



FOREST RESOURCE REPORT 2009

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FOREST RESOURCE REPORT 2009

By
Alabama Forestry Commission

This report contains several economic status indicators of the forest industry and forest resources in Alabama for 2009. Included in this report are the following indicators:

- 2009 Timber Harvests Volume
- 2009 Timber Price Trends
- 2008 Timber and other Agricultural Commodities Rankings (*latest statistics available*)
- 2007 Labor, Payroll, and Number of Forestry-related Establishments (*latest statistics available*)
- 2009 Forest Products Investments in New & Expanding Businesses
- 2008 FIA Timberland Acreage Statistics (*latest statistics available*)
- 2008 FIA Timberland Inventory Statistics (*latest statistics available*)

2009 Timber Harvests Volume

- In 2009, 891.9 million board feet of pine sawtimber and 119.9 million board feet of hardwood sawtimber were harvested. In addition, approximately 6.0 million cords of pine pulpwood were harvested in 2009 while 2.8 million cords of hardwood pulpwood were harvested.
- Sawtimber harvests accounted for 21% of the total harvests in 2009 while pulpwood accounted for 78% of the total volume harvested. (See chart on page 4)
- Compared to 2008, pine sawtimber harvests were down by 39.7% and hardwood sawtimber harvests were down by 37.3%.
- Compared to 2008, pine pulpwood harvests were down by approximately 1% and hardwood pulpwood harvests were down by 18.1%.
- Harvest volumes for all products decreased by 32.3% over the previous five year period's average volume. Of all products, hardwood sawtimber harvests decreased the most by percentage (58.8%), followed by pine sawtimber harvests (47.7%). The amount of pulpwood harvested also decreased for both the pine and hardwood categories. Hardwood harvests decreased by 17.5% and pine harvests decreased by 5.3%. (See charts on page 5)

Table 1. Production of Forest Products by Product and County for Calendar Year 2009.

COUNTY	PINE	HARDWOOD a/	PINE	HARDWOOD	POLES AND
	SAWTIMBER	SAWTIMBER	PULPWOOD	PULPWOOD	PILES
	<i>(mbf Scribner)</i>	<i>(mbf Doyle)</i>	<i>(cords)</i>	<i>(cords)</i>	<i>(mbf Doyle)</i>
Autauga	11,451	937	81,822	33,156	85
Baldwin	17,904	98	159,160	8,079	5,503
Barbour	1,430	1,720	204,994	56,406	297
Bibb	13,969	1,316	131,683	117,074	6,475
Blount	2,370	693	25,737	23,547	49
Bullock	9,840	642	112,730	29,427	96
Butler	18,468	30	158,350	35,267	256
Calhoun	8,290	58	31,166	23,009	0
Chambers	18,097	261	69,551	16,595	6
Cherokee	5,591	924	31,162	27,754	0
Chilton	16,057	578	73,007	48,003	0
Choctaw	53,901	4,862	170,352	108,486	1,961
Clarke	71,919	14,125	256,871	139,427	8,282
Clay	8,897	4,028	76,854	40,651	0
Cleburne	8,544	95	47,933	16,440	0
Coffee	7,349	35	157,224	22,916	12
Colbert	436	1,817	22,170	28,863	0
Conecuh	19,081	127	202,253	52,782	659
Coosa	5,637	403	140,899	33,136	0
Covington	14,513	30	178,024	18,133	831
Crenshaw	15,702	4,032	151,191	51,189	35
Cullman	2,026	352	47,699	23,727	0
Dale	1,278	88	70,416	20,839	13
Dallas	12,768	3,593	126,758	67,755	20

De Kalb	743	4,451	10,994	20,225	0
Elmore	4,324	483	49,033	25,815	0
Escambia	14,052	0	139,755	25,674	2,831
Etowah	2,890	699	25,249	30,636	0
Fayette	16,576	1,063	58,057	26,739	534
Franklin	1,621	1,376	69,008	26,168	0
Geneva	3,576	27	59,413	12,900	143
Greene	5,321	1,748	68,229	39,584	133
Hale	134,980	1,734	96,217	61,138	85
Henry	405	456	85,424	21,233	80
Houston	0	193	15,049	7,713	13
Jackson	1,604	5,683	15,109	66,744	0
Jefferson	5,200	936	59,593	40,257	0
Lamar	28,390	1,338	48,161	29,036	775
Lauderdale	91	907	11,014	19,132	0
Lawrence	401	143	11,514	10,899	0
Lee	9,545	726	77,898	21,991	0
Limestone	54	96	3,689	7,257	0
Lowndes	6,241	560	92,988	17,246	382
Macon	7,862	469	88,944	18,546	0
Madison	1,049	343	7,961	10,548	0
Marengo	17,673	13,298	126,830	91,094	388
Marion	17,511	3,204	106,528	47,838	51
Marshall	1,957	386	17,350	12,518	0
Mobile	11,041	213	90,279	48,514	2,274
Monroe	34,437	3,946	177,106	70,412	981
Montgomery	2,478	311	186,091	67,418	0
Morgan	824	485	9,298	13,074	0
Perry	35,459	2,185	108,963	49,495	105
Pickens	21,807	6,087	39,754	141,323	237
Pike	4,544	1,475	124,703	28,292	41
Randolph	13,116	367	37,891	33,786	14
Russell	6,371	443	89,864	19,216	0
Shelby	8,117	1,721	143,035	46,692	0
St Clair	10,859	1,064	67,017	28,106	0
Sumter	10,152	4,811	165,071	123,939	1,139
Talladega	6,076	227	77,328	21,784	0
Tallapoosa	19,114	1,161	95,894	52,932	0
Tuscaloosa	14,347	3,971	114,210	139,415	0
Walker	8,117	659	81,608	24,964	3
Washington	23,120	916	151,646	69,270	1,400
Wilcox	29,566	2,756	123,829	58,937	458
Winston	4,778	6,010	73,525	30,257	0

SUBTOTAL BY PRODUCT:	891,907	119,968	6,029,125	2,801,418	36,647
Cubic Foot Conversion (mmcf)	162.16	33.32	512.48	224.11	10.18

TOTAL HARVEST: 942.26 Million Cubic Feet

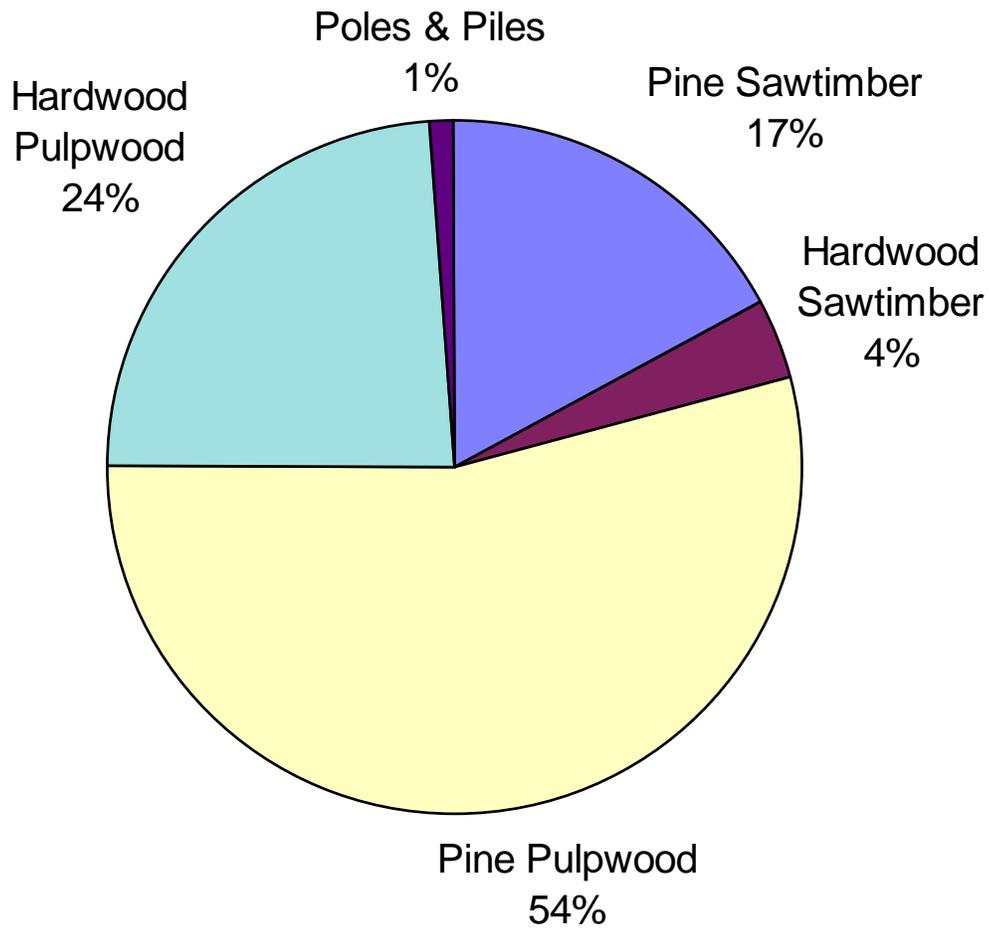
a/ Includes--Sawtimber, Cross and Switch and Mine Ties, Mine Props.

MBF= Thousand Board Feet

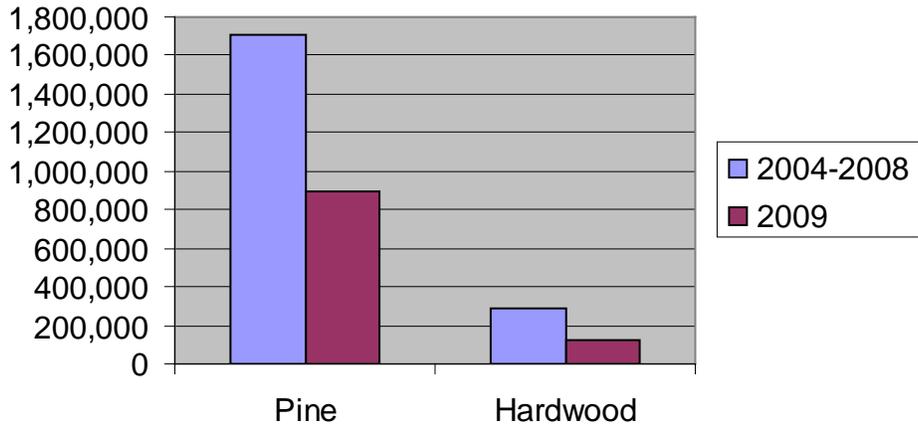
SOURCE: Department of Revenue and Finance Department, Severance Tax Receipts

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

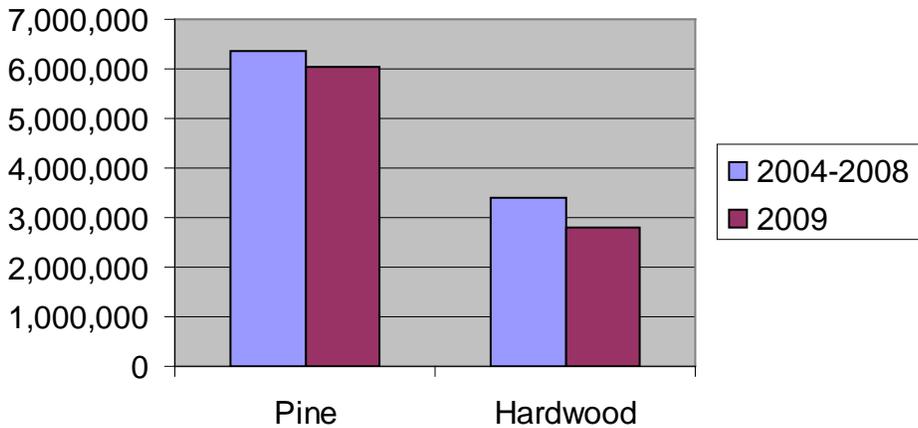
Percentage of Forest Products Harvested by Product Class

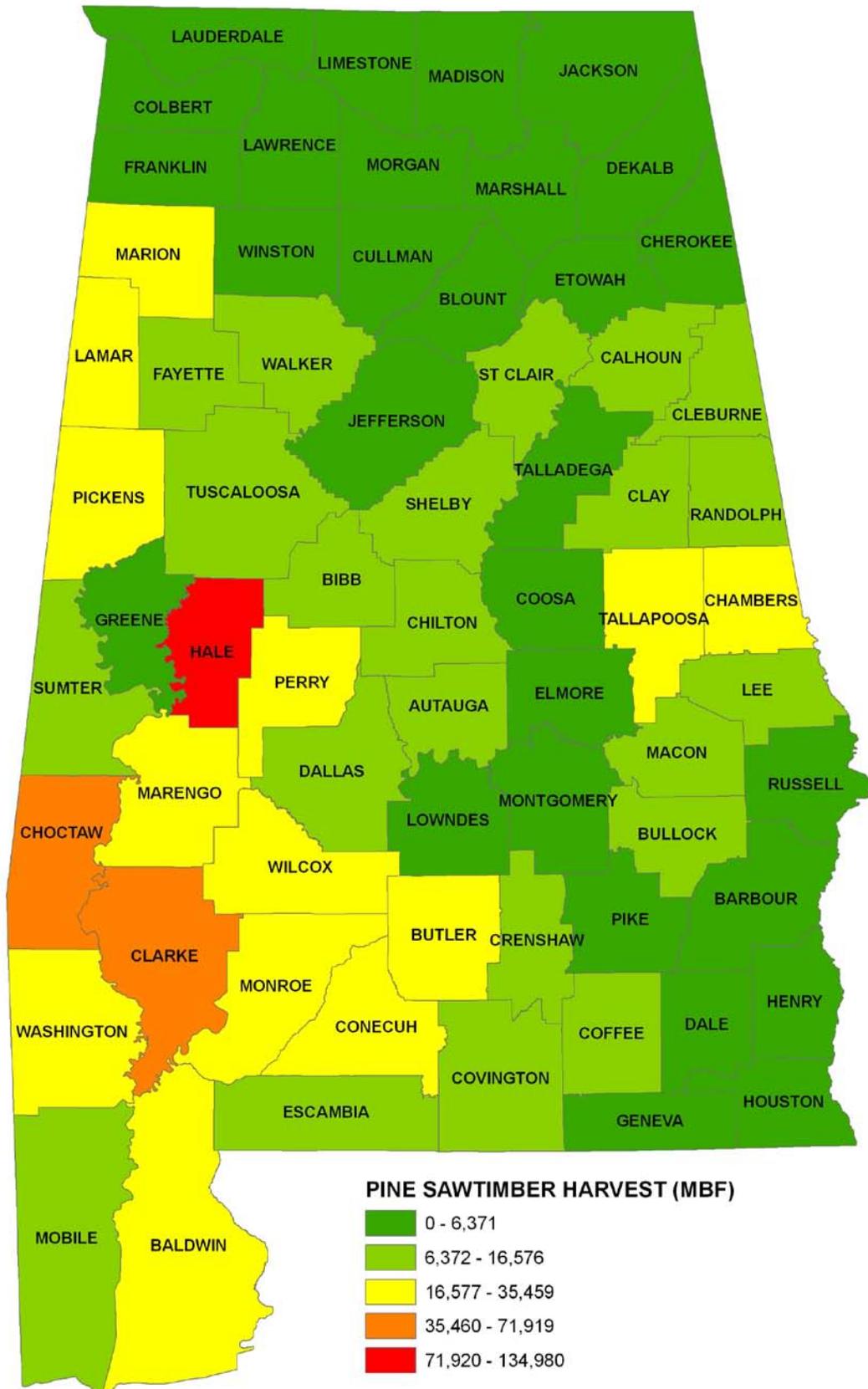


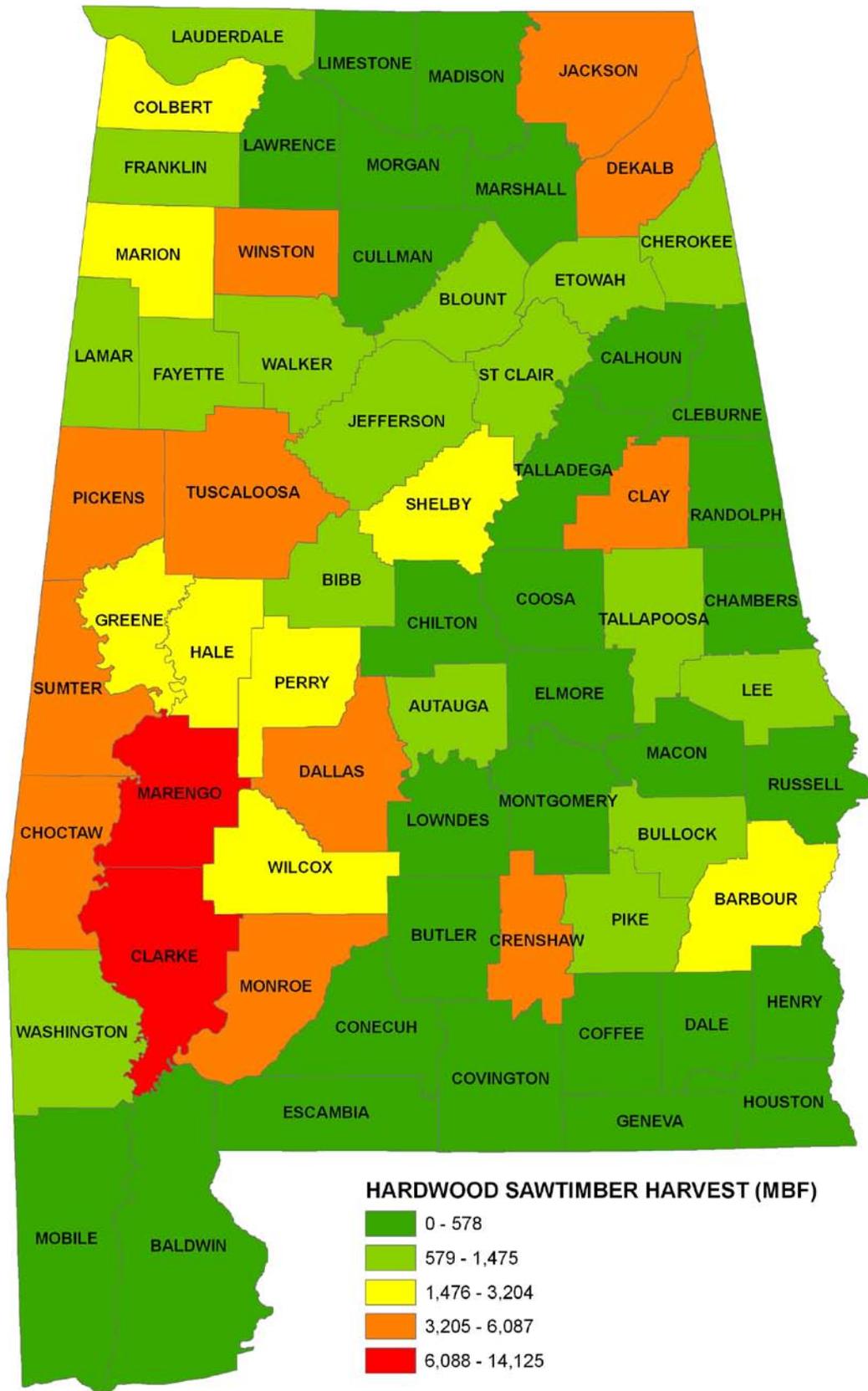
Sawtimber Harvest Volumes by Major Species Group (MBF)

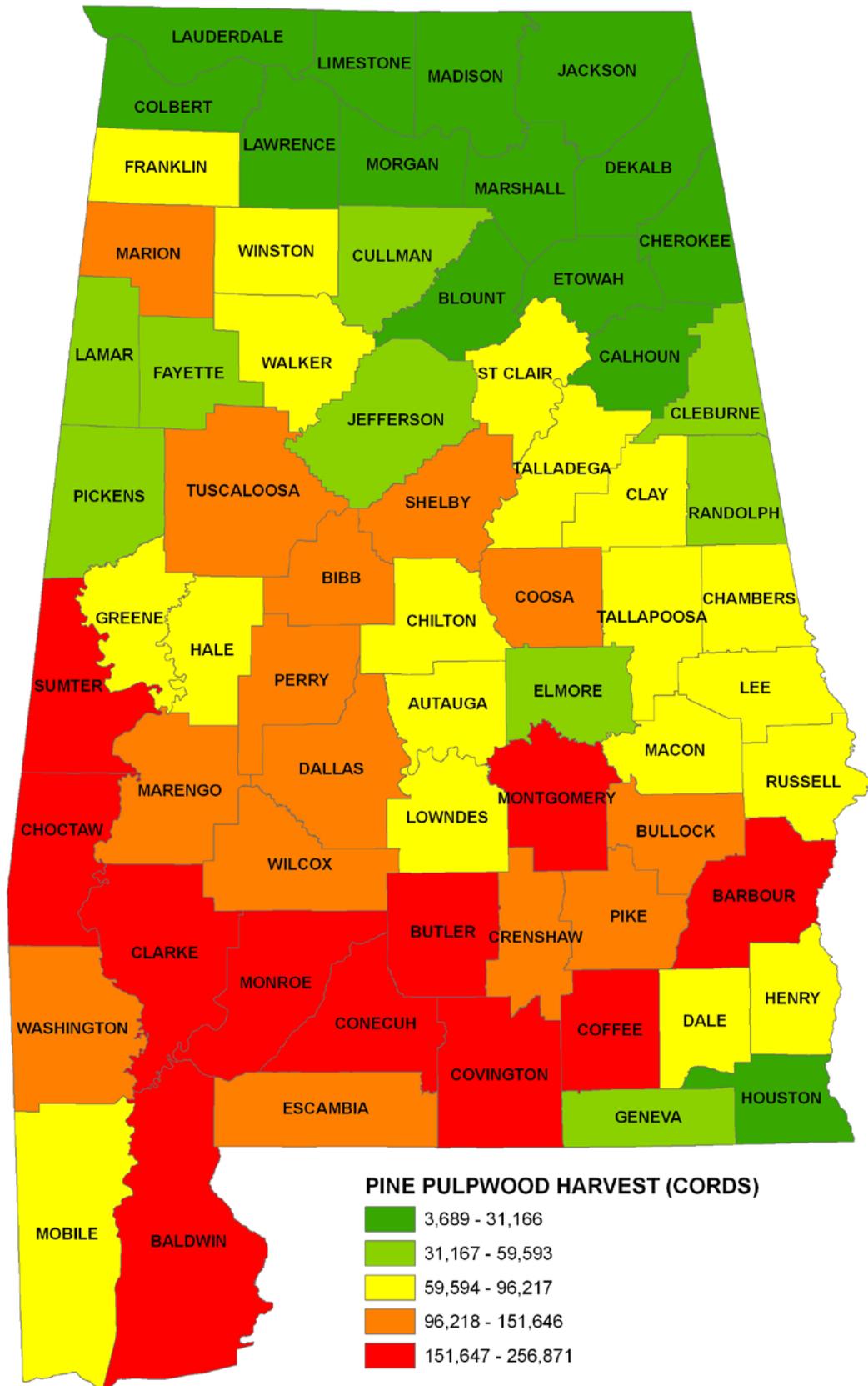


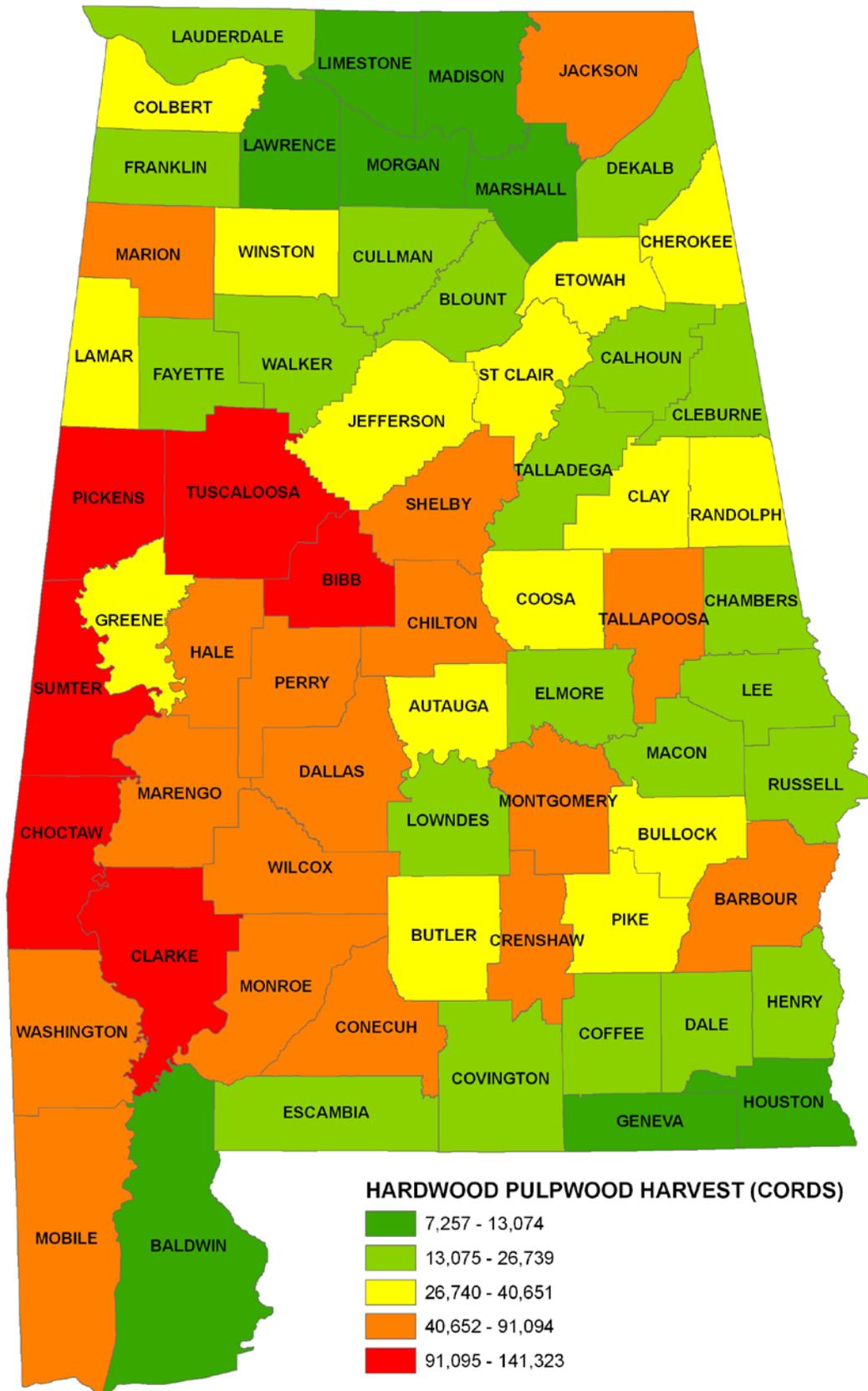
Pulpwood Harvest Volumes by Major Species Group (Cords)











2009 Timber Price Trends

- Alabama's average stumpage prices for 2009 when compared with 2008 decreased in both the pine and hardwood sawtimber product categories, but increased for both the pine and hardwood pulpwood categories according to *Timber Mart-South* (see table).

PRODUCT	2009 Stumpage Prices		2008 Stumpage Prices	
	Price (Region 1)	Price (Region 2)	Price (Region 1)	Price (Region 2)
Pine Sawtimber	\$199/MBF	\$214/MBF	\$239/MBF	\$271/MBF
Hardwood Sawtimber	\$196/MBF	\$193/MBF	\$205/MBF	\$229/MBF
Pine Pulpwood	\$22.84/cord	\$25.06/cord	\$19.99/cord	\$25.40/cord
Hardwood Pulpwood	\$29.55/cord	\$27.94/cord	\$26.21/cord	\$23.90/cord

- The total estimated stumpage revenue generated from the sale of all forest products in 2009 was approximately \$455.6 million, a decrease of 32.9% compared to 2008. The decrease can be attributed to both lower stumpage prices and a decrease in the amount of timber harvested. Poor economic conditions, which include lower manufacturing activity, are primarily to blame for the lower demand for timber.
- The total estimated stumpage revenue generated from the sale of sawtimber decreased by 51.2% from 2008. Both pine and hardwood sawtimber revenue generated showed decreases; pine sawtimber revenue decreased by 51.9% while hardwood sawtimber revenue decreased by 44.7%.
- The total estimated stumpage revenue generated from the sale of pulpwood decreased by less than 1% from 2008. Hardwood pulpwood revenue when compared to 2008 decreased by 4.7%; however, pine pulpwood revenue increased by 2.3% from 2008 due to higher stumpage prices.

Table 4. Stumpage Revenue from Sale of Forest Products by Product and County for Calendar Year 2009.

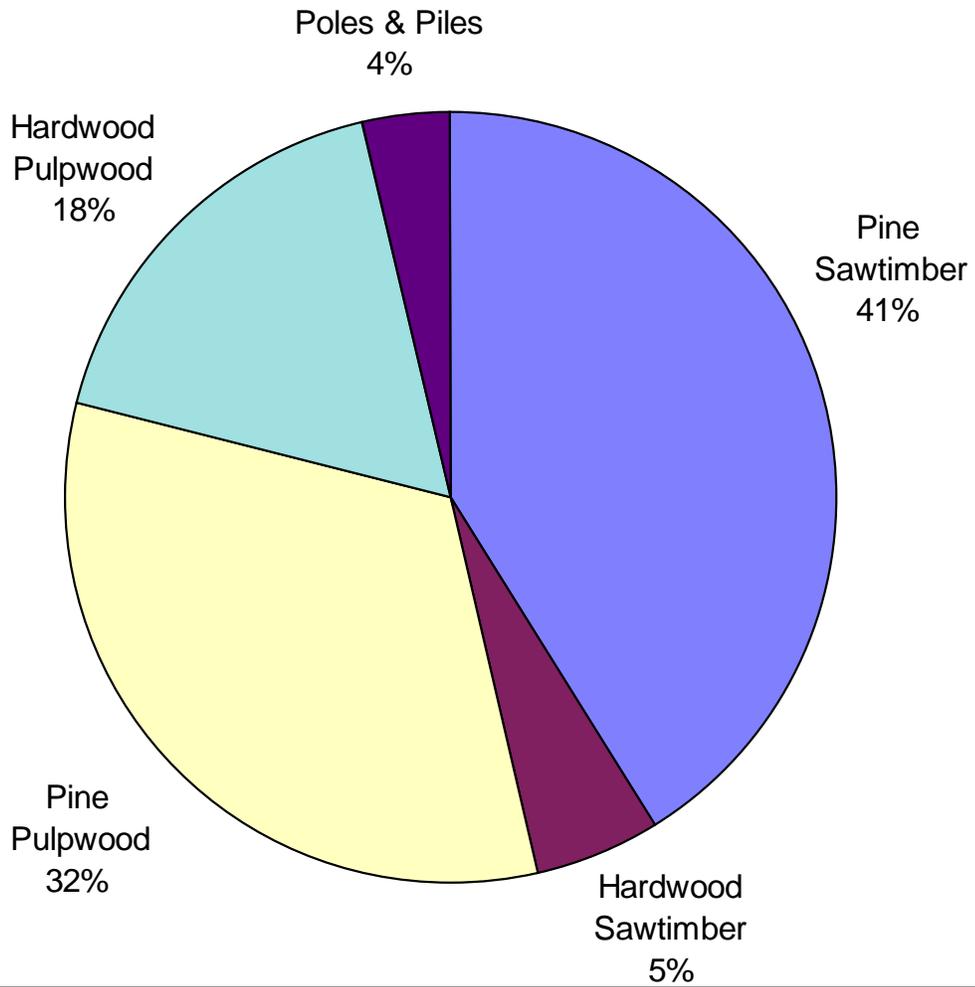
COUNTY	PINE SAWTIMBER	HARDWOOD a/ SAWTIMBER	PINE PULPWOOD	HARDWOOD PULPWOOD	POLES AND PILES	TOTAL
<i>(thousand dollars)</i>						
Autauga	\$2,450	\$181	\$2,046	\$928	\$38	\$5,643
Baldwin	\$3,831	\$19	\$3,979	\$226	\$2,460	\$10,515
Barbour	\$306	\$332	\$5,125	\$1,579	\$133	\$7,475
Bibb	\$2,989	\$254	\$3,292	\$3,278	\$2,894	\$12,708
Blount	\$472	\$136	\$592	\$706	\$22	\$1,927
Bullock	\$2,106	\$124	\$2,818	\$824	\$43	\$5,915
Butler	\$3,952	\$6	\$3,959	\$987	\$114	\$9,019
Calhoun	\$1,650	\$11	\$717	\$690	\$0	\$3,068
Chambers	\$3,873	\$50	\$1,739	\$465	\$3	\$6,129
Cherokee	\$1,113	\$181	\$717	\$833	\$0	\$2,843
Chilton	\$3,436	\$112	\$1,825	\$1,344	\$0	\$6,717
Choctaw	\$11,535	\$938	\$4,259	\$3,038	\$877	\$20,646
Clarke	\$15,391	\$2,726	\$6,422	\$3,904	\$3,702	\$32,144
Clay	\$1,904	\$777	\$1,921	\$1,138	\$0	\$5,741
Cleburne	\$1,700	\$19	\$1,102	\$493	\$0	\$3,315
Coffee	\$1,573	\$7	\$3,931	\$642	\$5	\$6,157
Colbert	\$87	\$356	\$510	\$866	\$0	\$1,819
Conecuh	\$4,083	\$24	\$5,056	\$1,478	\$295	\$10,937
Coosa	\$1,206	\$78	\$3,522	\$928	\$0	\$5,734
Covington	\$2,888	\$6	\$4,095	\$544	\$365	\$7,897
Crenshaw	\$3,360	\$778	\$3,780	\$1,433	\$16	\$9,367

Cullman	\$403	\$69	\$1,097	\$712	\$0	\$2,281
Dale	\$273	\$17	\$1,760	\$583	\$6	\$2,640
Dallas	\$2,732	\$693	\$3,169	\$1,897	\$9	\$8,501
De Kalb	\$148	\$872	\$253	\$607	\$0	\$1,880
Elmore	\$925	\$93	\$1,226	\$723	\$0	\$2,967
Escambia	\$3,007	\$0	\$3,494	\$719	\$1,265	\$8,485
Etowah	\$575	\$137	\$581	\$919	\$0	\$2,212
Fayette	\$3,299	\$208	\$1,335	\$802	\$234	\$5,879
Franklin	\$322	\$270	\$1,587	\$785	\$0	\$2,964
Geneva	\$765	\$5	\$1,485	\$361	\$64	\$2,681
Greene	\$1,139	\$337	\$1,706	\$1,108	\$59	\$4,350
Hale	\$28,886	\$335	\$2,405	\$1,712	\$38	\$33,376
Henry	\$87	\$88	\$2,136	\$595	\$36	\$2,940
Houston	\$0	\$37	\$376	\$216	\$6	\$635
Jackson	\$319	\$1,114	\$348	\$2,002	\$0	\$3,783
Jefferson	\$1,035	\$183	\$1,371	\$1,208	\$0	\$3,797
Lamar	\$5,650	\$262	\$1,108	\$871	\$340	\$8,231
Lauderdale	\$18	\$178	\$253	\$574	\$0	\$1,023
Lawrence	\$80	\$28	\$265	\$327	\$0	\$700
Lee	\$2,043	\$140	\$1,947	\$616	\$0	\$4,746
Limestone	\$11	\$19	\$85	\$218	\$0	\$332
Lowndes	\$1,336	\$108	\$2,325	\$483	\$171	\$4,422
Macon	\$1,682	\$90	\$2,224	\$519	\$0	\$4,516
Madison	\$209	\$67	\$183	\$316	\$0	\$775
Marengo	\$3,782	\$2,567	\$3,171	\$2,551	\$173	\$12,243
Marion	\$3,485	\$628	\$2,450	\$1,435	\$22	\$8,020
Marshall	\$390	\$76	\$399	\$376	\$0	\$1,240
Mobile	\$2,363	\$41	\$2,257	\$1,358	\$1,016	\$7,036
Monroe	\$7,370	\$762	\$4,428	\$1,972	\$439	\$14,969
Montgomery	\$530	\$60	\$4,652	\$1,888	\$0	\$7,130
Morgan	\$164	\$95	\$214	\$392	\$0	\$865
Perry	\$7,588	\$422	\$2,724	\$1,386	\$47	\$12,167
Pickens	\$4,340	\$1,193	\$914	\$4,240	\$104	\$10,791
Pike	\$972	\$285	\$3,118	\$792	\$18	\$5,185
Randolph	\$2,807	\$71	\$947	\$946	\$6	\$4,777
Russell	\$1,363	\$85	\$2,247	\$538	\$0	\$4,233
Shelby	\$1,615	\$337	\$3,290	\$1,401	\$0	\$6,643
St Clair	\$2,161	\$209	\$1,541	\$843	\$0	\$4,754
Sumter	\$2,172	\$929	\$4,127	\$3,470	\$509	\$11,207
Talladega	\$1,300	\$44	\$1,933	\$610	\$0	\$3,887
Tallapoosa	\$3,804	\$228	\$2,206	\$1,588	\$0	\$7,825
Tuscaloosa	\$2,855	\$778	\$2,627	\$4,182	\$0	\$10,443
Walker	\$1,615	\$129	\$1,877	\$749	\$1	\$4,372
Washington	\$4,948	\$177	\$3,791	\$1,940	\$626	\$11,481
Wilcox	\$6,327	\$532	\$3,096	\$1,650	\$205	\$11,810
Winston	\$951	\$1,178	\$1,691	\$908	\$0	\$4,728
Total	\$187,751	\$23,291	\$147,823	\$80,412	\$16,361	\$455,639

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



2008 Timber and other Agricultural Commodities Rankings

- Timber ranks second in production of all agricultural commodities and accounts for 14.8% of all commodities, with broilers leading the state in agriculture cash receipts. Timber has consistently ranked second in cash receipts for agricultural commodities.

Table 5. Cash Receipts of Top Agricultural Commodities for Alabama.

Commodity	2005	2006	2007	2008	2008	2008
					% of Total	Ranking
<i>thousand dollars</i>						
Broilers	\$2,409,600	\$2,047,800	\$2,418,700	\$2,630,700	57.4%	1
Forest Products*	\$ 830,800	\$ 970,000	\$791,000	\$679,500	14.8%	2
Cattle and Calves	\$ 462,900	\$407,100	\$407,500	\$331,700	7.2%	3
Eggs	\$ 281,600	\$293,700	\$313,000	\$298,600	6.5%	4
Greenhouse, Sod, & Nursery	\$ 251,100	\$249,600	\$265,600	\$256,000	5.6%	5
Cotton	\$ 257,600	\$146,300	\$151,800	\$154,500	3.4%	6
Peanuts	\$101,200	\$68,500	\$76,500	\$128,000	2.8%	7
Corn	\$ 36,400	\$28,800	\$56,500	\$102,400	2.2%	8
Total Value All Commodities	\$ 4,631,200	\$ 4,211,800	\$4,480,600	\$4,581,400	100.0%	

Reference:

http://www.nass.usda.gov/Statistics_by_State/Alabama/Publications/Annual_Statistical_Bulletin/2009/2009AlabamaAgricultureStatistics.pdf

2007 Labor, Payroll, and Number of Forestry-related Establishments

- In 2007, (*latest statistics available*) forestry manufacturing amounted to approximately 19.5% of the total manufactures in Alabama, and directly employed 46,258 people (not counting private consultants and government employees) with a payroll of over \$1.8 billion at 963 establishments. An additional 5,096 people are employed in the forestry and logging sector.

Table 6. Forestry-related Manufacturing Economic Indicators for Alabama (2007)

		2007				
NAICS	Industry	Establish-ments	Number of Employees	Annual Payroll (\$1,000)	Value Added (\$1,000)	Value of Shipments (\$1,000)
113	Forestry & Logging	709	5,096	\$157,091	n/a	n/a
321	Lumber & Wood Products	458	19,960	\$629,570	\$1,426,792	\$4,064,144
321113	Sawmills	112	4,467	\$147,456	\$281,250	\$996,561
321114	Wood preservation	27	811	\$32,036	\$98,820	\$452,545
3212	Veneer, plywood & engineered wood product mfg	65	3,665	\$130,405	\$292,804	\$800,479
3219	Other wood product mfg	254	11,017	\$319,673	\$753,918	\$1,814,559
322	Pulp & Paper Products	79	12,731	\$804,200	\$4,243,536	\$8,282,479
3221	Pulp, paper & paperboard mills	21	9,229	\$662,559	\$3,858,183	\$7,156,365
3222	Converted paper product mfg	58	3,502	\$141,641	\$385,353	\$1,126,114
337	Furniture & Related Products	426	13,567	\$407,586	\$1,289,013	\$2,165,355
Forestry Manufacturing Total*		963	46,258	\$1,841,356	\$6,959,341	\$14,511,978
<i>Forestry % of Total State Manufacturing*</i>		<i>19.5%</i>	<i>17.0%</i>	<i>16.2%</i>	<i>16.1%</i>	<i>12.9%</i>
State Manufacturing Total*		4,928	271,986	\$11,351,619	\$43,137,817	\$112,858,843
Source:		<i>U.S. Census Bureau, 2007 Economic Census of Manufacturers (Does not include the Logging Sector). Forestry & Logging is based on Census Bureau's County Business Patterns, 2007. (Latest Statistics Available)</i>				

* Does not include Forestry & Logging.

2009 Forest Products Investments in New & Expanding Businesses

- During 2009, there were 22 announcements of new and expanding businesses; 2 less than in 2008.
- A total of 558 jobs were created which is 338 less than were created from new and expanding businesses in 2008.
- The money invested in the 22 new and expanding industries amounted to \$99.7 million which is \$9.2 million more than that invested in 2008 by the forest industry.

ALABAMA'S WOOD-RELATED NEW AND EXPANDING INDUSTRY ANNOUNCEMENTS - 2009

Source: Alabama Development Office

NEW/EXP	COMPANY	CITY	COUNTY	JOBS	INVESTMENT	NAICS	PRODUCT
Exp	International Paper	Prattville	Autauga	0	\$40,000,000.00	322130	Kraft Linerboard
Exp	M C Dixon Lumber Company Inc	Eufaula	Barbour	63	\$3,700,000.00	321113	Yellow Pine Lumber
Exp	Pomeroy Lumber Products Inc	Eufaula	Barbour	0	\$21,000.00	321918	Hardwood Flooring Sawmill & Plywood Manufacturing
New	Coastal Forest Products Inc	Georgiana	Butler	265	\$10,000,000.00	321211	
Exp	Lassiter J W Lumber Company	Silas	Choctaw	3	\$250,000.00	321912	Rough Dressed Lumber
Exp	Smith Brothers Timber Company Inc	Millry	Choctaw	10	\$300,000.00	113310	Logging
New	Scotch / Gulf Lumber LLC	Fulton	Clarke	100	\$280,000.00	321113	Sawmill, Pine Lumber
Exp	SCA Tissue North America LLC Barton Operations	Cherokee	Colbert	0	\$8,361,000.00	322121	Sanitary Tissue Paper Products
Exp	I-Core Composites LLC	Cullman	Cullman	0	\$25,000.00	321912	Balsa Wood Core Material Coated Paper/Paper Converting
Exp	Loparex, Inc	Cullman	Cullman	0	\$95,000.00	322222	
Exp	Rusken Packaging Inc	Cullman	Cullman	0	\$1,000,000.00	322211	Corrugated Boxes
New	Lee Energy Solutions LLC	Crossville	DeKalb	15	\$5,500,000.00	321999	Wood Pellet Production Corrugated & Solid Fiber Boxes
Exp	Georgia-Pacific Corporation	Brewton	Escambia	0	\$2,875,000.00	322211	
Exp	Mills Shavings & Mulch Inc	Hodges	Franklin	3	\$0.00	321113	Shavings & Mulch
Exp	Summerford Pallet Company Inc	Ashford	Houston	50	\$1,000,000.00	321920	Wooden Pallets & Skids
Exp	Rock-Tenn Mill Company	Demopolis	Marengo	0	\$10,805,000.00	322130	Bleached Paperboard
Exp	Rock-Tenn Mill Company	Demopolis	Marengo	0	\$8,119,380.00	322130	Bleached Paperboard Lumber, Millwork, Cabinets, Doors & Trusses
Exp	Mobile Lumber & Millwork	Mobile	Mobile	11	\$75,000.00	321911	
Exp	Rocky Creek Lumber Company	Mexia	Monroe	20	\$5,000,000.00	321113	Lumber
Exp	International Crating & Assembly	Montgomery	Montgomery	2	\$300,000.00	321920	Wood Specialty Items
Exp	Austell Forest Products	Gordo	Pickens	10	\$0.00	321911	Architectural Millwork
Exp	Prystup Packaging Products Inc	Livingston	Sumter	6	\$2,000,000.00	322212	Folding Cartons

2008 *FIA Timberland Acreage Statistics

- Alabama timberland covers 22.7 million acres, the third largest commercial forestland in the nation.
- Approximately 94% of Alabama’s timberland is privately owned; 14% is owned by forest industries (companies that own a wood processing plant) and 80% by non-industrial private owners. Only 6% of timberland is publicly owned.
- Alabama forests are comprised of 44% hardwood stands, 41% pine stands, and 15% mixed pine/hardwood stands.
- Sawtimber-sized stands comprise 44% of Alabama’s timberland, while 27% of forest stands are comprised of mostly pulpwood-sized timber. Seedling/sapling-sized stands account for the remaining 29% of timberland acreage.

TIMBERLAND ACRES BY FOREST TYPE

County	Total	Softwoods	Oak-Pine	Hardwoods
Acres				
Autauga	302,634	157,994	33,798	110,842
Baldwin	710,587	379,214	127,691	203,682
Barbour	426,523	196,266	69,368	160,889
Bibb	314,430	126,887	65,804	121,739
Blount	203,888	78,463	40,982	84,443
Bullock	321,541	163,420	40,225	117,896
Butler	398,269	214,301	41,099	142,869
Calhoun	205,498	69,393	44,095	92,010
Chambers	306,925	170,321	30,642	105,962
Cherokee	251,420	99,002	35,392	117,026
Chilton	318,331	106,820	70,299	141,212
Choctaw	525,557	287,134	55,583	182,840
Clarke	757,623	365,249	139,309	253,065
Clay	318,536	102,126	49,923	166,487
Cleburne	265,558	80,656	71,757	113,145
Coffee	230,655	81,813	32,177	116,665
Colbert	218,129	45,650	5,565	166,914
Conecuh	455,365	228,791	79,788	146,786
Coosa	389,868	180,907	53,704	155,257
Covington	477,823	305,170	63,639	109,014
Crenshaw	311,412	128,319	42,655	140,438
Cullman	233,054	60,884	25,350	146,820
Dale	238,154	68,161	48,537	121,456
Dallas	419,916	159,226	27,378	233,312
DeKalb	182,090	47,423	22,961	111,706
Elmore	228,373	70,481	57,108	100,784
Escambia	466,098	303,277	73,696	89,125
Etowah	193,623	41,767	26,873	124,983
Fayette	328,011	145,526	23,684	158,801
Franklin	301,553	83,115	51,833	166,605
Geneva	180,927	75,967	36,008	68,952

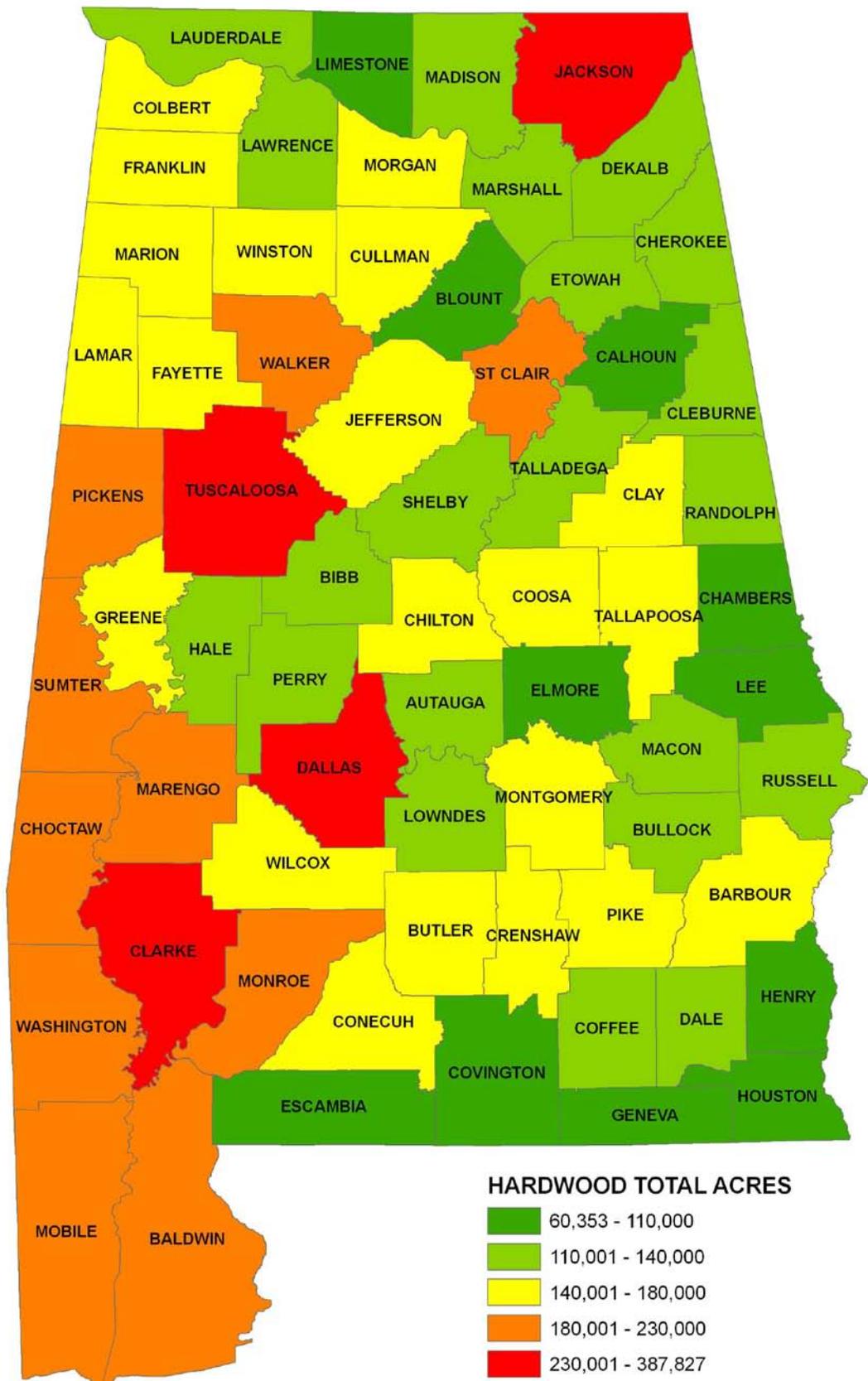
Greene	296,838	94,785	39,023	163,030
Hale	283,149	100,287	56,069	126,793
Henry	232,265	90,624	38,629	103,012
Houston	180,374	68,124	51,897	60,353
Jackson	434,156	27,033	19,296	387,827
Jefferson	424,308	179,580	103,250	141,478
Lamar	331,235	115,743	37,475	178,017
Lauderdale	166,878	28,312	6,739	131,827
Lawrence	197,092	38,852	33,749	124,491
Lee	268,305	132,925	53,300	82,080
Limestone	104,222	7,174	5,881	91,167
Lowndes	303,140	135,158	34,879	133,103
Macon	311,483	134,982	45,085	131,416
Madison	161,541	15,744	21,369	124,428
Marengo	453,094	200,562	63,867	188,665
Marion	361,633	172,872	41,848	146,913
Marshall	145,704	21,134	14,028	110,542
Mobile	508,408	267,013	61,152	180,243
Monroe	589,987	315,586	78,475	195,926
Montgomery	234,000	38,801	42,763	152,436
Morgan	200,277	26,209	22,751	151,317
Perry	339,264	193,737	29,508	116,019
Pickens	456,939	187,342	54,299	215,298
Pike	303,901	118,588	44,191	141,122
Randolph	281,497	106,808	40,807	133,882
Russell	299,700	132,347	39,654	127,699
St. Clair	316,684	76,599	57,615	182,470
Shelby	321,274	102,040	90,626	128,608
Sumter	441,382	178,324	66,681	196,377
Talladega	298,285	134,623	49,972	113,690
Tallapoosa	410,189	193,007	76,189	140,993
Tuscaloosa	686,146	290,256	98,096	297,794
Walker	388,649	141,038	55,898	191,713
Washington	639,891	328,213	94,671	217,007
Wilcox	513,784	299,910	60,823	153,051
Winston	332,103	97,754	61,328	173,021
Total	22,700,148	9,415,809	3,378,806	9,905,533

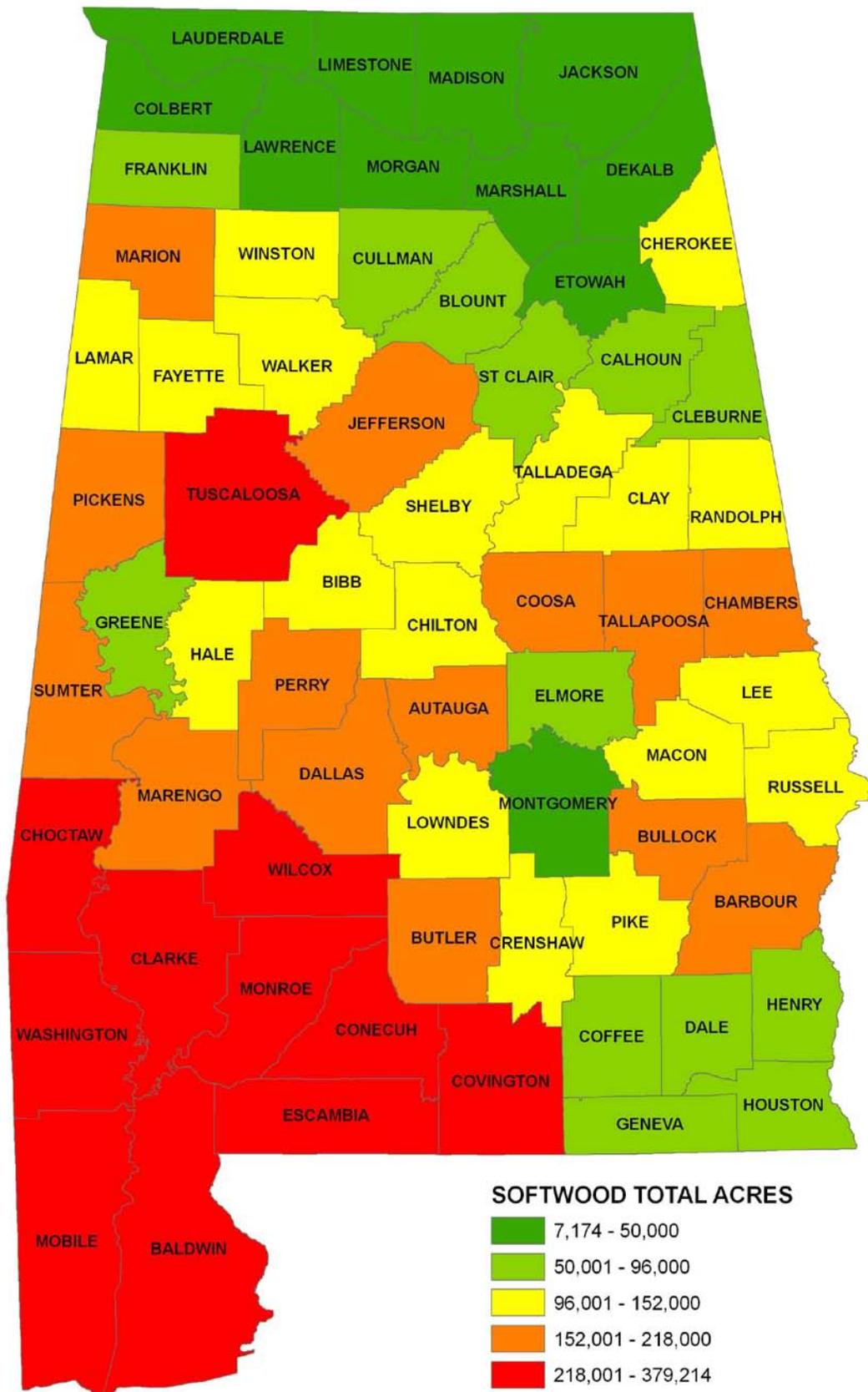
NOTES: A very small portion (1%) of timberland acres is classified as “non-stocked” by Forest Inventory & Analysis (FIA) guidelines. The “non-stocked” acres have been included in the “oak-pine” category.

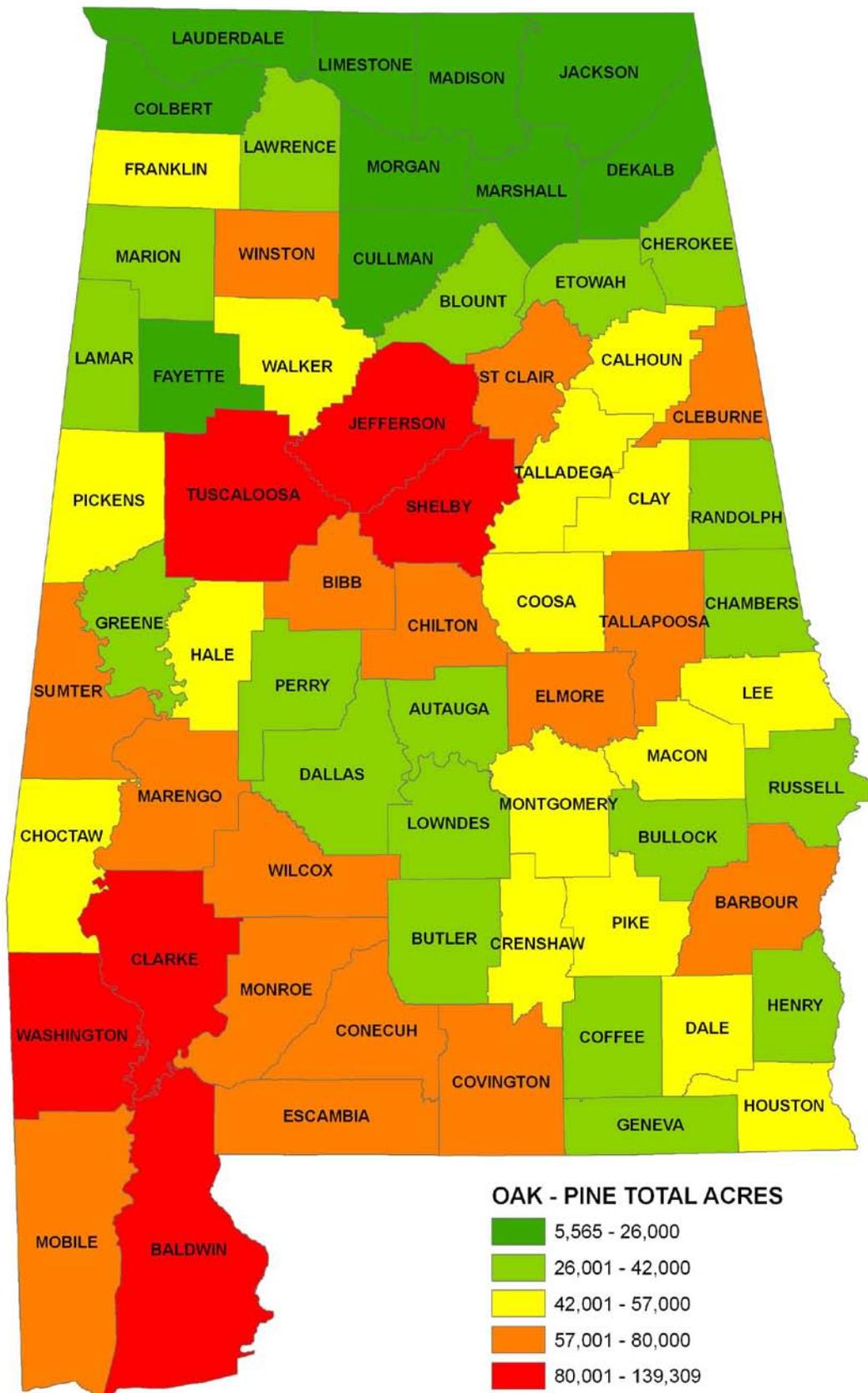
A tract of timberland is classified as “non-stocked” if at the time the FIA plot was inventoried there was <10% stocking of trees. This situation occurs on sites that have recently been clearcut.

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 any combination of counties can be added together until the totals are large enough to meet the desired degree of reliability (usually a 15+ county area).







TIMBERLAND ACRES BY STAND SIZE

County	Total	Sawtimber	Pulpwood	Seedling/Sapling
Acres				
Autauga	302,634	92,806	101,563	108,265
Baldwin	710,587	265,139	233,325	212,123
Barbour	426,523	189,336	91,137	146,050
Bibb	314,430	156,616	50,855	106,959
Blount	203,888	122,706	29,982	51,200
Bullock	321,541	138,399	83,356	99,786
Butler	398,269	138,533	135,754	123,982
Calhoun	205,498	98,520	50,031	56,947
Chambers	306,925	138,688	72,293	95,944
Cherokee	251,420	128,113	69,417	53,890
Chilton	318,331	116,140	143,287	58,904
Choctaw	525,557	237,314	128,478	159,765
Clarke	757,623	357,046	166,222	234,355
Clay	318,536	128,361	141,660	48,515
Cleburne	265,558	147,896	66,610	51,052
Coffee	230,655	65,143	92,205	73,307
Colbert	218,129	82,683	64,194	71,252
Conecuh	455,365	180,827	93,584	180,954
Coosa	389,868	140,583	104,965	144,320
Covington	477,823	196,200	176,146	105,477
Crenshaw	311,412	177,602	63,392	70,418
Cullman	233,054	90,873	77,478	64,703
Dale	238,154	129,137	43,144	65,873
Dallas	419,916	183,952	150,281	85,683
DeKalb	182,090	97,466	43,979	40,645
Elmore	228,373	85,591	100,598	42,184
Escambia	466,098	162,380	85,235	218,483
Etowah	193,623	109,092	35,820	48,711
Fayette	328,011	104,173	118,698	105,140
Franklin	301,553	104,841	97,057	99,655
Geneva	180,927	90,513	36,513	53,901
Greene	296,838	143,107	59,572	94,159
Hale	283,149	132,095	89,297	61,757
Henry	232,265	76,508	37,782	117,975
Houston	180,374	64,990	50,068	65,316
Jackson	434,156	288,900	104,080	41,176
Jefferson	424,308	210,993	107,773	105,542
Lamar	331,235	114,737	100,139	116,359
Lauderdale	166,878	82,425	50,185	34,268
Lawrence	197,092	102,184	47,198	47,710
Lee	268,305	110,529	96,001	61,775
Limestone	104,222	65,658	15,851	22,713
Lowndes	303,140	100,092	115,362	87,686
Macon	311,483	193,945	50,748	66,790
Madison	161,541	125,566	23,968	12,007
Marengo	453,094	192,612	99,328	161,154
Marion	361,633	84,664	156,309	120,660
Marshall	145,704	93,592	17,175	34,937
Mobile	508,408	234,142	110,787	163,479
Monroe	589,987	240,836	122,476	226,675
Montgomery	234,000	134,233	48,426	51,341

Morgan	200,277	127,703	26,326	46,248
Perry	339,264	138,268	99,076	101,920
Pickens	456,939	169,774	110,155	177,010
Pike	303,901	96,476	114,941	92,484
Randolph	281,497	105,357	89,453	86,687
Russell	299,700	114,964	90,360	94,376
St. Clair	316,684	170,355	54,447	91,882
Shelby	321,274	137,550	84,935	98,789
Sumter	441,382	186,745	147,402	107,235
Talladega	298,285	119,884	88,850	89,551
Tallapoosa	410,189	164,761	125,704	119,724
Tuscaloosa	686,146	322,293	186,713	177,140
Walker	388,649	159,936	103,933	124,780
Washington	639,891	287,403	197,946	154,542
Wilcox	513,784	248,339	136,182	129,263
Winston	332,103	164,677	60,894	106,532
Total	22,700,148	9,962,962	6,167,101	6,570,085

NOTES: “Sawtimber” refers to stands in which the majority of the dominant and co-dominant trees are 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**

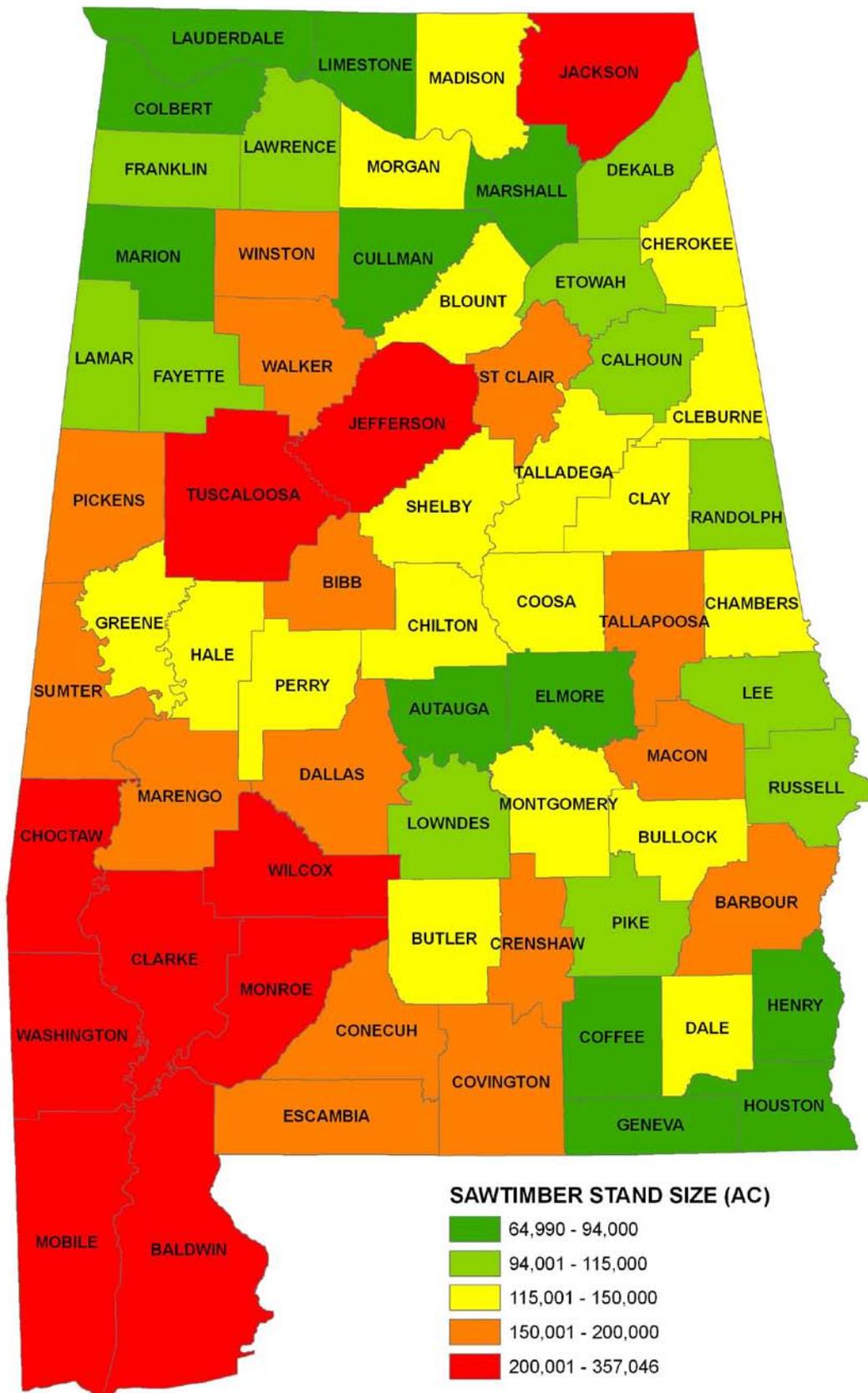
“Pulpwood” refers to stands in which the majority of the dominant and co-dominant trees are between 5.0” and 8.9” DBH for softwood forest types and between 5.0” and 10.9” DBH for hardwood forest types. **See the exception listed below in the “Seedling/Sapling” definition**

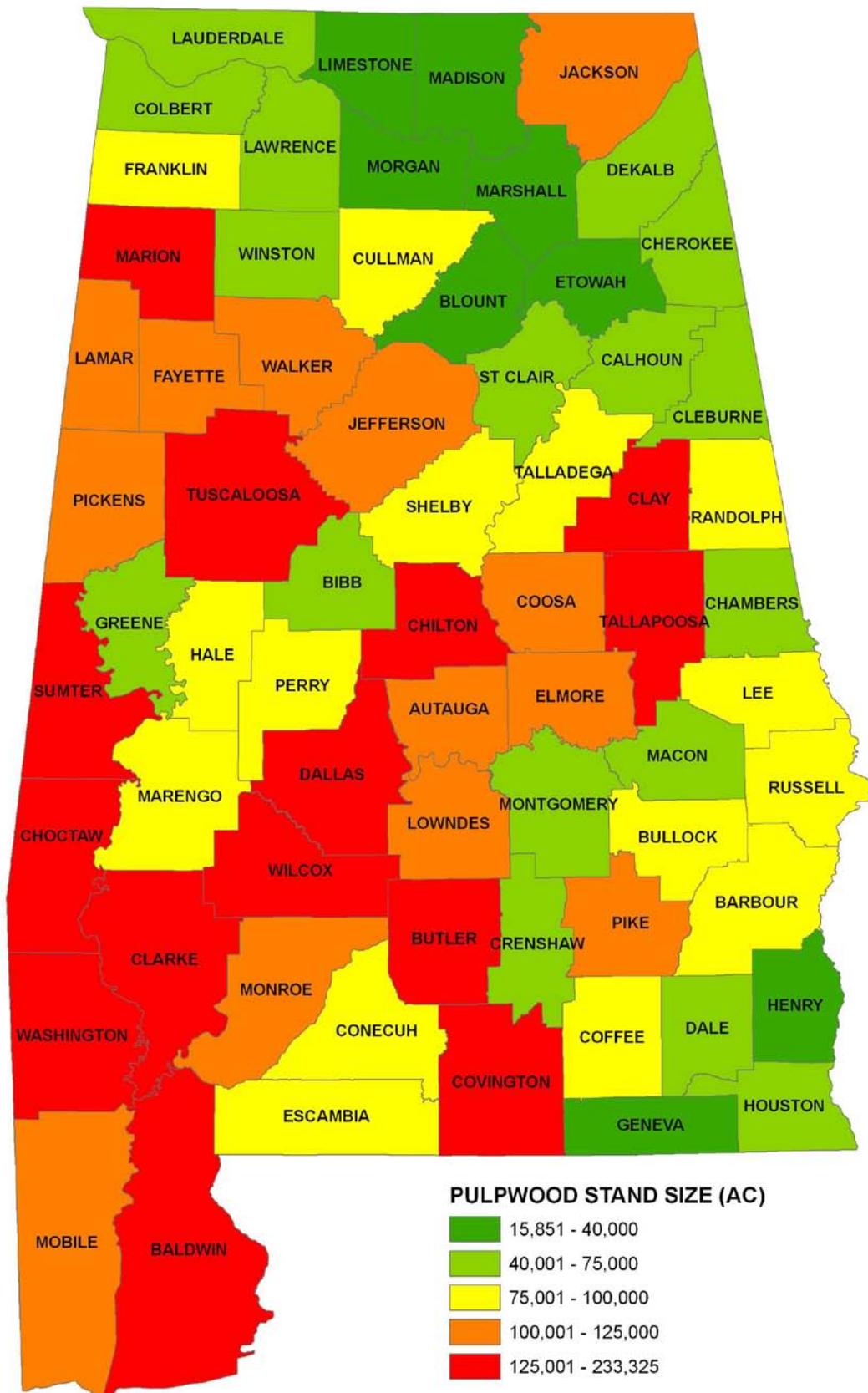
“Seedling/Sapling” refers to stands in which 2/3 of the crown cover consists of trees less than 5.0” DBH. **It is possible to have a stand in which the majority of the dominant and co-dominant trees are less than 5.0” DBH, yet the stand is classified as pulpwood or sawtimber due to the amount of crown cover.

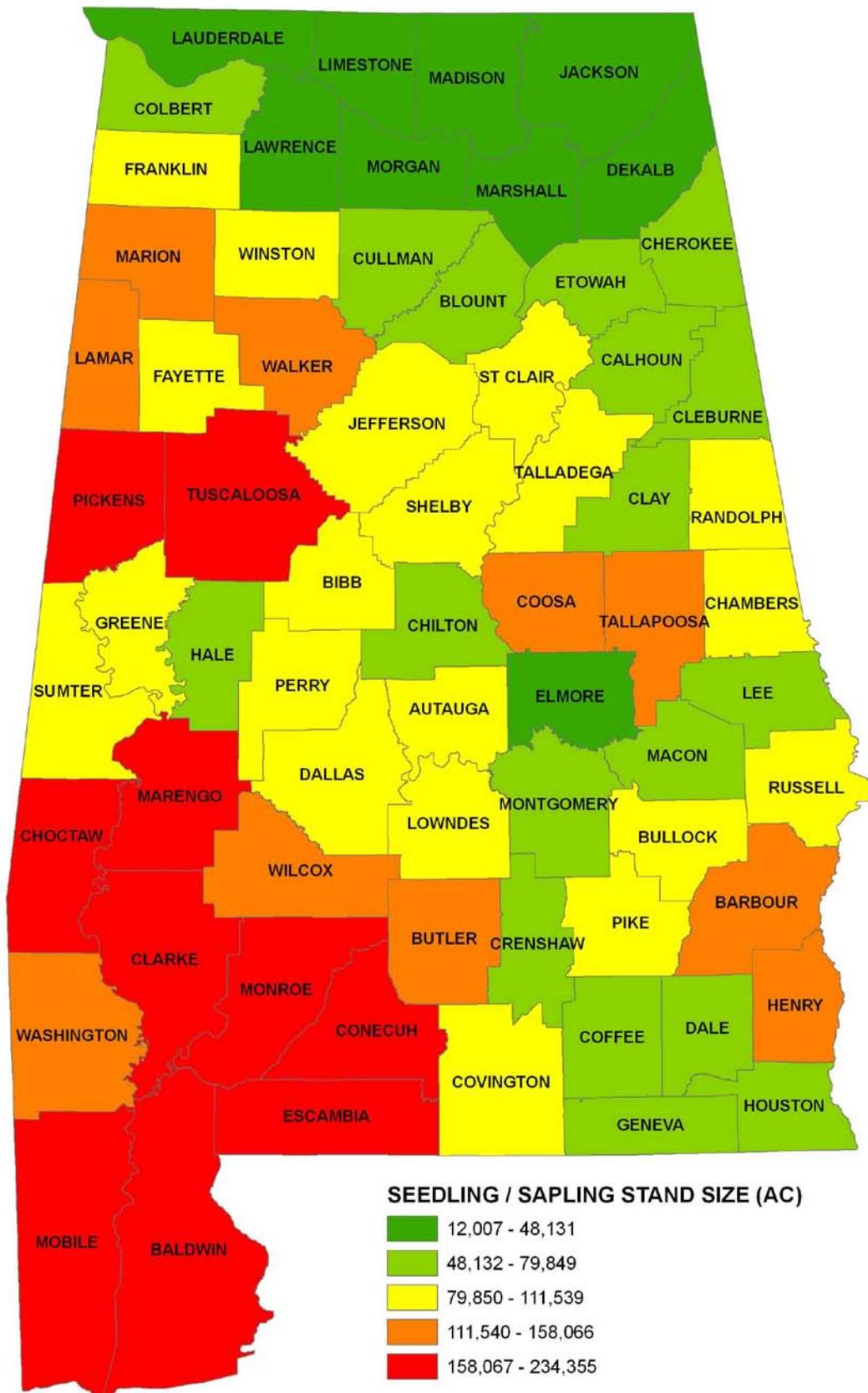
A very small portion (1%) of timberland acres is classified as “non-stocked” by Forest Inventory & Analysis (FIA) guidelines. The “non-stocked” acres have been included in the “seedling/sapling” category.

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

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







2008 FIA Timberland Inventory Statistics

- According to 2008 FIA data, there are 495.7 million tons of softwood growing stock volume and 572.7 million tons of hardwood growing stock volume in Alabama.
- For the time period 2001 to 2008, softwood net growth was 37.9 million tons annually and net growth for hardwoods was 18.7 million tons annually.
- Softwood volume removed annually as a result of harvesting during this same period amounted to 30.3 million tons. Approximately 6.1% of total pine volume is harvested annually. Hardwood volume removed was 12.5 million tons. Approximately 2.2% of total hardwood volume is harvested annually.
- Since 2000 total growing stock volume has increased by 5%.
- There are approximately 8.5 million green tons of recoverable biomass from logging operation sites annually in Alabama.
- Approximately 5.1 million acres (22.5%) of the commercial forest are under an identified certification program or are managed by government entities that require sound forest management.

GROWING STOCK VOLUME BY MAJOR SPECIES GROUP

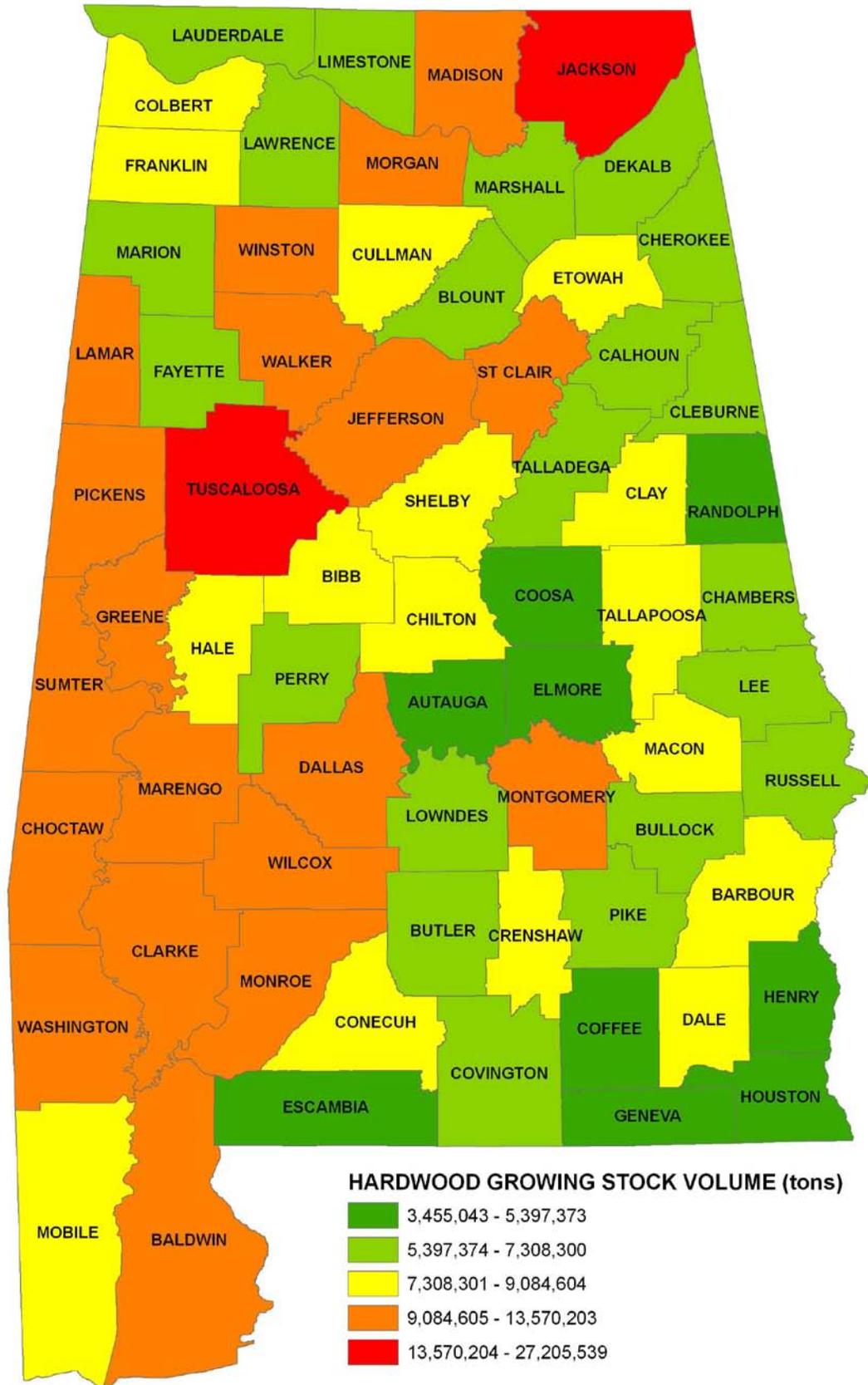
County Name	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	9,991,740	4,666,103	5,325,637
Baldwin	32,051,244	18,481,041	13,570,203
Barbour	17,509,317	9,463,062	8,046,255
Bibb	18,346,624	9,287,274	9,059,349
Blount	10,525,248	4,356,530	6,168,718
Bullock	13,871,409	7,523,292	6,348,118
Butler	14,984,388	8,283,604	6,700,784
Calhoun	10,895,490	4,427,883	6,467,607
Chambers	14,028,591	8,037,750	5,990,841
Cherokee	12,426,355	5,118,056	7,308,300
Chilton	12,884,636	5,262,438	7,622,198
Choctaw	32,593,903	19,933,360	12,660,543
Clarke	33,226,674	20,162,840	13,063,834
Clay	15,546,383	7,365,479	8,180,904
Cleburne	14,961,176	7,776,344	7,184,832
Coffee	8,431,851	4,976,809	3,455,043
Colbert	10,102,372	1,944,739	8,157,633
Conecuh	18,771,887	10,601,566	8,170,321
Coosa	13,513,452	8,116,080	5,397,373

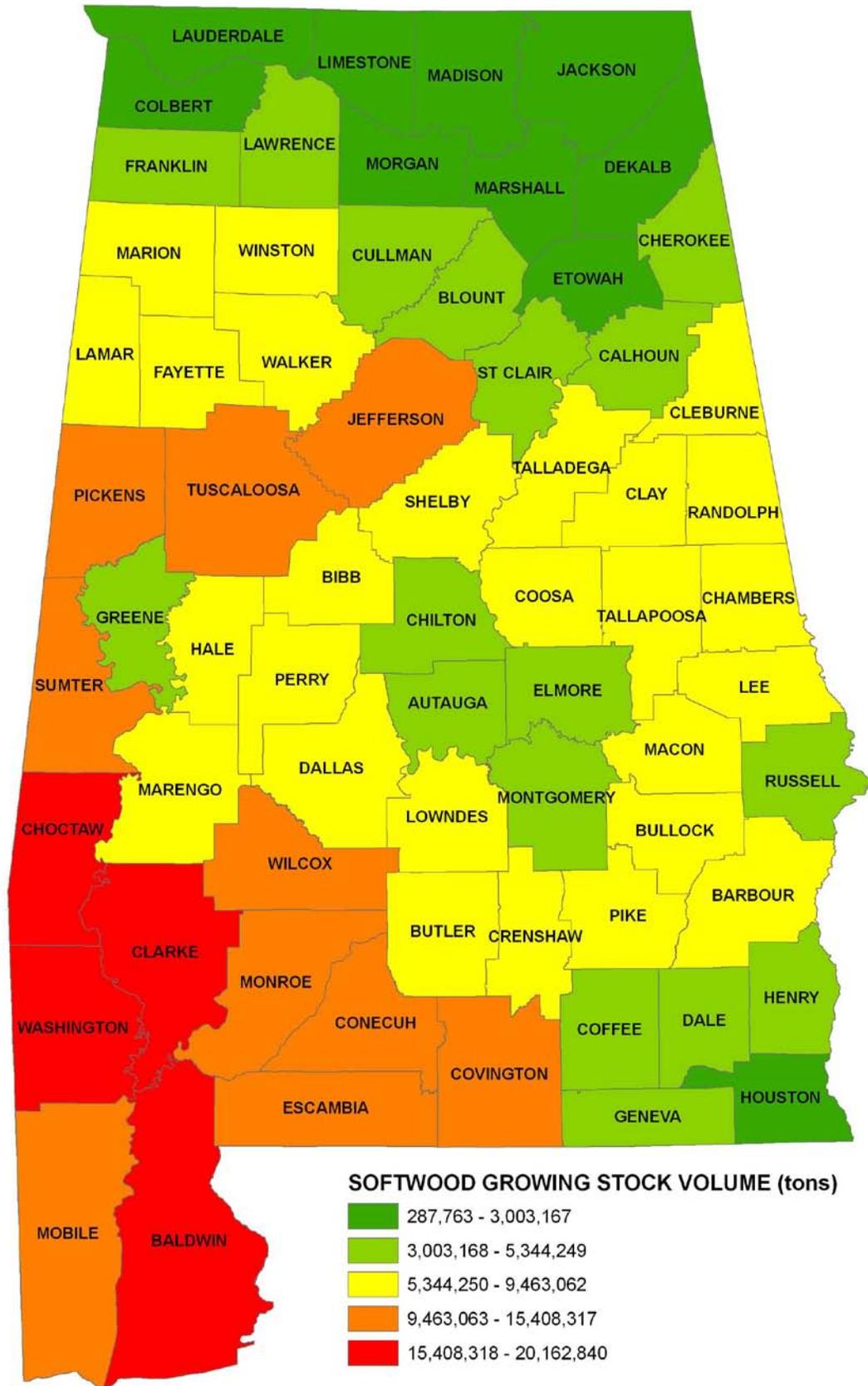
Covington	19,323,257	13,507,204	5,816,052
Crenshaw	17,680,867	9,271,446	8,409,421
Cullman	11,741,070	3,463,258	8,277,812
Dale	12,601,037	4,557,645	8,043,391
Dallas	19,979,891	7,825,640	12,154,250
DeKalb	8,745,099	2,700,753	6,044,347
Elmore	9,524,688	4,579,507	4,945,181
Escambia	15,856,221	11,314,878	4,541,343
Etowah	10,531,168	2,545,092	7,986,075
Fayette	15,031,720	7,826,484	7,205,236
Franklin	11,436,651	3,418,427	8,018,224
Geneva	8,215,184	4,040,831	4,174,352
Greene	15,014,471	5,084,611	9,929,860
Hale	15,310,278	6,248,773	9,061,505
Henry	8,361,618	3,590,103	4,771,515
Houston	7,870,022	3,002,772	4,867,250
Jackson	29,479,604	2,274,065	27,205,539
Jefferson	22,932,613	11,418,249	11,514,363
Lamar	16,389,165	6,067,119	10,322,046
Lauderdale	7,540,271	952,469	6,587,802
Lawrence	10,672,124	3,606,995	7,065,129
Lee	12,552,725	6,718,210	5,834,514
Limestone	6,543,149	287,763	6,255,385
Lowndes	12,089,014	6,376,007	5,713,007
Macon	15,228,736	6,850,614	8,378,122
Madison	12,629,387	1,998,244	10,631,142
Marengo	22,120,279	9,058,947	13,061,332
Marion	12,873,561	6,885,936	5,987,626
Marshall	8,837,787	1,930,940	6,906,847
Mobile	21,017,116	12,810,729	8,206,387
Monroe	26,409,257	15,088,083	11,321,174
Montgomery	13,682,349	3,540,149	10,142,200
Morgan	13,055,049	3,003,167	10,051,882
Perry	13,950,425	8,135,963	5,814,462
Pickens	20,935,107	10,333,062	10,602,045
Pike	12,247,298	6,496,089	5,751,208
Randolph	11,752,975	6,529,565	5,223,410
Russell	11,740,960	5,051,748	6,689,211
St. Clair	15,740,264	5,344,249	10,396,015
Shelby	15,332,160	6,301,894	9,030,266
Sumter	22,890,036	10,335,297	12,554,739
Talladega	13,556,740	7,586,390	5,970,350

Tallapoosa	18,062,312	8,977,708	9,084,604
Tuscaloosa	34,240,418	15,408,317	18,832,101
Walker	17,372,807	7,178,102	10,194,705
Washington	31,854,858	19,387,636	12,467,222
Wilcox	25,172,189	13,592,283	11,579,906
Winston	17,710,038	7,461,819	10,248,219
Total	1,068,496,755	495,749,483	572,747,272

NOTES: “Growing stock” refers to high-quality trees capable of producing lumber, veneer, poles, or ties/timbers currently or in the future, based on Forest Inventory & Analysis (FIA) specifications.

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





ANNUAL NET GROWTH OF GROWING STOCK

(2001 – 2008)

County Name	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	643,412	511,918	131,493
Baldwin	1,357,208	1,093,377	263,831
Barbour	1,083,739	820,358	263,380
Bibb	1,074,140	731,036	343,104
Blount	571,161	382,101	189,061
Bullock	900,610	661,789	238,821
Butler	1,144,366	911,865	232,501
Calhoun	483,092	278,441	204,651
Chambers	1,088,658	832,108	256,550
Cherokee	517,238	322,987	194,250
Chilton	624,371	338,688	285,683
Choctaw	1,851,771	1,486,614	365,157
Clarke	1,871,072	1,353,630	517,443
Clay	823,663	482,043	341,620
Cleburne	734,207	519,295	214,912
Coffee	603,523	401,324	202,198
Colbert	549,480	113,140	436,340
Conecuh	1,119,111	887,186	231,925
Coosa	1,032,706	793,689	239,017
Covington	1,206,975	963,441	243,534
Crenshaw	1,157,501	893,917	263,584
Cullman	582,915	277,457	305,459
Dale	571,738	260,564	311,173
Dallas	929,208	695,906	233,302
DeKalb	334,360	95,214	239,146
Elmore	569,155	439,324	129,831
Escambia	829,308	747,801	81,508
Etowah	522,297	248,946	273,351
Fayette	953,215	617,257	335,958
Franklin	562,134	327,756	234,378
Geneva	534,189	325,188	209,001
Greene	613,043	402,740	210,304
Hale	781,247	497,742	283,506
Henry	485,269	291,243	194,025
Houston	515,170	334,037	181,134
Jackson	854,166	125,393	728,773

Jefferson	1,102,732	777,955	324,777
Lamar	1,117,321	671,012	446,309
Lauderdale	372,634	99,482	273,151
Lawrence	383,682	155,437	228,245
Lee	956,930	662,153	294,776
Limestone	164,135	22,666	141,469
Lowndes	969,223	826,399	142,824
Macon	683,868	414,349	269,519
Madison	308,961	-2,358	311,319
Marengo	1,080,710	666,979	413,731
Marion	968,565	777,625	190,940
Marshall	262,332	58,699	203,633
Mobile	942,464	708,399	234,064
Monroe	1,361,416	1,019,808	341,607
Montgomery	627,855	306,753	321,101
Morgan	288,554	-48,694	337,248
Perry	954,878	754,225	200,653
Pickens	1,001,491	762,476	239,016
Pike	1,020,338	725,493	294,845
Randolph	804,368	588,605	215,763
Russell	910,657	630,884	279,773
St. Clair	457,794	117,455	340,339
Shelby	491,213	223,063	268,150
Sumter	1,324,584	960,950	363,634
Talladega	716,411	498,192	218,219
Tallapoosa	1,152,937	851,579	301,358
Tuscaloosa	1,628,483	1,119,838	508,646
Walker	1,010,086	840,807	169,279
Washington	1,624,279	1,106,134	518,145
Wilcox	1,560,761	1,209,684	351,076
Winston	240,630	-101,122	341,751
Total	56,565,707	37,870,442	18,695,265

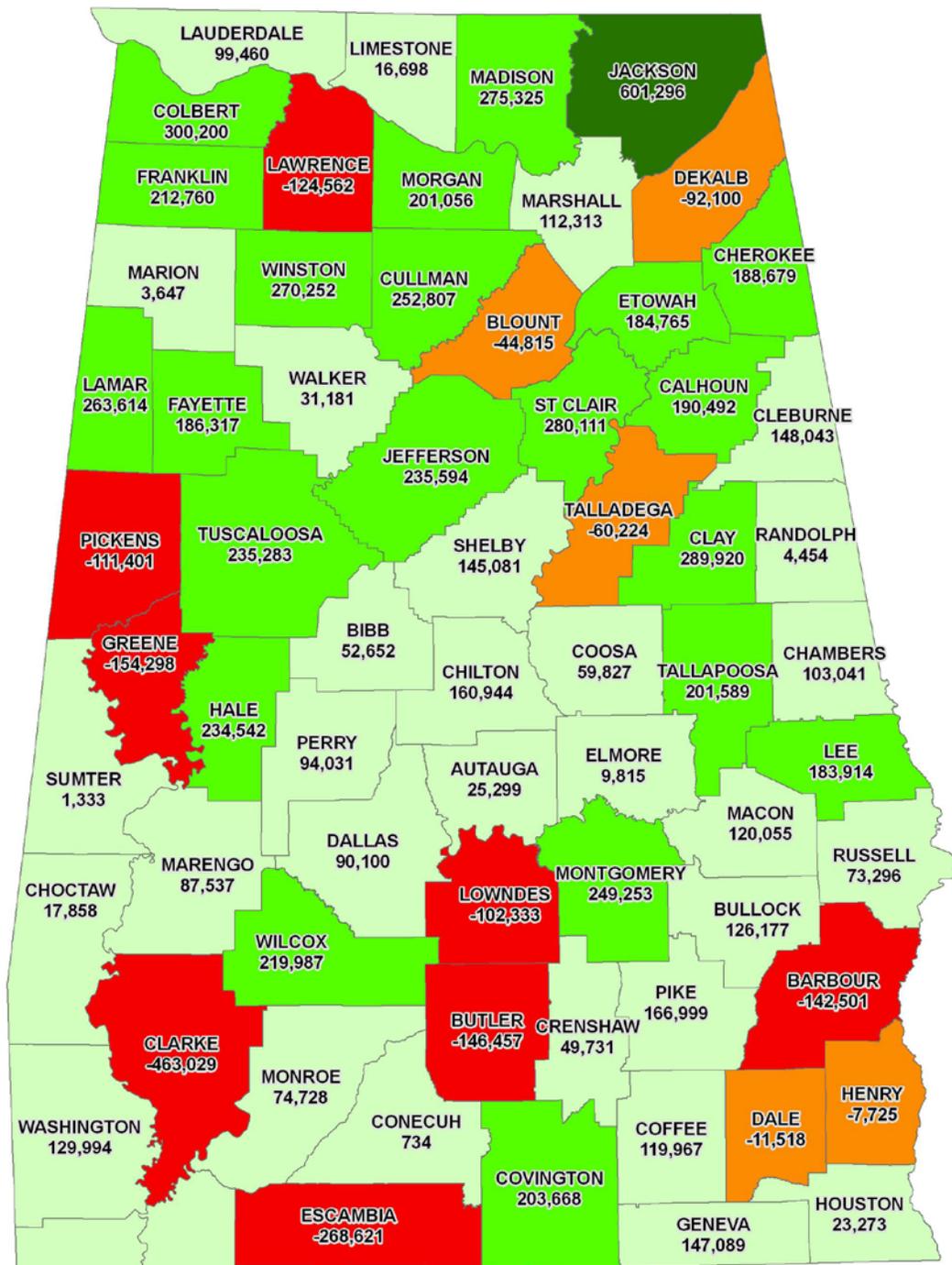
NOTE: Numbers in rows and columns may not sum due to rounding.

ANNUAL REMOVALS OF GROWING STOCK
(2001 – 2008)

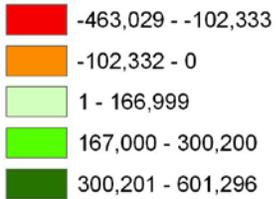
County Name	Total	Softwoods	Hardwoods
<i>Tons</i>			
Autauga	417,207	311,013	106,194
Baldwin	1,600,097	1,418,984	181,113
Barbour	1,098,136	692,255	405,881
Bibb	1,269,741	979,289	290,452
Blount	334,277	100,402	233,876
Bullock	486,532	373,887	112,645
Butler	1,085,206	706,248	378,958
Calhoun	105,628	91,469	14,159
Chambers	873,173	719,664	153,509
Cherokee	126,903	121,332	5,571
Chilton	258,569	133,830	124,739
Choctaw	1,048,042	700,743	347,299
Clarke	3,126,352	2,145,881	980,472
Clay	289,685	237,985	51,700
Cleburne	579,018	512,149	66,869
Coffee	314,245	232,014	82,231
Colbert	274,070	137,930	136,140
Conecuh	1,248,426	1,017,235	231,191
Coosa	1,191,229	1,012,039	179,189
Covington	511,790	471,925	39,865
Crenshaw	855,840	641,986	213,854
Cullman	200,398	147,747	52,652
Dale	625,332	302,641	322,691
Dallas	621,203	478,001	143,202
DeKalb	382,156	50,911	331,246
Elmore	289,137	169,121	120,016
Escambia	1,585,258	1,235,129	350,129
Etowah	170,327	81,742	88,585
Fayette	473,358	323,717	149,642
Franklin	44,872	23,254	21,618
Geneva	426,134	364,222	61,912
Greene	579,817	215,216	364,601
Hale	466,467	417,503	48,964
Henry	557,406	355,656	201,750
Houston	582,754	424,893	157,860
Jackson	253,620	126,143	127,477

Jefferson	285,474	196,291	89,183
Lamar	524,125	341,430	182,695
Lauderdale	319,317	145,625	173,692
Lawrence	400,830	48,023	352,807
Lee	546,002	435,140	110,863
Limestone	124,771	0	124,771
Lowndes	772,692	527,536	245,157
Macon	503,703	354,239	149,464
Madison	35,994	0	35,994
Marengo	1,135,013	808,819	326,194
Marion	929,106	741,812	187,294
Marshall	165,833	74,512	91,321
Mobile	921,517	767,050	154,467
Monroe	1,517,462	1,250,582	266,879
Montgomery	355,981	284,133	71,848
Morgan	275,927	139,736	136,191
Perry	695,485	588,863	106,622
Pickens	680,221	329,804	350,416
Pike	463,054	335,208	127,847
Randolph	522,791	311,482	211,309
Russell	438,148	231,671	206,477
St. Clair	231,151	170,923	60,228
Shelby	494,358	371,289	123,069
Sumter	1,148,953	786,652	362,301
Talladega	532,719	254,276	278,443
Tallapoosa	653,898	554,129	99,769
Tuscaloosa	741,323	467,960	273,363
Walker	712,248	574,150	138,098
Washington	1,043,315	655,165	388,151
Wilcox	905,591	774,502	131,089
Winston	327,545	256,046	71,499
Total	42,756,952	30,251,201	12,505,750

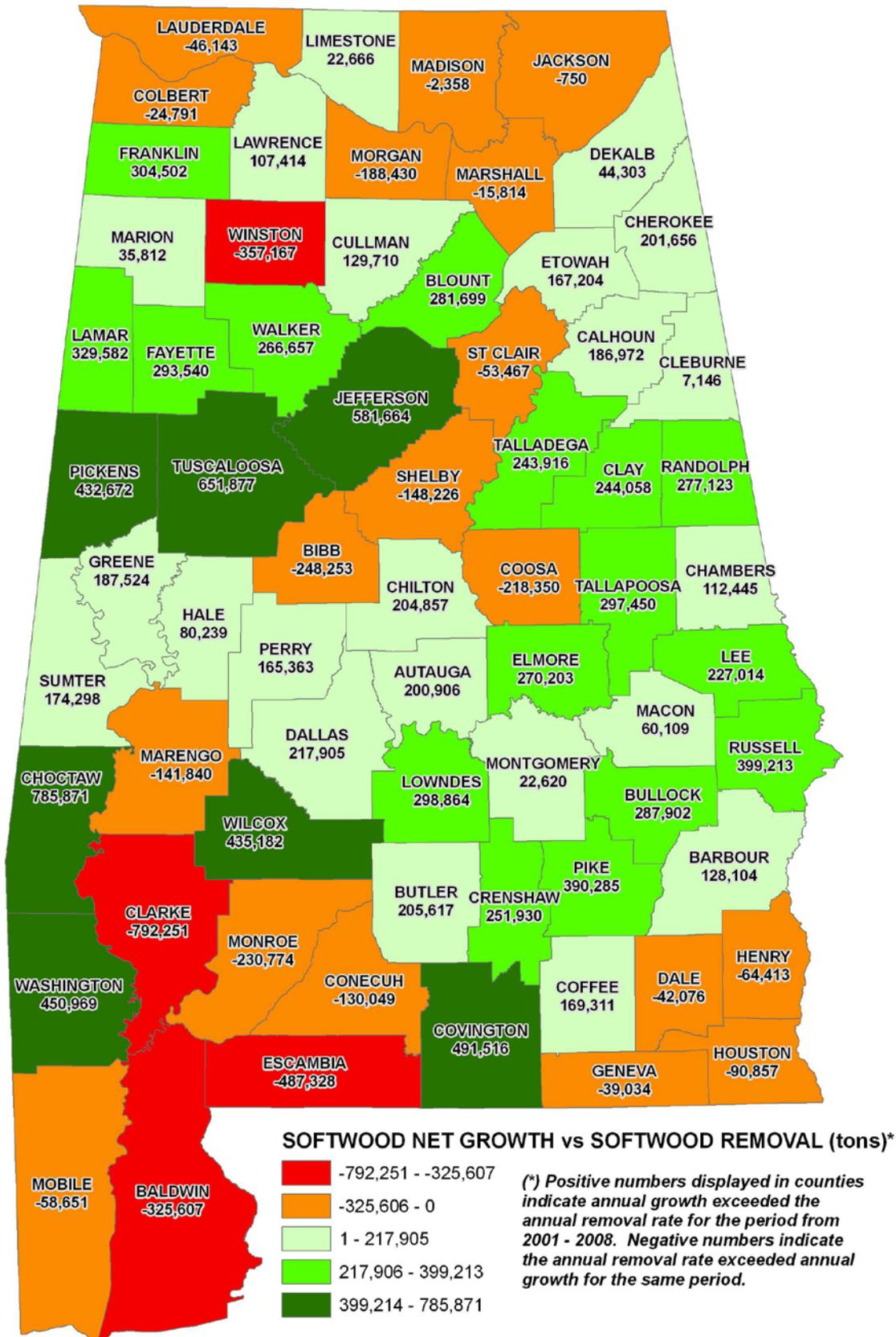
NOTE: Numbers in rows and columns may not sum due to rounding.



HARDWOOD NET GROWTH vs HARDWOOD REMOVAL (tons)*



(*) Positive numbers displayed in counties indicate annual growth exceeded the annual removal rate for the period from 2001 - 2008. Negative numbers indicate the annual removal rate exceeded annual growth for the same period.



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 Revenue and Finance Department

Alabama Development Office - Website Address: www.ado.state.al.us

Forest Inventory & Analysis EVALIDator 4.01 - Website address: <http://srsfia2.fs.fed.us/data/index.shtml>

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

ACKNOWLEDGEMENTS

This report was developed by Brian Hendricks, Forest Inventory & Analysis Coordinator, Alabama Forestry Commission. The maps contained within this report were created by Bill Christie, Geographic Information Specialist, Alabama Forestry Commission.