

2022

Timber Supply, Pine Bluff, Arkansas



University of Arkansas at
Monticello
College of Forestry,
Agriculture, and Natural
Resources

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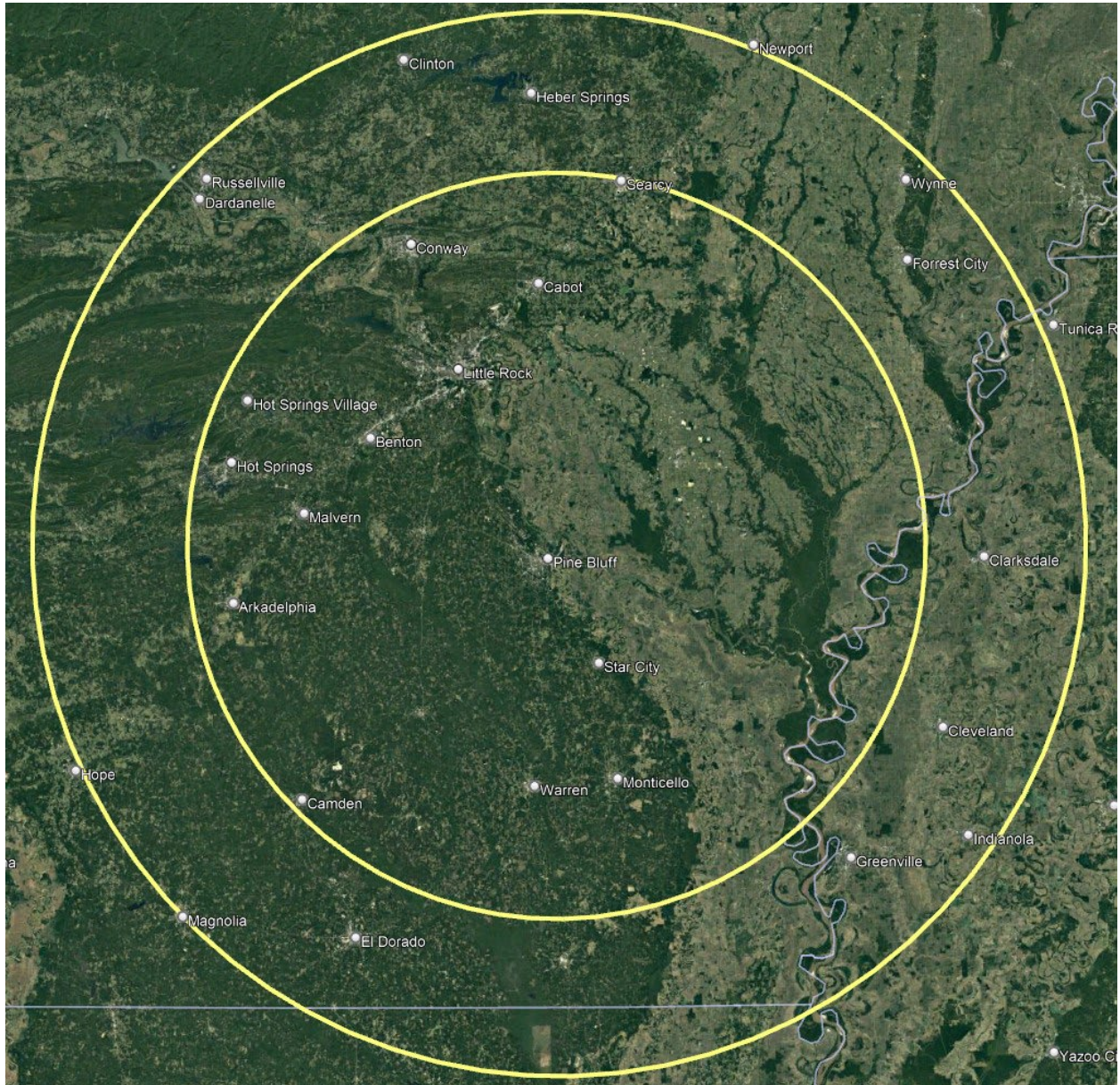


Figure 1. 70 and 100-mile radii around Pine Bluff, Arkansas.

Summary

The timber resources in the 70-miles surrounding Pine Bluff, Arkansas can support additional harvests greater than 1.9 million tons per year in pine saw logs and 0.8 million tons in pine pulpwood and top wood. Within 100 miles, these values increase to 5.4 and 2.0 million tons per year in saw logs and pulpwood/top wood, respectively. Annual hardwood removals within 70 miles could increase by 1.6 million tons in saw logs and 0.2 million tons in pulpwood and top wood, with these values increasing to 3.3 and 0.9 million tons, respectively, in a 100-mile radius.

This data comes from the most recent FIA data (AR-2020, MS-2019, and TN-2017) and does not reflect changes in forest cover, growth, or removals from that time to present. Changes in existing mill production and other forest disturbances could have a substantial effect on the values provided here, and those changes will likely increase over time.

Highlights of Tables

- There are 5.1 and 10.3 million acres of timber land within 70 and 100 miles, respectively, of Pine Bluff, Arkansas
- Pine is the dominant forest type in the region (43%) followed by bottomland hardwoods (23%) and upland hardwoods (23%)
- Naturally regenerated forests cover account for 70% of all forestland in the region, but 60% of pine covertypes are artificially regenerated. Only 7% of non-pine forests are artificially regenerated
- 89% of the timberland is privately owned within 100 miles of Pine Bluff. Forest growing stock, growth, and removals are generally proportional to ownership.
- Within 70 miles of Pine Bluff
 - 139 million tons of pine growing stock, 98 million tons of which is pine saw timber and 41 million tons of pulpwood and top wood
 - 182 million tons of hardwood growing stock, 112 million tons of which is saw timber and 70 million tons is pulpwood and top wood
 - Annual surplus in pine growth is 1.9 million tons in saw timber and 0.8 million tons in pulpwood
 - Annual surplus in hardwood growth is 1.6 million tons in saw timber and 0.2 million tons in pulpwood
- Within 100 miles of Pine Bluff
 - 275 million tons of pine growing stock, 198 million tons of which is pine saw timber and 77 million tons of pulpwood and top wood
 - 349 million tons of hardwood growing stock, 204 million tons of which is saw timber and 145 million tons is pulpwood and top wood
 - Annual surplus in pine growth is 5.4 million tons in saw timber and 2.0 million tons in pulpwood
 - Annual surplus in hardwood growth is 3.3 million tons in saw timber and 0.9 million tons in pulpwood
 - Hardwood resources consist primarily of various oak species, dominated by “other red oaks” and sweetgum with 33% of the volume being in high grade trees suitable for factory grade lumber production.

Hardwood resources are plentiful in the region, but only 34% of the resources are considered “high quality” (Grades 1 and 2) which will produce substantial proportions of grade lumber (Figure 2). Grade 3 trees will produce some factory lumber but the majority of grade 3 and lower trees will largely produce crossties and pallet w

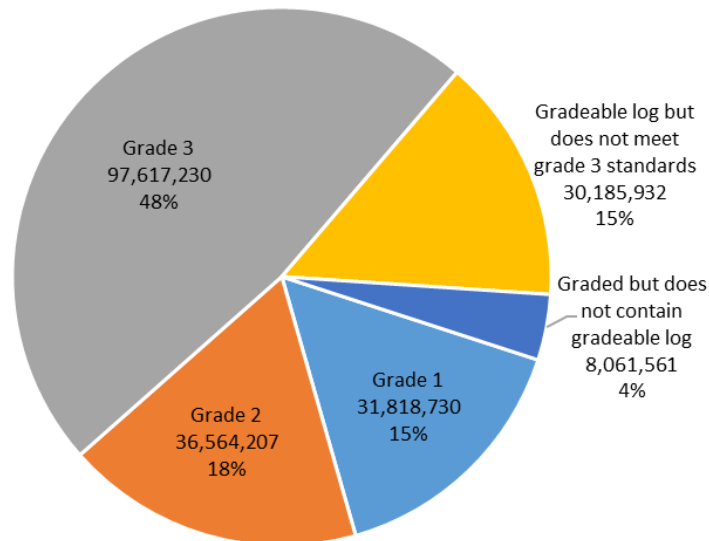


Figure 2. Hardwood saw timber resources by tree trade within a 100-mile radius of Pine Bluff, Arkansas. Volumes are saw timber in green short tons.

The species groups present in the region are largely red and white oaks and sweetgum, which combined make up 87% of the total hardwood saw timber. Select red oak (15%) and select white oak (18%) are present as well. Select species are generally those preferred for factory grade lumber production.

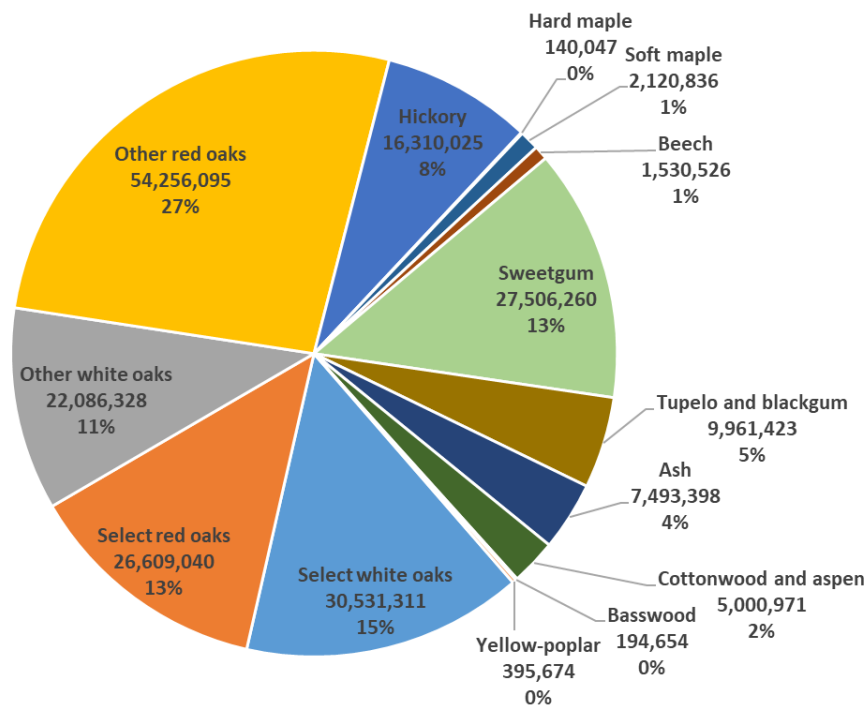


Figure 3. Major hardwood species groups present within a 100-mile radius of Pine Bluff, Arkansas. Volume numbers are saw timber in green short tons.

Many species present could sustain substantial increases in their sustainable harvest levels. These include oaks and particularly sweetgum (Figure 4).

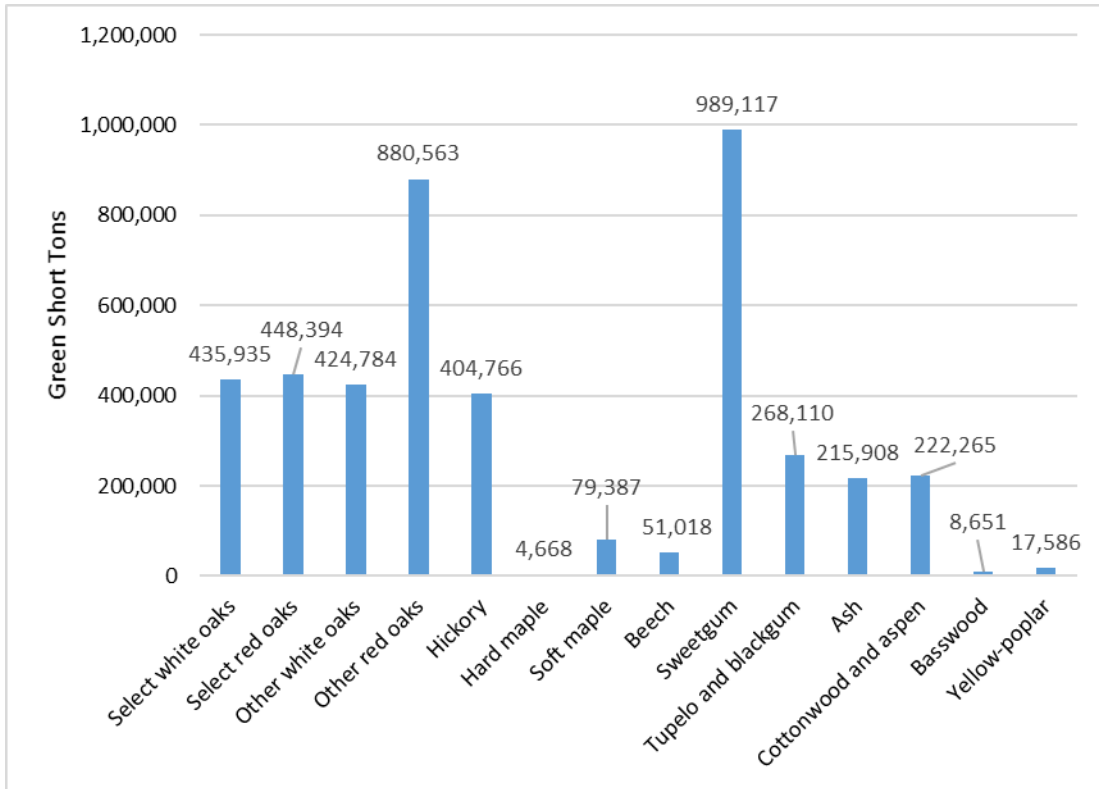


Figure 4. Sustainable annual allowable increase in saw timber harvesting in various species groups. Values are in saw timber green short tons per year within a 100-mile radius of Pine Bluff, Arkansas.

Purpose/Objectives

The purpose of this analysis is to create a one-time snapshot of merchantable timber around Pine Bluff Arkansas. The data tables attached will provide information on the following:

- Timberland area within 70 and 100 miles aerial radius of Pine Bluff, Arkansas by ownership and forest type group (Tables 1 and 2)
- Timberland area within 100 miles aerial radius of Pine Bluff, Arkansas by forest type group and stand origin (Table 3)
- Within 70 miles and 100 miles for major species groups and ownership groups:
 - Current growing stock for merchantable bole, saw logs, and pulpwood/top wood (Table 4 and 8)
 - Annual net growth for merchantable bole, saw logs, and pulpwood/top wood (Table 5 and 9)
 - Annual removals group for merchantable bole, saw logs, and pulpwood/top wood (Table 6 and 10)
 - Annual net surplus for merchantable bole, saw logs, and pulpwood/top wood (Table 7 and 11)
- Hardwood saw timber growing stock by grade and estimates of sustainable surplus (or deficit) by species group (Table 12)

Methods

The USDA Forest Service Forest Inventory and Analysis (FIA) database is the source of the data for these tables. Data comes from the Arkansas (2020), Louisiana (2018), and Mississippi (2019) inventories, which, at the time of this report are the most current available. The online software EVALIDATOR and DATIM processed the database queries for these reports. EVALIDATOR and DATIM can be accessed on the FIA National Program website (<https://www.fia.fs.fed.us/tools-data/>).

Some specifics to the database queries are important to note:

- The center of the analysis radii of 70 and 100 miles is 34.272224 degrees north latitude and - 91.967287 degrees west longitude (Port of Pine Bluff, Arkansas)
- The results show acre and tonnages based on timberland based on FIA definition (FIADEF)
- Ownership categories are either PUBLIC or PRIVATE
- Areas are in acres
- Tree biomass is reported in GREEN SHORT TONS

This report is an initial survey of timber resources. The Arkansas Center for Forest Business upon request can provide more detailed analysis and information regarding the region.

Table 1. Timberland acres by forest type group and ownership within a 70-mile radius of Pine Bluff, Arkansas.

Forest type group	Ownership group		
	Total	Public	Private
Total	5,165,591	323,074	4,842,517
Loblolly / shortleaf pine group	2,278,106	72,026	2,206,080
Other eastern softwoods group	30,413	0	30,413
Oak / pine group	375,214	31,929	343,285
Oak / hickory group	1,074,829	77,955	996,874
Oak / gum / cypress group	852,177	98,992	753,184
Elm / ash / cottonwood group	485,306	37,342	447,964
Exotic hardwoods group	1,768	0	1,768
Nonstocked	67,777	4,830	62,947

Table 2. Timberland acres by forest type group and ownership within a 100-mile radius of Pine Bluff, Arkansas.

Forest type group	Ownership group		
	Total	Public	Private
Total	10,336,210	1,087,527	9,248,682
Loblolly / shortleaf pine group	4,468,485	387,358	4,081,127
Other eastern softwoods group	46,999	0	46,999
Oak / pine group	902,399	125,338	777,061
Oak / hickory group	2,392,523	313,608	2,078,915
Oak / gum / cypress group	1,538,098	173,168	1,364,929
Elm / ash / cottonwood group	838,539	75,758	762,782
Other hardwoods group	12,046	0	12,046
Exotic hardwoods group	11,241	0	11,241
Nonstocked	125,879	12,297	113,582

Table 3. Stand origin by acres and forest cover type within 100-mile radius of Pine Bluff, Arkansas.

Forest type group	Total	Natural stands	Clear evidence of artificial regeneration
Total	10,336,210	7,286,701	3,049,508
Loblolly / shortleaf pine group	4,468,485	1,806,854	2,661,630
Other eastern softwoods group	46,999	46,999	0
Oak / pine group	902,399	775,623	126,777
Oak / hickory group	2,392,523	2,340,505	52,018
Oak / gum / cypress group	1,538,098	1,396,408	141,689
Elm / ash / cottonwood group	838,539	798,989	39,550
Other hardwoods group	12,046	12,046	0
Exotic hardwoods group	11,241	11,241	0
Nonstocked	125,879	98,035	27,844

Table 4. Growing stock of merchantable bole biomass, saw log portion, and pulpwood/top wood portion in green tons by major species group and major ownership group within 70 miles of Pine Bluff, Arkansas.

TOTAL MERCHANTABLE BOLE GROWING STOCK IN TONS				
Species group	Total	Ownership group		Not available
		Public	Private	
Total	331,952,746	33,110,902	298,841,844	0
Pines	138,704,576	8,176,041	130,528,536	0
Other softwoods	10,808,163	2,427,733	8,380,430	0
Soft hardwoods	61,412,740	8,780,186	52,632,554	0
Hard hardwoods	121,027,267	13,726,942	107,300,325	0

SAWLOG PORTION OF GROWING STOCK IN TONS				
Species group	Total	Ownership group		Not available
		Public	Private	
Total	219,867,560	25,438,421	194,429,138	0
Pines	97,831,798	7,185,532	90,646,266	0
Other softwoods	9,309,923	1,886,346	7,423,577	0
Soft hardwoods	33,565,440	6,084,490	27,480,950	0
Hard hardwoods	79,160,399	10,282,054	68,878,345	0

PULPWOOD and TOPWOOD PORTION OF GROWING STOCK IN TONS				
Species group	Total	Ownership group		Not available
		Public	Private	
Total	112,085,186	7,672,481	104,412,706	0
Pines	40,872,778	990,509	39,882,270	0
Other softwoods	1,498,240	541,387	956,853	0
Soft hardwoods	27,847,300	2,695,696	25,151,604	0
Hard hardwoods	41,866,868	3,444,888	38,421,980	0

Table 5. Annual net growth of merchantable bole biomass, saw log portion, and pulpwood/top wood portion in green tons by major species group and major ownership group within 70 miles of Pine Bluff, Arkansas.

MERCHANTABLE BOLE BIOMASS NET ANNUAL GROWTH IN TONS

Species group	Total	Ownership group		
		Public	Private	Not available
Total	16,320,646	739,645	15,561,827	19,174
Pines	11,168,900	294,371	10,858,390	16,139
Other softwoods	369,089	78,377	290,712	0
Soft hardwoods	1,938,048	138,920	1,798,077	1,051
Hard hardwoods	2,844,609	227,977	2,614,648	1,984

SAWLOG PORTION OF NET ANNUAL GROWTH IN TONS

Species group	Total	Ownership group		
		Public	Private	Not available
Total	11,839,452	675,804	11,147,321	16,327
Pines	8,095,592	276,620	7,804,768	14,205
Other softwoods	351,634	76,977	274,657	0
Soft hardwoods	1,240,308	119,855	1,120,454	0
Hard hardwoods	2,151,917	202,353	1,947,442	2,122

PULPWOOD and TOPWOOD PORTION OF NET ANNUAL GROWTH IN TONS

Species group	Total	Ownership group		
		Public	Private	Not available
Total	4,481,194	63,841	4,414,506	2,847
Pines	3,073,307	17,752	3,053,622	1,934
Other softwoods	17,455	1,400	16,055	0
Soft hardwoods	697,740	19,066	677,623	1,051
Hard hardwoods	692,692	25,624	667,206	-137

Table 6. Annual removals of merchantable bole biomass, saw log portion, and pulpwood/top wood portion in green tons by major species group and major ownership group within 70 miles of Pine Bluff, Arkansas.

MERCHANTABLE BOLE BIOMASS ANNUAL REMOVALS IN TONS

Species group	Total	Ownership group		Not available
		Public	Private	
Total	11,540,657	434,278	10,793,320	313,059
Pines	8,440,445	24,558	8,201,679	214,208
Other softwoods	47,528	0	1,459	46,068
Soft hardwoods	936,377	321,270	596,863	18,244
Hard hardwoods	2,116,308	88,451	1,993,319	34,539

SAWLOG PORTION OF ANNUAL REMOVALS IN TONS

Species group	Total	Ownership group		Not available
		Public	Private	
Total	8,021,267	268,720	7,490,788	261,759
Pines	6,153,205	19,497	5,936,336	197,372
Other softwoods	43,522	0	0	43,522
Soft hardwoods	388,087	181,904	201,005	5,178
Hard hardwoods	1,436,453	67,319	1,353,447	15,688

PULPWOOD and TOPWOOD PORTION OF ANNUAL REMOVALS IN TONS

Species group	Total	Ownership group		Not available
		Public	Private	
Total	3,519,390	165,558	3,302,532	51,300
Pines	2,287,240	5,061	2,265,343	16,836
Other softwoods	4,006	0	1,459	2,547
Soft hardwoods	548,290	139,366	395,857	13,067
Hard hardwoods	679,855	21,132	639,872	18,851

Table 7. Annual surplus of merchantable bole biomass, saw log portion, and pulpwood/top wood portion in green tons by major species group and major ownership group within 70 miles of Pine Bluff, Arkansas.

MERCHANTABLE BOLE BIOMASS ANNUAL NET SURPLUS IN TONS

Species group	Total	Ownership group		Not available
		Public	Private	
Total	4,779,989	305,367	4,768,507	-293,885
Pines	2,728,455	269,813	2,656,711	-198,069
Other softwoods	321,562	78,377	289,253	-46,068
Soft hardwoods	1,001,671	-182,349	1,201,214	-17,193
Hard hardwoods	728,301	139,526	621,329	-32,554

SAWLOG PORTION OF ANNUAL NET SURPLUS IN TONS

Species group	Total	Ownership group		Not available
		Public	Private	
Total	3,818,185	407,084	3,656,533	-245,432
Pines	1,942,387	257,122	1,868,432	-183,167
Other softwoods	308,112	76,977	274,657	-43,522
Soft hardwoods	852,222	-62,050	919,449	-5,178
Hard hardwoods	715,464	135,034	593,996	-13,566

PULPWOOD and TOPWOOD PORTION OF ANNUAL NET SURPLUS IN TONS

Species group	Total	Ownership group		Not available
		Public	Private	
Total	961,804	-101,717	1,111,974	-48,453
Pines	786,067	12,691	788,279	-14,902
Other softwoods	13,450	1,400	14,596	-2,547
Soft hardwoods	149,450	-120,300	281,765	-12,016
Hard hardwoods	12,837	4,492	27,333	-18,988

Table 8. Growing stock of merchantable bole biomass, saw log portion, and pulpwood/top wood portion in green tons by major species group and major ownership group within 100 miles of Pine Bluff, Arkansas.

TOTAL MERCHANTABLE BOLE GROWING STOCK IN TONS				
Species Group	Total	Ownership group		Not available
		Public	Private	
Total	641,693,400	93,419,637	548,273,763	0
Pines	275,421,041	34,942,761	240,478,280	0
Other softwoods	17,473,687	2,744,620	14,729,067	0
Soft hardwoods	108,242,213	16,425,711	91,816,503	0
Hard hardwoods	240,556,458	39,306,545	201,249,913	0

SAWLOG PORTION OF GROWING STOCK IN TONS				
Species Group	Total	Ownership group		Not available
		Public	Private	
Total	416,233,443	66,955,100	349,278,343	0
Pines	197,797,999	29,510,995	168,287,004	0
Other softwoods	14,187,377	2,114,925	12,072,452	0
Soft hardwoods	56,076,569	10,714,693	45,361,877	0
Hard hardwoods	148,171,499	24,614,488	123,557,011	0

PULPWOOD and TOPWOOD PORTION OF GROWING STOCK IN TONS				
Species Group	Total	Ownership group		Not available
		Public	Private	
Total	225,459,957	26,464,537	198,995,420	0
Pines	77,623,042	5,431,766	72,191,276	0
Other softwoods	3,286,310	629,695	2,656,615	0
Soft hardwoods	52,165,644	5,711,018	46,454,626	0
Hard hardwoods	92,384,959	14,692,057	77,692,902	0

Table 9. Annual net growth of merchantable bole biomass, saw log portion, and pulpwood/top wood portion in green tons by major species group and major ownership group within 100 miles of Pine Bluff, Arkansas.

MERCHANTABLE BOLE BIOMASS NET ANNUAL GROWTH IN TONS				
Species Group	Total	Ownership group		
		Public	Private	Not available
Total	30,126,494	2,277,933	27,829,265	19,296
Pines	20,407,293	1,122,540	19,254,663	30,090
Other softwoods	579,027	87,471	491,503	53
Soft hardwoods	3,136,393	305,923	2,828,250	2,219
Hard hardwoods	6,003,781	761,999	5,254,848	-13,066

SAWLOG PORTION OF NET ANNUAL GROWTH IN TONS				
Species Group	Total	Ownership group		
		Public	Private	Not available
Total	21,287,898	2,019,703	19,239,965	28,230
Pines	14,651,531	1,107,602	13,511,612	32,317
Other softwoods	504,414	84,354	420,060	0
Soft hardwoods	1,887,262	249,770	1,636,833	659
Hard hardwoods	4,244,692	577,978	3,671,460	-4,745

PULPWOOD and TOPWOOD PORTION OF NET ANNUAL GROWTH IN TONS				
Species Group	Total	Ownership group		
		Public	Private	Not available
Total	8,838,596	258,230	8,589,300	-8,934
Pines	5,755,762	14,938	5,743,052	-2,227
Other softwoods	74,613	3,118	71,442	53
Soft hardwoods	1,249,131	56,154	1,191,417	1,560
Hard hardwoods	1,759,089	184,021	1,583,389	-8,321

Table 10. Annual removals of merchantable bole biomass, saw log portion, and pulpwood/top wood portion in green tons by major species group and major ownership group within 100 miles of Pine Bluff, Arkansas.

MERCHANTABLE BOLE BIOMASS ANNUAL REMOVALS IN TONS

Species Group	Total	Ownership group		
		Public	Private	Not available
Total	18,085,327	631,233	16,799,731	654,363
Pines	13,044,478	153,765	12,570,927	319,786
Other softwoods	52,421	465	5,865	46,091
Soft hardwoods	1,478,652	336,345	1,072,922	69,386
Hard hardwoods	3,509,776	140,657	3,150,018	219,101

SAWLOG PORTION OF ANNUAL REMOVALS IN TONS

Species Group	Total	Ownership group		
		Public	Private	Not available
Total	12,168,789	394,905	11,290,165	483,719
Pines	9,283,708	117,094	8,882,303	284,311
Other softwoods	43,627	0	1,367	42,261
Soft hardwoods	603,527	182,452	390,710	30,365
Hard hardwoods	2,237,928	95,360	2,015,786	126,782

PULPWOOD and TOPWOOD PORTION OF ANNUAL REMOVALS IN TONS

Species Group	Total	Ownership group		
		Public	Private	Not available
Total	5,916,538	236,327	5,509,566	170,645
Pines	3,760,770	36,671	3,688,624	35,475
Other softwoods	8,794	465	4,498	3,830
Soft hardwoods	875,126	153,893	682,212	39,021
Hard hardwoods	1,271,849	45,298	1,134,232	92,319

Table 11. Annual surplus of merchantable bole biomass, saw log portion, and pulpwood/top wood portion in green tons by major species group and major ownership group within 100 miles of Pine Bluff, Arkansas.

MERCHANTABLE BOLE BIOMASS ANNUAL NET SURPLUS IN TONS

Species Group	Total	Ownership group		
		Public	Private	Not available
Total	12,041,167	1,646,701	11,029,533	-635,067
Pines	7,362,816	968,775	6,683,736	-289,696
Other softwoods	526,606	87,006	485,638	-46,038
Soft hardwoods	1,657,740	-30,421	1,755,329	-67,167
Hard hardwoods	2,494,005	621,341	2,104,831	-232,167

SAWLOG PORTION OF ANNUAL NET SURPLUS IN TONS

Species Group	Total	Ownership group		
		Public	Private	Not available
Total	9,119,109	1,624,798	7,949,800	-455,488
Pines	5,367,823	990,508	4,629,309	-251,994
Other softwoods	460,786	84,354	418,693	-42,261
Soft hardwoods	1,283,735	67,318	1,246,123	-29,706
Hard hardwoods	2,006,764	482,618	1,655,674	-131,528

PULPWOOD and TOPWOOD PORTION OF ANNUAL NET SURPLUS IN TONS

Species Group	Total	Ownership group		
		Public	Private	Not available
Total	2,922,057	21,903	3,079,733	-179,579
Pines	1,994,992	-21,733	2,054,427	-37,702
Other softwoods	65,820	2,652	66,944	-3,777
Soft hardwoods	374,005	-97,739	509,206	-37,461
Hard hardwoods	487,240	138,723	449,156	-100,639

Table 12. Hardwood saw timber growing stock and sustainable harvest increase in green tons of saw log portion of growing stock on timberland within 70 miles of Pine Bluff, Arkansas.

Species group	Growing Stock Volume in green short tons						Annual Sustainable Harvest Increase in green tons
	Total	Grade 1	Grade 2	Grade 3	Gradeable log but does not meet grade 3 standards	Graded but does not contain gradeable log	
Total	204,247,661	31,818,730	36,564,207	97,617,230	30,185,932	8,061,561	5,023,747
Select white oaks	30,531,311	4,994,239	5,479,601	14,500,518	4,656,958	899,995	435,935
Select red oaks	26,609,040	7,345,332	7,305,182	7,960,849	3,576,918	420,759	448,394
Other white oaks	22,086,328	2,302,630	4,070,839	11,163,344	4,205,617	343,898	424,784
Other red oaks	54,256,095	6,302,628	8,817,240	26,632,831	10,213,845	2,289,551	880,563
Hickory	16,310,025	1,672,276	2,810,165	9,300,045	2,374,686	152,853	404,766
Hard maple	140,047	0	0	70,718	69,328	0	4,668
Soft maple	2,120,836	156,651	66,509	1,216,414	464,228	217,035	79,387
Beech	1,530,526	0	333,093	964,850	163,912	68,672	51,018
Sweetgum	27,506,260	3,476,438	5,159,741	13,876,700	3,066,261	1,927,119	989,117
Tupelo and blackgum	9,961,423	1,581,188	1,779,621	5,487,942	704,023	408,650	268,110
Ash	7,493,398	1,581,796	577,237	4,284,666	658,940	390,758	215,908
Cottonwood and aspen	5,000,971	2,019,377	0	2,039,323	0	942,271	222,265
Basswood	194,654	112,152	82,502	0	0	0	8,651
Yellow-poplar	395,674	274,023	82,479	39,172	0	0	17,586
Black walnut	111,074	0	0	79,858	31,216	0	3,702
Other eastern soft hardwoods	15,515,619	813,129	1,204,777	9,457,236	2,809,483	1,230,994	524,004
Other eastern hard hardwoods	1,333,731	0	150,189	838,187	308,427	36,928	44,458
Other	9,693	0	0	9,693	0	0	431

GLOSSARY OF TERMS

Average annual net growth of growing stock: The annual change in volume of sound wood in live sawtimber and poletimber trees, and the total volume of trees entering these classes through ingrowth, less volume losses resulting from natural causes, over the last 5 years of inventory. Annual net growth is annual gross growth – annual mortality.

Average annual removals from growing stock: The average net growing-stock volume in growing-stock trees removed annually for roundwood forest products and the volume of removals for other purposes (i.e. land conversion).

Annual net surplus: The difference between average annual net growth and average annual net removals.

Forest type: A classification of forestland based upon and named for the tree species that forms the plurality of live-tree stocking. A forest type classification for a field location indicates the predominant live-tree species cover for the field location; hardwoods and softwoods are the first group to be determine predominant group, and Forest Type is selected from the predominant group.

Forest type group: A combination of forest types that share closely associated species or site requirements.

Growing stock tree: All live trees 5.0 inches (12.7) cm DBH or larger that meet (now or prospectively) regional merchantability requirements in terms of saw-log length, grade, and cull deductions. Excludes rough and rotten cull trees.

Log grade: A log classification based on external characteristics as indicators of quality or value. Also see Tree grade. (See USDA, 2003 on tree grading field techniques.)

Merchantable: Refers to a pulpwood or sawlog section that meets pulpwood or sawlog specifications, respectively.

Net annual growth: The average annual net increase in the volume of trees during the period between inventories. Components include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the minimum size class during the year, minus the volume of trees that died during the year, and minus the net volume of trees that became cull trees during the year.

Net volume in cubic feet: The gross volume in cubic feet less deductions for rot, roughness, and poor form. Volume is computed for the central stem from a 1-foot stump to a minimum 4.0-inch top diameter outside bark, or to the point where the central stem breaks into limbs.

Nonstocked: Forestland stocked with less than 10 percent of full stocking with all live trees. Examples are recently cutover areas or recently reverted agricultural fields.

Other red oaks: A group of species in the genus *Quercus* that includes scarlet oak, northern pin oak, southern red oak, bear oak, shingle oak, laurel oak, blackjack oak, water oak, pin oak, willow oak, and black oak.

Other white oaks: A group of species in the genus *Quercus* that includes overcup oak, chestnut oak, and post oak.

Pulpwood: Roundwood, whole-tree chips, or wood residues used for the production of wood pulp.

Saw log: A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet long, sound and straight, and with a minimum diameter inside bark of 6 inches for softwoods and 8 inches for hardwoods, or meeting other combinations of size and defect specified by regional standards.

Sawtimber tree: A live tree of commercial species containing at least a 12-foot sawlog or two noncontiguous saw logs 8 feet or longer, and meeting regional specifications for freedom from defect. Softwoods must be at least 9.0 inches d.b.h. Hardwoods must be at least 11.0 inches diameter outside bark (d.o.b.).

Select red oaks: A group of species in the genus *Quercus* that includes cherrybark oak, northern red oak, and Shumard oak.

Select white oaks: A group of species in the genus *Quercus* that includes white oak, swamp white oak, bur oak, swamp chestnut oak, and chinkapin oak.

Timberland: Forestland that is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. (Note: Areas qualifying as timberland are capable of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included.)

Tons: Tons expressed in this report are short tons (2000 pounds) and are expressed in green weight. Tons in this report are calculated from net volume in cubic feet, which excludes bark.

Topwood: Merchantable pulpwood that is found above the sawlog portion of sawtimber trees.

Adapted from Forest Inventory and Analysis Glossary of Terms. Last accessed July 3, 2021.

<https://www.nrs.fs.fed.us/fia/data-tools/state-reports/glossary/>



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