

Lumber Production and Mill Stocks

1999

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(Formerly Series No. MA24T)

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

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These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: www.stat-usa.gov/.

Note: Data are now published on the new North American Industry Classification System (NAICS)

basis and therefore are not always comparable to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see www.census.gov/epcd/www/naics.html.

Summary of Findings

Production of lumber in the United States amounted to 49.6 billion board feet in 1999, which is 4.9 percent above the 47.3 billion board feet in 1998. Eastern lumber production was 30.7 billion board feet in 1999, 3.2 percent above the 1998 level of 29.7 billion board feet. Southern yellow pine production amounted to 16.3 billion board feet in 1999, which is 4.6 percent above the 1998 production level. Production of eastern hardwoods, 11.0 billion board feet in 1999, was 0.8 percent above the 1998 level. Western lumber production was 18.9 billion board feet in 1999, an increase of 7.9 percent from the 1998 production level of 17.5 billion board feet. Production of western softwoods increased by 7.7 percent to 18.5 billion board feet from 1998 to 1999. Total western hardwood production increased by 13.3 percent.

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Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Jim Jamski, 301-457-1603.

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U S C E N S U S B U R E A U

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Table 1. Lumber Production: 1993 to 1999
 [Millions of board feet, lumber tally]

Year	Total	Softwoods			
		Total	Southern yellow pine	Other	Hard- woods
1999.....	49,595	38,088	16,269	21,819	11,507
1998.....	47,263	35,896	15,557	20,339	11,367
1997.....	46,560	35,457	15,408	20,049	11,103
1996.....	44,755	34,065	15,060	19,005	10,690
1995.....	43,971	33,043	14,700	18,343	10,928
1994.....	46,466	35,556	15,221	20,335	10,910
1993.....	45,356	34,725	14,698	20,027	10,631

Table 2. Lumber Mill Stock: 1993 to 1999
 [Millions of board feet, lumber tally]

End-of-year	Total mill stocks	Softwoods	Hard- woods
1999.....	4,545	3,209	1,336
1998.....	4,290	2,986	1,304
1997.....	4,333	3,114	1,219
1996.....	4,247	2,964	1,283
1995.....	4,633	3,297	1,336
1994.....	4,600	3,302	1,298
1993.....	4,420	3,069	1,351

Table 3. Lumber Production of Softwoods and Hardwoods by State: 1999 and 1998
 [Millions of board feet, lumber tally]

State	Total		Softwoods		Hardwoods	
	1999	1998	1999	1998	1999	1998
United States.....	49,595	47,263	38,088	35,896	11,507	11,367
Eastern United States.....	30,682	29,727	19,636	18,767	11,046	10,960
Alabama.....	2,611	2,557	2,238	2,184	373	373
Arkansas.....	2,571	2,426	2,079	1,960	492	466
Connecticut.....	52	50	6	6	46	44
Delaware.....	14	14	(Z)	(Z)	14	14
Florida.....	812	776	800	764	12	12
Georgia.....	3,264	3,204	2,899	2,838	365	366
Illinois.....	78	87	-	-	78	87
Indiana.....	413	393	1	(Z)	412	393
Iowa.....	81	77	(Z)	(Z)	81	77
Kansas.....	12	12	-	-	12	12
Kentucky.....	747	764	6	4	741	760
Louisiana.....	1,302	1,325	1,104	1,107	198	218
Maine.....	1,219	1,174	1,057	1,012	162	162
Maryland.....	278	271	96	94	182	r/ 177
Massachusetts.....	(D)	(D)	(D)	(D)	(D)	(D)
Michigan.....	757	r/ 721	227	r/ 194	530	527
Minnesota.....	313	312	186	181	127	131
Mississippi.....	2,980	2,799	2,494	2,299	486	500
Missouri.....	586	580	26	26	560	554
Nebraska.....	28	25	2	2	26	23
New Hampshire.....	378	320	324	274	54	r/ 46
New Jersey.....	8	8	1	1	7	7
New York.....	574	566	100	103	474	463
North Carolina.....	2,547	2,410	1,823	1,708	724	r/ 702
North Dakota.....	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Ohio.....	387	400	2	3	385	397
Oklahoma.....	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania.....	1,126	1,143	39	38	1,087	1,105
Rhode Island.....	10	r/ 10	3	3	7	r/ 7
South Carolina.....	1,488	1,469	1,371	1,342	117	127
Tennessee.....	868	849	46	41	822	808
Texas.....	1,551	1,413	1,385	1,249	166	r/ 164
Vermont.....	245	254	122	138	123	116
Virginia.....	1,443	1,440	674	678	769	762
West Virginia.....	792	743	3	4	789	739
Wisconsin.....	685	696	133	144	552	552
Western United States.....	18,913	17,536	18,452	17,129	461	407
Alaska.....	(D)	(D)	(D)	(D)	-	-
Arizona.....	98	r/ 87	98	r/ 87	-	-
California.....	3,361	3,176	(D)	(D)	(D)	(D)
Colorado.....	114	114	114	114	(Z)	(Z)
Hawaii.....	(Z)	(Z)	-	-	(Z)	(Z)
Idaho.....	1,985	1,924	1,985	1,924	-	-
Montana.....	1,458	1,361	1,458	1,361	-	-
Nevada.....	(Z)	(Z)	(Z)	(Z)	-	-
New Mexico.....	124	102	124	102	-	-
Oregon.....	6,449	5,824	6,314	5,705	135	119
South Dakota.....	(D)	(D)	(D)	(D)	(D)	(D)
Utah.....	48	r/ 48	(D)	(D)	(D)	(D)
Washington.....	4,812	4,450	4,487	4,163	325	287
Wyoming.....	228	227	228	227	(Z)	(Z)

- Represents zero. D Withheld to avoid disclosing data for individual companies.
 r/Revised by 5 percent or more from previously published data. Z Represents less than
 500,000 board feet.

Table 4. Lumber Production by Species: 1995 to 1999
 [Millions of board feet, lumber tally]

Product description	1999	1998	1997	1996	1995
United States.....	49,595	47,263	46,560	44,755	43,971
Eastern United States.....	30,682	29,727	29,105	28,153	27,984
Eastern softwoods.....	19,636	18,767	18,470	17,912	17,497
Pine, southern yellow.....	16,269	15,557	15,408	15,060	14,700
Pine, eastern white.....	634	600	556	467	464
Pine, other 1/.....	296	292	283	244	250
Spruce and fir 2/.....	653	637	617	615	585
Other eastern softwoods 3/.....	270	r/ 218	150	151	148
Eastern softwoods, n.s.k.	1,514	1,463	1,456	1,375	1,350
Eastern hardwoods.....	11,046	10,960	10,635	10,241	10,487
Ash.....	201	199	193	200	208
Beech.....	71	68	69	61	70
Birch.....	82	77	70	64	68
Cherry.....	223	208	195	186	184
Cottonwood.....	95	72	74	84	95
Aspen.....	126	128	142	131	137
Gum.....	201	204	195	187	217
Hickory and pecan.....	115	111	95	99	98
Maple, hard.....	471	450	437	376	383
Maple, soft.....	300	282	256	223	231
Oak, red.....	2,125	2,055	1,983	1,974	1,945
Oak, white.....	950	970	929	877	933
Walnut, black.....	33	26	25	27	34
Yellow-poplar.....	984	971	946	869	871
Other eastern hardwoods 4/.....	235	259	279	303	330
Mixed hardwoods 5/.....	1,249	r/ 1,289	1,195	1,193	1,248
Eastern hardwoods, n.s.k.	3,585	3,591	3,552	3,387	3,435
Western United States.....	18,913	17,536	17,455	16,602	15,987
Western softwoods.....	18,452	17,129	16,987	16,153	15,546
Cedar, western red.....	630	593	654	652	619
Cedar, other 6/.....	195	185	209	186	186
Fir, Douglas.....	8,100	7,406	7,082	6,792	6,386
Fir, hem-fir, white, and other.....	3,983	3,622	3,521	3,151	2,801
Pine, ponderosa.....	2,107	2,064	2,266	2,320	2,395
Pine, western white.....	30	31	40	40	49
Pine, lodgepole.....	673	707	671	635	599
Pine, sugar.....	164	139	173	161	131
Redwood.....	746	701	735	686	762
Spruce 7/.....	430	r/ 387	321	331	307
Other western softwoods 8/.....	890	826	852	759	885
Western softwoods, n.s.k.	504	468	463	440	426
Western hardwoods 9/.....	461	407	468	449	441

n.s.k. Not specified by kind. r/Revised by 5 percent or more from previously published data.

1/Includes jack pine and red (Norway) pine.

2/Includes balsam fir and eastern spruce.

3/Includes eastern red cedar, northern white cedar, southern white cedar, cypress, eastern hemlock, tamarack, and mixed softwoods.

4/Includes basswood, boxwood, butternut, elm, hackberry, and sycamore.

5/Mixed hardwoods includes mixed, ungraded hardwoods sawn for ties, timbers, blocking, cants, and pallet stock.

6/Includes Alaska cedar, incense cedar, and Port Orford cedar.

7/Includes Sitka and western/Engelmann spruce.

8/Includes western hemlock, western larch, and mixed softwoods.

9/Includes alder, aspen, birch, cottonwood, maple, oak, mixed hardwoods, and western hardwoods not specified.

Table 5. Lumber Production of Softwoods and Hardwoods by Lumber Industry Region: 1999 and 1998
[Millions of board feet, lumber tally]

Lumber industry region	Total		Softwoods		Hardwoods	
	1999	1998	1999	1998	1999	1998
United States.....	49,595	47,263	38,088	35,896	11,507	11,367
Eastern lumber regions.....	30,682	29,727	19,636	18,767	11,046	10,960
Southern pine.....	16,269	15,557	16,269	15,557	-	-
Southern hardwood.....	4,760	4,761	-	-	4,760	4,761
Appalachian.....	(D)	(D)	(D)	(D)	(D)	(D)
Northern hemlock and hardwood.....	1,442	1,417	360 r/	338	1,082	1,079
Northeastern.....	(D)	(D)	(D)	(D)	(D)	(D)
Other.....	2,297	2,254	1,169	1,127	1,128	1,127
Western lumber regions.....	18,913	17,536	18,452	17,129	461	407
Douglas fir.....	8,869	8,115	8,408	7,708	461	407
Western pine.....	(D)	(D)	(D)	(D)	(Z)	(Z)
California redwood.....	(D)	(D)	(D)	(D)	(Z)	(Z)
Alaska and Hawaii.....	(D)	(D)	(D)	(D)	(Z)	(Z)

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data. Z Represents less than 500,000 board feet.

Note:

Lumber industry regions:

Eastern lumber regions:

Southern pine: Southern yellow pine.

Southern hardwood: All hardwoods in Alabama, Arkansas, Delaware, Florida, Louisiana, Mississippi, Missouri, Oklahoma, and Texas; and the lowland counties of Georgia, Kentucky, Maryland, North Carolina, South Carolina, Tennessee, and Virginia.

Appalachian: All hardwoods and softwoods, except southern yellow pine, in West Virginia and the Appalachian range counties of Georgia, Kentucky, Maryland, North Carolina, South Carolina, Tennessee, and Virginia.

Northern hemlock and hardwood: All hardwoods and softwoods, except southern yellow pine, in Michigan and Wisconsin.

Northeastern: All hardwoods and softwoods, except southern yellow pine, in Connecticut, Maine, Massachusetts, New Hampshire, New York, Pennsylvania, Rhode Island and Vermont.

Other: All hardwoods and softwoods, except southern yellow pine, in Illinois, Indiana, Iowa, Kansas, Minnesota, Nebraska, New Jersey, North Dakota, and Ohio; all softwoods, except southern yellow pine, in the lowland counties of Georgia, Kentucky, Maryland, North Carolina, South Carolina, Tennessee, and Virginia; and all softwoods, except southern yellow pine, in Alabama, Arkansas, Delaware, Florida, Louisiana, Mississippi, Missouri, Oklahoma, and Texas.

Western lumber regions:

Douglas fir: All softwoods and hardwoods in Oregon and Washington west of the Cascades, and in Jackson and Josephine counties in Oregon.

Western pine: All softwoods and hardwoods in Oregon and Washington east of the Cascades, except in Jackson and Josephine counties in Oregon; in California, except in the California redwood counties; and in Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, South Dakota, Utah, and Wyoming.

California redwood: All softwoods and hardwoods in the following fifteen counties of California: Alameda, Contra Costa, Del Norte, Humboldt, Marin, Mendocino, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano, and Sonoma.

Alaska and Hawaii: All softwoods and hardwoods in Alaska and Hawaii.

Table 6. Lumber Production, Exports, Imports, and Apparent Consumption by Species: 1999 and 1998
 [Thousands of cubic meters]

Product code	Product description	Production 1/	Exports of domestic merchandise 2/	Percent exports to production	Imports for consumption 2/	Apparent consumption 3/	Percent imports to apparent consumption
1999							
	United States.....	117,030	6,016	5.1	46,302	157,316	29.4
	Softwoods 4/.....	89,878	3,224	3.6	44,807	131,461	34.1
	Pine.....	47,603	1,357	2.9	2,009	48,255	4.2
3211133933	Lodgepole pine.....	1,588	14	0.9	153	1,727	8.9
3211133929	Ponderosa pine	4,972	159	3.2	124	4,937	2.5
3211133911	Other pine, including						
3211133913	southern yellow						
3211133915	and eastern white						
3211133931	pine.....	41,043	1,184	2.9	1,732	41,591	4.2
3211133935							
3211133925	Douglas fir.....	19,114	587	3.1	1,005	19,532	5.1
3211133921	Western red cedar.....	1,487	72	4.8	1,291	2,706	47.7
3211133917	Other softwoods,						
3211133919	including hemlock,						
3211133923	spruce, fir (other						
3211133927	than Douglas fir),						
3211133937	cedar (other than						
3211133939	western red cedar),						
3211133941	and mixed softwoods.....	16,912	1,208	7.1	40,502	56,206	72.1
3211133943							
32111339XX	Softwoods, n.s.k.	4,762	(X)	(X)	(X)	4,762	(X)
	Hardwoods 4/.....	27,152	2,792	10.3	1,495	25,855	5.8
3211131951	Ash.....	474	162	34.2	10	322	3.1
3211131953	Beech.....	168	21	12.5	6	153	3.9
3211131955	Birch.....	193	28	14.5	94	259	36.3
3211131957	Cherry.....	526	165	31.4	15	376	4.0
3211131965	Hickory and pecan.....	271	17	6.3	3	257	1.2
3211131967	Maple.....	1,819	386	21.2	236	1,669	14.1
3211131969							
3211131971	Red oak.....	5,014	605	12.1	21	4,430	0.5
3211131973	White oak.....	2,242	591	26.4	8	1,659	0.5
3211131975	Black walnut.....	78	28	35.9	3	53	5.7
3211131977	Yellow-poplar.....	2,322	203	8.7	5	2,124	0.2
3211131959	Other hardwoods,						
3211131961	including cottonwood,						
3211131963	aspens, gum, and						
3211131979	mixed hardwoods.....	5,536	586	10.6	1,094	6,044	18.1
3211131981							
3211131983							
32111319XX	Hardwoods, n.s.k.	8,509	(X)	(X)	(X)	8,509	(X)
1998							
	United States.....	111,527	5,387	4.8	44,997	151,137	29.8
	Softwoods 4/.....	84,704	2,886	3.4	43,703	125,521	34.8
	Pine.....	45,754	1,150	2.5	1,588	46,192	3.4
3211133933	Lodgepole pine.....	1,668	40	2.4	137	1,765	7.8
3211133929	Ponderosa pine	4,870	97	2.0	130	4,903	2.7
3211133911	Other pine, including						
3211133913	southern yellow						
3211133915	and eastern white						
3211133931	pine.....	39,216	1,013	2.6	1,321	39,524	3.3
3211133935							

Table 6. Lumber Production, Exports, Imports, and Apparent Consumption by Species: 1999 and 1998
 [Thousands of cubic meters]

Product code	Product description	Production 1/	Exports of domestic merchandise 2/	Percent exports to production	Imports for consumption 2/	Apparent consumption 3/	Percent imports to apparent consumption
3211133925	Douglas fir.....	17,476	594	3.4	984	17,866	5.5
3211133921	Western red cedar.....	1,399	55	3.9	1,098	2,442	45.0
3211133917	Other softwoods,						
3211133919	including hemlock,						
3211133923	spruce, fir (other						
3211133927	than Douglas fir),						
3211133937	cedar (other than						
3211133939	western red cedar),						
3211133941	and mixed softwoods.....	15,518	1,087	7.0	40,033	54,464	73.5
3211133943							
32111339XX	Softwoods, n.s.k.	4,557	(X)	(X)	(X)	4,557	(X)
	Hardwoods 4/.....	26,823	2,501	9.3	1,294	25,616	5.1
3211131951	Ash.....	470	133	28.3	8	345	2.3
3211131953	Beech.....	160	33	20.6	4	131	3.1
3211131955	Birch.....	182	24	13.2	74	232	31.9
3211131957	Cherry.....	491	136	27.7	8	363	2.2
3211131965	Hickory and pecan.....	262	16	6.1	2	248	0.8
3211131967	Maple.....	1,727	329	19.1	191	1,589	12.0
3211131969							
3211131971	Red oak.....	4,849	559	11.5	18	4,308	0.4
3211131973	White oak.....	2,289	565	24.7	9	1,733	0.5
3211131975	Black walnut.....	61	22	36.1	1	40	2.5
3211131977	Yellow-poplar.....	2,291	169	7.4	1	2,123	-
3211131959	Other hardwoods,						
3211131961	including cottonwood,						
3211131963	aspen, gum, and						
3211131979	mixed hardwoods.....	5,527	515	9.3	978	5,990	16.3
3211131981							
3211131983							
32111319XX	Hardwoods, n.s.k.	8,514	(X)	(X)	(X)	8,514	(X)

- Represents zero. n.s.k. Not specified by kind. X Not applicable.

1/The import and export data were collected in cubic meters. A conversion factor of 2.35973725 thousands of cubic meters per 1 million of board feet was used to convert production from millions of board feet to thousands of cubic meters.

2/Import and export data for 1999 and 1998 do not include cross-ties.

3/Apparent consumption is equal to production plus imports minus exports.

4/The totals for softwoods and hardwoods include the n.s.k. production data.

Note: For a comparison of NAICS-based product codes with Schedule B export codes and HTSUSA import codes, see Table 7.

Table 7. Comparison of NAICS-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 1999

Product code	Product description	Export code	Import code
3211133933	Lodgepole pine.....	4407.10.0044 4407.10.0045	4407.10.0044 4407.10.0045
3211133929	Ponderosa pine.....	4407.10.0048 4407.10.0049	4407.10.0048 4407.10.0049
3211133911	Other pine, including southern yellow and eastern white pine.....	4407.10.0042	4407.10.0042
3211133913		4407.10.0043	4407.10.0043
3211133915		4407.10.0046	4407.10.0046
3211133931		4407.10.0047	4407.10.0047
3211133935		4407.10.0052 4407.10.0053	4407.10.0052 4407.10.0053
3211133925	Douglas fir.....	4407.10.0054 4407.10.0055 4407.10.0056 4407.10.0057	4407.10.0054 4407.10.0055 4407.10.0056 4407.10.0057
3211133921	Western red cedar.....	4407.10.0068 4407.10.0069	4407.10.0068 4407.10.0069
3211133917	Other softwoods, including hemlock, spruce, fir (other than Douglas fir), cedar (other than western red cedar), and mixed softwoods.....	4407.10.0001	4407.10.0001
3211133919		4407.10.0002	4407.10.0002
3211133923		4407.10.0015	4407.10.0015
3211133927		4407.10.0016	4407.10.0016
3211133937		4407.10.0017	4407.10.0017
3211133939		4407.10.0018	4407.10.0018
3211133941		4407.10.0019	4407.10.0019
3211133943		4407.10.0020	4407.10.0020
		4407.10.0058	4407.10.0058
		4407.10.0059	4407.10.0059
		4407.10.0064	4407.10.0064
		4407.10.0065	4407.10.0065
		4407.10.0066	4407.10.0066
		4407.10.0067	4407.10.0067
		4407.10.0074	4407.10.0074
	4407.10.0075	4407.10.0075	
	4407.10.0076	4407.10.0076	
	4407.10.0077	4407.10.0077	
	4407.10.0082	4407.10.0082	
	4407.10.0083	4407.10.0083	
	4407.10.0092	4407.10.0092	
	4407.10.0093	4407.10.0093	

Table 7. Comparison of NAICS-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 1999

Product code	Product description	Export code	Import code
3211131951	Ash.....	4407.99.0065 4407.99.0066	4407.99.0065 4407.99.0066
3211131953	Beech.....	4407.92.0020 4407.92.0040	4407.92.0020 4407.92.0040
3211131955	Birch.....	4407.99.0050 4407.99.0051	4407.99.0050 4407.99.0051
3211131957	Cherry.....	4407.99.0040 4407.99.0041	4407.99.0040 4407.99.0041
3211131965	Hickory and pecan.....	4407.99.0070 4407.99.0071	4407.99.0070 4407.99.0071
3211131967 3211131969	Maple.....	4407.99.0020 4407.99.0021 4407.99.0025	4407.99.0020 4407.99.0021 4407.99.0025
3211131971	Red oak.....	4407.91.0020 4407.91.0021	4407.91.0020 4407.91.0021
3211131973	White oak.....	4407.91.0060 4407.91.0061	4407.91.0060 4407.91.0061
3211131975	Black walnut.....	4407.99.0075 4407.99.0076	4407.99.0075 4407.99.0076
3211131977	Yellow-poplar.....	4407.99.0045 4407.99.0046	4407.99.0045 4407.99.0046
3211131959 3211131961 3211131963 3211131979 3211131981 3211131983	Other hardwoods, including cotton-wood, aspen, and gum.....	4407.24.0000 4407.25.0000 4407.26.0000 4407.29.0000	 4407.24.0005 4407.24.0010 4407.24.0025 4407.24.0030 4407.24.0090 4407.24.0095 4407.25.0000 4407.26.0000 4407.29.0005 4407.29.0010 4407.29.0025 4407.29.0030

Table 7. Comparison of NAICS-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 1999

Product code	Product description	Export code	Import code
			4407.29.0090
			4407.29.0095
		4407.99.0030	4407.99.0030
		4407.99.0031	4407.99.0031
			4407.99.0047
			4407.99.0048
		4407.99.0090	
			4407.99.0091
		4407.99.0095	
			4407.99.0096

Sources: 1999 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States; Harmonized Tarriff Schedule of the United States, Annotated (1999).