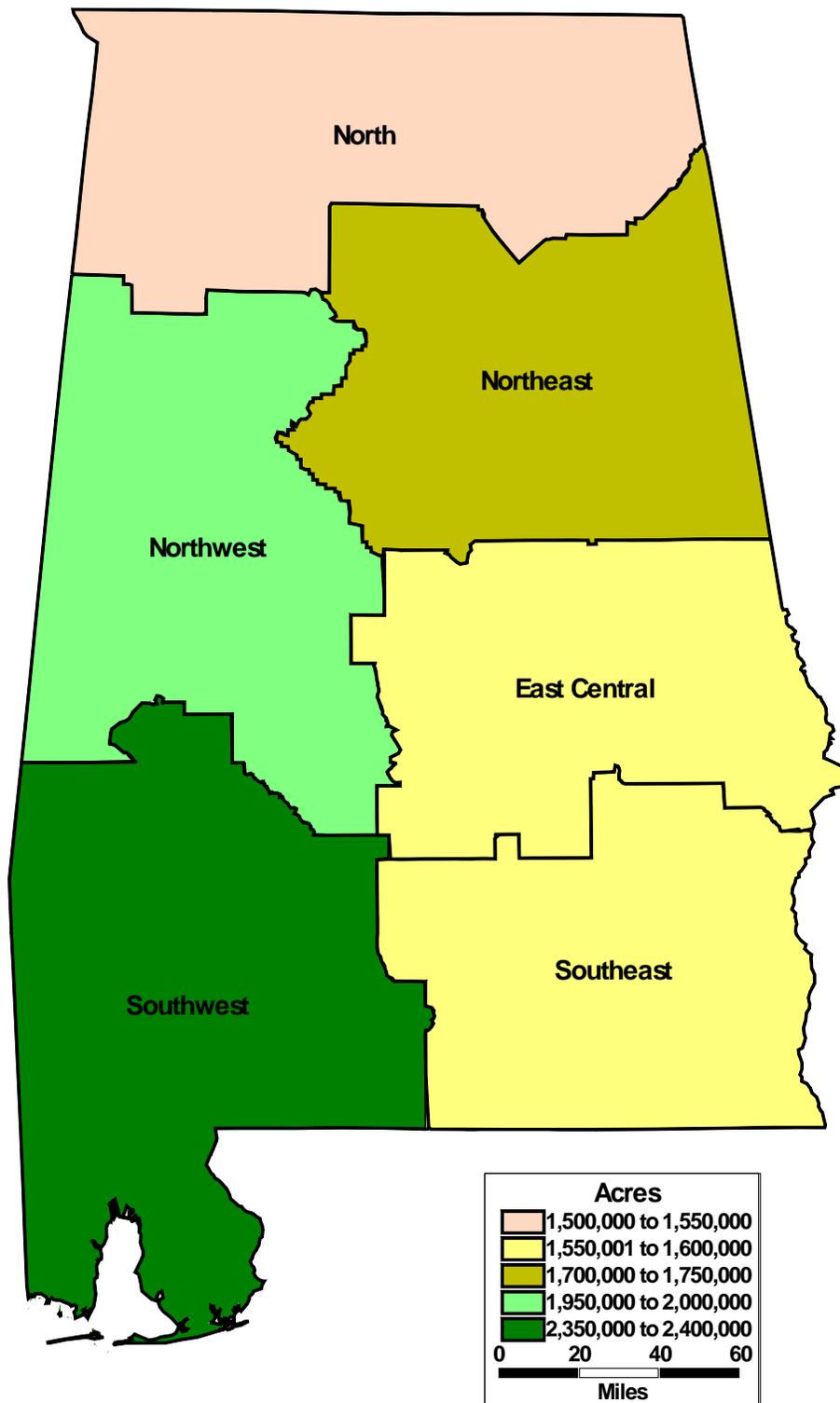
****NOTE:** In a stand where seedlings/saplings make up over 50% of the crown cover **but less than 67%**, stand size is determined by the predominance of either pulpwood-sized trees or sawtimber-sized trees. **EXAMPLE:** In a two-storied pine shelterwood stand comprised of sawtimber and pulpwood-sized 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.

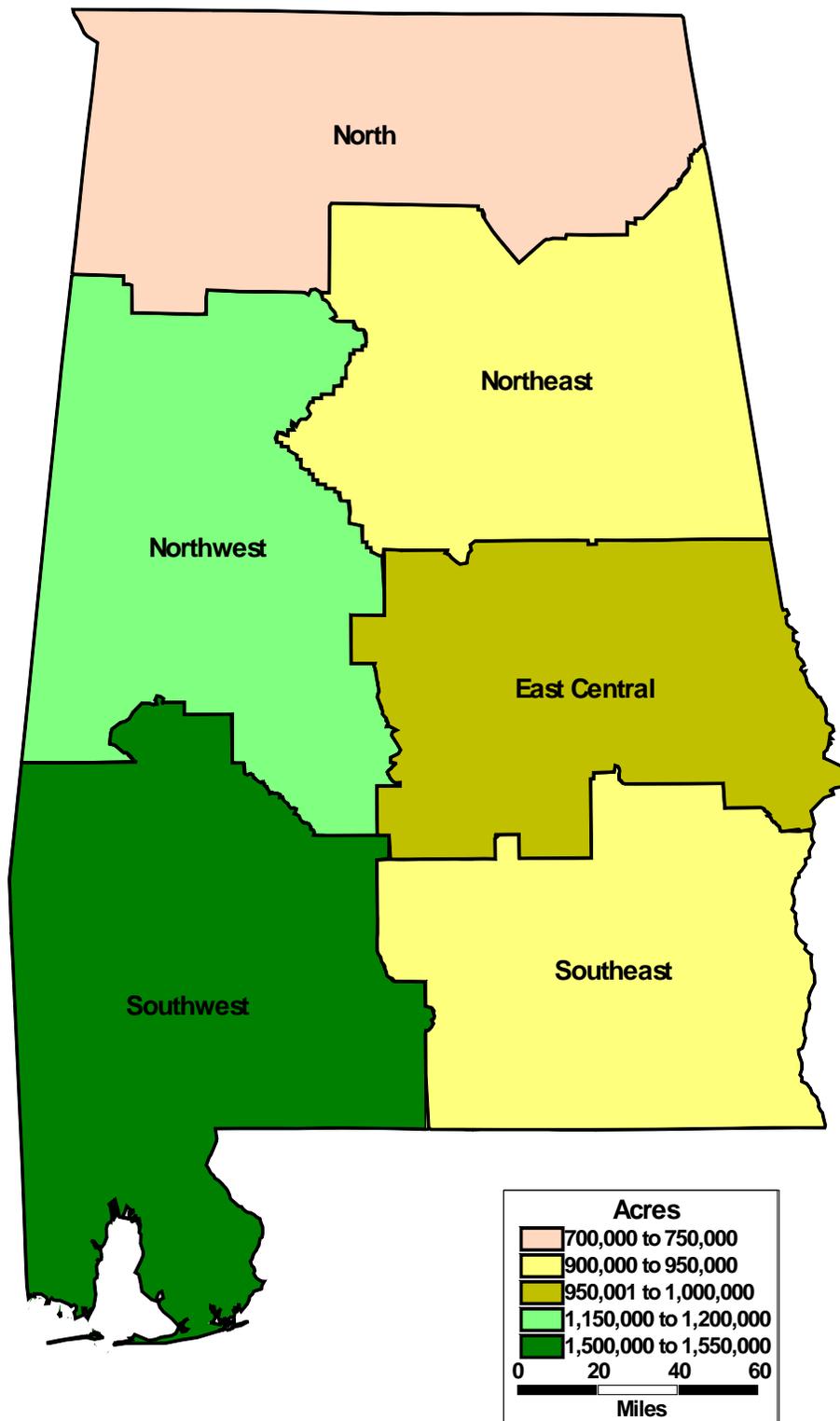
A tract of timberland is classified as “non-stocked” if at the time the FIA plot was inventoried there was <10% stocking of trees. This situation occurs on sites that have recently been clearcut.

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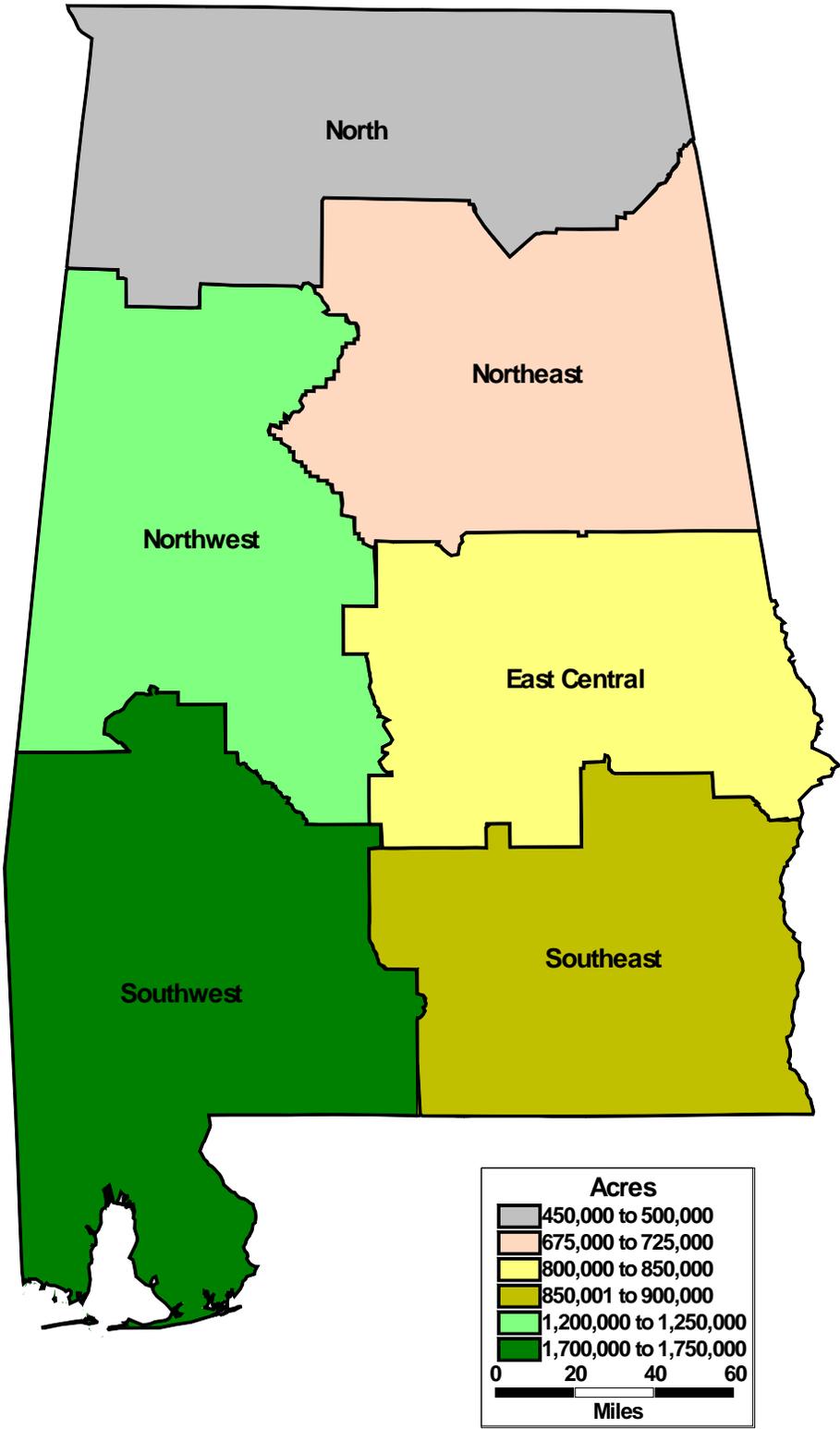
Timberland Acres by AFC Region and Stand Size - SAWTIMBER



Timberland Acres by AFC Region and Stand Size - PULPWOOD



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



Timber Volume

- There are 560.6 million tons of softwood growing stock volume and 576.9 million tons of hardwood growing stock volume in Alabama.
- Since 2000 total growing stock volume (tons) has increased by 14.9%; softwood volume has increased by 25.5% and hardwood volume has increased by 5.5%.
- There are approximately 919.5 million dry tons of 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 19.8% 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; 52.9% more than the Northwest Region which ranks second.
- The North Region has the most hardwood volume; 5.5% more than the Northwest Region which ranks second.

GROWING STOCK VOLUME BY SPECIES GROUP - NORTH REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Colbert	11,729,549	2,788,752	8,940,797
DeKalb	11,338,872	3,513,408	7,825,464
Franklin	14,982,494	6,423,324	8,559,170
Jackson	28,922,896	1,936,212	26,986,684
Lauderdale	8,944,324	1,498,977	7,445,347
Lawrence	11,866,562	4,211,463	7,655,100
Limestone	6,473,217	300,478	6,172,739
Madison	13,421,102	2,174,379	11,246,723
Marion	16,426,796	9,944,823	6,481,973
Marshall	8,769,548	1,821,320	6,948,228
Morgan	13,595,432	2,593,597	11,001,836
Winston	16,963,158	7,169,768	9,793,389
Total	163,433,951	44,376,500	119,057,451

GROWING STOCK VOLUME BY SPECIES GROUP - NORTHWEST REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Bibb	19,240,322	9,091,635	10,148,686
Dallas	16,091,292	6,277,139	9,814,153
Fayette	16,122,210	8,690,920	7,431,290
Greene	15,704,695	6,207,238	9,497,458
Hale	14,531,967	6,963,276	7,568,691
Lamar	17,371,335	7,097,115	10,274,220
Perry	15,370,192	9,556,027	5,814,165
Pickens	21,909,789	10,123,584	11,786,204
Sumter	20,622,234	10,005,635	10,616,599
Tuscaloosa	36,415,597	17,111,495	19,304,102
Walker	19,607,476	9,043,071	10,564,405
Total	212,987,110	100,167,136	112,819,974

GROWING STOCK VOLUME BY SPECIES GROUP - NORTHEAST REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Blount	11,890,724	5,551,804	6,338,921
Calhoun	11,225,197	4,563,357	6,661,840
Cherokee	12,911,620	5,741,325	7,170,295
Clay	17,337,954	8,684,477	8,653,477
Cleburne	17,032,186	9,022,612	8,009,574
Cullman	11,756,697	3,707,740	8,048,957
Etowah	11,739,680	4,015,071	7,724,610
Jefferson	23,386,838	11,983,290	11,403,548
Randolph	14,711,676	8,193,070	6,518,606
St. Clair	17,964,719	7,489,157	10,475,562
Shelby	18,856,913	8,601,279	10,255,634
Talladega	17,627,622	10,657,832	6,969,791
Total	186,441,827	88,211,013	98,230,814

GROWING STOCK VOLUME BY SPECIES GROUP - EAST CENTRAL REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	12,134,531	6,879,237	5,255,294
Chambers	14,774,535	9,027,344	5,747,191
Chilton	14,090,222	6,721,295	7,368,927
Coosa	16,943,020	10,284,497	6,658,524
Elmore	12,992,841	6,649,206	6,343,636
Lee	14,005,163	8,206,609	5,798,554
Lowndes	13,137,932	7,463,802	5,674,129
Macon	16,505,594	7,781,749	8,723,845
Montgomery	12,459,333	3,324,658	9,134,675
Russell	12,135,961	4,797,133	7,338,828
Tallapoosa	20,421,972	11,412,386	9,009,586
Total	159,601,105	82,547,917	77,053,188

GROWING STOCK VOLUME BY SPECIES GROUP - SOUTHWEST REGION

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Baldwin	31,836,863	18,889,137	12,947,726
Choctaw	30,018,980	18,813,950	11,205,030
Clarke	33,448,955	20,317,675	13,131,280
Conecuh	17,576,178	10,593,283	6,982,894
Escambia	16,028,795	12,187,612	3,841,183
Marengo	23,674,360	10,364,939	13,309,421
Mobile	19,288,454	11,794,888	7,493,565
Monroe	27,345,497	16,530,816	10,814,681
Washington	32,708,287	21,248,689	11,459,598
Wilcox	23,332,827	12,467,562	10,865,265
Total	255,259,196	153,208,551	102,050,645

GROWING STOCK VOLUME BY SPECIES GROUP - SOUTHEAST REGION

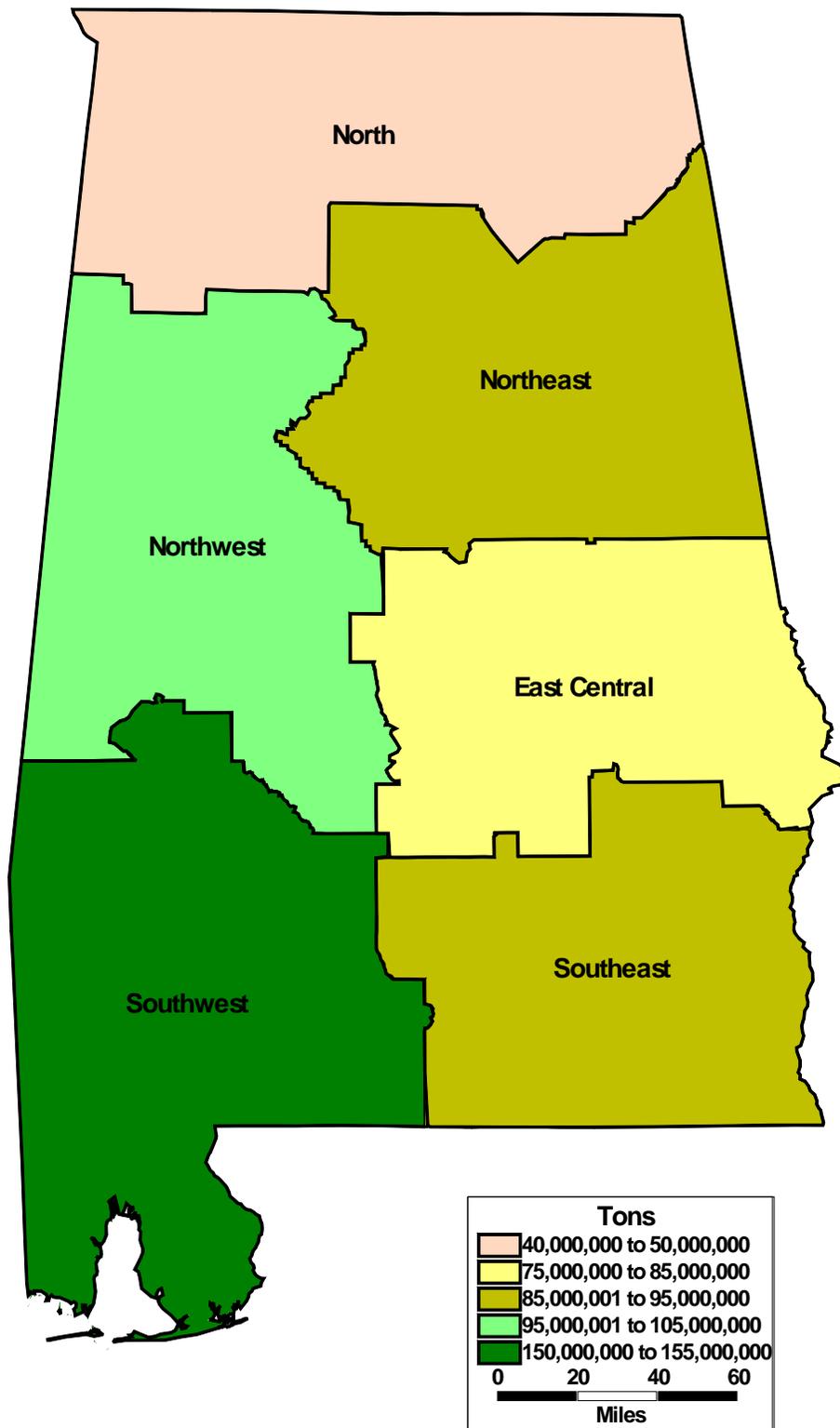
County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Barbour	20,586,888	12,418,572	8,168,316
Bullock	15,045,053	8,519,700	6,525,353
Butler	18,092,728	11,889,398	6,203,331
Coffee	8,839,294	5,336,748	3,502,546
Covington	22,626,259	16,284,447	6,341,812
Crenshaw	16,091,553	8,455,974	7,635,579
Dale	13,334,826	4,854,187	8,480,640
Geneva	11,633,816	6,317,148	5,316,668
Henry	10,438,996	5,686,453	4,752,543
Houston	9,200,841	3,994,498	5,206,343
Pike	13,863,005	8,327,724	5,535,281
Total	159,753,259	92,084,848	67,668,411

NOTES: Statistics come from 2013 Forest Inventory & Analysis (FIA) data.

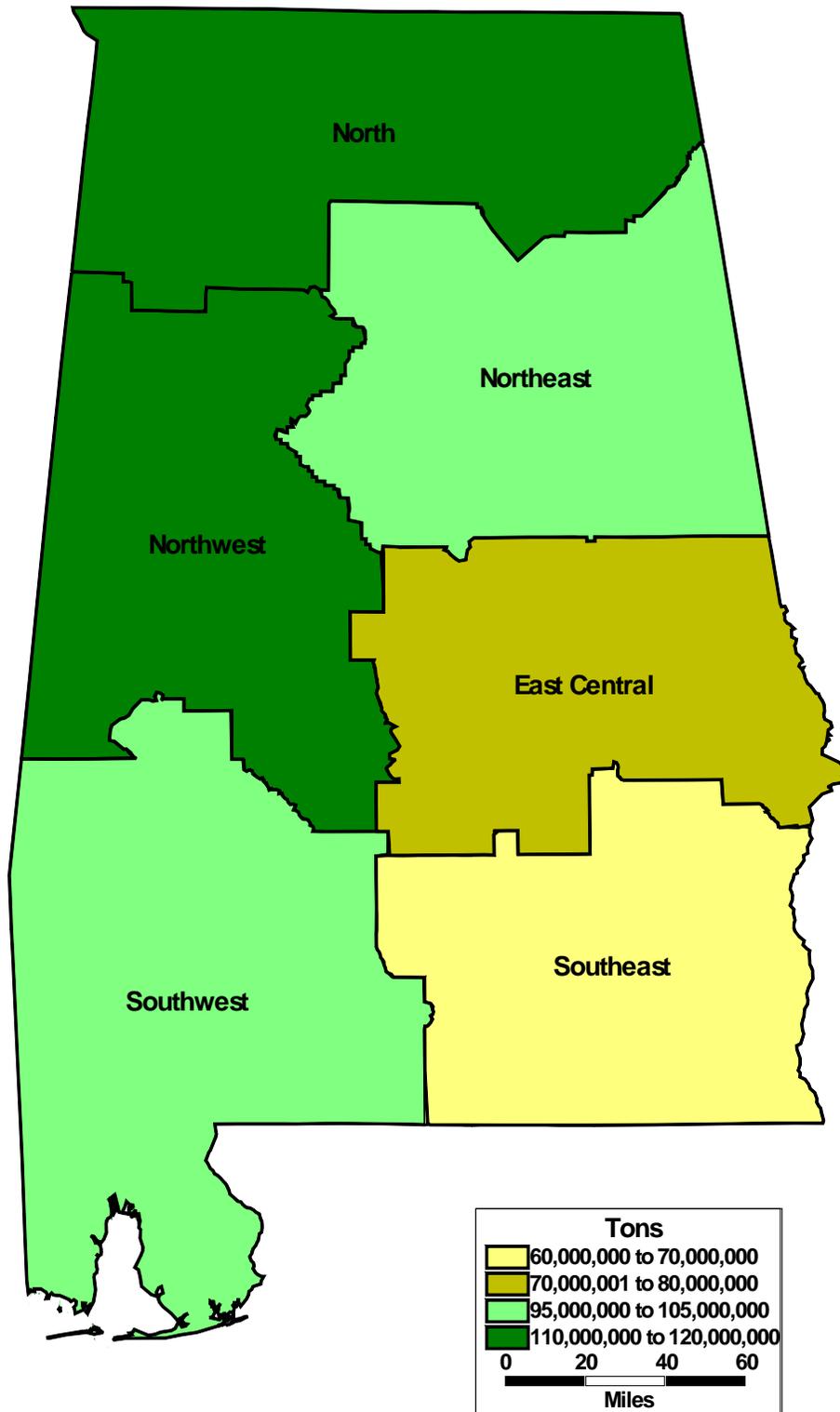
“Growing stock” refers to high-quality trees capable of producing lumber, veneer, poles, or ties/timbers currently or in the future, based on FIA specifications.

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

Growing Stock Volume by AFC Region and Species Group - SOFTWOODS



Growing Stock Volume by AFC Region and Species Group - HARDWOODS



Timber Net Growth (total growth minus mortality) - Period 2001 to 2013

- For the time period 2001 to 2013, softwood net growth amounted to 42.7 million tons annually and net growth for hardwoods was 17.3 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 SPECIES GROUP

NORTH REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Colbert	481,939	177,799	304,140
DeKalb	444,994	209,735	235,258
Franklin	848,181	651,127	197,054
Jackson	850,044	155,680	694,365
Lauderdale	455,434	127,857	327,577
Lawrence	314,072	186,273	127,800
Limestone	257,439	24,159	233,280
Madison	333,636	28,752	304,885
Marion	1,175,243	954,683	220,560
Marshall	269,320	81,101	188,219
Morgan	526,556	156,009	370,547
Winston	814,030	496,390	317,640
Total	6,770,889	3,249,564	3,521,325

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY SPECIES GROUP

NORTHWEST REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Bibb	757,138	495,904	261,234
Dallas	858,007	670,132	187,875
Fayette	1,073,359	743,206	330,152
Greene	594,808	386,836	207,972
Hale	602,056	494,414	107,642
Lamar	1,214,207	720,005	494,202
Perry	924,080	752,285	171,795
Pickens	1,387,236	1,024,849	362,388
Sumter	959,243	677,713	281,529
Tuscaloosa	1,939,000	1,299,605	639,395
Walker	1,049,016	710,236	338,780
Total	11,358,150	7,975,185	3,382,965

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY SPECIES GROUP

NORTHEAST REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Blount	598,975	454,465	144,510
Calhoun	434,365	298,728	135,637
Cherokee	657,932	452,618	205,314
Clay	889,199	560,046	329,153
Cleburne	713,127	483,025	230,102
Cullman	676,656	316,130	360,526
Etowah	551,069	326,842	224,227
Jefferson	1,067,808	793,758	274,050
Randolph	826,141	567,790	258,351
St. Clair	796,297	498,548	297,748
Shelby	953,893	633,191	320,702
Talladega	968,833	743,089	225,744
Total	9,134,293	6,128,230	3,006,063

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY SPECIES GROUP

EAST CENTRAL REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	799,924	633,590	166,334
Chambers	1,002,588	790,728	211,860
Chilton	796,284	517,692	278,592
Coosa	1,203,629	901,749	301,880
Elmore	787,498	545,694	241,803
Lee	877,776	673,817	203,959
Lowndes	951,395	753,497	197,898
Macon	703,968	452,377	251,591
Montgomery	570,613	286,322	284,292
Russell	779,635	544,336	235,299
Tallapoosa	1,353,241	1,043,015	310,226
Total	9,826,551	7,142,815	2,683,735

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY SPECIES GROUP

SOUTHWEST REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Baldwin	1,268,813	1,078,075	190,738
Choctaw	1,526,920	1,274,455	252,465
Clarke	1,907,550	1,442,426	465,124
Conecuh	1,151,017	987,580	163,438
Escambia	946,989	895,438	51,551
Marengo	1,211,142	924,103	287,039
Mobile	834,587	658,431	176,156
Monroe	1,107,856	985,849	122,007
Washington	1,746,150	1,426,054	320,096
Wilcox	1,287,726	1,104,758	182,967
Total	12,988,750	10,777,169	2,211,581

AVERAGE ANNUAL NET GROWTH OF GROWING STOCK BY SPECIES GROUP

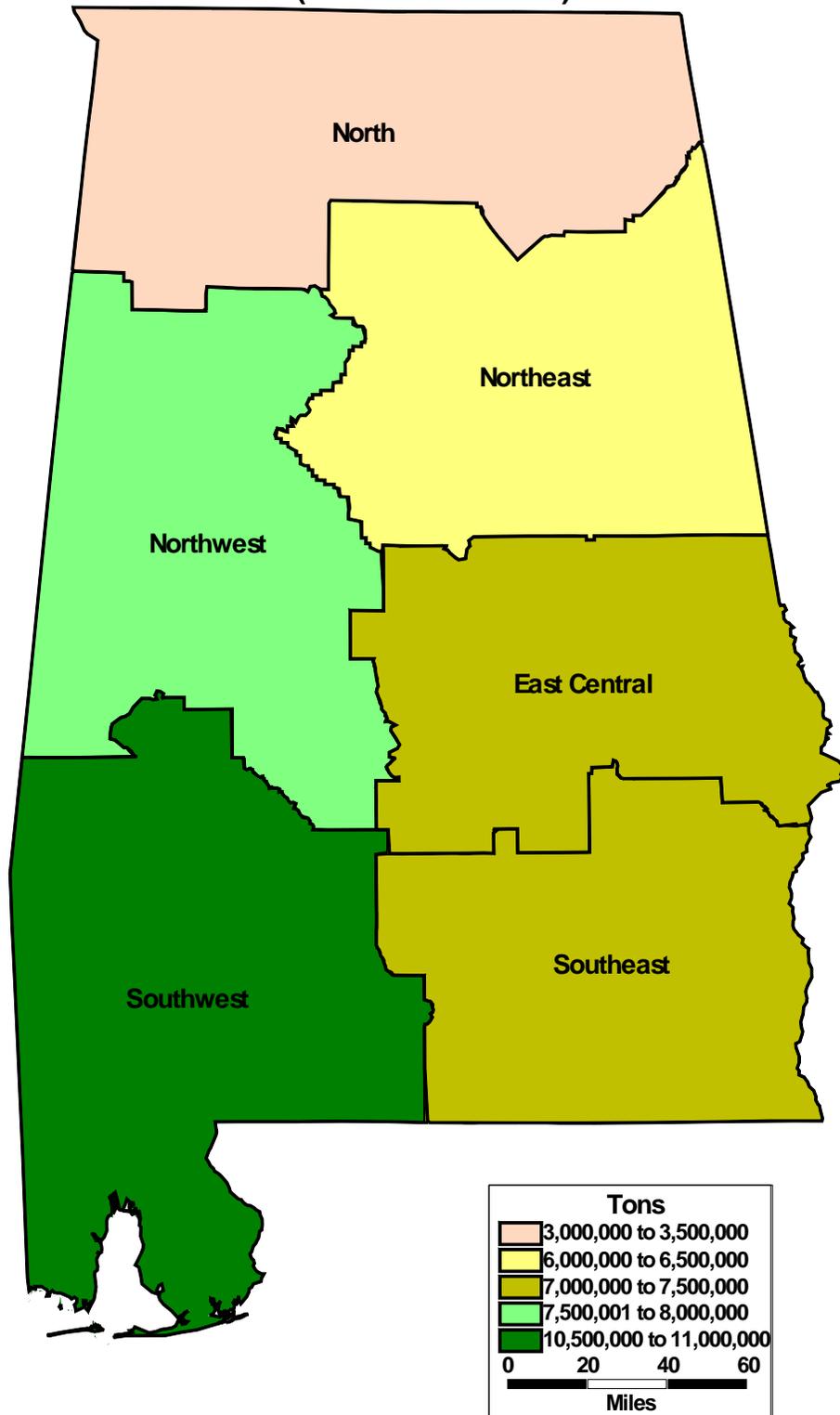
SOUTHEAST REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Barbour	1,393,244	1,085,411	307,833
Bullock	945,971	725,047	220,923
Butler	1,414,211	1,131,987	282,224
Coffee	740,935	532,465	208,470
Covington	1,252,850	1,022,416	230,434
Crenshaw	1,047,580	751,402	296,178
Dale	595,091	340,822	254,270
Geneva	398,048	250,792	147,256
Henry	697,628	495,106	202,521
Houston	434,243	338,493	95,750
Pike	957,909	706,741	251,168
Total	9,877,709	7,380,682	2,497,027

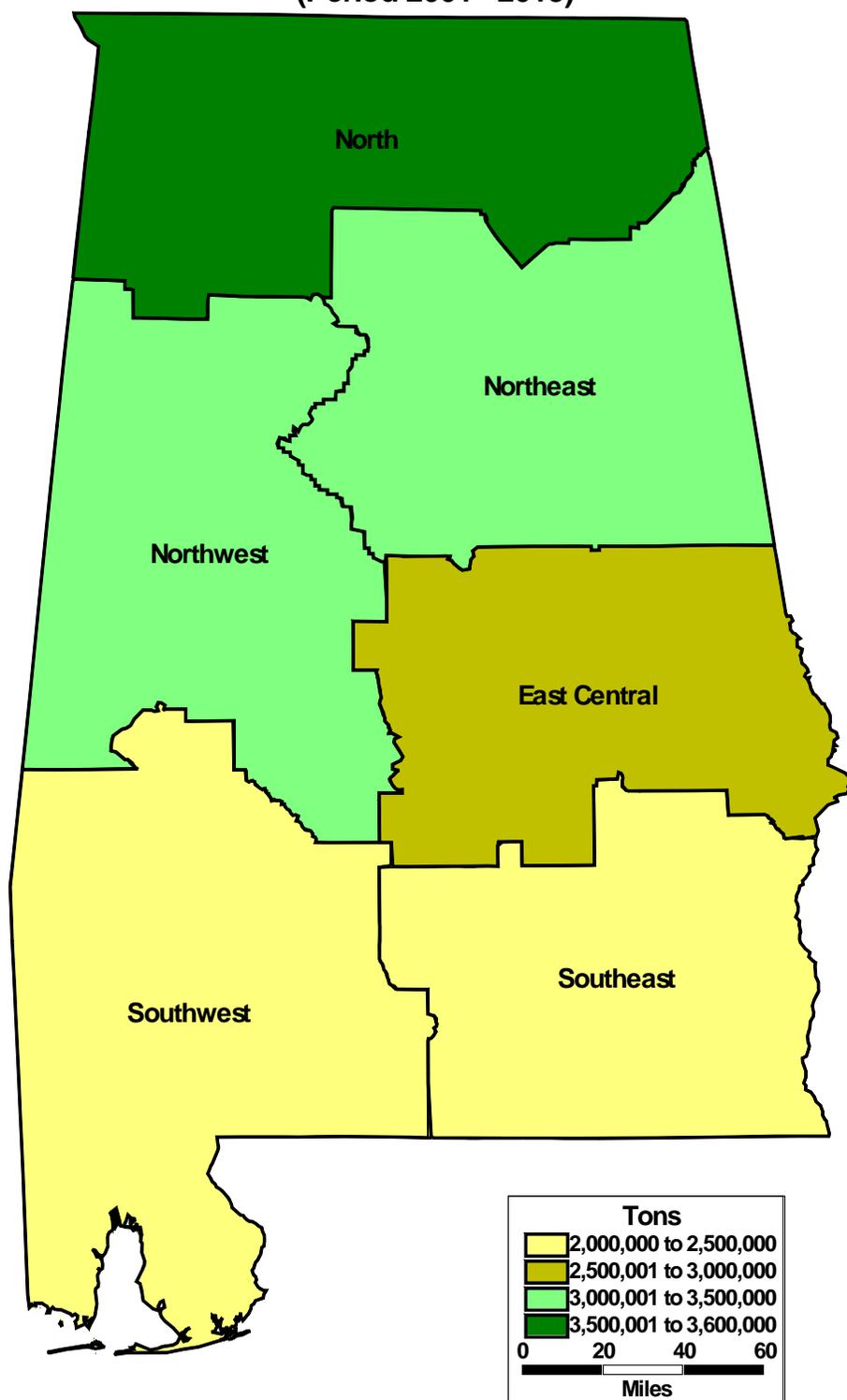
NOTE: Statistics come from 2013 Forest Inventory & Analysis (FIA) data.

Numbers in rows and columns may not sum due to rounding

**Average Annual Net Growth by AFC Region and Species Group - SOFTWOODS
(Period 2001 - 2013)**



Average Annual Net Growth by AFC Region and Species Group - HARDWOODS
(Period 2001 - 2013)



Timber Harvest Removals - Period 2001 to 2013

- Softwood volume removed annually as a result of harvesting during the 2001 to 2013 time period amounted to 31.6 million tons. Based on the total timber volume in Alabama in 2013, approximately 5.6% of total pine volume was harvested annually during the 2001 to 2013 period. Hardwood volume removed annually averaged 10.9 million tons. Using the same criteria as above approximately 1.9% of total hardwood volume was harvested annually from 2001 to 2013.
- The Southwest Region led the state in softwood (virtually all pine) harvests while the amount of hardwoods harvested was highest in the Northwest Region. Average annual softwood removal volumes nearly doubled the amount of removals in the region that ranked second (Northwest). Thirty-five percent of all softwood harvest removals came from the Southwest Region. Exceptionally high removal volumes in the Southwest Region can be attributed in part to the major hurricanes that affected the region in 2004 and 2005. Large amounts of timber were destroyed and subsequently harvested as a result of the hurricanes.

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY SPECIES GROUP

NORTH REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Colbert	96,432	30,697	65,735
DeKalb	260,454	65,628	194,826
Franklin	167,889	60,479	107,410
Jackson	554,349	198,644	355,706
Lauderdale	278,895	133,872	145,023
Lawrence	206,676	122,466	84,210
Limestone	32,849	0	32,849
Madison	181,030	0	181,030
Marion	725,099	603,358	121,741
Marshall	242,542	159,746	82,796
Morgan	431,517	224,635	206,882
Winston	294,571	201,536	93,035
Total	3,472,302	1,801,059	1,671,243

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY SPECIES GROUP

NORTHWEST REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Bibb	607,521	557,149	50,373
Dallas	1,479,824	1,052,415	427,409
Fayette	605,328	495,528	109,801
Greene	442,185	158,185	284,000
Hale	552,926	306,008	246,918
Lamar	443,948	369,215	74,733
Perry	661,473	518,412	143,060
Pickens	1,185,588	931,854	253,734
Sumter	1,250,412	633,789	616,623
Tuscaloosa	851,280	575,445	275,835
Walker	609,830	472,370	137,460
Total	8,690,315	6,070,370	2,619,945

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY SPECIES GROUP

NORTHEAST REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Blount	457,825	237,282	220,543
Calhoun	245,209	232,970	12,239
Cherokee	394,422	271,222	123,200
Clay	515,878	401,753	114,124
Cleburne	475,724	405,396	70,328
Cullman	400,252	139,980	260,271
Etowah	90,483	56,922	33,561
Jefferson	598,095	440,196	157,900
Randolph	361,213	240,094	121,120
St. Clair	251,066	214,672	36,394
Shelby	615,562	431,554	184,007
Talladega	603,440	453,148	150,292
Total	5,009,168	3,525,190	1,483,978

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY SPECIES GROUP

EAST CENTRAL REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	322,921	250,442	72,479
Chambers	1,035,699	796,371	239,328
Chilton	374,605	201,146	173,459
Coosa	879,056	697,888	181,168
Elmore	106,506	99,807	6,700
Lee	442,517	351,692	90,824
Lowndes	444,656	342,444	102,212
Macon	551,557	217,904	333,653
Montgomery	340,258	135,980	204,279
Russell	545,370	426,889	118,480
Tallapoosa	785,648	629,120	156,528
Total	5,828,792	4,149,683	1,679,109

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY SPECIES GROUP

SOUTHWEST REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Baldwin	1,230,392	1,178,251	52,141
Choctaw	1,561,281	1,302,180	259,100
Clarke	2,521,351	1,980,097	541,254
Conecuh	1,374,891	1,025,453	349,437
Escambia	866,457	822,355	44,102
Marengo	893,370	763,701	129,669
Mobile	952,440	816,686	135,753
Monroe	1,161,955	911,608	250,347
Washington	1,280,281	1,137,026	143,254
Wilcox	1,213,594	1,074,825	138,769
Total	13,056,010	11,012,183	2,043,827

AVERAGE ANNUAL REMOVALS OF GROWING STOCK BY SPECIES GROUP

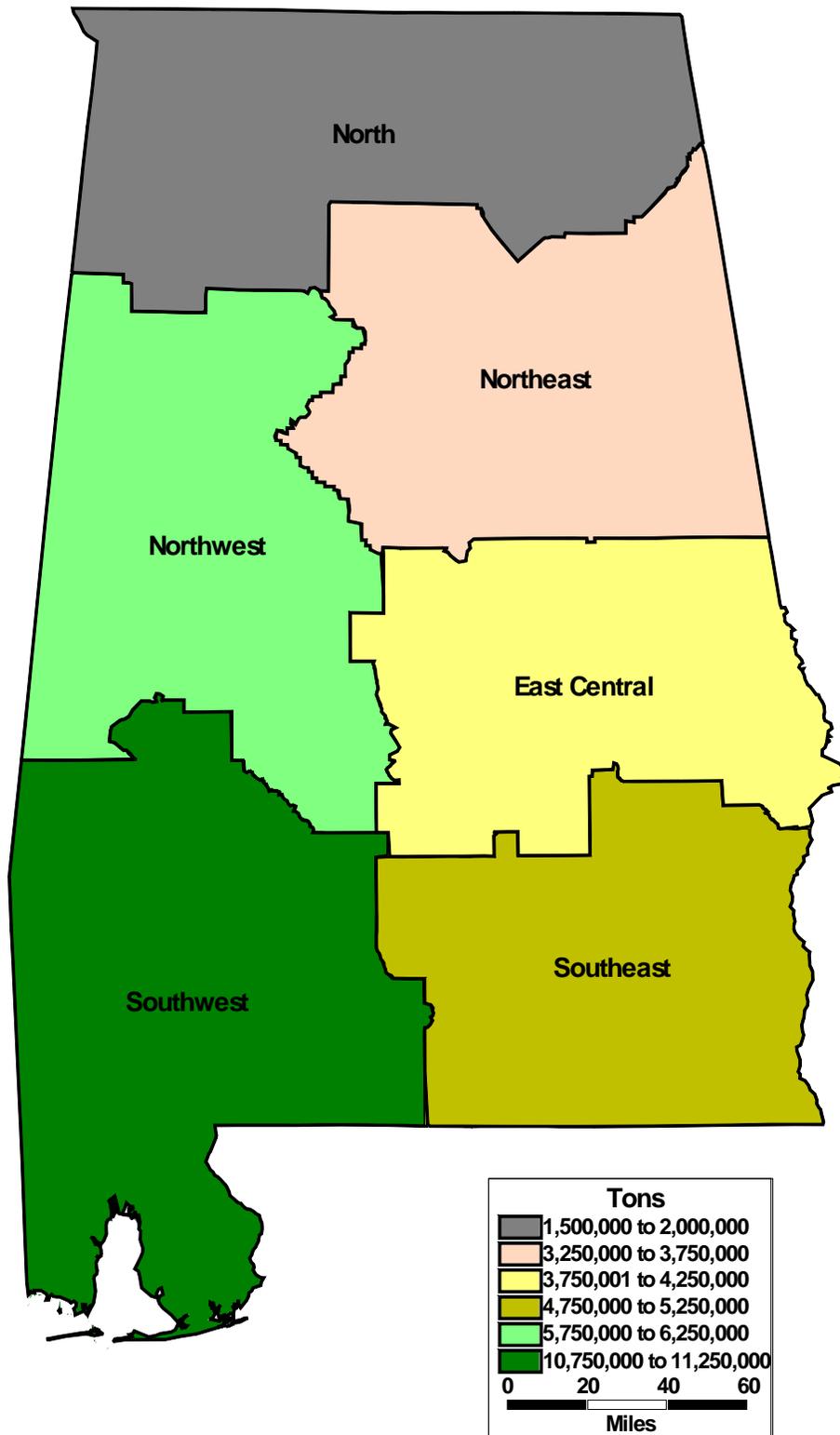
SOUTHEAST REGION (Period 2001 – 2013)

County	Total	Softwoods	Hardwoods
<i>Tons</i>			
Barbour	833,208	570,169	263,039
Bullock	475,025	417,843	57,182
Butler	850,801	678,870	171,931
Coffee	446,130	345,267	100,863
Covington	774,167	700,441	73,726
Crenshaw	1,080,522	908,015	172,507
Dale	514,487	328,613	185,874
Geneva	168,070	145,715	22,355
Henry	418,994	280,124	138,870
Houston	159,122	116,330	42,791
Pike	666,936	518,058	148,879
Total	6,387,462	5,009,444	1,378,017

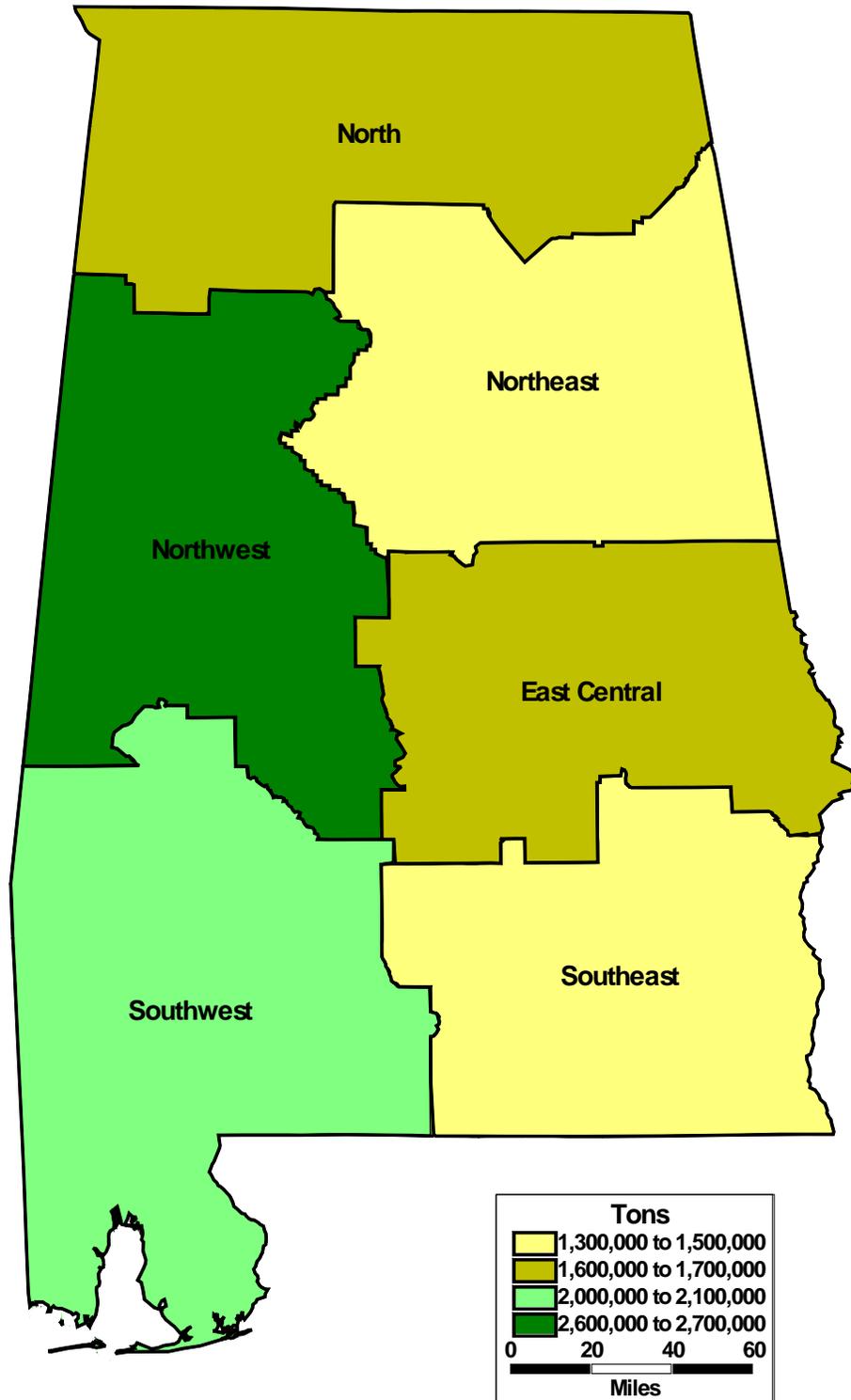
NOTE: Statistics come from 2013 Forest Inventory & Analysis (FIA) data.

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

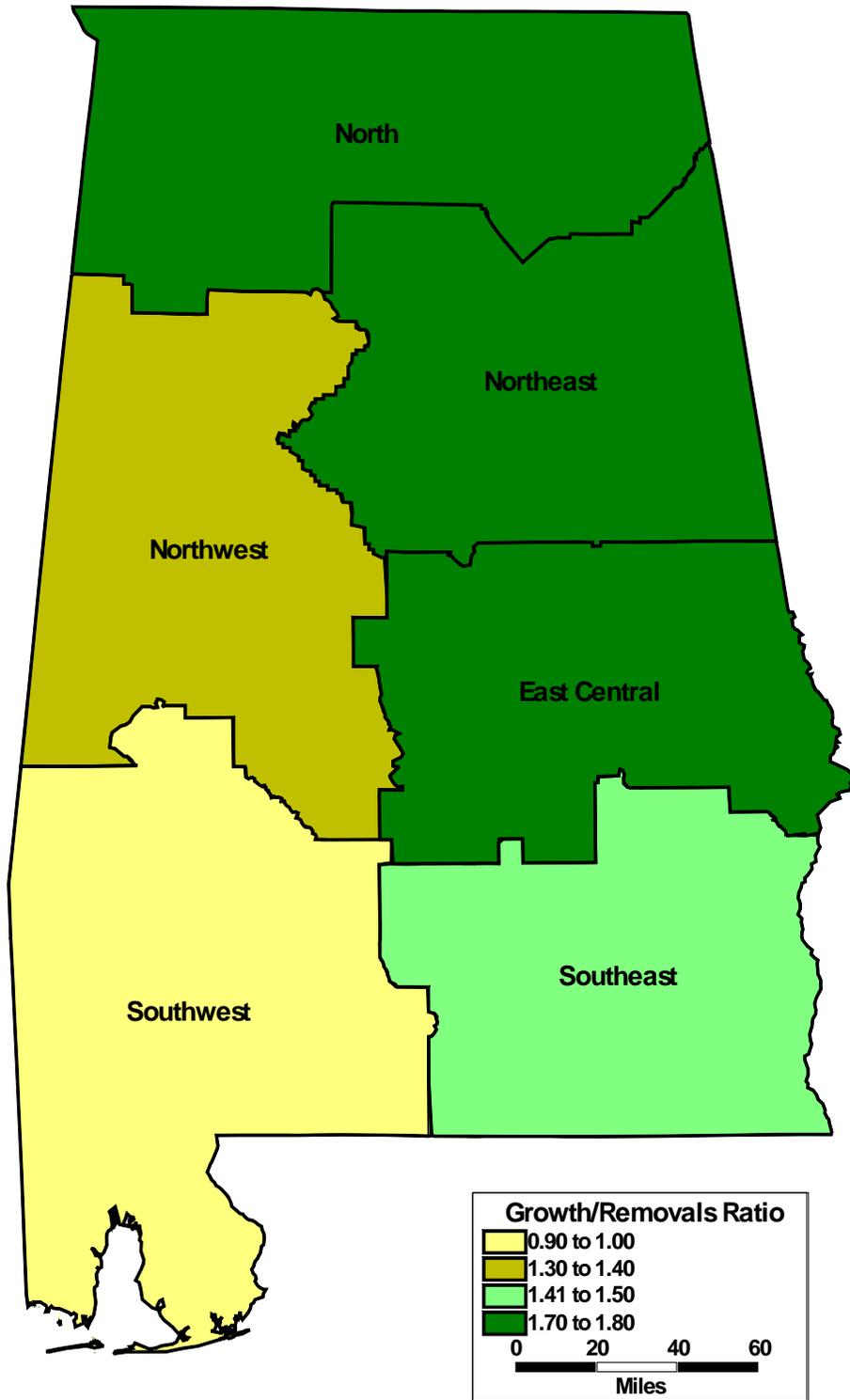
Average Annual Removals by AFC Region and Species Group - **SOFTWOODS**
(Period 2001 - 2013)



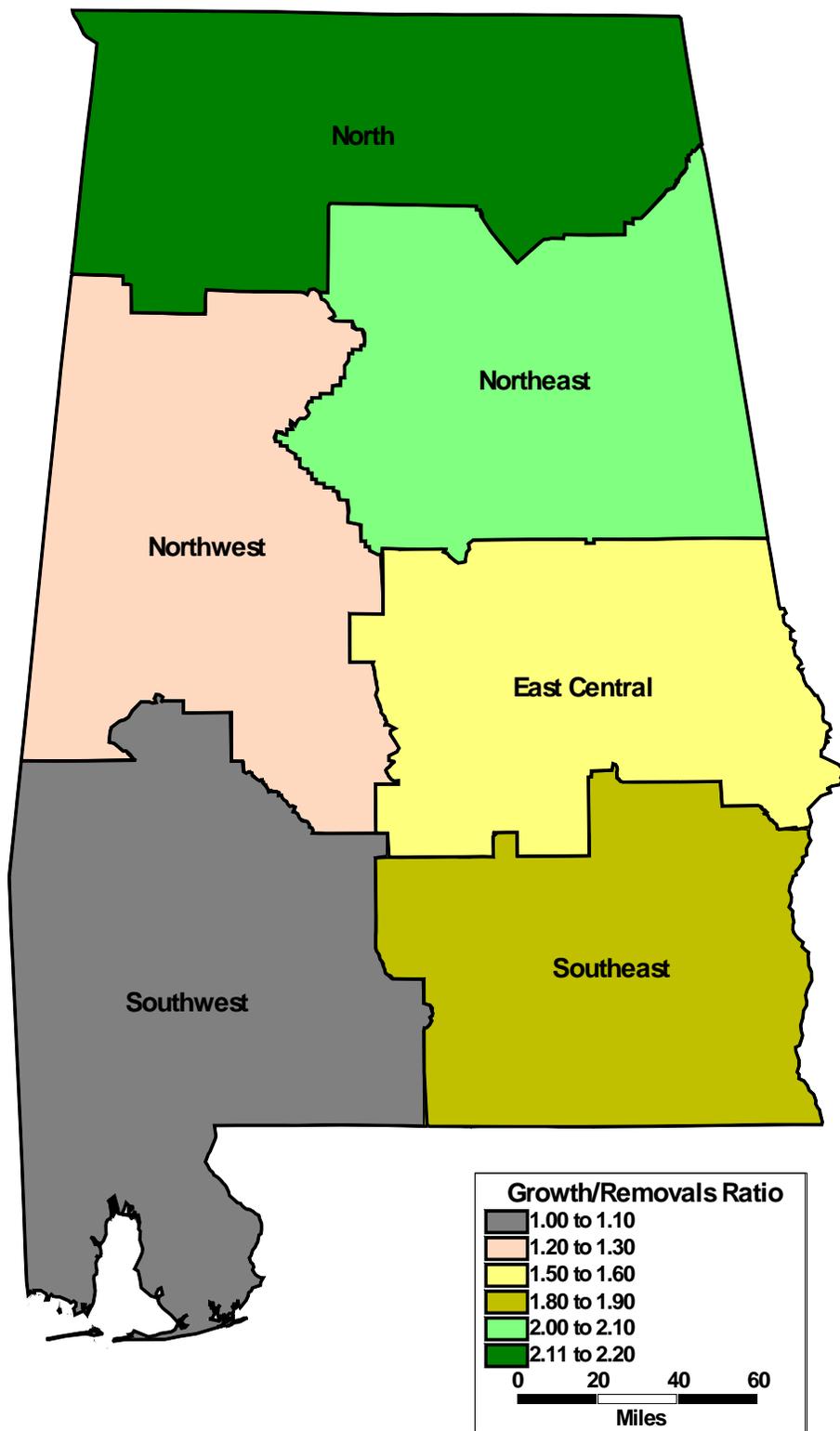
Average Annual Removals by AFC Region and Species Group - HARDWOODS
(Period 2001 - 2013)



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



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



2013 Timber Harvests Volume

- Based on Alabama Department of Revenue severance tax reports for 2013, 1.29 billion board feet of pine sawtimber (Scribner log rule) and 171.6 million board feet of hardwood sawtimber (Doyle log rule) were harvested. In addition, approximately 7.8 million cords of pine pulpwood were harvested while 2.85 million cords of hardwood pulpwood were harvested.
- Sawtimber harvests (includes poles) accounted for 25% of the total harvests in 2013 while pulpwood accounted for 75% of the total volume harvested. (See chart on page 39) Of all sawtimber that was harvested in 2013, 83% consisted of pine and only 17% consisted of hardwood species.
- Pine sawtimber harvests have increased each of the last 4 years while hardwood sawtimber harvests have fluctuated over the same time span. When comparing 2013 sawtimber harvests to the previous five year period's average harvest volume, pine sawtimber harvests have increased by 12.9% while the amount of hardwood sawtimber harvested has decreased by 6.8%. (see chart on page 40) 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 4 years and in 2013 the number of starts was 463,500. In addition, shipments of southern yellow pine lumber amounted to 15.03 billion board feet in 2013, an increase of 5% over the amount shipped in 2012. Similar to housing starts, pine shipments have increased each of the last 4 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.

Despite the encouraging news for forest landowners regarding increases in pine sawtimber harvests over the past 4 years, the volume of sawtimber harvested for both pine and hardwood species groups was lower in 2013 than in any year from 1987 through 2008 (1987 was the first year the Forestry Commission tracked timber harvests). Since 2000, total softwood (mostly pine) sawtimber volume in Alabama has increased by 27% and hardwood sawtimber volume has increased by 15%. Whether or not the demand for pine sawtimber will continue to increase in 2014 depends primarily on the housing market. There are indications that new home construction will continue to increase, but only gradually. Factors inhibiting a strong housing market recovery include a sluggish economy, a weak job market, high consumer debt levels, and stricter lending standards.

- 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 2013, 73% consisted of pine and 27% consisted of hardwood species. When comparing 2013 pulpwood harvests to the previous five year period's average harvest volume, pine pulpwood harvests have increased by 15.2% while the amount of hardwood pulpwood harvested has decreased by 9.1%. (See chart on page 40) 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 results 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 Alabama, pine pulpwood production in 2013 increased by 6% over 2012 primarily because of the new pellet mill located in Pickens County which utilizes pine pulpwood to produce its pellets.

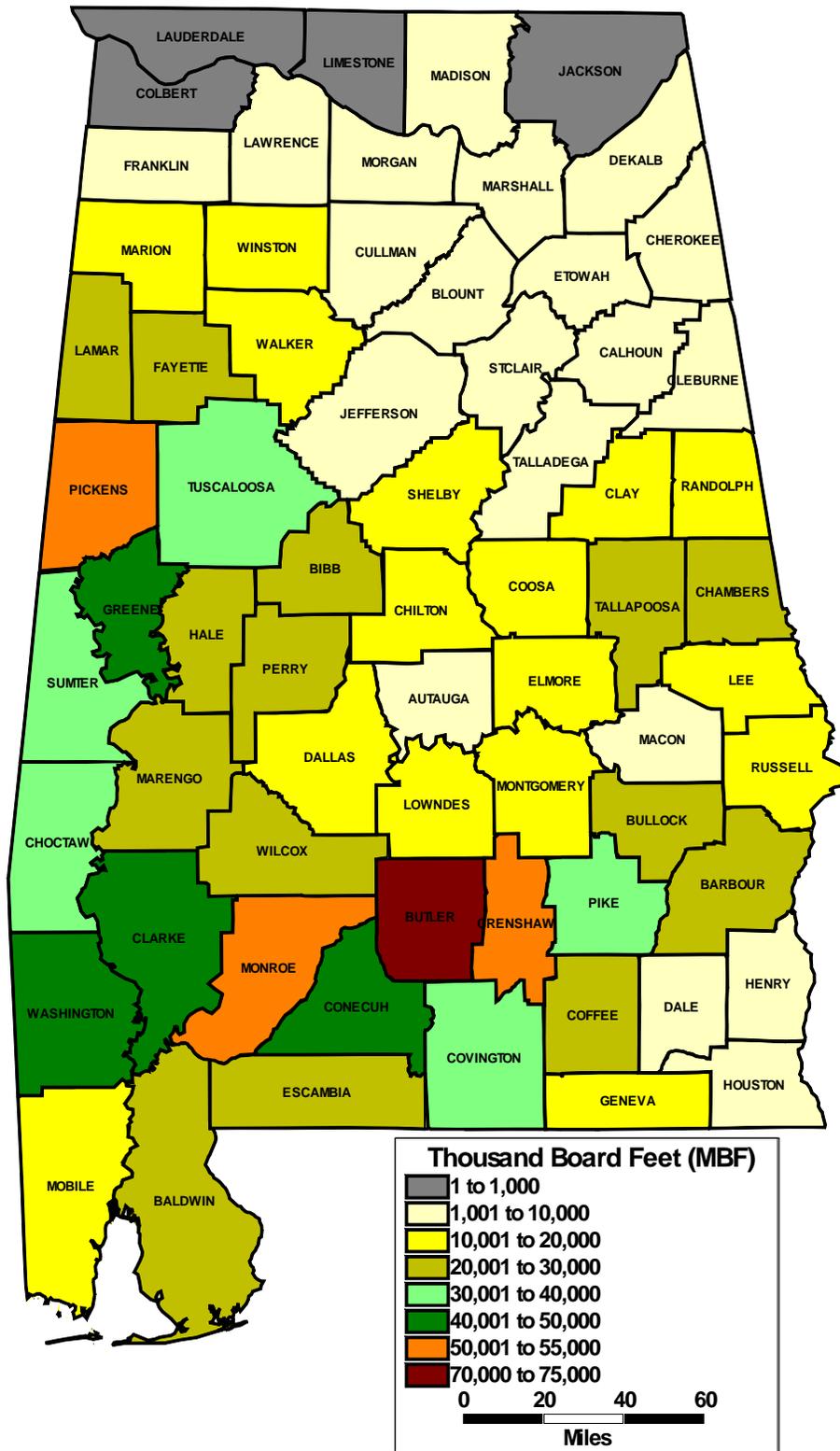
In the South region of the United States pulpwood production will likely remain high in the upcoming years in large part to the ever-increasing demand for wood pellets in Europe. 2013 wood pellet exports from North America to Europe were twice as much as they were in 2011 with the U.S. South accounting for 63% of the volume. As the demand for wood pellets and wood chips for biofuels 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 this year. Expected increased demand for packaging, containerboard, fluff pulp, and OSB will also increase the consumption of pulpwood.

Regarding pulpwood production in Alabama, the story may be different at least for the short term. Due to the cessation of paper production at the large International Paper pulpmill in Courtland, Alabama earlier this year, the amount of pulpwood harvested (both pine and hardwood) may decrease in Alabama at least for the near future.

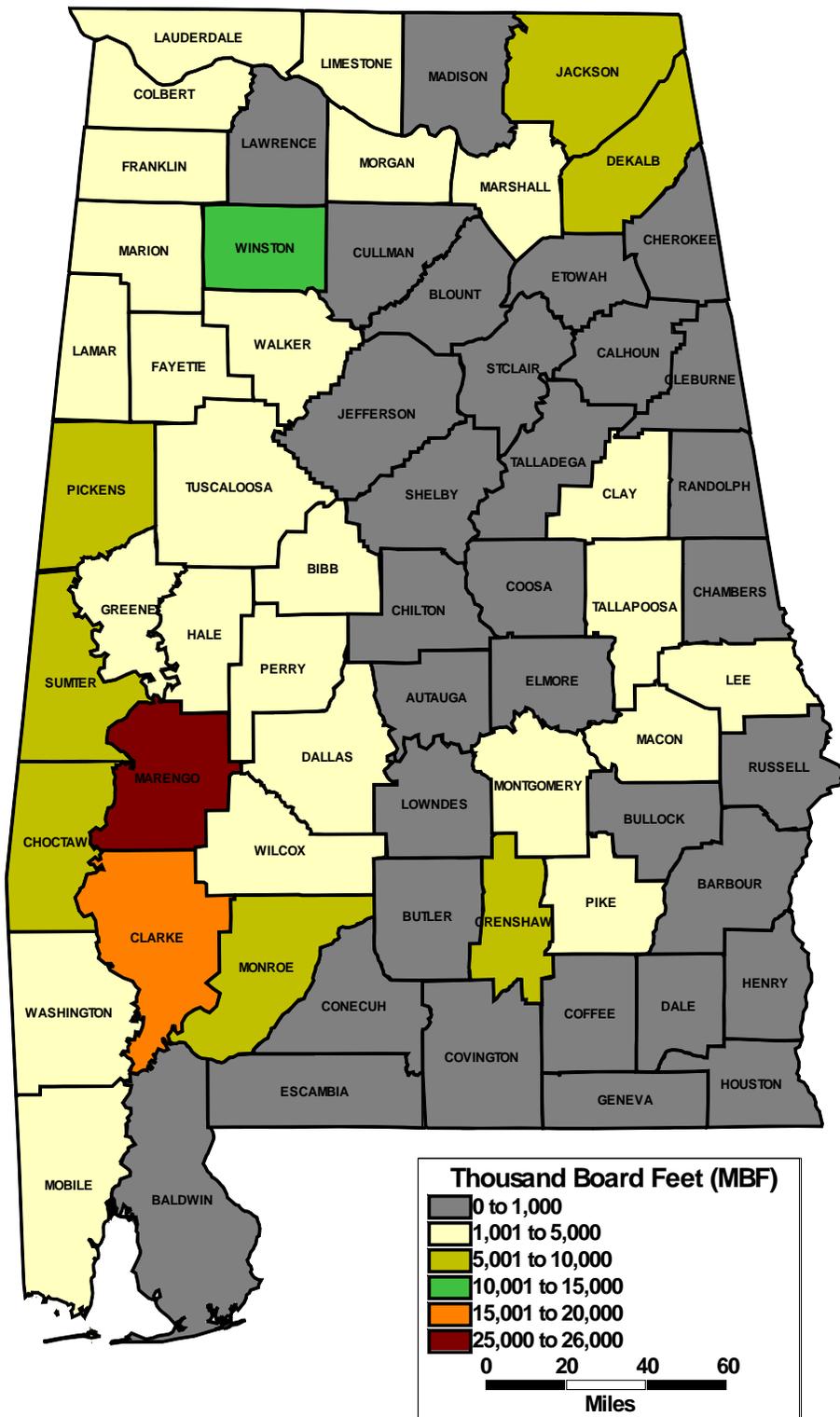
Table 1. Production of Forest Products by Product and County for Calendar Year 2013.					
	PINE	HARDWOOD a/	PINE	HARDWOOD	POLES AND
COUNTY	SAWTIMBER	SAWTIMBER	PULPWOOD	PULPWOOD	PILES
	<i>(mbf Scribner)</i>	<i>(mbf Doyle)</i>	<i>(cords)</i>	<i>(cords)</i>	<i>(mbf Doyle)</i>
Autauga	9,678	786	91,522	32,407	758
Baldwin	23,813	341	239,045	14,296	1,818
Barbour	25,642	959	320,446	56,388	248
Bibb	28,505	2,146	199,722	105,166	5,017
Blount	5,130	539	40,638	24,347	210
Bullock	26,442	866	147,295	24,189	97
Butler	74,448	93	211,005	45,625	3,767
Calhoun	4,940	175	66,736	30,126	11
Chambers	22,079	838	116,904	36,201	151
Cherokee	4,035	454	69,169	19,005	19
Chilton	15,635	891	139,240	39,200	341
Choctaw	35,634	7,234	294,590	89,779	3,245
Clarke	47,468	15,877	394,952	151,858	4,767
Clay	11,406	2,117	156,874	34,056	0
Cleburne	8,880	902	65,471	29,017	37
Coffee	27,595	113	111,485	45,015	369
Colbert	777	1,511	57,163	18,477	0
Conecuh	44,633	163	178,572	31,366	1,822
Coosa	16,494	705	169,165	44,870	909
Covington	39,036	12	148,877	22,195	1,560
Crenshaw	53,383	5,359	163,719	40,592	2,281
Cullman	4,125	914	45,886	26,379	71
Dale	4,962	325	86,019	42,322	103
Dallas	11,170	3,499	160,068	58,167	155
De Kalb	3,608	5,535	42,659	36,870	6
Elmore	14,922	571	55,253	28,205	728

Escambia	27,350	0	214,265	35,192	5,384
Etowah	6,448	840	46,236	39,992	101
Fayette	22,871	1,628	134,915	44,657	465
Franklin	8,508	3,105	73,297	26,463	0
Geneva	13,336	198	50,416	21,320	734
Greene	45,530	4,380	67,916	45,074	795
Hale	24,044	3,063	73,391	49,384	269
Henry	7,016	403	95,668	38,630	24
Houston	5,011	151	54,817	20,990	46
Jackson	972	8,696	24,685	38,655	0
Jefferson	5,911	764	64,913	27,413	35
Lamar	21,103	2,021	149,880	30,315	299
Lauderdale	550	2,482	39,608	39,766	0
Lawrence	1,815	894	25,063	15,009	0
Lee	11,907	1,228	87,821	29,788	0
Limestone	498	1,233	3,576	11,068	0
Lowndes	13,977	777	73,420	26,650	108
Macon	8,045	1,811	64,077	31,020	0
Madison	1,213	536	7,589	7,722	0
Marengo	29,480	25,931	206,009	104,693	992
Marion	16,302	1,454	131,095	58,517	231
Marshall	1,224	1,260	13,453	14,491	20
Mobile	19,815	1,354	108,101	24,633	1,193
Monroe	52,876	5,073	237,071	104,752	2,937
Montgomery	11,340	1,483	66,623	51,997	89
Morgan	1,423	1,283	18,630	22,688	34
Perry	25,967	1,035	96,992	28,176	743
Pickens	53,590	8,629	97,002	139,347	560
Pike	34,193	1,377	135,123	45,887	438
Randolph	13,298	881	72,212	19,209	40
Russell	12,310	901	64,973	17,022	0
Shelby	13,089	400	87,356	18,565	204
St Clair	5,645	331	60,905	23,010	116
Sumter	37,867	6,642	248,384	69,817	1,788
Talladega	8,923	596	92,049	27,925	351
Tallapoosa	29,172	1,841	157,793	60,473	24
Tuscaloosa	34,928	4,366	215,633	99,238	378
Walker	11,527	1,112	79,089	36,268	9
Washington	41,988	1,949	219,631	80,291	2,995
Wilcox	28,932	3,935	190,187	66,746	1,708
Winston	14,796	12,644	80,139	35,459	29
SUBTOTAL BY PRODUCT:	1,289,228	171,610	7,802,481	2,854,432	51,630

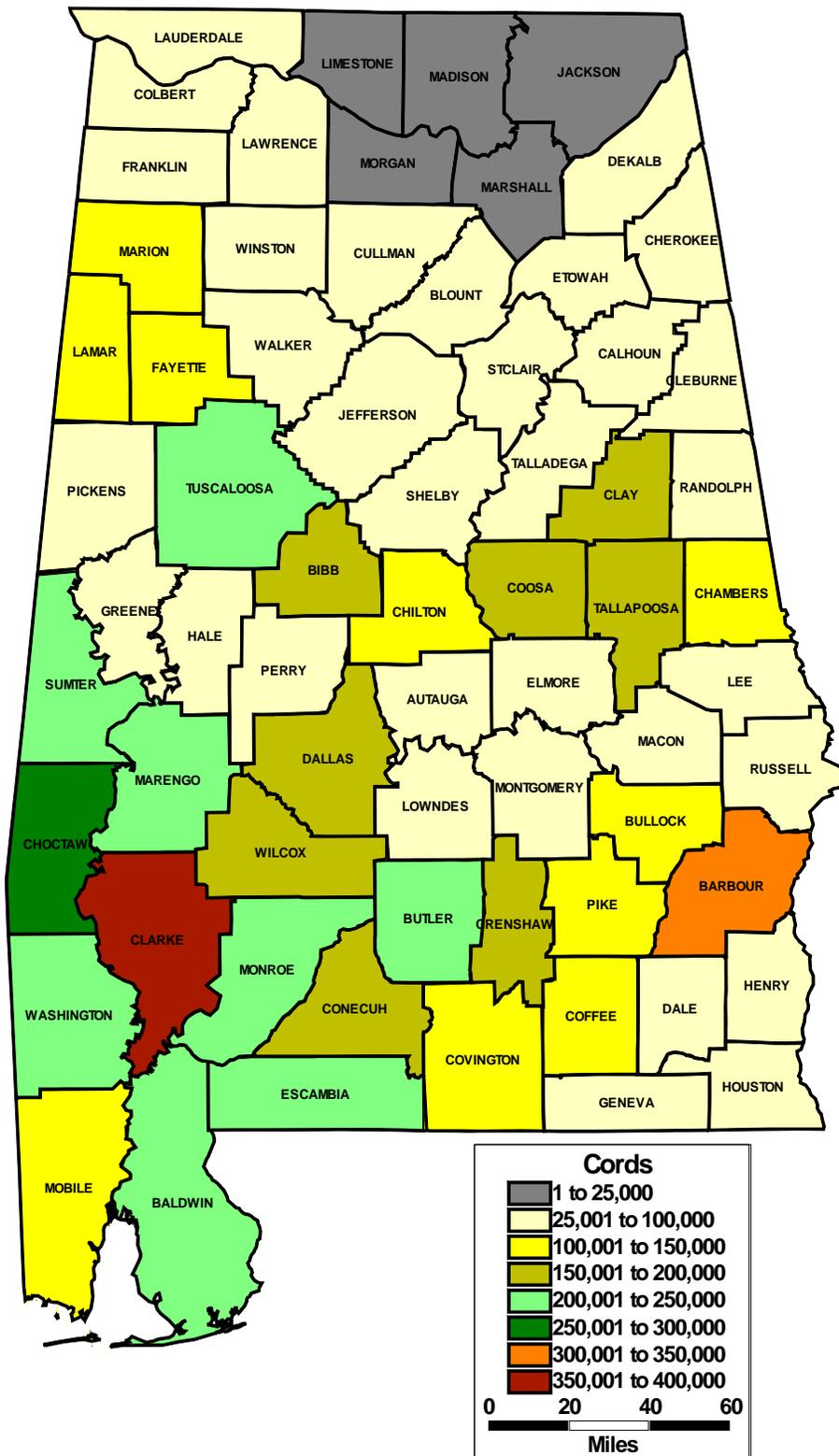
2013 Pine Sawtimber Harvest Removals



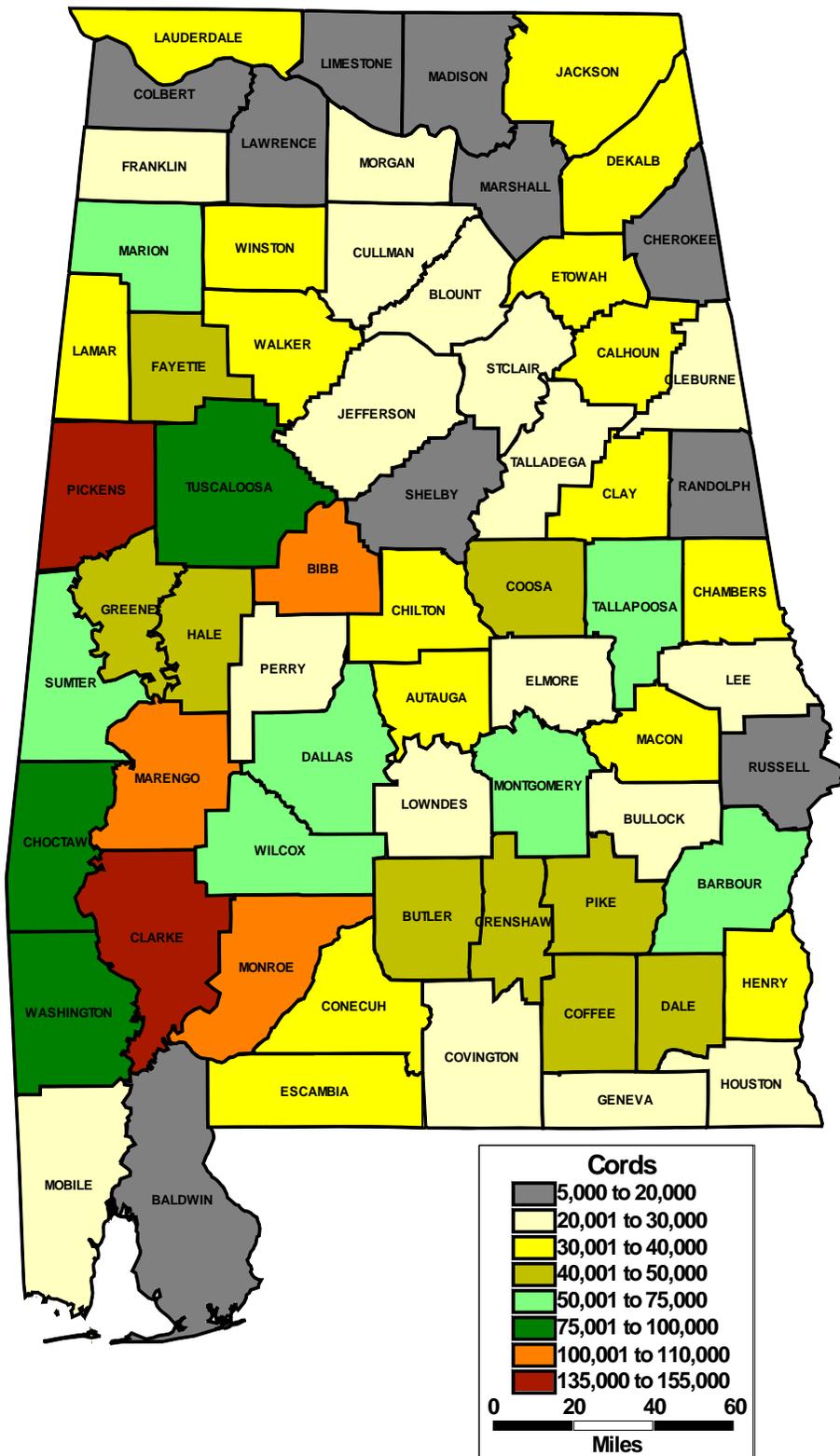
2013 Hardwood Sawtimber Harvest Removals



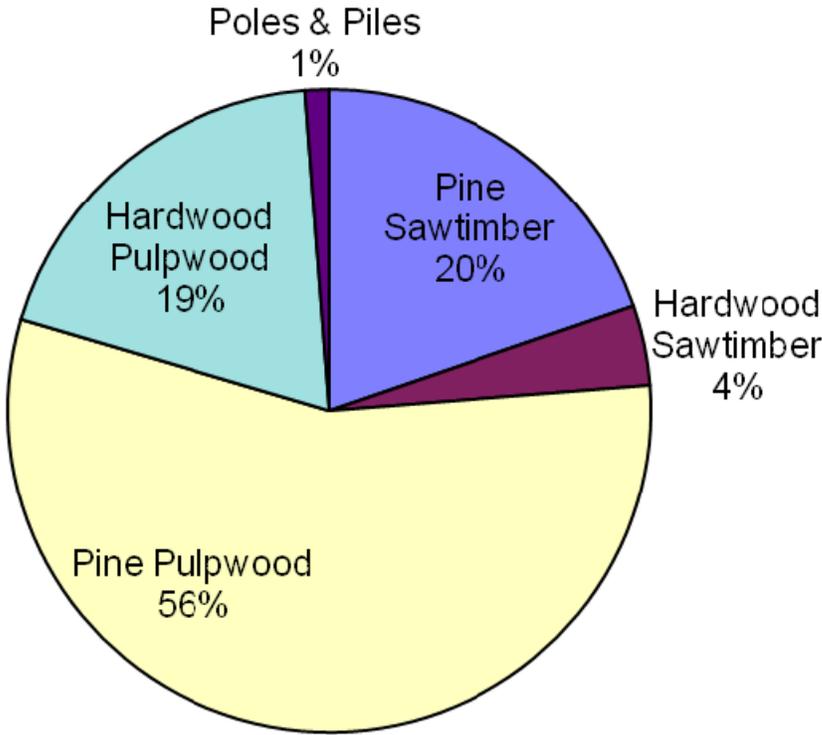
2013 Pine Pulpwood Harvest Removals



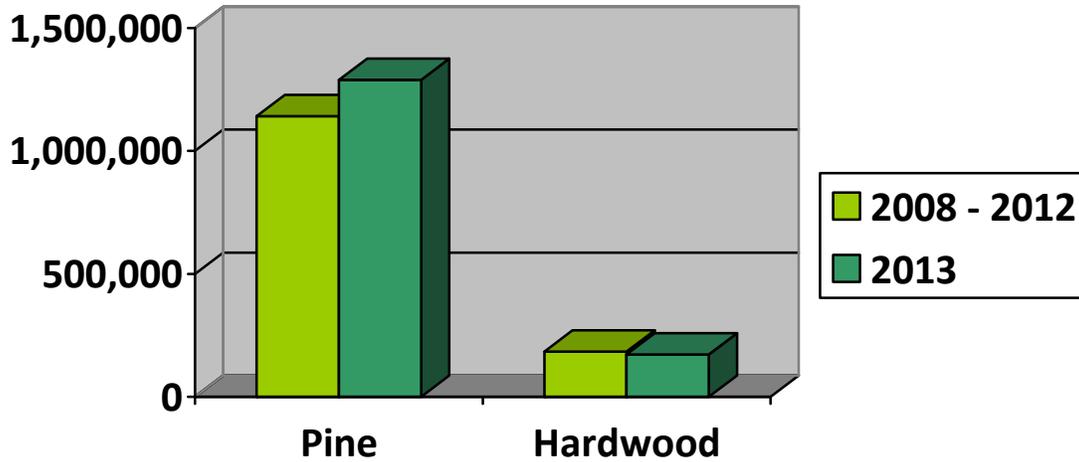
2013 Hardwood Pulpwood Harvest Removals



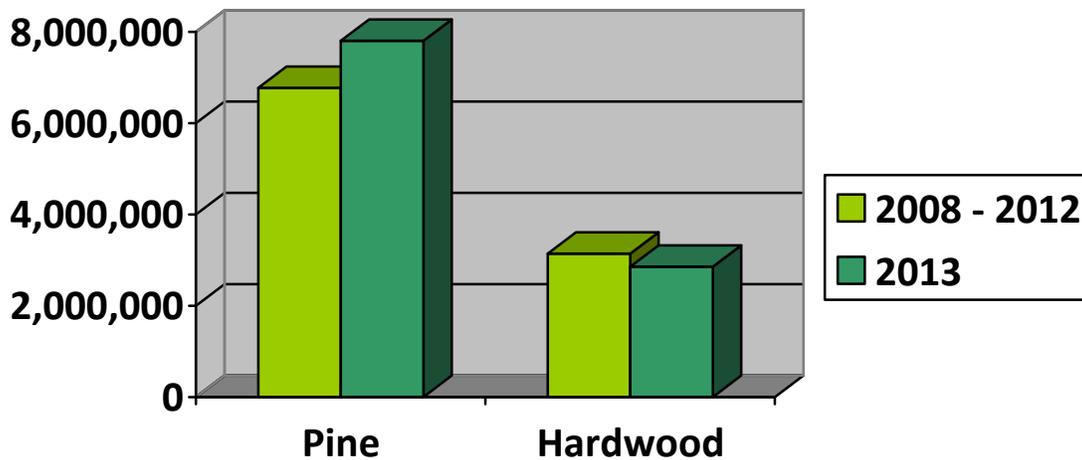
Percentage of Forest Products Harvested by Product Class



Sawtimber Harvest Volumes by Species Group (MBF)



Pulpwood Harvest Volumes by Species Group (Cords)



2013 Timber Price Trends

- Alabama's average stumpage prices for 2013 when compared with 2012 increased in all 4 product categories statewide according to *Timber Mart-South* (see table).

PRODUCT	2013 Stumpage Prices		2012 Stumpage Prices	
	Price (Region 1)	Price (Region 2)	Price (Region 1)	Price (Region 2)
Pine Sawtimber	\$186/MBF	\$208/MBF	\$180/MBF	\$204/MBF
Hardwood Sawtimber	\$254/MBF	\$262/MBF	\$223/MBF	\$222/MBF
Pine Pulpwood	\$24.34/cord	\$33.20/cord	\$21.33/cord	\$29.12/cord
Hardwood Pulpwood	\$41.14/cord	\$38.25/cord	\$24.44/cord	\$29.04/cord

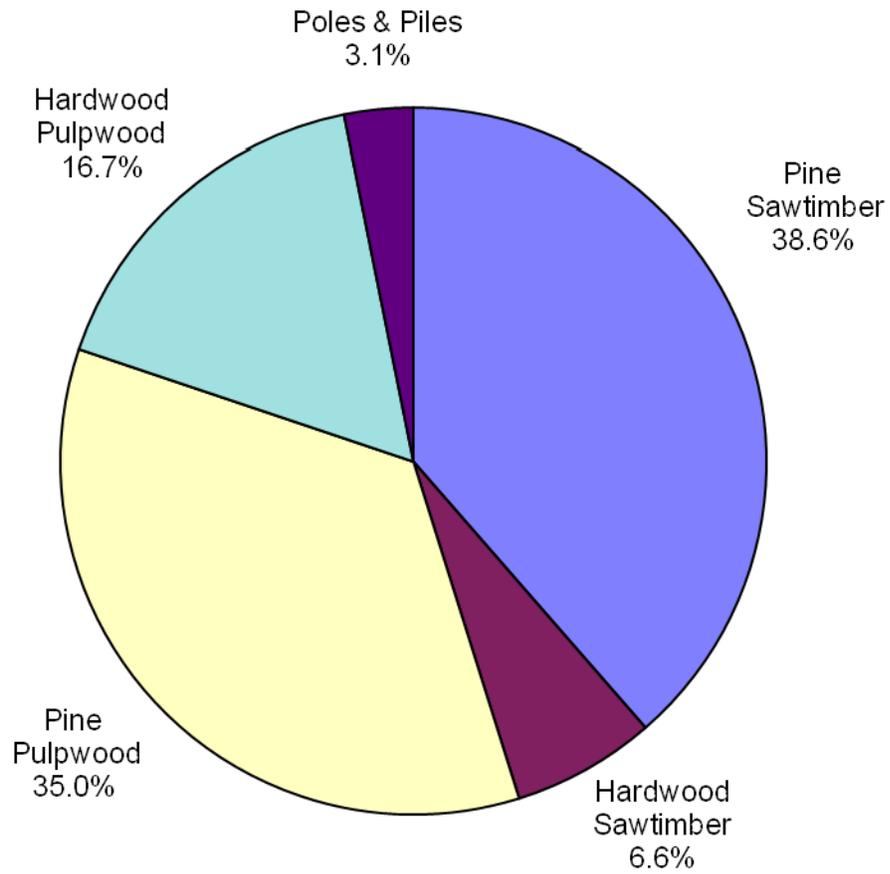
- The total estimated stumpage revenue generated from the sale of all forest products in 2013 was approximately \$675.1 million, an increase of 13.3% from 2012. The increase can be attributed to substantially higher hardwood stumpage prices for both sawtimber and pulpwood, and an increase in timber harvests in the pine sawtimber and pine pulpwood product categories.
- The total estimated stumpage revenue generated from the sale of sawtimber increased by 4.6% from 2012. Pine sawtimber revenue increased by 5.4% while hardwood sawtimber revenue decreased by less than 1%.
- The total estimated stumpage revenue generated from the sale of pulpwood increased by 22.8% from 2012. Pine pulpwood revenue when compared to 2012 increased by 19.4% and hardwood pulpwood revenue increased by 30.7% from 2012.

Table 4. Stumpage Revenue from Sale of Forest Products by Product and County for Calendar Year 2013.

COUNTY	PINE	HARDWOOD a/	PINE	HARDWOOD	POLES AND	TOTAL
	SAWTIMBER	SAWTIMBER	PULPWOOD	PULPWOOD	PILES	
	<i>(thousand dollars)</i>					
Autauga	\$2,013	\$206	\$3,039	\$1,240	\$322	\$6,819
Baldwin	\$4,953	\$89	\$7,936	\$547	\$771	\$14,296
Barbour	\$5,333	\$251	\$10,639	\$2,157	\$105	\$18,485
Bibb	\$5,302	\$545	\$4,861	\$4,327	\$1,826	\$16,861
Blount	\$954	\$137	\$989	\$1,002	\$76	\$3,158
Bullock	\$5,500	\$227	\$4,890	\$925	\$41	\$11,583
Butler	\$15,485	\$24	\$7,005	\$1,745	\$1,597	\$25,857
Calhoun	\$919	\$44	\$1,624	\$1,239	\$4	\$3,831
Chambers	\$4,592	\$219	\$3,881	\$1,385	\$64	\$10,142
Cherokee	\$751	\$115	\$1,684	\$782	\$7	\$3,338
Chilton	\$2,908	\$226	\$3,389	\$1,613	\$124	\$8,260
Choctaw	\$7,412	\$1,895	\$9,780	\$3,434	\$1,376	\$23,898
Clarke	\$9,873	\$4,160	\$13,112	\$5,809	\$2,021	\$34,975
Clay	\$2,122	\$538	\$3,818	\$1,401	\$0	\$7,879
Cleburne	\$1,652	\$229	\$1,594	\$1,194	\$13	\$4,682
Coffee	\$5,740	\$30	\$3,701	\$1,722	\$156	\$11,349
Colbert	\$144	\$384	\$1,391	\$760	\$0	\$2,680
Conecuh	\$9,284	\$43	\$5,929	\$1,200	\$772	\$17,227
Coosa	\$3,068	\$179	\$4,117	\$1,846	\$331	\$9,541
Covington	\$8,120	\$3	\$4,943	\$849	\$662	\$14,576

Crenshaw	\$11,104	\$1,404	\$5,435	\$1,553	\$967	\$20,463
Cullman	\$767	\$232	\$1,117	\$1,085	\$26	\$3,227
Dale	\$1,032	\$85	\$2,856	\$1,619	\$44	\$5,636
Dallas	\$2,323	\$917	\$5,314	\$2,225	\$66	\$10,845
De Kalb	\$671	\$1,406	\$1,038	\$1,517	\$2	\$4,634
Elmore	\$3,104	\$149	\$1,834	\$1,079	\$309	\$6,475
Escambia	\$5,689	\$0	\$7,114	\$1,346	\$2,283	\$16,431
Etowah	\$1,199	\$213	\$1,125	\$1,645	\$37	\$4,220
Fayette	\$4,254	\$414	\$3,284	\$1,837	\$169	\$9,958
Franklin	\$1,582	\$789	\$1,784	\$1,089	\$0	\$5,244
Geneva	\$2,774	\$52	\$1,674	\$815	\$311	\$5,626
Greene	\$9,470	\$1,147	\$2,255	\$1,724	\$337	\$14,934
Hale	\$5,001	\$802	\$2,437	\$1,889	\$114	\$10,243
Henry	\$1,459	\$106	\$3,176	\$1,478	\$10	\$6,229
Houston	\$1,042	\$40	\$1,820	\$803	\$20	\$3,724
Jackson	\$181	\$2,209	\$601	\$1,590	\$0	\$4,581
Jefferson	\$1,099	\$194	\$1,580	\$1,128	\$13	\$4,014
Lamar	\$3,925	\$513	\$3,648	\$1,247	\$109	\$9,442
Lauderdale	\$102	\$630	\$964	\$1,636	\$0	\$3,333
Lawrence	\$338	\$227	\$610	\$617	\$0	\$1,792
Lee	\$2,477	\$322	\$2,916	\$1,139	\$0	\$6,853
Limestone	\$93	\$313	\$87	\$455	\$0	\$948
Lowndes	\$2,907	\$203	\$2,438	\$1,019	\$46	\$6,613
Macon	\$1,673	\$474	\$2,127	\$1,187	\$0	\$5,462
Madison	\$226	\$136	\$185	\$318	\$0	\$864
Marengo	\$6,132	\$6,794	\$6,839	\$4,005	\$421	\$24,190
Marion	\$3,032	\$369	\$3,191	\$2,407	\$84	\$9,084
Marshall	\$228	\$320	\$327	\$596	\$7	\$1,479
Mobile	\$4,121	\$355	\$3,589	\$942	\$506	\$9,513
Monroe	\$10,998	\$1,329	\$7,871	\$4,007	\$1,245	\$25,450
Montgomery	\$2,359	\$389	\$2,212	\$1,989	\$38	\$6,986
Morgan	\$265	\$326	\$453	\$933	\$12	\$1,990
Perry	\$5,401	\$271	\$3,220	\$1,078	\$315	\$10,285
Pickens	\$9,968	\$2,192	\$2,361	\$5,733	\$204	\$20,457
Pike	\$7,112	\$361	\$4,486	\$1,755	\$186	\$13,900
Randolph	\$2,473	\$224	\$1,758	\$790	\$14	\$5,260
Russell	\$2,560	\$236	\$2,157	\$651	\$0	\$5,605
Shelby	\$2,435	\$102	\$2,126	\$764	\$74	\$5,501
St Clair	\$1,050	\$84	\$1,482	\$947	\$42	\$3,605
Sumter	\$7,876	\$1,740	\$8,246	\$2,671	\$758	\$21,291
Talladega	\$1,660	\$151	\$2,240	\$1,149	\$128	\$5,328
Tallapoosa	\$6,068	\$482	\$5,239	\$2,313	\$10	\$14,112
Tuscaloosa	\$6,497	\$1,109	\$5,249	\$4,083	\$138	\$17,074
Walker	\$2,144	\$282	\$1,925	\$1,492	\$3	\$5,847
Washington	\$8,733	\$511	\$7,292	\$3,071	\$1,270	\$20,877
Wilcox	\$6,018	\$1,031	\$6,314	\$2,553	\$724	\$16,640
Winston	\$2,752	\$3,212	\$1,951	\$1,459	\$10	\$9,383
Total	\$260,500	\$44,393	\$236,272	\$112,602	\$21,322	\$675,088
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**



2012 Timber and other Agricultural Commodities Rankings

Timber ranks second in production of all agricultural commodities, and in 2012 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.

						2012
Commodity	2008	2009	2010	2011	2012	Ranking
<i>thousand dollars</i>						
Broilers	\$2,689,200	\$2,519,300	\$2,789,300	\$2,671,500	\$2,810,100	1
Forest Products*	\$679,500	\$455,600	\$596,700	\$511,800	\$595,800	2
Cattle and Calves	\$331,700	\$300,100	\$387,900	\$420,400	\$536,100	3
Eggs	\$298,600	\$286,900	\$291,300	\$322,700	\$351,900	4
Cotton	\$121,400	\$105,400	\$234,200	\$274,300	\$317,900	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)

2013 Forest Products Investments in New & Expanding Businesses

- During 2013, there were 28 announcements of new and expanding businesses; 7 new and 21 expansions of existing industries. There were 2 fewer announcements in 2013 than 2012.
- A total of 1,294 jobs were created which is 128 more than were created from new and expanding businesses in 2012.
- The money invested in the 28 new and expanding industries amounted to \$188.3 million which is \$112.2 million less than that invested in 2012 by the forest products industry.

2013 New & Expanding Wood Products Industry Announcements

Source: Alabama Dep't. of Commerce
5-20-2014

	Company	City	County	New/Exp	Jobs	Investment	NAICS	Product
1	Bay Wood Products Inc	Robertsdale	Baldwin	E	8	\$400,000	321920	Wood Pallets
2	Buccaneer Homes, LLC	Hamilton	Marion	E	30	\$3,200,000	321991	Manufactured Housing
3	Builders' Millwork LLC	Bessemer	Jefferson	E	0	\$1,199,000	321911	Custom Millwork
4	C & L Wood Products Inc	Hartselle	Morgan	E	24	\$2,600,000	321920	Wood Pallets
5	C.E Industries	Scottsboro	Jackson	N	14	\$1,500,000	321113	Wood Products for Home Heating
6	Capital Veneer Works Inc	Montgomery	Montgomery	E	0	\$240,000	321211	Veneers, Hardwood Lumber, Crane Mats
7	CNC Stonecrafters Inc	Phil Campbell	Franklin	N	10	\$250,000	321911	Wood Furniture Components
8	Coastal Forest Products Inc	Georgiana	Butler	E	120	\$20,000,000	321211	Sawmill & Plywood Manufacturing
9	Crown Column & Millwork	Attalla	Etowah	E	7	\$300,000	321911	Architectural Columns
10	Cullman Cabinet and Supply Company	Cullman	Cullman	E	0	\$25,000	337110	Cabinet Doors, Laminate Counter Tops
11	Demopolis Hickory Mill Inc	Demopolis	Marengo	E	0	\$5,000	321918	Hickory Dimensions & Dowels
12	Georgia-Pacific Corporation	Thorsby	Chilton	E	99	\$10,000,000	321214	LVL Laminated Veneer Lumber
13	I-Core Composites LLC	Cullman	Cullman	E	5	\$40,000	321912	Balsa Wood Core Material
14	Integrity Cabinets LLC	Ashland	Clay	E	65	\$750,000	337110	Wood Kitchen Cabinets
15	International Biomass Energy LLC	Jackson	Clarke	N	75	\$100,000,000	321999	Wood Pellets
16	L & L Lumber Company Inc	Huntsville	Madison	E	10	\$0	321912	Lumber Remanufacturing & Sales
17	Linden Lumber LLC	Linden	Marengo	E	25	\$1,000,000	321918	Oak Lumber & Flooring
18	Louisiana-Pacific Corporation	Hanceville	Cullman	E	2	\$3,500,000	321219	Oriented Strand Board (OSB)
19	MasterBrand Cabinets Inc	Talladega	Talladega	E	45	\$235,000	337110	Cabinets (FA)
20	Paradise Canyon Cabins	Haleyville	Marion	N	25	\$0	321992	Manufactured Cabins
21	Southern Energy Homes	Russellville	Franklin	N	254	\$8,863,000	321991	Manufactured Home Manufacturing
22	Southern Homes #1	Double Springs	Winston	E	100	\$9,000,000	321991	Mobile Homes
23	Southern Log Homes	Flat Rock	Jackson	N	6	\$156,000	321113	Log Homes
24	Southern Parallel Forest Products Corp	Albertville	Marshall	N	130	\$11,000,000	321113	Southern Yellow Pine dimensional lumber
25	Table Topics	Elberta	Baldwin	E	30	\$1,000,000	337127	Restaurant Tables
26	Wellborn Cabinet Inc	Ashland	Clay	E	50	\$0	337110	Wooden Kitchen Cabinets
27	West Fraser	Maplesville	Chilton	E	10	\$12,000,000	321113	Lumber
28	Weyerhaeuser	Castleberry	Conecuh	E	150	\$1,000,000	321999	Wood Products

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

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