

Lumber Production and Mill Stocks

1998

Issued November 1999

MA321T(98)-1

(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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Summary of Findings

Production of lumber in the United States amounted to 46.6 billion board feet in 1998, which is unchanged from the 1997 level. Eastern lumber production was 29.3 billion board feet in 1998, 0.7 percent above the 1997 level of 29.1 billion board feet. Southern yellow pine production amounted to 15.4 billion board feet in 1998, which is 0.1 percent below the 1997 production level. Production of eastern hardwood, 10.8 billion board feet in 1998, was 1.5 percent above the 1997 level of 10.6 billion board feet. Western lumber production was 17.2 billion board feet in 1998, a decrease of 1.2 percent from the 1997 production level of 17.5 billion board feet. Production of western softwoods decreased by 0.9 percent to 16.8 billion board feet from 1997 to 1998. Total western hardwood production decreased by 12.8 percent.

Current
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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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Table 1. Lumber Production: 1993 to 1998
[Millions of board feet, lumber talley]

Year	Total	Total	Softwoods		
			Southern yellow pine	Other	Total hard- woods
1998.....	46,560	35,358	15,389	19,969	11,202
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 1998
[Millions of board feet, lumber talley]

End-of-year	Total mill stocks	Softwood	Hardwood
1998.....	4,237	2,948	1,289
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. Production of Softwoods and Hardwoods by State: 1998 and 1997
[Millions of board feet, lumber tally]

State	Total		Softwoods		Hardwoods	
	1998	1997	1998	1997	1998	1997
United States.....	46,560	46,560	35,358	35,457	11,202	11,103
Eastern United States.....	29,315	29,105	18,521	18,470	10,794	10,635
Alabama.....	2,490	2,437	2,123	2,074	367	363
Arkansas.....	2,423	2,363	1,960	1,930	463	433
Connecticut.....	50	48	6	6	44	42
Delaware.....	14	15	(Z)	(Z)	14	15
Florida.....	782	803	770	790	12	13
Georgia.....	3,165	3,179	2,798	2,794	367	385
Illinois.....	86	93	-	-	86	93
Indiana.....	380	368	(Z)	(Z)	380	368
Iowa.....	76	77	(Z)	(Z)	76	77
Kansas.....	12	10	-	-	12	10
Kentucky.....	777	723	4	r/ 7	773	716
Louisiana.....	1,305	1,265	1,087	1,068	218	197
Maine.....	1,155	1,105	993	955	162	150
Maryland.....	262	250	94	87	168	163
Massachusetts.....	(D)	(D)	(D)	(D)	(D)	(D)
Michigan.....	683	671	141	147	542	524
Minnesota.....	306	338	179	170	127	168
Mississippi.....	2,759	2,798	2,265	2,306	494	492
Missouri.....	578	580	27	27	551	553
Nebraska.....	25	25	2	2	23	23
New Hampshire.....	314	298	273	262	41	r/ 36
New Jersey.....	8	8	1	1	7	7
New York.....	567	564	103	99	464	465
North Carolina.....	2,383	2,416	1,721	1,751	662	665
North Dakota.....	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)
Ohio.....	382	401	3	3	379	398
Oklahoma.....	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania.....	1,138	1,077	38	39	1,100	1,038
Rhode Island.....	11	11	3	3	8	8
South Carolina.....	1,468	1,467	1,341	1,344	127	r/ 123
Tennessee.....	816	r/ 836	41	r/ 39	775	797
Texas.....	1,392	r/ 1,447	1,241	r/ 1,292	151	155
Vermont.....	255	278	139	163	116	115
Virginia.....	1,380	1,329	648	611	732	718
West Virginia.....	737	696	4	3	733	693
Wisconsin.....	698	681	145	r/ 120	553	561
Western United States.....	17,245	17,455	16,837	16,987	408	468
Alaska.....	(D)	(D)	(D)	(D)	-	-
Arizona.....	98	110	98	110	-	-
California.....	3,137	3,513	(D)	(D)	(D)	(D)
Colorado.....	114	114	114	114	(Z)	(Z)
Hawaii.....	(Z)	(Z)	-	-	(Z)	(Z)
Idaho.....	1,877	r/ 1,845	1,877	r/ 1,845	-	-
Montana.....	1,348	1,309	1,348	1,309	-	-
Nevada.....	(Z)	(Z)	(Z)	(Z)	-	-
New Mexico.....	103	r/ 110	103	r/ 110	-	-
Oregon.....	5,639	5,715	5,519	5,593	120	122
South Dakota.....	(D)	(D)	(D)	(D)	(D)	(D)
Utah.....	27	27	(D)	(D)	(D)	(D)
Washington.....	4,452	4,271	4,165	3,926	287	345
Wyoming.....	232	226	232	226	(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: 1994 to 1998
[Millions of board feet, lumber tally]

Product description	1998	1997	1996	1995	1994
United States.....	46,560	46,560	44,755	43,971	46,466
Eastern United States.....	29,315	29,105	28,153	27,984	28,486
Eastern softwoods.....	18,521	18,470	17,912	17,497	18,021
Pine, southern yellow.....	15,389	15,408	15,060	14,700	15,221
Pine, eastern white.....	591	r/ 556	467	464	464
Pine, other 1/.....	291	283	244	250	226
Spruce or fir 2/.....	637	617	615	585	586
Other eastern softwoods 3/.....	149	150	151	148	159
Eastern softwoods, n.s.k.....	1,464	1,456	1,375	1,350	1,365
Eastern hardwoods.....	10,794	10,635	10,241	10,487	10,465
Ash.....	197	193	200	208	192
Beech.....	68	69	61	70	72
Birch.....	77	70	64	68	70
Cherry.....	208	195	186	184	170
Cottonwood.....	72	74	84	95	100
Aspen.....	129	142	131	137	162
Gum, black, tupelo, and sweet.....	199	195	187	217	243
Hickory and pecan.....	107	95	99	98	103
Hard maple.....	452	437	376	383	349
Soft maple.....	283	256	223	231	233
Oak, red.....	2,022	1,983	1,974	1,945	1,914
Oak, white.....	943	929	877	933	884
Black walnut.....	26	25	27	34	33
Yellow-poplar.....	953	946	869	871	858
Other eastern hardwoods 4/.....	256	r/ 279	303	330	336
Mixed hardwoods 5/.....	1,210	1,195	1,193	1,248	1,376
Eastern hardwoods, n.s.k.....	3,592	3,552	3,387	3,435	3,370
Western United States.....	17,245	17,455	16,602	15,987	17,980
Western softwoods.....	16,837	16,987	16,153	15,546	17,535
Cedar, western red.....	591	654	652	619	673
Cedar, other 6/.....	185	209	186	186	178
Douglas fir.....	7,241	7,082	6,792	6,386	6,959
Fir, hem-fir, white, and other.....	3,499	3,521	3,151	2,801	3,382
Pine, ponderosa.....	2,074	r/ 2,266	2,320	2,395	2,819
Pine, western white.....	31	40	40	49	68
Pine, lodgepole.....	706	671	635	599	814
Pine, sugar.....	139	173	161	131	166
Redwood.....	688	735	686	762	808
Spruce 7/.....	348	321	331	307	355
Other western softwoods 8/.....	865	852	759	885	853
Western softwoods, n.s.k.....	470	463	440	426	460
Western hardwoods 9/.....	408	468	449	441	445

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 woods.

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 woods.

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

Table 5. Production of Softwoods and Hardwoods by Lumber Industry Region: 1998 and 1997
[Millions of board feet, lumber tally]

Lumber industry region	Total		Softwoods		Hardwoods	
	1998	1997	1998	1997	1998	1997
United States.....	46,560	46,560	35,358	35,457	11,202	11,103
Eastern lumber regions.....	29,315	29,105	18,521	18,470	10,794	10,635
Southern pine.....	15,389	15,408	15,389	15,408	-	-
Southern hardwood.....	4,675	4,652	-	-	4,675	4,652
Appalachian.....	(D)	(D)	(D)	(D)	(D)	(D)
Northern hemlock and hardwood.....	1,381	1,352	286 r/	267	1,095	1,085
Northeastern.....	(D)	(D)	(D)	(D)	(D)	(D)
Other.....	2,213	2,259	1,123	1,115	1,090	1,144
Western lumber regions.....	17,245	17,455	16,837	16,987	408	468
Douglas fir.....	7,993	8,015	7,585	7,547	407	467
Western pine.....	8,138	8,252	(D)	(D)	(D)	(D)
California redwood.....	(D)	(D)	(D)	(D)	(D)	(D)
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. Production, Exports, Imports, and Apparent Consumption of Softwoods and Hardwoods: 1998 and 1997
[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
1998							
	Total softwoods and hardwoods.....	109,869	5,387	4.9	44,997	149,479	30.1
	Softwoods 4/.....	83,435	2,886	3.5	43,703	124,252	35.2
	Pine.....	45,356	1,150	2.5	1,588	45,794	3.5
3211133933	Lodgepole pine.....	1,666	40	2.4	137	1,763	7.8
3211133929	Ponderosa pine	4,894	97	2.0	130	4,927	2.6
3211133911	Other pine, including						
3211133913	southern yellow						
3211133915	and eastern white						
3211133931	pine.....	38,796	1,013	2.6	1,321	39,104	3.4
3211133935							
3211133925	Douglas fir.....	17,087	594	3.5	984	17,477	5.6
3211133921	Western red cedar.....	1,395	55	3.9	1,098	2,438	45.0
3211133917	Other softwoods, including						
3211133919	hemlock, spruce, fir						
3211133923	(other than Douglas						
3211133927	fir), cedar (other than						
3211133937	western red cedar),						
3211133939	and mixed softwoods.....	15,034	1,087	7.2	40,033	53,980	74.2
3211133941							
3211133943							
32111339XX	Softwoods, n.s.k.....	4,563	(X)	(X)	(X)	4,563	(X)
	Hardwoods 4/.....	26,434	2,501	9.5	1,294	25,227	5.1
3211131951	Ash.....	465	133	28.6	8	340	2.4
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.....	252	16	6.3	2	238	0.8
3211131967	Maple.....	1,734	329	19.0	191	1,596	12.0
3211131969							
3211131971	Red oak.....	4,771	559	11.7	18	4,230	0.4
3211131973	White oak.....	2,225	565	25.4	9	1,669	0.5
3211131975	Black walnut.....	61	22	36.1	1	40	2.5
3211131977	Yellow-poplar.....	2,249	169	7.5	1	2,081	-
3211131959	Other hardwoods,						
3211131961	including cottonwood,						
3211131963	aspen, gum, and						
3211131979	mixed hardwoods.....	5,324	515	9.7	978	5,787	16.9
3211131981							
3211131983							
32111319XX	Hardwoods, n.s.k.....	8,520	(X)	(X)	(X)	8,520	(X)
1997							
	Total softwoods and hardwoods.....	109,869	7,023	6.4	43,129	145,975	29.5
	Softwoods 4/.....	83,669	4,132	4.9	42,066	121,603	34.6
	Pine.....	45,771	1,252	2.7	1,538	46,057	3.3
3211133933	Lodgepole pine.....	1,583	52	3.3	100	1,631	6.1
3211133929	Ponderosa pine	r/ 5,347	117	2.2	211 r/	5,441	3.9
3211133911	Other pine, including						
3211133913	southern yellow						
3211133915	and eastern white						

Continued

Table 6. Production, Exports, Imports, and Apparent Consumption of Softwoods and Hardwoods: 1998 and 1997
[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
3211133931	pine.....	38,841	1,083	2.8	1,227	38,985	3.1
3211133935							
3211133925	Douglas fir.....	16,712	1,029	6.2	623	16,306	3.8
3211133921	Western red cedar.....	1,543	73	4.7	1,278	2,748	46.5
3211133917	Other softwoods, including						
3211133919	hemlock, spruce, fir						
3211133923	(other than Douglas						
3211133927	fir), cedar (other than						
3211133937	than western red						
3211133939	cedar), and mixed						
3211133941	softwoods.....	15,114	1,778	11.8	38,627	51,963	74.3
3211133943							
32111339XX	Softwoods, n.s.k.....	4,529	(X)	(X)	(X)	4,529	(X)
	Hardwoods 4/.....	26,200	2,891	11.0	1,063	24,372	4.4
3211131951	Ash.....	455	152	33.4	7	310	2.3
3211131953	Beech.....	163	34	20.9	5	134	3.7
3211131955	Birch.....	165	27	16.4	63	201	31.3
3211131957	Cherry.....	460	113	24.6	7	354	2.0
3211131965	Hickory and pecan.....	224	18	8.0	1	207	0.5
3211131967	Maple.....	1,635	391	23.9	176	1,420	12.4
3211131969							
3211131971	Red oak.....	4,679	649	13.9	19	4,049	0.5
3211131973	White oak.....	2,192	666	30.4	8	1,534	0.5
3211131975	Black walnut.....	59	20	33.9	1	40	2.5
3211131977	Yellow-poplar.....	2,232	204	9.1	1	2,029	-
3211131959	Other hardwoods,						
3211131961	including cottonwood,						
3211131963	aspen, gum, and mixed						
3211131979	hardwoods.....	5,508	617	11.2	775	5,666	13.7
3211131981							
3211131983							
32111319XX	Hardwoods, n.s.k.....	8,428	(X)	(X)	(X)	8,428	(X)

- Represents zero. n.s.k. Not specified by kind. r/Revised by 5 percent or more from previously published data.
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 numbers for 1998 and 1997 do not include cross-ties.

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

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

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

Table 7. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1998

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 souther yellow and eastern white pine.....		
3211133913			
3211133915		4407.10.0042	4407.10.0042
3211133931		4407.10.0043	4407.10.0043
3211133935		4407.10.0046	4407.10.0046
		4407.10.0047	4407.10.0047
		4407.10.0052	4407.10.0052
		4407.10.0053	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 Douglas fir), cedar (other than western red cedar), and mixed softwoods.....		
3211133919			
3211133923			
3211133927			
3211133937		4407.10.0001	4407.10.0001
3211133939		4407.10.0002	4407.10.0002
3211133941		4407.10.0015	4407.10.0015
3211133943		4407.10.0016	4407.10.0016
		4407.10.0017	4407.10.0017
		4407.10.0018	4407.10.0018
		4407.10.0019	4407.10.0019
		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

Continued

Table 7. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1998

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

Continued

Table 7. Comparison of North American Industry Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 1998

Product code	Product description	Export code	Import code
			4407.24.0090
			4407.24.0095
		4407.25.0000	4407.25.0000
		4407.26.0000	4407.26.0000
		4407.29.0000	
			4407.29.0005
			4407.29.0010
			4407.29.0025
			4407.29.0030
			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: 1998 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 (1998).