

Four Corners Forest Products Industry and Timber Harvest, 2016

Data Tables

The University of Montana's Bureau of Business and Economic Research (BBER), in conjunction with the Interior West Forest Inventory and Analysis (IW-FIA) Program of the US Forest Service, conducted a census of Four Corners (Arizona, Colorado, New Mexico, and Utah) timber processors that operated during calendar year 2016. Through a written questionnaire, phone or in-person interview, timber-processing and residue-utilizing facilities provided information about their 2016 operations, including:

- Plant location, production, capacity, and employment
- Volume of raw material received, by county and ownership
- Species of timber received and live/dead proportions
- Finished product volumes, types, sales value, and market locations
- Volume, utilization, and marketing of manufacturing residue

The facility-level information was then compiled and summarized. Because this study is based on a census, rather than statistical sample of firms, there is no statistical error associated with the estimates presented. Possibilities of reporting and measurement error exist, but are minimized by cross checking data against other public and private information sources and through data checking for internal consistency. Summary data tables and figures are reviewed by wood products researchers, state and federal agency personnel, and members of the state's forest products industry.

We encourage you to contact us if you have any additional questions about the data. However, firm-level data are confidential and will not be released.

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List of 4-Corners Tables

- Table 4C-1 -Four Corners timber harvest by ownership class, 2002, 2007, 2012 and 2016.
- Table 4C-2 -Four Corners timber harvest by species, 2002, 2007, 2012 and 2016.
- Table 4C-3 -Four Corners timber harvest by product, 2002, 2007, 2012 and 2016.
- Table 4C-4-Four Corners timber products imports and exports, 2016.
- Table 4C-5-Timber received by the Four Corners primary forest products industry by ownership class and product, 2016.
- Table 4C-6 -Production and disposition of Four Corners mill residues, 2016.
- Table 4C-7-Four Corners sawmill residue factors, 2002, 2007, 2012 and 2016.
- Table 4C-8-Destination and sales value of Four Corners primary wood products, 2016.

ARIZONA

- Table A1-Arizona nonreserved timberland by ownership class
- Table A2-Arizona timber products harvested by ownership class, 2016.
- Table A3- Proportion of Arizona timber harvest by ownership class, selected years.
- Table A4-Arizona timber harvest by county, selected years
- Table A5-Proportion of Arizona timber harvest by species, selected years
- Table A6-Arizona timber harvest by species, selected years
- Table A7-Arizona timber harvest by species and product, 2016.
- Table A8- Timber product flow into and out of Arizona, 2016.
- Table A9-Ownership of timber products received by Arizona forest products industry, 1998, 2002, 2007, 2012 and 2016.
- Table A10-Timber received by Arizona forest products industry by ownership class and product, 2016.
- Table A11-Active Arizona primary wood products facilities by county and product, 2016
- Table A12-Finished product sales of Arizona's primary wood products sectors, selected years.
- Table A13-Arizona sawmills by production size class, selected years
- Table A14-Number of Arizona sawmills and average lumber production, selected years.
- Table A15-Arizona lumber production by mill size, 2016.
- Table A16-Production and disposition of Arizona mill residues, 2016.
- Table A17-Arizona sawmill residue factors, 1998, 2002, 2007, 2012 and 2016.
- Table A18-Destination and sales value of Arizona's primary wood products, 2016.

COLORADO

- Table C1-Colorado nonreserved timberland by ownership class.
- Table C2-Colorado timber harvest by ownership class, 1982, 2002, 2007, 2012 and 2016.
- Table C3- Colorado timber products harvested by ownership class, 2016.
- Table C4-Colorado timber harvest by county, selected years.
- Table C5-Colorado timber harvest by species, selected years.
- Table C6-Colorado timber harvest by species and product, 2016.
- Table C7-Timber product flow into and out of Colorado, 2016.
- Table C8-Timber received by Colorado forest products industry by ownership class and product, 2016.
- Table C9-Active Colorado primary wood products facilities by county and product, 2016.
- Table C10-Finished product sales of Colorado's primary wood products sectors, 2016.
- Table C11-Number of Colorado sawmills and average lumber production, selected years.
- Table C12-Colorado lumber production by mill size, 2016.
- Table C13-Colorado's sawmill residue factors, 2002, 2007, 2012 and 2016.
- Table C14-Production and disposition of Colorado mill residues, 2016.
- Table C15-Destination and sales value of Colorado's primary wood products and mill residues, 2016.

NEW MEXICO

- Table N1-New Mexico nonreserved timberland by ownership class.
- Table N2-New Mexico timber harvest by ownership class, 1997, 2002, 2007, 2012 and 2016.
- Table N3-New Mexico timber products harvested by ownership class, 2016.
- Table N4-New Mexico timber harvest by county, selected years.
- Table N5-New Mexico timber harvest by species, selected years.
- Table N6-New Mexico timber harvest by species and product, 2016.
- Table N7-Timber product flow into and out of New Mexico, 2016.
- Table N8-Ownership of timber products received by New Mexico mills, 1997, 2002, 2007, 2012 and 2016.
- Table N9-Timber received by New Mexico forest products industry by ownership class and product, 2016.
- Table N10-Active New Mexico primary wood products facilities by county and product, 2016.
- Table N11-Finished product sales of New Mexico's primary wood products, selected years.
- Table N12-New Mexico sawmills by production size class, selected years.
- Table N13-Number of New Mexico sawmills and average lumber production, selected years
- Table N14-New Mexico lumber production by mill size, 2016.
- Table N15-Production and disposition of New Mexico mill residues, 2016.
- Table N16-New Mexico sawmill residue factors, 1997, 2002, 2007, 2012 and 2016.
- Table N17-Destination and sales value of New Mexico's primary wood products and mill residues, 2016.

UTAH

- Table U1-Utah nonreserved timberland by ownership class.
- Table U2-Utah timber harvest by ownership class, 1992, 2002, 2007, 2012 and 2016.
- Table U3-Utah timber products harvested by ownership class, 2016.
- Table U4-Utah timber harvest by county, selected years.
- Table U5-Proportion of Utah timber harvest by species, selected years.
- Table U6-Utah timber harvest by species and product, 2016.
- Table U7- Timber product flow into and out of Utah, 2016.
- Table U8-Ownership of timber products received by Utah mills, 1992, 2002, 2007, 2012 and 2016.
- Table U9-Timber received by Utah forest products industry by ownership class and product, 2016.
- Table U10-Active Utah primary wood products facilities by county and product, 2016.
- Table U11-Finished product sales of Utah's primary wood products sectors, 1992, 2002, 2007, 2012 and 2016.
- Table U12-Utah sawmills by production size class, selected years.
- Table U13-Number of Utah sawmills and average lumber production, selected years.
- Table U14-Utah lumber production by mill size, 2016.
- Table U15-Production and disposition of Utah mill residues, 2016.
- Table U16-Utah sawmill residue factors, 1992, 2002, 2007, 2012 and 2016.
- Table U17-Destination and sales value of Utah's primary wood products and mill residues, 2016.

--- FOUR CORNERS 2016 ---

Table 4C-1 -Four Corners timber harvest by ownership class, 2002, 2007, 2012 and 2016.
(source: Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Ownership Class | 2002 | | 2007 | | 2012 | | 2016 | |
|-------------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| | MBF Scribner | Percentage of harvest | MBF Scribner | Percentage of harvest | MBF Scribner | Percentage of harvest | MBF Scribner | Percentage of harvest |
| Private and tribal timberland | 234,456 | 72.5 | 117,708 | 55.9 | 47,739 | 23.7 | 74,630 | 30.5 |
| <i>Tribal</i> | 134,840 | 41.7 | 23,714 | 11.3 | 8,796 | 4.4 | 30,758 | 12.6 |
| <i>Private</i> | 99,616 | 30.8 | 93,994 | 44.7 | 38,942 | 19.3 | 43,872 | 18.0 |
| Public timberland | 89,105 | 27.5 | 92,700 | 44.1 | 153,943 | 76.3 | 169,720 | 69.5 |
| <i>National Forest</i> | 84,536 | 26.1 | 86,036 | 40.9 | 147,918 | 73.3 | 159,612 | 65.3 |
| <i>Other public</i> | 4,569 | 1.4 | 6,664 | 3.2 | 6,025 | 3.0 | 10,108 | 4.1 |
| All owners | 323,561 | 100 | 210,408 | 100 | 201,682 | 100 | 244,350 | 100 |

Table 4C-2 -Four Corners timber harvest by species, 2002, 2007, 2012 and 2016.
(source: Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Species | 2002 | | 2007 | | 2012 | | 2016 | |
|----------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| | MBF Scribner | Percentage of harvest | MBF Scribner | Percentage of harvest | MBF Scribner | Percentage of harvest | MBF Scribner | Percentage of harvest |
| Ponderosa pine | 186,955 | 57.8 | 73,041 | 34.7 | 86,696 | 43.0 | 101,265 | 41.4 |
| Lodgepole pine | 21,822 | 6.7 | 50,648 | 24.1 | 52,115 | 25.8 | 69,517 | 28.4 |
| Spruces | 46,850 | 14.5 | 27,057 | 12.9 | 11,490 | 5.7 | 36,055 | 14.8 |
| Douglas-fir | 30,165 | 9.3 | 19,065 | 9.1 | 23,673 | 11.7 | 17,863 | 7.3 |
| Aspen | 20,399 | 6.3 | 28,088 | 13.3 | 18,748 | 9.3 | 12,091 | 4.9 |
| Firs | 16,882 | 5.2 | 12,351 | 5.9 | 6,005 | 3.0 | 6,380 | 2.6 |
| Other species ^a | 489 | 0.2 | 158 | 0.1 | 2,954 | 1.5 | 1,178 | 0.5 |
| All species | 323,562 | 100 | 210,408 | 100 | 201,682 | 100 | 244,350 | 100 |

^aOther species include juniper, other softwoods, and hardwoods other than aspen.

Table 4C-3 -Four Corners timber harvest by product, 2002, 2007, 2012 and 2016.
(source: Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Product | 2002 | | 2007 | | 2012 | | 2016 | |
|------------------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| | MBF Scribner | Percentage of harvest | MBF Scribner | Percentage of harvest | MBF Scribner | Percentage of harvest | MBF Scribner | Percentage of harvest |
| Sawlogs | 279,317 | 86.3 | 174,629 | 83.0 | 141,160 | 70.0 | 187,226 | 76.6 |
| Fiber logs and industrial fuelwood | 14,763 | 4.6 | 15,144 | 7.2 | 46,450 | 23.0 | 38,546 | 15.8 |
| Posts and poles | 4,104 | 1.3 | 5,497 | 2.6 | 3,801 | 1.9 | 9,821 | 4.0 |
| House logs | 20,695 | 6.4 | 12,495 | 5.9 | 7,906 | 3.9 | 6,737 | 2.8 |
| Vigas | 3,655 | 1.1 | 2,368 | 1.1 | 1,649 | 0.8 | 1,461 | 0.6 |
| Other products ^a | 1,029 | 0.3 | 275 | 0.1 | 717 | 0.4 | 559 | 0.2 |
| All products | 323,563 | 100 | 210,408 | 100 | 201,682 | 100 | 244,350 | 100 |

^aOther products include furniture logs, pilings, and utility poles.

Table 4C-4-Four Corners timber product inflow and outflow^a, 2016.

| Timber product | Inflow | Outflow | Net inflow (net out flow) |
|---|--------|---------|------------------------------|
| -----Thousand board feet, Scribner----- | | | |
| Sawlogs | 301 | 18,704 | (18,403) |
| House logs | 60 | 724 | (664) |
| Other products ^b | 47 | 0 | 47 |
| All products | 408 | 19,428 | (19,020) |

^a Inflows are from other states and Canada. Outflows are to other states only.
^b Other products include post and poles, fiber logs, firewood, furniture logs, vigas and industrial fuel wood.

Table 4C-5-Timber received by the Four Corners primary forest products industry by ownership class and product, 2016.

| Ownership class | Sawlogs | Fuelwood/ bioenergy | House logs | Post/pole | Other products ^b | All products |
|--|---------|------------------------|------------|-----------|--------------------------------|--------------|
| -----Thousand board feet, Scribner----- | | | | | | |
| Private and tribal timberland | 59,897 | 3,151 | 1,851 | 3,392 | 6,417 | 74,708 |
| Private | 33,521 | 1,570 | 1,791 | 1,839 | 5,230 | 43,950 |
| Tribal | 26,376 | 1,581 | 60 | 1,553 | 1,187 | 30,758 |
| Public timberland | 108,925 | 21,883 | 4,222 | 6,430 | 9,162 | 150,622 |
| National Forest | 103,313 | 20,109 | 4,222 | 5,718 | 8,052 | 141,414 |
| Other owners ^a | 5,612 | 1,774 | - | 712 | 1,110 | 9,208 |
| All owners | 168,823 | 25,034 | 6,073 | 9,821 | 15,579 | 225,330 |
| -----Percentage of product by ownership----- | | | | | | |
| Private and tribal timberland | 35.5 | 12.6 | 30.5 | 34.5 | 41.2 | 33.2 |
| Private | 19.9 | 6.3 | 29.5 | 18.7 | 33.6 | 19.5 |
| Tribal | 15.6 | 6.3 | 1.0 | 15.8 | 7.6 | 13.7 |
| Public timberland | 64.5 | 87.4 | 69.5 | 65.5 | 58.8 | 66.8 |
| National Forest | 61.2 | 80.3 | 69.5 | 58.2 | 51.7 | 62.8 |
| Other owners ^a | 3.3 | 7.1 | - | 7.2 | 7.1 | 4.1 |
| All owners | 74.9 | 11.1 | 2.7 | 4.4 | 6.9 | 100 |

^a Other owners include other public ownerships and Canadian imports.
^b Other products include pulp logs, log furniture, vigas, latillas, and fiber logs.

Table 4C-6 -Production and disposition of Four Corners mill residues, 2016.

| Residue type | Total utilized | Pulp and board | Energy | Mulch/ bedding | Unspecified use | Unused | Total produced |
|---|-------------------|-------------------|--------|-------------------|--------------------|--------|-------------------|
| -----Bone-dry units ^a ----- | | | | | | | |
| Coarse | 140,314 | - | 51,697 | - | 88,617 | 851 | 141,165 |
| Fine | 71,616 | - | 14,362 | 44,547 | 12,706 | 246 | 71,862 |
| Sawdust | 50,436 | - | 8,460 | 32,718 | 9,257 | 146 | 50,582 |
| Planer shavings | 21,180 | - | 5,902 | 11,829 | 3,449 | 100 | 21,280 |
| Bark | 47,808 | - | 2,760 | 36,261 | 8,786 | 762 | 48,570 |
| All residues | 259,737 | - | 68,819 | 80,809 | 110,109 | 1,860 | 261,597 |
| -----Percentage of residue type by use----- | | | | | | | |
| Coarse | 99.4 | - | 36.6 | - | 62.8 | 0.6 | 54.0 |
| Fine | 99.7 | - | 20.0 | 62.0 | 17.7 | 0.3 | 27.5 |
| Sawdust | 99.7 | - | 16.7 | 64.7 | 18.3 | 0.3 | 19.3 |
| Planer shavings | 99.5 | - | 27.7 | 55.6 | 16.2 | 0.5 | 8.1 |
| Bark | 98.4 | - | 5.7 | 74.7 | 18.1 | 1.6 | 18.6 |
| All residues | 99.3 | - | 26.3 | 30.9 | 42.1 | 0.7 | 100 |

^a Bone-dry unit = 2,400 lb oven-dry wood.

Table 4C-7-Four Corners sawmill residue factors, 2002, 2007, 2012 and 2016.
(source: Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| | 2002 | 2007 | 2012 | 2016 |
|-----------------|-------------|-------------|-------------|-------------|
| Type of residue | BDU per MBF | BDU per MBF | BDU per MBF | BDU per MBF |
| Coarse | 0.56 | 0.56 | 0.63 | 0.65 |
| Sawdust | 0.19 | 0.19 | 0.19 | 0.23 |
| Planer shavings | 0.16 | 0.10 | 0.06 | 0.10 |
| Bark | 0.28 | 0.17 | 0.19 | 0.23 |
| Total | 1.19 | 1.02 | 1.07 | 1.21 |

^aBone-dry unit (BDU = 2,400 lb oven-dry wood) of residue generated for every 1,000 board feet of lumber manufactured.

Table 4C-8-Destination and sales value of Four Corners primary wood products and mill residues, 2016.

| Product | Within | Other | | | | | Mexico, | Total |
|---|----------|---------------------|-------------------|------------------------|--------------------|----------------------|-----------------------|---------|
| | 4-Corner | Rocky Mtn | Far | North | | | Canada, | |
| | States | States ^a | West ^b | Northeast ^c | South ^d | Central ^e | or other ^f | |
| -----Thousand 2016 dollars----- | | | | | | | | |
| Lumber, timbers, and other sawn products | 40,176 | 8,225 | 4,028 | 1,868 | 12,519 | 8,185 | 18,123 | 93,125 |
| House logs and log homes | 9,812 | 1,181 | 353 | 1,304 | 2,893 | 2,852 | - | 18,394 |
| Posts, poles, vigas, latillas, and log furniture | 16,815 | 2,736 | 4,729 | 2,078 | 2,088 | 2,756 | 729 | 31,932 |
| Other products ^g | 94,573 | 3,821 | 4,844 | 2,236 | 5,666 | 6,492 | 2,231 | 119,863 |
| Total | 161,376 | 15,964 | 13,955 | 7,485 | 23,166 | 20,286 | 21,083 | 263,314 |
| -----Percentage of regional sales by product----- | | | | | | | | |
| Lumber, mine timbers, and other sawn products | 24.9 | 51.5 | 28.9 | 25.0 | 54.0 | 40.4 | 86.0 | 35.4 |
| House logs and log homes | 6.1 | 7.4 | 2.5 | 17.4 | 12.5 | 14.1 | - | 7.0 |
| Posts, poles, vigas, latillas, and log furniture | 10.4 | 17.1 | 33.9 | 27.8 | 9.0 | 13.6 | 3.5 | 12.1 |
| Other products ^g | 58.6 | 23.9 | 34.7 | 29.9 | 24.5 | 32.0 | 10.6 | 45.5 |
| Total | 61.3 | 6.1 | 5.3 | 2.8 | 8.8 | 7.7 | 8.0 | 100 |

^aOther Rocky Mountains includes Idaho, Montana, Nevada.
^bFar West includes Alaska, California, Hawaii, Oregon, and Washington.
^cNortheast includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode
^dSouth includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
^eNorth Central includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South
^fOther areas consist of products being shipped outside the U.S.
^gOther products include shavings, electricity, fuel pellets, erosion control products, firewood, mulch, clean chips, animal bedding, utility poles, and mill residues.

Table A4-Arizona timber harvest by county, selected years
 (sources: McLain 1988; Keegan and others 2001a; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| County | 1984 | 1998 | 2002 | 2007 | 2012 | 2016 | 1984 | 1998 | 2002 | 2007 | 2012 | 2016 |
|--------------------|---------------------------------|--------|---------|--------|--------|--------|-------------------------------|--------------|------|--------------|--------------|--------------|
| | ----- <i>MBF Scribner</i> ----- | | | | | | ----- <i>Percentage</i> ----- | | | | | |
| Apache | 171,128 | 15,641 | 6,350 | 31,610 | 23,916 | 18,067 | 44.7 | 20.5 | 5.0 | 58.8 | 33.5 | 23.6 |
| Coconino | 150,727 | 15,314 | 14,889 | 14,353 | 32,118 | 28,491 | 39.4 | 20.1 | 11.6 | 26.7 | 45.0 | 37.3 |
| Gila | 931 | 5,405 | 39,960 | 1,960 | 2,729 | 8,157 | 0.2 | 7.1 | 31.2 | 3.6 | 3.8 | 10.7 |
| Graham | - | - | 1,100 | 1,100 | - | 0.2 | - | - | 0.9 | 2.0 | - | ^a |
| Greenlee | 4,623 | 1,515 | - | - | - | 54 | 1.2 | 2.0 | - | - | - | 0.1 |
| Maricopa | - | - | - | - | - | - | - | - | - | ^a | ^a | - |
| Navajo | 52,745 | 38,384 | 64,027 | 3,094 | 8,938 | 18,032 | 13.8 | 50.3 | 49.9 | 5.8 | 12.5 | 23.6 |
| Pima | - | 33 | - | - | 12 | 50 | - | ^a | - | - | 0.0 | 0.1 |
| Santa Cruz | - | - | - | 48 | 120 | 50 | - | - | - | 0.1 | 0.2 | 0.1 |
| Yavapai | 2,220 | 20 | 1,895 | 1,612 | 3,585 | 3,531 | 0.6 | ^a | 1.5 | 3.0 | 5.0 | 4.6 |
| Total ^b | 382,674 | 76,312 | 128,220 | 53,777 | 71,418 | 76,432 | 100 | 100 | 100 | 100 | 100 | 100 |

^aLess than 0.05 percent.
^bPercentage detail may not sum to 100% due to rounding.

Table A5-Proportion of Arizona timber harvest by species, selected years
 (sources: McLain 1988; Keegan and others 2001a; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Species | 1984 | 1998 | 2002 | 2007 | 2012 | 2016 |
|----------------------------|--|------|--------|------|------|------|
| | ----- <i>Percentage of Harvest</i> ----- | | | | | |
| Ponderosa pine | 90.6 | 87.5 | 94.8 | 86.4 | 83.6 | 91.0 |
| Douglas-fir | 4.5 | 6.9 | 2.4 | 3.6 | 8.1 | 5.0 |
| Other species ^a | 0.2 | 1.2 | < 0.05 | 1.4 | 4.3 | 1.8 |
| Engelmann spruce | 2.3 | 3.1 | 1.2 | 5.5 | 1.4 | 1.2 |
| White fir | 2.4 | 1.3 | 1.5 | 3.1 | 2.6 | 1.0 |
| All species ^b | 100 | 100 | 100 | 100 | 100 | 100 |

^aOther species include juniper, other softwoods, and hardwoods.
^bMay not sum due to rounding.

Table A6-Arizona timber harvest by species, selected years
 (Sources: McLain 1988; Keegan and others 2001a; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Species | 1984 | 1998 | 2002 | 2007 | 2012 | 2016 |
|----------------------------|---------------------------------|--------|---------|--------|--------|--------|
| | ----- <i>MBF Scribner</i> ----- | | | | | |
| Ponderosa pine | 346,851 | 66,804 | 121,614 | 46,483 | 59,714 | 69,546 |
| Douglas-fir | 17,217 | 5,264 | 3,129 | 1,915 | 5,754 | 3,845 |
| Other species ^a | 722 | 943 | 26 | 769 | 3,053 | 1,351 |
| Engelmann spruce | 8,667 | 2,340 | 1,551 | 2,948 | 1,010 | 898 |
| White fir | 9,214 | 961 | 1,900 | 1,662 | 1,886 | 791 |
| All species ^b | 382,674 | 76,312 | 128,220 | 53,777 | 71,418 | 76,432 |

^aOther species include juniper, other softwoods, and hardwoods.
^bMay not sum due to rounding.

| Table A7-Arizona timber harvest by species and product, 2016. | | | | |
|--|-------------------|----------------------|-----------------------------|---------------------|
| Species | House logs | | Other | All products |
| | Sawlogs | and viga logs | products^a | |
| ----- <i>Thousand board feet, Scribner</i> ----- | | | | |
| Ponderosa pine | 53,067 | 192 | 16,288 | 69,546 |
| Douglas-fir | 2,297 | - | 1,548 | 3,845 |
| Other species ^b | 100 | 4 | 1,248 | 1,351 |
| Engelmann spruce | 230 | 32 | 636 | 898 |
| True firs ^c | 791 | - | - | 791 |
| All species | 56,484 | 227 | 19,720 | 76,432 |
| ----- <i>Percentage of product by species</i> ----- | | | | |
| Ponderosa pine | 93.9 | 84.6 | 82.6 | 91.0 |
| Douglas-fir | 4.1 | - | 7.9 | 5.0 |
| Other species ^b | 0.2 | 1.5 | 6.3 | 1.8 |
| Engelmann spruce | 0.4 | 13.9 | 3.2 | 1.2 |
| True firs ^c | 1.4 | - | - | 1.0 |
| All species | 73.9 | 0.3 | 25.8 | 100 |
| ^a Other products include industrial fuelwood, fiber logs, energywood logs, and posts and poles. | | | | |
| ^b Other species include juniper, other softwoods, and hardwoods. | | | | |
| ^c True firs include white and subalpine fir. | | | | |

| Table A8- Timber product flow into and out of Arizona, 2016. | | | |
|---|----------------------|---------------------|----------------------|
| Timber product | Log flow into | Log flow out | Net inflow |
| | Arizona | of Arizona | (net outflow) |
| ----- <i>Thousand board feet, Scribner</i> ----- | | | |
| Sawlogs | 2,498 | - | 2,498 |
| Fiber Logs | 2,114 | - | 2,114 |
| House logs and viga logs | - | 35 | (35) |
| All products | 4,612 | 35 | 4,577 |

| Table A9-Ownership of timber products received by Arizona forest products industry, 1998, 2002, 2007,2012 and 2016. | | | | | | | | | | |
|--|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|
| (source: Keegan and others 2001a; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016). | | | | | | | | | | |
| Ownership class | 1998 | | 2002 | | 2007 | | 2012 | | 2016 | |
| | MBF | Percentage | MBF | Percentage | MBF | Percentage | MBF | Percentage | MBF | Percentage |
| | Scribner | of total | Scribner | of total | Scribner | of total | Scribner | of total | Scribner | of total |
| Private and tribal timberland | 48,102 | 71.1 | 58,108 | 76.3 | 31,706 | 60.8 | 2,623 | 3.8 | 26,644 | 32.9 |
| <i>Tribal</i> | 45,964 | 68.0 | 56,150 | 73.8 | 4,400 | 8.4 | 2,220 | 3.2 | 25,847 | 31.9 |
| <i>Private</i> | 2,138 | 3.2 | 1,958 | 2.6 | 27,306 | 52.4 | 403 | 0.6 | 797 | 1.0 |
| National Forests | 19,510 | 28.9 | 18,006 | 23.7 | 20,427 | 39.2 | 66,858 | 96.0 | 52,867 | 65.3 |
| State Lands | - | - | - | - | - | - | 130 | 0.2 | 1,498 | 1.8 |
| All owners | 67,612 | 100 | 76,114 | 100 | 52,133 | 100 | 69,611 | 100 | 81,009 | 100 |

Table A10-Timber received by Arizona forest products industry by ownership class and product, 2016.

| Ownership class | Other products ^a | | |
|--|-----------------------------|-----------------------------|--------------|
| | Sawlogs | Other products ^a | All products |
| -----Thousand board feet, Scribner----- | | | |
| Private and tribal timberland | 23,617 | 3,027 | 26,644 |
| <i>Private</i> | 617 | 180 | 797 |
| <i>Tribal</i> | 23,000 | 2,847 | 25,847 |
| Public timberland | 35,365 | 18,999 | 54,365 |
| <i>National Forest</i> | 35,355 | 17,511 | 52,867 |
| <i>State Lands</i> | 10 | 1,488 | 1,498 |
| All owners | 58,982 | 22,026 | 81,009 |
| -----Percentage of product by owner----- | | | |
| Private and tribal timberland | 40.0 | 13.7 | 32.9 |
| <i>Private</i> | 1.0 | 0.8 | 1.0 |
| <i>Tribal</i> | 39.0 | 12.9 | 31.9 |
| Public timberland | 60.0 | 86.3 | 67.1 |
| <i>National Forest</i> | 59.9 | 79.5 | 65.3 |
| <i>State Lands</i> | 0.0 | 6.8 | 1.8 |
| All owners | 72.8 | 27.2 | 100.0 |

^aOther products include industrial fuelwood, fiber logs, energywood logs, houselogs, posts and poles, and viga logs.

Table A11-Active Arizona primary wood products facilities by county and product, 2016.
(sources: McLain 1988; Keegan and others 2001a; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| County | Lumber | House logs and viga | Other products ^a | Pulp and paper | Total |
|-------------------|-----------|---------------------|-----------------------------|----------------|-----------|
| Apache | 3 | 1 | 1 | | 5 |
| Coconino | 4 | | | | 4 |
| Gila | 1 | | | | 1 |
| Maricopa | 2 | | 1 | | 3 |
| Navajo | 3 | | 4 | | 7 |
| Pima | 1 | | | | 1 |
| Pinal | | | 1 | | 1 |
| Santa Cruz | 1 | | | | 1 |
| Yavapai | | | 1 | | 1 |
| 2016 Total | 15 | 1 | 8 | 0 | 24 |
| 2012 Total | 14 | 2 | 9 | 0 | 24 |
| 2007 Total | 8 | 5 | 4 | 0 | 17 |
| 2002 Total | 11 | 5 | 7 | 0 | 23 |
| 1998 Total | 6 | 4 | 2 | 1 | 13 |
| 1990 Total | 14 | 3 | 1 | 1 | 19 |
| 1984 Total | 20 | 0 | 2 | 1 | 23 |

^aOther products include industrial fuelwood, fuel pellets, biomass energy, posts and poles.

Table A12-Finished product sales of Arizona's primary wood products sectors, selected years.
(sources: WWPA various years; Keegan and others 2001a; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Sector | 1984 | 1990 | 1998 | 2002 | 2007 | 2012 | 2016 |
|---|---------|---------|--------|--------|--------|--------|---------|
| -----Thousands of 2016 dollars----- | | | | | | | |
| Sawmills | 201,982 | 165,281 | 34,978 | 31,595 | 23,354 | 33,881 | 45,547 |
| Log home and other sectors ^a | 283 | 651 | 2,732 | 8,211 | 18,352 | 53,742 | 55,714 |
| Total ^b | 202,265 | 165,931 | 37,709 | 39,806 | 41,706 | 87,623 | 101,261 |

^aOther sectors include producers of industrial fuelwood, fuel pellets, biomass energy, posts and poles, and viga logs.
^bAll sales are reported F.O.B. the manufacturer's plant. Sales of mill residues, mulch, and paper not included for comparison to previous years.

Table A13-Arizona sawmills by production size class, selected years
 (sources: Setzer and Wilson 1970; WWPA 1992, 1993; Keegan and others 2001a; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Year | Under 10 MMBF ^a | Over 10 MMBF ^a | Total |
|-----------------------------------|----------------------------|---------------------------|----------------------------|
| -----Number of sawmills----- | | | |
| 2016 | 15 | c | 15 |
| 2012 | 14 | c | 14 |
| 2007 | 8 | c | 8 |
| 2002 | 9 | 2 | 11 |
| 1998 | 2 | 4 | 6 |
| 1990 | 5 | 9 | 14 |
| 1966 | 13 | 10 | 23 |
| ---Percentage of lumber output--- | | | Volume (MBF ^b) |
| 2016 | 100 | c | 62,228 |
| 2012 | 100 | c | 49,336 |
| 2007 | 100 | c | 54,860 |
| 2002 | 25 | 75 | 82,658 |
| 1998 | 1 | 99 | 80,970 |
| 1990 | 4 | 96 | 388,000 |
| 1966 | 11 | 89 | 437,000 |

^aSize class is based on reported lumber production. MMBF denotes million board feet lumber tally.
^bMBF = thousand board feet lumber tally.
^cAll mills were included in <10 MMBF to avoid disclosing individual operations.

Table A14-Number of Arizona sawmills and average lumber production, selected years
 (sources: McLain 1988; Setzer and Wilson 1970; Keegan and others 2001a; Morgan and others 2006; Hayes and other 2012; Sorenson and others 2016).

| Year | Number of sawmills | Average lumber production |
|-------------------|--------------------|---------------------------|
| MMBF ^a | | |
| 2016 | 15 | 4.1 |
| 2012 | 14 | 3.5 |
| 2007 | 8 | 6.9 |
| 2002 | 11 | 7.5 |
| 1998 | 6 | 13.5 |
| 1990 | 14 | 27.7 |
| 1984 | 20 | 19.2 |
| 1966 | 23 | 19.0 |
| 1962 | 28 | 11.6 |
| 1960 | 38 | 8.7 |

^aMMBF = million board feet lumber tally.

Table A15-Arizona lumber production by mill size, 2016.

| Size class ^a | Number of mills | Volume | Percentage of total | Average per mill |
|-------------------------|-----------------|--------|---------------------|------------------|
| MBF ^b | | | | |
| Over 5 MMBF | 4 | 47,367 | 76 | 11,842 |
| Under 5 MMBF | 11 | 14,861 | 24 | 1,351 |
| Total | 15 | 62,228 | 100 | 4,149 |

^aSize class is based on reported lumber production. MMBF denotes million board feet lumber tally.
^bMBF = thousand board feet lumber tally.

Table A16-Production and disposition of Arizona mill residues, 2016.

| Residue type | Total utilized | Pulp and board | Energy | Mulch/ bedding | Unspecified use | Unused | Total produced |
|--|----------------|----------------|--------|----------------|-----------------|--------|----------------|
| ----- <i>Bone-dry units</i> ^a ----- | | | | | | | |
| Coarse | 45,380 | - | 16,845 | | 28,535 | 31 | 45,411 |
| Fine | 22,454 | - | 6,462 | 11,689 | 4,303 | 52 | 22,506 |
| <i>Sawdust</i> | 16,552 | - | 560 | 11,689 | 4,303 | 50 | 16,602 |
| <i>Planer shavings</i> | 5,902 | - | 5,902 | | | 2 | 5,904 |
| Bark | 11,832 | - | 713 | 6,781 | 4,338 | 30 | 11,862 |
| Total | 79,667 | - | 24,020 | 18,470 | 37,176 | 113 | 79,780 |
| ----- <i>Percentage of residue type</i> ----- | | | | | | | |
| Coarse | 99.9 | - | 37.1 | - | 62.8 | 0.1 | 56.9 |
| Fine | 99.8 | - | 28.7 | 51.9 | 19.1 | 0.2 | 28.2 |
| <i>Sawdust</i> | 99.7 | - | 3.4 | 70.4 | 25.9 | 0.3 | 20.8 |
| <i>Planer shavings</i> | 100.0 | - | 100.0 | - | - | 0.0 | 7.4 |
| Bark | 99.7 | - | 6.0 | 57.2 | 36.6 | 0.3 | 14.9 |
| Total | 99.9 | - | 30.1 | 23.2 | 46.6 | 0.1 | 100 |

^aBone-dry unit = 2,400 lb oven-dry wood.

Table A17-Arizona sawmill residue factors, 1998, 2002, 2007, 2012 and 2016 (sources: Keegan and others 2001a; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Type of Residue | 1998 | 2002 | 2007 | 2012 | 2016 |
|--|------|------|------|------|------|
| ----- <i>BDU/MBF lumber tally</i> ^a ----- | | | | | |
| Coarse | 0.50 | 0.44 | 0.68 | 0.65 | 0.71 |
| Sawdust | 0.22 | 0.15 | 0.17 | 0.18 | 0.20 |
| Planer shavings | 0.19 | 0.14 | 0.12 | 0.00 | 0.01 |
| Bark | 0.21 | 0.23 | 0.25 | 0.24 | 0.21 |
| Total | 1.12 | 0.96 | 1.22 | 1.07 | 1.13 |

^aBone-dry unit (BDU = 2,400 lb oven-dry wood) of residue generated for every 1,000 board feet of lumber manufactured.

Table A18-Destination and sales value of Arizona's primary wood products and mill residues, 2016.

| Product | Arizona | Other | Other | North | | | Other ^f | Total |
|--|---------|-----------------|-------------------------------|-----------------------|------------------------|--------------------|--------------------|--------|
| | | 4-Corner States | Rocky Mtn States ^a | Far West ^b | Northeast ^c | South ^d | | |
| ----- <i>Thousand 2016 dollars</i> ----- | | | | | | | | |
| Lumber, timbers, and other sawn products | 5,869 | 1,561 | 277 | 3,563 | 0 | 681 | 533 | 15,134 |
| House logs and other products ^g | 61,937 | 10,403 | 1,636 | 5,869 | 51 | 0 | 156 | 7 |
| Total | 67,806 | 11,964 | 1,913 | 9,433 | 51 | 681 | 688 | 15,141 |
| ----- <i>Percentage of regional sales by product</i> ----- | | | | | | | | |
| Lumber, timbers, and other sawn products | 8.7 | 13.0 | 14.5 | 37.8 | - | 100.0 | 77.4 | - |
| House logs and other products ^g | 91.3 | 87.0 | - | 62.2 | - | - | 22.6 | - |
| Total | 63.0 | 11.1 | 1.8 | 8.8 | 0.0 | 0.6 | 0.6 | 14.1 |

^aOther Rocky Mountains includes Idaho, Montana, Nevada.
^bFar West includes Alaska, California, Hawaii, Oregon, and Washington.
^cNortheast includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
^dSouth includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
^eNorth Central includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
^fOther areas consist of products being shipped outside the U.S.
^gOther products include electricity, shavings, firewood, fuel pellets, mulch, posts, poles, vigas, latillas, and mill residues.

--- COLORADO ---

Table C1-Colorado nonreserved timberland by ownership class.

(Source: U.S. Department of Agriculture, Evaluator 2018).

| Ownership class | Thousand acres | Percentage of nonreserved timberland |
|-----------------|----------------|--------------------------------------|
| National Forest | 7,427 | 71 |
| Private | 2,150 | 20 |
| Other public | 942 | 9 |
| Total | 10,519 | 100 |

Table C2-Colorado timber harvest by ownership class, 1982, 2002, 2007 and 2012.

(source: McLain 1985; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Ownership Class | 1982 | | 2002 | | 2007 | | 2012 | | 2016 | |
|-------------------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|
| | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total |
| Private and tribal timberland | 14,814 | 14.3 | 45,723 | 57.4 | 41,334 | 47.8 | 24,332 | 29.6 | 33,881 | 29.0 |
| <i>Private</i> | 14,814 | 14.3 | 45,223 | 56.7 | 40,810 | 47.2 | 24,332 | 29.6 | 33,881 | 29.0 |
| <i>Tribal</i> | - | 0.0 | 500 | 0.6 | 524 | 0.6 | - | 0.0 | - | 0.0 |
| Public timberland | 88,618 | 85.7 | 33,989 | 42.6 | 45,206 | 52.2 | 57,737 | 70.4 | 82,775 | 71.0 |
| <i>National Forest</i> | 83,106 | 80.3 | 30,631 | 38.4 | 43,179 | 49.9 | 54,789 | 66.8 | 75,614 | 64.8 |
| <i>State lands</i> | 4,977 | 4.8 | 2,749 | 3.4 | 1,837 | 2.1 | 1,479 | 1.8 | 3,492 | 3.0 |
| <i>Other public</i> | 535 | 0.5 | 609 | 0.8 | 190 | 0.2 | 1,469 | 1.8 | 3,669 | 3.1 |
| All owners | 103,448 | 100 | 79,711 | 100 | 86,540 | 100 | 82,070 | 100 | 116,656 | 100 |

Table C3- Colorado timber products harvested by ownership class, 2016.

| Ownership class | Sawlogs | House logs | Post & pole | Other products ^a | All products |
|--|---------|------------|-------------|-----------------------------|--------------|
| -----Thousand board feet, Scribner----- | | | | | |
| National Forest | 59,723 | 2,199 | 4,300 | 9,392 | 75,614 |
| Private timberland | 27,635 | 1,148 | 1,363 | 3,735 | 33,881 |
| Other public lands | 5,827 | - | 712 | 622 | 7,161 |
| Tribal timberland | - | - | - | - | - |
| All owners | 93,185 | 3,347 | 6,375 | 13,749 | 116,656 |
| -----Percentage of harvested product by ownership----- | | | | | |
| National Forest | 64.1 | 65.7 | 67.5 | 68.3 | 64.8 |
| Private timberland | 29.7 | 34.3 | 21.4 | 27.2 | 29.0 |
| Other public lands | 6.3 | - | 11.2 | 4.5 | 6.1 |
| Tribal timberland | - | - | - | - | - |
| All owners | 79.9 | 2.9 | 5.5 | 11.8 | 100 |

^aOther products include furniture logs, fiber logs, viga logs, and industrial fuelwood.

Table C4-Colorado timber harvest by county, selected years.
(sources: Setzer and Shupe 1977; McLain 1985; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| County | 1974 | 1982 | 2002 | 2007 | 2012 | 2016 | 1974 | 1982 | 2002 | 2007 | 2012 | 2016 |
|-------------|------------------------|---------|--------|--------|--------|---------|---------------------------------|------|------|------|------|------|
| | -----MBF Scribner----- | | | | | | -----Percentage of harvest----- | | | | | |
| Adams | - | - | 8 | 2 | 1 | 5 | - | - | a | a | a | a |
| Alamosa | 397 | 800 | - | - | - | 1,125 | 0.2 | 0.8 | - | - | - | 1.0 |
| Archuleta | 24,856 | 300 | 1,640 | 260 | 890 | 3,548 | 11.6 | 0.3 | 2.1 | 0.3 | 1.1 | 3.0 |
| Boulder | 90 | 514 | 44 | 3 | 2 | 766 | a | 0.5 | 0.1 | a | a | 0.7 |
| Chaffee | - | 252 | 595 | 48 | - | 915 | - | 0.2 | 0.7 | 0.1 | - | 0.8 |
| Clear Creek | - | 500 | - | - | 3,500 | 92 | - | 0.5 | - | - | 4.3 | 0.1 |
| Conejos | 6,007 | 1,221 | 740 | 618 | 1,355 | 7,518 | 2.8 | 1.2 | 0.9 | 0.7 | 1.7 | 6.4 |
| Costilla | - | - | 3,684 | 4,986 | 2,418 | 875 | - | - | 4.6 | 5.8 | 2.9 | 0.8 |
| Custer | 2,383 | 2,526 | 300 | 717 | 150 | 2,585 | 1.1 | 2.4 | 0.4 | 0.8 | 0.2 | 2.2 |
| Delta | 1,324 | 933 | 2,376 | 13,195 | 3,462 | 674 | 0.6 | 0.9 | 3.0 | 15.2 | 4.2 | 0.6 |
| Dolores | 12,687 | 7,801 | 5,907 | 3,275 | 3,000 | 2,869 | 5.9 | 7.5 | 7.4 | 3.8 | 3.7 | 2.5 |
| Douglas | 213 | 1,600 | 40 | 417 | 306 | 195 | 0.1 | 1.5 | 0.1 | 0.5 | 0.4 | 0.2 |
| Eagle | 5,221 | 1,500 | 200 | - | 144 | 4,866 | 2.4 | 1.5 | 0.3 | - | 0.2 | 4.2 |
| Elbert | 265 | - | - | - | - | - | 0.1 | - | - | - | - | - |
| El Paso | 285 | 470 | 240 | 49 | - | - | 0.1 | 0.5 | 0.3 | 0.1 | - | - |
| Fremont | - | 1,100 | 1,673 | 348 | - | 220 | - | 1.1 | 2.1 | 0.4 | - | 0.2 |
| Garfield | 2,218 | 500 | 9,321 | 1,924 | 622 | 530 | 1.0 | 0.5 | 11.7 | 2.2 | 0.8 | 0.5 |
| Gilpin | - | - | 20 | - | - | - | - | - | a | - | - | - |
| Grand | 18,406 | 618 | 3,113 | 30,387 | 19,381 | 8,538 | 8.6 | 0.6 | 3.9 | 35.1 | 23.6 | 7.3 |
| Gunnison | 12,431 | 2,336 | 4,249 | 4,110 | 4,243 | 2,147 | 5.8 | 2.3 | 5.3 | 4.7 | 5.2 | 1.8 |
| Hinsdale | - | - | - | - | - | 12,898 | - | - | - | - | - | 11.1 |
| Huerfano | 2,192 | 1,800 | 500 | 500 | - | 5,284 | 1.0 | 1.7 | 0.6 | 0.6 | - | 4.5 |
| Jackson | 20,786 | 16,273 | 4,373 | 2,916 | 2,610 | 8,483 | 9.7 | 15.7 | 5.5 | 3.4 | 3.2 | 7.3 |
| Jefferson | - | 1,881 | 361 | 21 | 2 | 186 | - | 1.8 | 0.5 | a | a | 0.2 |
| La Plata | 39,950 | 1,271 | 2,312 | 321 | 510 | 2,497 | 18.7 | 1.2 | 2.9 | 0.4 | 0.6 | 2.1 |
| Lake | - | - | 844 | - | - | 335 | - | - | 1.1 | - | - | 0.3 |
| Larimer | 5,219 | 2,497 | 3,145 | 528 | 1,152 | 1,270 | 2.4 | 2.4 | 3.9 | 0.6 | 1.4 | 1.1 |
| Las Animas | 993 | 1,600 | 7,057 | 2,300 | 170 | - | 0.5 | 1.5 | 8.9 | 2.7 | 0.2 | - |
| Logan | 33 | - | - | - | - | - | a | - | - | - | - | - |
| Mesa | 5,252 | 1,765 | 8,660 | 4,973 | 4,798 | 7,602 | 2.5 | 1.7 | 10.9 | 5.7 | 5.8 | 6.5 |
| Mineral | 11,876 | 6,531 | 372 | 683 | 629 | 1,257 | 5.5 | 6.3 | 0.5 | 0.8 | 0.8 | 1.1 |
| Moffat | 158 | - | 124 | - | 399 | 186 | 0.1 | - | 0.2 | - | 0.5 | 0.2 |
| Montezuma | 4,169 | 15,001 | 4,495 | 3,242 | 2,202 | 2,995 | 1.9 | 14.5 | 5.6 | 3.7 | 2.7 | 2.6 |
| Montrose | 2,714 | 7,735 | 3,029 | 1,625 | 7,335 | 5,628 | 1.3 | 7.5 | 3.8 | 1.9 | 8.9 | 4.8 |
| Ouray | - | 2,565 | 30 | 8 | 129 | 25 | - | 2.5 | a | a | a | a |
| Park | 252 | 2,456 | 4,369 | 2,432 | 911 | 951 | 0.1 | 2.4 | 5.5 | 2.8 | 1.1 | 0.8 |
| Pitkin | 331 | - | - | - | 149 | 104 | 0.2 | - | - | - | 0.2 | 0.1 |
| Pueblo | 176 | - | 306 | 48 | - | 1,012 | 0.1 | - | 0.4 | 0.1 | - | 0.9 |
| Rio Blanco | 370 | 10 | 730 | - | - | 81 | 0.2 | a | 0.9 | - | - | 0.1 |
| Rio Grande | 10,857 | 9,277 | 557 | 100 | 4,313 | 5,418 | 5.1 | 9.0 | 0.7 | 0.1 | 5.3 | 4.6 |
| Routt | 10,442 | 1,976 | 1,143 | 2,008 | 6,593 | 9,465 | 4.9 | 1.9 | 1.4 | 2.3 | 8.0 | 8.1 |
| Saguache | 11,426 | 4,802 | 520 | 1,459 | - | 3,494 | 5.3 | 4.6 | 0.7 | 1.7 | - | 3.0 |
| San Juan | - | - | 274 | - | - | - | - | - | 0.3 | - | - | - |
| San Miguel | - | 2,131 | 1,020 | - | 25 | 230 | - | 2.1 | 1.3 | - | 0.0 | 0.2 |
| Summit | - | 193 | 289 | 2,606 | 1,072 | 6,265 | - | 0.2 | 0.4 | 3.0 | 1.3 | 5.4 |
| Teller | 46 | 713 | 1,049 | 432 | 9,598 | 3,522 | a | 0.7 | 1.3 | 0.5 | 11.7 | 3.0 |
| Total | 214,025 | 103,448 | 79,711 | 86,540 | 82,070 | 116,656 | 100 | 100 | 100 | 100 | 100 | 100 |

^aLess than 0.05 percent.

Table C5-Colorado timber harvest by species, selected years.
(sources: Setzer and Shupe 1977; McLain 1985; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Species | 1974 | 1982 | 2002 | 2007 | 2012 | 2016 | 1974 | 1982 | 2002 | 2007 | 2012 | 2016 |
|----------------------------|------------------------|---------|--------|--------|--------|---------|---------------------------------|------|------|------|------|------|
| | -----MBF Scribner----- | | | | | | -----Percentage of harvest----- | | | | | |
| Lodgepole pine | 42,187 | 15,500 | 12,457 | 45,026 | 41,091 | 64,105 | 19.7 | 15.0 | 15.6 | 52.0 | 50.1 | 55.0 |
| Spruce ^a | 91,638 | 41,877 | 19,908 | 10,203 | 15,488 | 26,578 | 42.8 | 40.5 | 25.0 | 11.8 | 18.9 | 22.8 |
| Ponderosa pine | 34,306 | 22,716 | 22,526 | 6,899 | 10,983 | 8,505 | 16.0 | 22.0 | 28.3 | 8.0 | 13.4 | 7.3 |
| Aspen | 4,825 | 12,737 | 15,292 | 17,319 | 7,727 | 8,192 | 2.3 | 12.3 | 19.2 | 20.0 | 9.4 | 7.0 |
| Douglas-fir | 26,927 | 6,574 | 6,959 | 3,946 | 5,334 | 6,948 | 12.6 | 6.4 | 8.7 | 4.6 | 6.5 | 6.0 |
| True firs ^b | 14,142 | 3,986 | 2,512 | 3,132 | 1,350 | 2,301 | 6.6 | 3.9 | 3.2 | 3.6 | 1.6 | 2.0 |
| Other species ^c | - | 58 | 58 | 14 | 96 | 27 | - | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| All species | 214,025 | 103,448 | 79,711 | 86,539 | 82,070 | 116,656 | 100 | 100 | 100 | 100 | 100 | 100 |

^aSpruce includes Engelmann and blue spruce.
^bTrue firs include white and subalpine fir.
^cOther species include cottonwood, western redcedar, gambel oak, Rocky Mountain juniper, and pinyon.

| Table C6 -Colorado timber harvest by species and product, 2016. | | | | | |
|---|----------------|-------------------|------------------------|-----------------------------------|---------------------|
| Species | Sawlogs | House logs | Posts and poles | Other products^a | All products |
| <i>-----Thousand board feet, Scribner-----</i> | | | | | |
| Lodgepole pine | 49,635 | 502 | 5,256 | 8,713 | 64,105 |
| Spruce ^b | 23,221 | 2,454 | 600 | 93 | 26,368 |
| Ponderosa pine | 7,146 | 71 | 199 | 1,089 | 8,505 |
| Aspen | 5,095 | 274 | 9 | 2,814 | 8,192 |
| Douglas-fir | 6,046 | 46 | 215 | 640 | 6,948 |
| True firs ^c | 1,806 | - | 95 | 400 | 2,301 |
| Other species ^d | 237 | - | - | - | 237 |
| All species | 93,185 | 3,347 | 6,375 | 13,749 | 116,656 |
| <i>-----Percentage of product by species-----</i> | | | | | |
| Lodgepole pine | 53.3 | 15.0 | 82.4 | 63.4 | 55.0 |
| Spruce ^b | 24.9 | 73.3 | 9.4 | 0.7 | 22.6 |
| Ponderosa pine | 7.7 | 2.1 | 3.1 | 7.9 | 7.3 |
| Aspen | 5.5 | 8.2 | 0.1 | 20.5 | 7.0 |
| Douglas-fir | 6.5 | 1.4 | 3.4 | 4.7 | 6.0 |
| True firs ^c | 1.9 | - | 1.5 | 2.9 | 2.0 |
| Other species ^d | 0.3 | - | - | - | 0.2 |
| All species | 79.9 | 2.9 | 5.5 | 11.8 | 100 |
| ^a Other products include furniture logs, fiber logs, viga logs, and industrial fuelwood. ^b Spruce includes Engelmann and blue spruce. ^c True firs include white and subalpine fir. ^d Other species include gambel oak, Rocky Mountain juniper, pinyon, cottonwood, and western redcedar. | | | | | |

| Table C7 -Timber product flow into and out of Colorado, 2016. | | | |
|---|-------------------------------|---------------------------------|---------------------------------|
| Timber Product | Log flow into Colorado | Log flow out of Colorado | Net inflow (net outflow) |
| <i>---Thousand board feet, Scribner---</i> | | | |
| Sawlogs | 380 | 15,646 | (15,266) |
| House logs | 225 | 476 | (251) |
| Other products ^a | 3,360 | - | 3,360 |
| All products | 3,965 | 16,122 | (12,157) |
| ^a Other products include fiber logs, post and pole logs, energywood logs, and industrial fuelwood. | | | |

| Table C8-Timber received by Colorado forest products industry by ownership class and product, 2016. | | | | | |
|--|----------------|------------------------|-------------------|-----------------------------------|---------------------|
| Ownership class | Sawlogs | Posts and poles | House logs | Other products^a | All products |
| ----- <i>Thousand board feet, Scribner</i> ----- | | | | | |
| Private and tribal timberland | 29,800 | 1,653 | 1,308 | 5,525 | 35,911 |
| <i>Private</i> | 29,800 | 1,653 | 1,248 | 5,525 | 35,851 |
| <i>Tribal</i> | - | - | 60 | - | 60 |
| Public timberland | 66,298 | 5,032 | 2,264 | 11,564 | 68,588 |
| <i>National Forest</i> | 60,471 | 4,320 | 2,264 | 10,349 | 61,734 |
| <i>State lands</i> | 2,827 | 330 | - | 928 | 4,085 |
| <i>Other public</i> | 3,000 | 382 | - | 287 | 2,769 |
| Other owners | - | - | - | - | - |
| <i>Other mills</i> | - | - | - | - | - |
| <i>Canada</i> | - | - | - | - | - |
| All owners | 96,098 | 6,685 | 3,572 | 17,089 | 104,499 |
| ----- <i>Percentage of product by owner</i> ----- | | | | | |
| Private and tribal timberland | 31.0 | 24.7 | 36.6 | 32.3 | 34.4 |
| <i>Private</i> | 31.0 | 24.7 | 34.9 | 32.3 | 34.3 |
| <i>Tribal</i> | - | - | 1.7 | - | 0.1 |
| Public timberland | 69.0 | 75.3 | 63.4 | 67.7 | 65.6 |
| <i>National Forest</i> | 62.9 | 64.6 | 63.4 | 60.6 | 59.1 |
| <i>State lands</i> | 2.9 | 4.9 | - | 5.4 | 3.9 |
| <i>Other public</i> | 3.1 | 5.7 | - | 1.7 | 2.6 |
| Other owners | - | - | - | - | - |
| <i>Other mills</i> | - | - | - | - | - |
| <i>Canada</i> | - | - | - | - | - |
| All owners | 92.0 | 6.4 | 3.4 | 16.4 | 100 |
| ^a Other products include energywood logs, fiber logs, furniture logs, and industrial fuelwood. | | | | | |

Table C9-Active Colorado primary wood products facilities by county and product, 2016.
(sources: McLain 1985; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| County | House logs and | | | Total |
|-------------------|----------------|-----------|----------------|-----------|
| | Lumber | log homes | Other products | |
| Alamosa | | | 1 | 1 |
| Arapahoe | | | 1 | 1 |
| Archuleta | 2 | | | 2 |
| Boulder | 1 | 1 | 1 | 3 |
| Conejos | 2 | | | 2 |
| Custer | 1 | | | 1 |
| Delta | 1 | | | 1 |
| Denver | | | 1 | 1 |
| Eagle | 1 | | | 1 |
| El Paso | | | | 0 |
| Fremont | 2 | | | 2 |
| Garfield | 2 | 1 | 1 | 4 |
| Grand | 2 | 1 | 3 | 6 |
| Jackson | | | 1 | 1 |
| Jefferson | | | 1 | 1 |
| La Plata | 1 | 2 | | 3 |
| Larimer | 3 | | 2 | 5 |
| Mesa | 1 | | | 1 |
| Mineral | | 1 | | 1 |
| Montezuma | 3 | | 2 | 5 |
| Montrose | 2 | 2 | | 4 |
| Park | 1 | 1 | | 2 |
| Pueblo | 1 | | | 1 |
| Rio Grande | 1 | | 1 | 2 |
| Saguache | 1 | 1 | | 2 |
| Teller | 2 | | | 2 |
| Weld | | | | 0 |
| 2016 Total | 30 | 10 | 15 | 55 |
| 2012 Total | 31 | 12 | 15 | 58 |
| 2007 Total | 30 | 19 | 15 | 64 |
| 2002 Total | 50 | 46 | 37 | 133 |
| 1982 Total | 84 | 5 | 6 | 95 |

^aOther products include excelsior, fuel pellets, posts, poles, log furniture and biomass/energy.

Table C10-Finished product sales of Colorado's primary wood products sectors, 2002, 2007, 2012 and 2016.
(source: Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Sector | 2002 | 2007 | 2012 | 2016 |
|----------------------------|---|----------------|---------------|---------------|
| | -----Thousands of 2016 dollars ^a ----- | | | |
| Sawmills | 53,895 | 51,439 | 40,656 | 47,856 |
| House logs and log homes | 36,325 | 22,223 | 14,146 | 8,440 |
| Other sectors ^b | 34,416 | 41,857 | 36,051 | 41,831 |
| Total | 124,635 | 115,520 | 90,854 | 98,127 |

^aAll sales are reported f.o.b. the manufacturer's plant.
^bOther sectors include producers of posts, poles, log furniture, fuel pellets, biomass/energy and excelsior.

Table C11-Number of Colorado sawmills and average lumber production, selected years.
 (source: McLain 1985; WWPA 1983; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Year | Number of sawmills | Average lumber production |
|------|--------------------|---------------------------|
| | | <i>MMBF^a</i> |
| 2016 | 30 | 3.7 |
| 2012 | 31 | 3.1 |
| 2007 | 30 | 3.9 |
| 2002 | 50 | 1.7 |
| 1982 | 84 | 1.4 |

^aMMBF = million board feet lumber tally

Table C12-Colorado lumber production by mill size, 2016.

| Size class ^a | Number of mills | Volume | Percentage of total | Average per mill |
|-------------------------|-----------------|------------------------|---------------------|------------------------|
| | | <i>MBF^b</i> | | <i>MBF^b</i> |
| Over 2 MMBF | 8 | 101,166 | 92 | 12,646 |
| Under 2 MMBF | 22 | 8,757 | 8 | 398 |
| Total | 30 | 109,923 | 100 | 3,664 |

^aSize class is based on reported lumber production. MMBF denotes million board feet lumber tally.
^bMBF = thousand board feet lumber tally.

Table C13-Colorado's sawmill residue factors, 2002, 2007, 2012 and 2016.
 (source: Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Type of residue | 2002 | 2007 | 2012 | 2016 |
|-----------------|---|------|------|------|
| | <i>BDU/MBF lumber tally^a</i> | | | |
| Coarse | 0.42 | 0.60 | 0.56 | 0.54 |
| Sawdust | 0.17 | 0.21 | 0.20 | 0.20 |
| Planer shavings | 0.13 | 0.09 | 0.09 | 0.08 |
| Bark | 0.29 | 0.14 | 0.15 | 0.18 |
| Total | 1.01 | 1.04 | 1.00 | 1.00 |

^aBone-dry unit (BDU = 2,400 lb oven-dry wood) of residue generated for every 1,000 board feet of lumber manufactured.

Table C14-Production and disposition of Colorado mill residues, 2016.

| Residue type | Total utilized | Pulp and board | Energy | Mulch/ bedding | Unspecified use | Unused | Total produced |
|--------------------------------------|----------------|----------------|---------------|----------------|-----------------|------------|----------------|
| | | | | | | | |
| Coarse | 68,532 | - | 27,651 | - | 40,881 | 31 | 68,563 |
| Fine | 36,876 | - | 7,900 | 26,751 | 2,225 | 22 | 36,898 |
| Sawdust | 26,805 | - | 7,900 | 16,884 | 2,021 | 12 | 26,817 |
| Planer shavings | 10,071 | - | - | 9,867 | 204 | 10 | 10,081 |
| Bark | 24,051 | - | 317 | 21,582 | 2,152 | 321 | 24,372 |
| Total | 129,459 | - | 35,868 | 48,333 | 45,258 | 374 | 129,833 |
| -----Percentage of residue type----- | | | | | | | |
| Coarse | 100.0 | - | 40.3 | - | 59.6 | 0.0 | 52.8 |
| Fine | 99.9 | - | 21.4 | 72.5 | 6.0 | 0.1 | 28.4 |
| Sawdust | 100.0 | - | 29.5 | 63.0 | 7.5 | 0.0 | 20.7 |
| Planer shavings | 99.9 | - | - | 97.9 | 2.0 | 0.1 | 7.8 |
| Bark | 98.7 | - | 1.3 | 88.6 | 8.8 | 1.3 | 18.8 |
| Total | 99.7 | - | 27.6 | 37.2 | 34.9 | 0.3 | 100 |

^aBone-dry unit = 2,400 lb oven-dry wood.

Table C15-Destination and sales value of Colorado's primary wood products and mill residues, 2016.

| Product | Other 4-Corner | | Other Rocky Mtn | | North | | | Other ^f | Total |
|---|----------------|---------------|---------------------|-----------------------|------------------------|--------------------|----------------------|--------------------|----------------|
| | Colorado | States | States ^a | Far West ^b | Northeast ^c | South ^d | Central ^e | | |
| -----Thousand 2016 dollars----- | | | | | | | | | |
| Lumber, timbers and other sawn products | 15,440 | 7,623 | 6,950 | 247 | 1,143 | 9,080 | 6,262 | - | 46,745 |
| House logs and log homes | 3,901 | 883 | 314 | 314 | 356 | 2,035 | 1,938 | - | 9,741 |
| Posts, poles, and log furniture | 5,954 | 2,373 | 1,090 | 1,038 | 455 | 886 | 598 | - | 12,394 |
| Other products ^g | 11,412 | 2,266 | 1,609 | 2,587 | 2,217 | 3,944 | 6,400 | 2,224 | 32,659 |
| Total | 36,707 | 13,145 | 9,963 | 4,186 | 4,171 | 15,945 | 15,198 | 2,224 | 101,539 |
| -----Percentage of product sales by region----- | | | | | | | | | |
| Lumber, timbers and other sawn products | 33.0 | 16.3 | 14.9 | 0.5 | 2.4 | 19.4 | 13.4 | - | 46.0 |
| House logs and log homes | 40.0 | 9.1 | 3.2 | 3.2 | 3.7 | 20.9 | 19.9 | - | 9.6 |
| Posts, poles, and log furniture | 48.0 | 19.1 | 8.8 | 8.4 | 3.7 | 7.1 | 4.8 | - | 12.2 |
| Other products ^g | 34.9 | 6.9 | 4.9 | 7.9 | 6.8 | 12.1 | 19.6 | 6.8 | 32.2 |
| Total | 36.2 | 12.9 | 9.8 | 4.1 | 4.1 | 15.7 | 15.0 | 2.2 | 100 |

^aOther Rocky Mountains includes Idaho, Montana, Nevada.
^bFar West includes Alaska, California, Hawaii, Oregon, and Washington.
^cNortheast includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
^dSouth includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
^eNorth Central includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
^fOther areas consist of products being shipped outside the U.S.
^gOther products include erosion control products, wood pellets, shavings, mulch, firewood, clean chips, and mill residues.

----- NEW MEXICO -----

Table N1-New Mexico nonreserved timberland by ownership class
(Source: U.S. Department of Agriculture, FIDO 2018).

| Ownership class | Thousand acres | Percentage of nonreserved timberland |
|--------------------|----------------|--------------------------------------|
| National Forest | 2,626 | 62 |
| Private and tribal | 1,442 | 34 |
| Other public | 166 | 4 |
| Total | 4,234 | 100 |

Table N2-New Mexico timber harvest by ownership class, 1997, 2002, 2007, 2012 and 2016.
(source: Keegan and others 2001b; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Ownership class | 1997 | | 2002 | | 2007 | | 2012 | | 2016 | |
|-------------------------------|------------------------------|------------------------|-----------------|------------------------|-----------------|------------------------|-----------------|------------------------|-----------------|------------------------|
| | MBF ^a Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total |
| Private and tribal timberland | 85,903 | 88.0 | 64,201 | 86.3 | 33,001 | 83.0 | 14,496 | 50.3 | 10,514 | 39.8 |
| <i>Private</i> | 61,853 | 63.4 | 36,821 | 49.5 | 14,971 | 37.6 | 7,965 | 27.6 | 5,663 | 21.5 |
| <i>Tribal</i> | 24,050 | 24.6 | 27,380 | 36.8 | 18,030 | 45.3 | 6,531 | 22.6 | 4,851 | 18.4 |
| Public timberland | 11,723 | 12.0 | 10,160 | 13.7 | 6,769 | 17.0 | 14,343 | 49.7 | 15,871 | 60.2 |
| <i>National Forest</i> | 11,723 | 12.0 | 10,160 | 13.7 | 5,644 | 14.2 | 14,343 | 49.7 | 15,871 | 60.2 |
| <i>State timberland</i> | - | - | - | - | 1,125 | 2.8 | - | - | - | - |
| All owners | 97,626 | 100 | 74,361 | 100 | 39,770 | 100 | 28,839 | 100 | 26,385 | 100 |

^a MBF=thousand board feet

Table N3-New Mexico timber products harvested by ownership class, 2016.

| Ownership class | Sawlogs | Vigas | House logs | Other products ^a | All products |
|--|---------|-------|------------|-----------------------------|--------------|
| -----Thousand of board feet, Scribner----- | | | | | |
| National Forest | 13,897 | 345 | 161 | 1,468 | 15,871 |
| Private timberland | 2,387 | 232 | 23 | 3,021 | 5,663 |
| Tribal timberland | 3,377 | 752 | - | 722 | 4,851 |
| State timberland | - | - | - | - | - |
| All owners | 19,661 | 1,329 | 184 | 5,211 | 26,385 |
| -----Percentage of harvested product by ownership----- | | | | | |
| National Forest | 70.7 | 26.0 | 87.5 | 28.2 | 60.2 |
| Private timberland | 12.1 | 17.5 | 12.5 | 58.0 | 21.5 |
| Tribal timberland | 17.2 | 56.6 | - | 13.9 | 18.4 |
| State timberland | - | - | - | - | - |
| All owners | 74.5 | 5.0 | 0.7 | 19.7 | 100 |

^aOther products include posts, poles, furniture logs, fiber logs, and industrial fuelwood.

Table N4-New Mexico timber harvest by county, selected years.
 (sources: Setzer and Wilson 1970; McLain 1989; Keegan and others 2001b; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| County | 1966 | 1986 | 1997 | 2002 | 2007 | 2012 | 2016 | 1966 | 1986 | 1997 | 2002 | 2007 | 2012 | 2016 |
|--------------------------|---------------------|----------------|---------------|---------------|---------------|---------------|---------------|-------------------|------------|------------|------------|------------|------------|------------|
| | <i>MBF Scribner</i> | | | | | | | <i>Percentage</i> | | | | | | |
| Bernalillo | 691 | - | 490 | 100 | - | - | 47 | 0.3 | - | 0.5 | 0.1 | - | - | - |
| Catron | 25,588 | 29,494 | 2,973 | 250 | 1,500 | 3,009 | 2,573 | 10.6 | 17.7 | 3.0 | 0.3 | 3.8 | 10.4 | 9.8 |
| Cibola | - | 13,857 | 7,973 | 15 | - | 1,523 | 4,416 | - | 8.3 | 8.2 | a | - | 5.3 | 16.7 |
| Colfax | 32,853 | 4,000 | 18,450 | 3,777 | 9,423 | 4,030 | 3,036 | 13.6 | 2.4 | 18.9 | 5.1 | 23.7 | 14.0 | 11.5 |
| Eddy | - | 548 | - | - | - | - | 161 | - | 0.3 | - | - | - | - | 0.6 |
| Grant | 538 | 663 | - | - | 279 | 646 | - | 0.2 | 0.4 | - | - | 0.7 | 2.2 | - |
| Lincoln | - | 1,450 | 198 | - | 1,800 | 5,495 | 1,637 | - | 0.9 | 0.2 | - | 4.5 | 19.1 | 6.2 |
| Los Alamos | 54 | - | - | - | - | - | 250 | a | - | - | - | - | - | 0.9 |
| McKinley | 36,692 | - | 2,000 | - | - | - | - | 15.1 | - | 2.0 | - | - | - | - |
| Mora | 957 | 3,830 | 2,040 | 10,864 | 215 | 224 | 50 | 0.4 | 2.3 | 2.1 | 14.6 | 0.5 | 0.8 | 0.2 |
| Otero | 17,335 | 16,982 | 36,866 | 30,825 | 18,835 | 5,121 | 2,394 | 7.2 | 10.2 | 37.8 | 41.5 | 47.4 | 17.8 | 9.1 |
| Rio Arriba | 37,156 | 69,367 | 17,107 | 17,869 | 1,733 | 4,472 | 4,605 | 15.3 | 41.7 | 17.5 | 24.0 | 4.4 | 15.5 | 17.5 |
| San Juan | - | 8,159 | 500 | - | - | - | - | - | 4.9 | 0.5 | - | - | - | - |
| San Miguel | 9,140 | 2,075 | 2,259 | 8,100 | 795 | 365 | 1,393 | 3.8 | 1.2 | 2.3 | 10.9 | 2.0 | 1.3 | 5.3 |
| Sandoval | 66,619 | 5,932 | 4,360 | 1,200 | 2,190 | 1,849 | 2,692 | 27.5 | 3.6 | 4.5 | 1.6 | 5.5 | 6.4 | 10.2 |
| Santa Fe | - | 2,865 | - | 670 | 1,000 | 601 | 129 | - | 1.7 | - | 0.9 | 2.5 | 2.1 | 0.5 |
| Sierra | - | - | - | - | - | - | 283 | - | - | - | - | - | - | 1.1 |
| Socorro | 2,739 | - | 1,025 | 220 | - | - | 1,649 | 1.1 | - | 1.0 | 0.3 | - | - | 6.2 |
| Taos | 6,767 | 7,066 | 1,245 | 175 | 2,000 | 1,506 | 795 | 2.8 | 4.2 | 1.3 | 0.2 | 5.0 | 5.2 | 3.0 |
| Torrance | - | - | 120 | 175 | - | - | 275 | - | - | 0.1 | 0.2 | - | - | 1.0 |
| Valencia | 4,548 | - | 20 | 120 | - | - | - | 1.9 | - | a | 0.2 | - | - | - |
| Total^b | 242,313 | 166,342 | 97,626 | 74,361 | 39,770 | 28,839 | 26,385 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

^aLess than 0.05 percent.
^bPercentage detail may not sum to 100% due to rounding.

Table N5-New Mexico timber harvest by species, selected years.
 (sources: Setzer and Wilson 1970; McLain 1989; Keegan and others 2001b; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Species | 1966 | 1986 | 1997 | 2002 | 2007 | 2012 | 2016 |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|
| <i>Percentage of harvest</i> | | | | | | | |
| Ponderosa pine | 49 | 68 | 57 | 50 | 47 | 54 | 65 |
| True firs ^b | 5 | 9 | 11 | 16 | 17 | 8 | 12 |
| Douglas-fir | 17 | 16 | 26 | 22 | 25 | 19 | 11 |
| Other species ^a | 15 | 4 | < 0.5 | 2 | 8 | 15 | 9 |
| Engelmann spruce | 14 | 3 | 7 | 10 | 3 | 4 | 3 |
| All species | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

^aOther species include aspen, lodgepole pine, and southwestern white pine.
^bTrue firs include white and subalpine fir.

Table N6-New Mexico timber harvest by species and product, 2016.

| Species | Sawlogs | Vigas | House | Other | All |
|---|---------|-------|-------|-----------------------|----------|
| | | | logs | products ^a | products |
| ----- <i>Thousand of board feet, Scribner</i> ----- | | | | | |
| Ponderosa pine | 14,221 | 1,175 | 67 | 1,747 | 17,210 |
| White and subalpine fir | 2,293 | 19 | 97 | 673 | 3,082 |
| Douglas-fir | 2,258 | 107 | - | 648 | 3,013 |
| Other species ^b | 207 | - | - | 2,076 | 2,283 |
| Engelmann spruce | 661 | 29 | 20 | 67 | 777 |
| Lodgepole pine | 20 | - | - | - | 20 |
| All species | 19,660 | 1,330 | 184 | 5,211 | 26,385 |
| ----- <i>Percentage of product by species</i> ----- | | | | | |
| Ponderosa pine | 72.3 | 88.3 | 36.4 | 33.5 | 65.2 |
| White and subalpine fir | 11.7 | 1.4 | 52.7 | 12.9 | 11.7 |
| Douglas-fir | 11.5 | 8.0 | - | 12.4 | 11.4 |
| Other species ^b | 1.1 | - | - | 39.8 | 8.7 |
| Engelmann spruce | 3.4 | 2.2 | 10.9 | 1.3 | 2.9 |
| Lodgepole pine | 0.1 | - | - | - | 0.1 |
| All species | 74.5 | 5.0 | 0.7 | 19.7 | 100 |

^aOther products include posts, poles, furniture logs, fiber logs, and industrial fuelwood.
^bOther species include alligator juniper, Southwestern white pine, and Aspen.

Table N7-Timber product flow into and out of New Mexico, 2016.

| Timber Product | Log flow into | Log flow out of | Net inflow |
|--|---------------|-----------------|---------------|
| | New Mexico | New Mexico | (net outflow) |
| ----- <i>Thousand board feet, Scribner</i> ----- | | | |
| Sawlogs | 3,453 | 1,247 | 2,206 |
| House logs | 0 | 15 | (15) |
| Other products ^a | 476 | 1,961 | (1,485) |
| All products | 3,929 | 3,223 | 706 |

^aOther products include vigas, furniture logs, fiber logs, and industrial fuelwood.

Table N8-Ownership of timber products received by New Mexico mills, 1997, 2002, 2007, 2012 and 2016.
(sources: Keegan and others 2001b; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Ownership class | 1997 | | 2002 | | 2007 | | 2012 | | 2016 | |
|-------------------------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|
| | MBF | Percentage | MBF | Percentage | MBF | Percentage | MBF | Percentage | MBF | Percentage |
| | Scribner | of total | Scribner | of total | Scribner | of total | Scribner | of total | Scribner | of total |
| Private and tribal timberland | 82,238 | 90.6 | 58,698 | 85.2 | 30,023 | 79.2 | 12,763 | 55.7 | 8,820 | 32.6 |
| Private | 57,788 | 63.6 | 31,318 | 45.5 | 11,993 | 31.6 | 6,531 | 28.5 | 3,969 | 14.7 |
| Tribal | 24,450 | 26.9 | 27,380 | 39.8 | 18,030 | 47.6 | 6,232 | 27.2 | 4,851 | 17.9 |
| National Forests | 8,562 | 9.4 | 10,160 | 14.8 | 6,769 | 17.9 | 10,103 | 44.1 | 18,271 | 67.4 |
| State Lands | - | - | - | - | 1,125 | 3.0 | 68 | 0.3 | - | - |
| All owners | 90,800 | 100 | 68,858 | 100 | 37,917 | 100 | 22,934 | 100 | 27,091 | 100 |

Table N9-Timber received by New Mexico forest products industry by ownership class and product, 2016.

| Ownership class | Sawlogs | Vigas | Other | All products |
|---|---------|-------|-----------------------|--------------|
| | | | products ^a | |
| ----- <i>Thousand of board feet, Scribner</i> ----- | | | | |
| National Forest | 16,142 | 345 | 1,784 | 18,271 |
| Tribal timberland | 3,376 | 752 | 722 | 4,851 |
| Private timberland | 2,348 | 232 | 1,389 | 3,969 |
| State lands | - | - | - | - |
| All owners | 21,866 | 1,329 | 3,896 | 27,091 |
| ----- <i>Percentage of product by owner</i> ----- | | | | |
| National Forest | 73.8 | 26.0 | 45.8 | 67.4 |
| Tribal timberland | 15.4 | 56.6 | 18.5 | 17.9 |
| Private timberland | 10.7 | 17.5 | 35.7 | 17.8 |
| State lands | - | - | - | - |
| All owners | 80.7 | 4.9 | 14.4 | 100 |

^aOther products include house logs, posts, poles, fiber logs, and industrial fuelwood.

Table N10-Active New Mexico primary wood products facilities by county and product, 2016.
(sources: McLain 1989; Keegan and others 2001b; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| County | Vigas and | | | Total |
|-------------------|-----------|----------|--------------------|-----------|
| | Lumber | latillas | Other ^a | |
| Bernalillo | | 1 | 1 | 2 |
| Catron | 1 | | | 1 |
| Cibola | 1 | | 1 | 2 |
| Colfax | 1 | | 4 | 5 |
| Grant | | | | 0 |
| Lincoln | 1 | | | 1 |
| Mora | 1 | | | 1 |
| Otero | 4 | | 3 | 7 |
| Rio Arriba | 2 | | | 2 |
| San Miguel | 3 | 1 | | 4 |
| Sandoval | 2 | | | 2 |
| Santa Fe | 2 | 1 | | 3 |
| Taos | 1 | 1 | | 2 |
| 2016 Total | 19 | 4 | 9 | 32 |
| 2012 Total | 17 | 5 | 6 | 28 |
| 2007 Total | 12 | 5 | 7 | 24 |
| 2002 Total | 21 | 8 | 7 | 36 |
| 1997 Total | 22 | 15 | 7 | 44 |
| 1986 Total | 26 | 5-10 | 10 | 41-46 |

^aOther products include posts, poles, house logs, firewood, pellets, shavings, erosion control products and bark products.

Table N11-Finished product sales of New Mexico's primary wood products, selected years.
(sources: McLain 1989; Miller Freeman, Inc. 1998; Keegan and others 2001b; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Product | 1986 | 1997 | 2002 | 2007 | 2012 | 2016 |
|-----------------------------|---------------------------------|--------|--------|--------|--------|--------|
| | -----Thousand 2016 dollars----- | | | | | |
| Lumber and sawn products | 131,195 | 60,666 | 44,471 | 14,408 | 11,201 | 11,552 |
| Vigas and latillas | 5,085 | 14,338 | 5,967 | 3,596 | 3,883 | 2,604 |
| Other products ^a | 6,356 | 6,560 | 10,054 | 11,537 | 23,713 | 15,487 |
| Total ^b | 142,637 | 81,563 | 60,492 | 29,540 | 38,797 | 29,643 |

^aOther products include posts, poles, log homes, log furniture, pellets and bark products.

^bAll sales are reported f.o.b. the manufacturer's plant.

Table N12-New Mexico sawmills by production size class, selected years. (sources: Setzer and Wilson 1970; McLain 1989; Keegan and others 2001b; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Year | Under 10 MMBF ^a | Over 10 MMBF ^a | Total |
|------|-----------------------------------|---------------------------|----------------------------|
| | -----Number of Sawmills----- | | |
| 2016 | 19 | c | 19 |
| 2012 | 17 | c | 17 |
| 2007 | 12 | c | 12 |
| 2002 | 18 | 3 | 21 |
| 1997 | 18 | 4 | 22 |
| 1986 | 17 | 9 | 26 |
| 1966 | 58 | 6 | 64 |
| 1962 | 85 | c | 85 |
| 1960 | 117 | c | 117 |
| | ---Percentage of lumber output--- | | Volume (MBF ^b) |
| 2016 | 100 | c | |
| 2012 | 100 | c | 24,450 |
| 2007 | 100 | c | 39,823 |
| 2002 | 12 | 88 | 81,515 |
| 1997 | 10 | 90 | 108,675 |
| 1986 | 12 | 88 | 232,000 |
| 1966 | 38 | 62 | 262,848 |
| 1962 | 100 | c | 242,500 |
| 1960 | 100 | c | 224,400 |

^aSize class is based on reported lumber production. MMBF denotes million board feet lumber tally.

^bMBF = thousand board feet lumber tally.

^cIn 1960, 1962, 2007, 2012 and 2016 all mills were included in <10 MMBF to avoid disclosing individual operations.

Table N13-Number of New Mexico sawmills and average lumber production, selected years
(sources: McLain 1989; Setzer and Wilson 1970; Keegan and others 2001b; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Year | Number of sawmills | Average production per mill MMBF ^a |
|------|--------------------|--|
| 2016 | 19 | 1.3 |
| 2012 | 17 | 1.4 |
| 2007 | 12 | 3.3 |
| 2002 | 21 | 3.9 |
| 1997 | 22 | 4.9 |
| 1986 | 25 | 9.2 |
| 1966 | 64 | 4.1 |
| 1962 | 85 | 2.9 |
| 1960 | 117 | 1.9 |

^aMMBF = million board feet lumber tally.

Table N14-New Mexico lumber production by mill size, 2016.

| Size class ^a | Number of mills | Volume MBF ^b | Percentage of total | Average per mill MBF ^b |
|-------------------------|-----------------|----------------------------|---------------------|--------------------------------------|
| Over 1 MMBF | 6 | 19,376 | 81 | 3,229 |
| Under 1 MMBF | 13 | 4,593 | 19 | 353 |
| Total | 19 | 23,969 | 100 | 1,262 |

^aSize class is based on reported lumber production. MMBF denotes million board feet lumber tally.
^bMBF = thousand board feet lumber tally.

Table N15-Production and disposition of New Mexico mill residues, 2016.

| Residue type | Total utilized | Pulp and board | Energy | Mulch/ bedding | Unspecified use | Unused | Total Produced |
|-----------------------------------|----------------|----------------|--------|----------------|-----------------|--------|----------------|
| <i>Bone-dry units^a</i> | | | | | | | |
| Coarse | 16,271 | - | 5,677 | - | 10,594 | - | 16,271 |
| Fine | 9,252 | - | - | 4,309 | 4,943 | 1 | 9,253 |
| Sawdust | 5,539 | - | - | 3,231 | 2,308 | - | 5,539 |
| Planer shavings | 3,713 | - | - | 1,078 | 2,635 | 1 | 3,714 |
| Bark | 8,907 | - | 1,730 | 7,042 | 135 | 128 | 9,035 |
| Total | 34,430 | - | 7,407 | 11,351 | 15,672 | 129 | 34,559 |
| <i>Percentage of residue type</i> | | | | | | | |
| Coarse | 100.0 | - | 34.9 | - | 65.1 | - | 47.1 |
| Fine | 100.0 | - | - | 46.6 | 53.4 | 0.0 | 26.8 |
| Sawdust | 100.0 | - | - | 58.3 | 41.7 | - | 16.0 |
| Planer shavings | 100.0 | - | - | 29.0 | 70.9 | 0.0 | 10.7 |
| Bark | 98.6 | - | 19.1 | 77.9 | 1.5 | 0.4 | 26.1 |
| Total | 99.6 | - | 21.4 | 32.8 | 45.3 | 0.4 | 100 |

^aBone-dry unit = 2,400 lb oven-dry wood.

Table N16-New Mexico sawmill residue factors, 1997, 2002, 2007, 2012 and 2016.
(source: Keegan and others 2001b; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Type of Residue | 1997 | 2002 | 2007 | 2012 | 2016 |
|---|------|------|------|------|------|
| <i>BDU/MBF lumber tally^a</i> | | | | | |
| Coarse | 0.52 | 0.56 | 0.58 | 0.58 | 0.53 |
| Sawdust | 0.29 | 0.20 | 0.17 | 0.20 | 0.22 |
| Planer shavings | 0.18 | 0.15 | 0.06 | 0.09 | 0.04 |
| Bark | 0.23 | 0.21 | 0.22 | 0.24 | 0.25 |
| Total | 1.22 | 1.12 | 1.03 | 1.11 | 1.04 |

^aBone-dry unit (BDU = 2,400 lb oven-dry wood) of residue generated for every 1,000 board feet of lumber manufactured.

| Table N17-Destination and sales value of New Mexico's primary wood products and mill residues, 2016. | | | | | | | | | |
|--|------------|-----------------------|-------------------------------------|-----------------------|------------------------|--------------------|----------------------|--------------------|--------|
| Product | New Mexico | Other 4-Corner States | Other Rocky Mtn States ^a | Far West ^b | Northeast ^c | South ^d | North | | Total |
| | | | | | | | Central ^e | Other ^f | |
| -----Thousand 2016 dollars----- | | | | | | | | | |
| Lumber, timbers and other | | | | | | | | | |
| sawn products | 5,234 | 1,179 | 317 | 173 | 38 | 2,083 | 38 | 2,990 | 12,052 |
| Vigas and latillas | 2,082 | 236 | 190 | - | - | 96 | - | - | 2,604 |
| Other products ^g | 12,485 | 1,184 | 1,977 | 19 | 5 | 1,722 | 5 | 729 | 18,126 |
| Total | 19,801 | 2,599 | 2,484 | 192 | 43 | 3,901 | 43 | 3,719 | 32,782 |
| -----Percentage of product sales by region----- | | | | | | | | | |
| Lumber, timbers and other | | | | | | | | | |
| sawn products | 43.4 | 9.8 | 2.6 | 1.4 | 0.3 | 17.3 | 0.3 | 24.8 | 36.8 |
| Vigas and latillas | 80.0 | 9.1 | 7.3 | - | - | 3.7 | - | - | 7.9 |
| Other products ^g | 68.9 | 6.5 | 10.9 | 0.1 | 0.0 | 9.5 | 0.0 | 4.0 | 55.3 |
| Total | 60.4 | 7.9 | 7.6 | 0.6 | 0.1 | 11.9 | 0.1 | 11.3 | 100 |
| ^a Other Rocky Mountains includes Idaho, Montana, Nevada. ^b Far West includes Alaska, California, Hawaii, Oregon, and Washington. ^c Northeast includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont. ^d South includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. ^e North Central includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. ^f Other areas consist of products being shipped outside the U.S. ^g Other products include mulch, shavings, posts, poles, utility poles, log homes, firewood, fuel pellets, and mill residues. | | | | | | | | | |

----- UTAH -----

Table U1-Utah nonreserved timberland by ownership class.
(Source: U.S. Department of Agriculture, FIDO 2016).

| Ownership class | Thousand acres | Percentage of nonreserved timberland |
|--------------------|----------------|--------------------------------------|
| National Forest | 2,765 | 75 |
| Private and tribal | 600 | 16 |
| Other public | 317 | 9 |
| Total | 3,682 | 100 |

Table U2-Utah timber harvest by ownership class, 1992, 2002, 2007, 2012 and 2016.
(source: Keegan and others 1995; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Ownership class | 1992 | | 2002 | | 2007 | | 2012 | | 2016 | |
|---------------------------------|---------------------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|
| | MBF ^a Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total |
| Private and tribal timberland | 11,385 | 17.6 | 16,282 | 39.5 | 11,669 | 38.5 | 6,292 | 32.5 | 3,581 | 14.4 |
| Public timberland | 53,289 | 82.4 | 24,987 | 60.5 | 18,652 | 61.5 | 13,064 | 67.5 | 21,297 | 85.6 |
| <i>National Forest</i> | 49,989 | 77.3 | 23,776 | 57.6 | 15,490 | 51.1 | 10,117 | 52.3 | 19,848 | 79.8 |
| <i>Other Public^b</i> | 3,300 | 5.1 | 1,211 | 2.9 | 3,162 | 10.4 | 2,947 | 15.2 | 1,449 | 5.8 |
| All owners | 64,674 | 100 | 41,269 | 100 | 30,321 | 100 | 19,356 | 100 | 24,878 | 100 |

^a MBF=thousand board feet
^b Other public ownership includes BLM and state

Table U3-Utah timber products harvested by ownership class, 2016.

| Ownership class | Sawlogs | House logs | Other | All products |
|---|---------|------------|-----------------------|--------------|
| | | | products ^a | |
| -----Thousand board feet, Scribner----- | | | | |
| National Forests | 14,340 | 2,561 | 2,947 | 19,848 |
| Private and tribal timberland | 2,881 | 550 | 150 | 3,581 |
| Other public ^b | 675 | - | 774 | 1,449 |
| All owners | 17,896 | 3,111 | 3,871 | 24,878 |
| ----Percentage of harvested product by ownership--- | | | | |
| National Forests | 80.1 | 82.3 | 76.1 | 79.8 |
| Private and tribal timberland | 16.1 | 17.7 | 3.9 | 14.4 |
| Other public ^b | 3.8 | - | 20.0 | 5.8 |
| All owners | 71.9 | 12.5 | 15.6 | 100 |

^aOther products include industrial fuelwood, furniture logs, fiber logs, posts, and poles.
^bOther public ownership includes BLM and state.

Table U4-Utah timber harvest by county, selected years.
(sources: Setzer and Throssell 1977b; Keegan and others 1995; Morgan and others 2006; Hayes and others 2012).

| County | 1974 | 1992 | 2002 | 2007 | 2012 | 2016 | 1974 | 1992 | 2002 | 2007 | 2012 | 2016 |
|------------|---------------------------------|--------|--------|--------|--------|--------|-------------------------------|------|------|------|------|------|
| | ----- <i>MBF Scribner</i> ----- | | | | | | ----- <i>Percentage</i> ----- | | | | | |
| Beaver | 155 | 2,952 | 633 | 468 | 200 | 290 | 0.2 | 4.6 | 1.5 | 1.5 | 1.0 | 1.2 |
| Cache | 1,389 | 175 | 1,180 | 1,150 | - | - | 2.2 | 0.3 | 2.9 | 3.8 | - | - |
| Carbon | 260 | 100 | 1,670 | 1,564 | 1,480 | 213 | 0.4 | 0.2 | 4.0 | 5.2 | 7.6 | 0.9 |
| Daggett | 3,193 | 2,850 | 375 | - | 25 | 103 | 5.1 | 4.4 | 0.9 | - | a | 0.4 |
| Davis | - | - | 135 | - | - | - | - | - | 0.3 | - | - | - |
| Duchesne | 2,539 | 1,767 | 3,469 | 1,793 | 515 | 1,301 | 4.1 | 2.7 | 8.4 | 5.9 | 2.7 | 5.2 |
| Emery | 250 | - | 45 | 284 | 1,500 | 1,778 | 0.4 | - | 0.1 | 0.9 | 7.7 | 7.1 |
| Garfield | 8,502 | 7,047 | 3,446 | 3,141 | 965 | 840 | 13.6 | 10.9 | 8.4 | 10.4 | 5.0 | 3.4 |
| Grand | 5,000 | - | 20 | 1,925 | - | 5 | 8.0 | - | a | 6.3 | - | 0.0 |
| Iron | - | 1,435 | 773 | 1,554 | 200 | 718 | - | 2.2 | 1.9 | 5.1 | 1.0 | 2.9 |
| Juab | - | - | 1 | - | - | - | - | - | 0.0 | - | - | - |
| Kane | 6,480 | 4,117 | 5,520 | 60 | - | 3,192 | 10.4 | 6.4 | 13.4 | 0.2 | - | 12.8 |
| Millard | 30 | - | 342 | - | - | 144 | a | - | 0.8 | - | - | 0.6 |
| Morgan | 11 | 25 | 250 | 150 | 100 | 60 | a | a | 0.6 | 0.5 | 0.5 | 0.2 |
| Piute | 440 | 620 | 3,288 | 500 | - | - | 0.7 | 1.0 | 8.0 | 1.6 | - | - |
| Rich | 2,159 | - | 3,000 | - | 1,500 | 808 | 3.5 | - | 7.3 | - | 7.7 | 3.2 |
| Salt Lake | - | - | 65 | 59 | 74 | 253 | - | - | 0.2 | 0.2 | 0.4 | 1.0 |
| San Juan | 5,000 | 4,503 | 1,444 | 1,865 | 1,400 | 1,400 | 8.0 | 7.0 | 3.5 | 6.2 | 7.2 | 5.6 |
| Sanpete | 520 | 3,750 | 2,468 | 3,800 | 1,500 | 1,875 | 0.8 | 5.8 | 6.0 | 12.5 | 7.7 | 7.5 |
| Sevier | 715 | 3,663 | 1,703 | 1,483 | 155 | 1,707 | 1.1 | 5.7 | 4.1 | 4.9 | 0.8 | 6.9 |
| Summit | 5,589 | 10,000 | 4,107 | 2,700 | 6,430 | 7,258 | 8.9 | 15.5 | 10.0 | 8.9 | 33.2 | 29.2 |
| Uintah | 14,652 | 16,624 | 2,715 | 1,398 | 2,300 | 539 | 23.5 | 25.7 | 6.6 | 4.6 | 11.9 | 2.2 |
| Utah | 20 | - | 323 | 793 | - | 546 | a | - | 0.8 | 2.6 | - | 2.2 |
| Wasatch | 1,606 | 2,908 | 3,750 | 4,300 | 1,012 | 1,333 | 2.6 | 4.5 | 9.1 | 14.2 | 5.2 | 5.4 |
| Washington | - | - | 375 | 1,334 | - | 224 | - | - | 0.9 | 4.4 | - | 0.9 |
| Wayne | 3,905 | 2,110 | 110 | - | - | 292 | 6.3 | 3.3 | 0.3 | - | - | 1.2 |
| Weber | 50 | 20 | 60 | - | - | - | 0.1 | a | 0.1 | - | - | - |
| Total | 62,465 | 64,666 | 41,268 | 30,321 | 19,356 | 24,878 | 100 | 100 | 100 | 100 | 100 | 100 |

^aLess than 0.05 percent.

Table U5-Proportion of Utah timber harvest by species, selected years.
(sources: Setzer and Wilson 1970; Setzer 1971c; Setzer and Throssell 1977b; Keegan and others 1995; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Species | 1966 | 1969 | 1974 | 1992 | 2002 | 2007 | 2012 | 2016 |
|----------------------------|--|--------------|------|--------------|--------------|--------------|------|------|
| | ----- <i>Percentage of harvest</i> ----- | | | | | | | |
| Spruces | 19 | 13 | 22 | 35 | 44 | 42 | 31 | 31 |
| Ponderosa pine | 50 | 43 | 33 | 5 | 13 | 3 | 4 | 25 |
| Lodgepole pine | 18 | 18 | 27 | 46 | 23 | 13 | 41 | 22 |
| Douglas-fir | 3 | 11 | 8 | 4 | 8 | 11 | 11 | 15 |
| Aspen and cottonwood | ^c | ^c | 4 | 5 | 10 | 29 | 10 | 6 |
| True firs ^a | 4 | 7 | 3 | 5 | 2 | 2 | 2 | 1 |
| Other species ^b | 6 | 8 | 3 | ^c | ^c | ^c | 1 | 0 |
| All species | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

^aTrue firs include white, subalpine, and corkbark fir.
^bOther species include juniper and western white pine.
^cLess than 0.5 percent

Table U6-Utah timber harvest by species and product, 2016.

| Species | Sawlogs | House | Other | All products |
|--|---------|-------|-----------------------|--------------|
| | | logs | products ^c | |
| -----Thousand board feet, Scribner----- | | | | |
| Spruces | 5,022 | 2,678 | 102 | 7,803 |
| Ponderosa pine | 4,166 | 5 | 2,114 | 6,285 |
| Lodgepole pine | 4,831 | 301 | 257 | 5,389 |
| Douglas-fir | 3,618 | 73 | 84 | 3,776 |
| Aspen and cottonwood | 102 | 8 | 1,299 | 1,409 |
| True firs ^a | 151 | 46 | 9 | 207 |
| Other species ^b | 6 | 0 | 5 | 11 |
| All species | 17,896 | 3,111 | 3,871 | 24,878 |
| -----Percentage of product by species----- | | | | |
| Spruces | 28.1 | 86.1 | 2.6 | 31.4 |
| Ponderosa pine | 23.3 | 0.2 | 54.6 | 25.3 |
| Lodgepole pine | 27.0 | 9.7 | 6.6 | 21.7 |
| Douglas-fir | 20.2 | 2.4 | 2.2 | 15.2 |
| Aspen and cottonwood | 0.6 | 0.2 | 33.6 | 5.7 |
| True firs ^a | 0.8 | 1.5 | 0.2 | 0.8 |
| Other species ^b | 0.0 | d | d | 0.0 |
| All species | 71.9 | 12.5 | 15.6 | 100 |

^aTrue firs include white, subalpine, and corkbark fir.
^bOther species include juniper, western white pine and hardwoods.
^cOther products include industrial fuelwood, furniture logs, fiber logs, posts, and poles.
^dLess than 0.1 percent

Table U7- Timber product flow into and out of Utah, 2016.

| Timber Product | Log flow into Utah | Log flow out of Utah | Net inflow (net outflow) |
|-------------------------------------|--------------------|----------------------|--------------------------|
| ---Thousand board feet, Scribner--- | | | |
| Sawlogs | - | 7,841 | (7,841) |
| House logs | - | 839 | (839) |
| Other products ^a | 17 | 3,484 | (3,467) |
| All products | 17 | 12,164 | (12,147) |

^aOther products include industrial fuelwood, furniture logs, fiber logs, posts, and poles.

Table U8-Ownership of timber products received by Utah mills, 1992, 2002, 2007, 2012 and 2016.
(sources: Keegan and others 1995; Morgan and others 2006; Hayes and other 2012; Sorenson and others 2016).

| Ownership class | 1992 | | 2002 | | 2007 | | 2012 | | 2016 | |
|---------------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|
| | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total | MBF Scribner | Percentage of total |
| Private timberland | 11,341 | 19.3 | 9,241 | 28.4 | 11,587 | 42.2 | 5,177 | 45.1 | 3,333 | 26.2 |
| Public timberland | 46,927 | 79.9 | 23,245 | 71.5 | 15,732 | 57.3 | 6,264 | 54.5 | 9,217 | 72.4 |
| National Forest | 46,595 | 79.3 | 21,898 | 67.3 | 15,502 | 56.4 | 6,034 | 52.5 | 8,542 | 67.1 |
| State lands | 332 | 0.6 | 1,346 | 4.1 | 230 | 0.8 | 230 | 2.0 | 675 | 5.3 |
| Other owners ^a | 485 | 0.8 | 33 | 0.1 | 152 | 0.6 | 47 | 0.4 | 181 | 1.4 |
| All owners | 58,753 | 100 | 32,518 | 100 | 27,470 | 100 | 11,488 | 100 | 12,731 | 100 |

^aOther owners include the BLM, Canada, and (for 1992) unknown owners.

Table U9-Timber received by Utah forest products industry by ownership class and product, 2016.

| Ownership Class | Sawlogs | House logs | Other | All |
|--|---------------|--------------|-----------------------|---------------|
| | | | products ^b | products |
| -----Thousand board feet, Scribner----- | | | | |
| Private timberland | 2,841 | 475 | 17 | 3,333 |
| Public timberland | 7,214 | 1,797 | 206 | 9,217 |
| <i>National forest</i> | 6,539 | 1,797 | 206 | 8,542 |
| <i>State lands</i> | 675 | - | - | 675 |
| Other owners ^a | - | - | 181 | 181 |
| All owners | 10,055 | 2,272 | 404 | 12,731 |
| -----Percentage of product by owner----- | | | | |
| Private and tribal timberland | 28.3 | 20.9 | 4.2 | 26.2 |
| Public timberland | 71.7 | 79.1 | 51.0 | 72.4 |
| <i>National forest</i> | 65.0 | 79.1 | 51.0 | 67.1 |
| <i>State lands</i> | 6.7 | - | - | 5.3 |
| Other owners ^a | - | - | 44.8 | 1.4 |
| All owners | 79.0 | 17.8 | 3.2 | 100 |

^aOther owners include the BLM and Canada.
^bOther products include furniture logs, fiber logs, posts and poles.

Table U10-Active Utah primary wood products facilities by county and product, 2016.
 (sources: Keegan and others 1995; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| County | Log homes and | | Log furniture and | Total |
|-------------------|---------------|------------|-----------------------------|-----------|
| | Lumber | house logs | other products ^a | |
| Beaver | 1 | | | 1 |
| Cache | | | 1 | 1 |
| Duchesne | 2 | | | 2 |
| Iron | 1 | | | 1 |
| Morgan | 1 | | | 1 |
| Rich | 1 | | | 1 |
| Salt Lake | 1 | | 2 | 3 |
| Sanpete | | 1 | | 1 |
| Summit | 2 | | | 2 |
| Uintah | | 3 | | 3 |
| Wasatch | | 1 | | 1 |
| Weber | | 1 | | 1 |
| 2016 Total | 9 | 6 | 3 | 18 |
| 2012 Total | 8 | 7 | 3 | 18 |
| 2007 Total | 12 | 10 | 5 | 27 |
| 2002 Total | 23 | 14 | 12 | 49 |
| 1992 Total | 34 | 13 | 4 | 51 |

^aOther products include posts, poles, and bark products.

Table U11-Finished product sales of Utah's primary wood products sectors, 1992, 2002, 2007, 2012, and 2016.
 (sources: Keegan and others 1995; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Sector | 1992 | 2002 | 2007 | 2012 | 2016 |
|--|---------------|---------------|---------------|---------------|---------------|
| -----Thousands of 2016 dollars----- | | | | | |
| Sawmills | 31,266 | 16,699 | 9,263 | 3,600 | 3,009 |
| Log Homes and other sectors ^a | 11,633 | 27,737 | 21,939 | 12,222 | 16,688 |
| Total^b | 42,899 | 44,435 | 31,201 | 15,822 | 19,697 |

^aOther sectors include producers of posts, poles, and log furniture. Mill residues, firewood, mulch, and bark products not included for comparison to previous years.
^bAll sales are reported f.o.b. the manufacturer's plant.

Table U12-Utah sawmills by production size class, selected years.
 (sources: Setzer and Wilson 1970; Keegan and others 1995; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Year | Under 1 MMBF ^a | Over 1 MMBF ^a | Total |
|--|---------------------------|--------------------------|--------|
| -----Number of sawmills----- | | | |
| 2016 | 6 | 3 | 9 |
| 2012 | 4 | 4 | 8 |
| 2007 | 7 | 5 | 12 |
| 2002 | 17 | 6 | 23 |
| 1992 | 25 | 9 | 34 |
| 1966 | 37 | 13 | 50 |
| ---Percentage of lumber output--- Volume (MBF ^b) | | | |
| 2016 | 14 | 86 | 11,431 |
| 2012 | 13 | 87 | 9,553 |
| 2007 | 6 | 94 | 22,892 |
| 2002 | 13 | 87 | 26,524 |
| 1992 | 13 | 87 | 63,637 |
| 1966 | 10 | 90 | 72,000 |

^aSize class is based on reported lumber production. MMBF = million board feet lumber tally.

^bMBF = thousand board feet lumber tally.

Table U13-Number of Utah sawmills and average lumber production, selected years.
 (sources: Setzer and Wilson 1970; Keegan and others 1995; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Year | Number of sawmills | Average production per mill |
|-------------------|--------------------|-----------------------------|
| MMBF ^a | | |
| 2016 | 9 | 1.3 |
| 2012 | 8 | 1.2 |
| 2007 | 12 | 1.9 |
| 2002 | 23 | 1.2 |
| 1992 | 34 | 1.9 |
| 1966 | 50 | 1.4 |

^aMMBF = million board feet lumber tally.

Table U14-Utah lumber production by mill size, 2016.

| Size class ^a | Number of mills | Volume | Percentage of total | Average per mill |
|-------------------------|-----------------|------------------------|---------------------|------------------|
| | | <i>MBF^b</i> | | |
| Over 1 MMBF | 3 | 9,805 | 86 | 3,268 |
| Under 1 MMBF | 6 | 1,626 | 14 | 271 |
| Total | 9 | 11,431 | 100 | 1,270 |

^aSize class is based on reported lumber production. MMBF denotes million board feet lumber tally.

^bMBF = thousand board feet lumber tally.

Table U15-Production and disposition of Utah mill residues, 2016.

| Residue type | Total utilized | Pulp and board | Energy | Mulch/ bedding | Unspecified use | Unused | Total produced |
|--------------------------------------|----------------|----------------|--------|----------------|-----------------|--------|----------------|
| | | | | | | | |
| Coarse | 10,131 | - | 1,524 | - | 8,608 | 789 | 10,920 |
| Fine | 3,034 | - | - | 1,799 | 1,235 | 171 | 3,205 |
| Sawdust | 1,540 | - | - | 915 | 625 | 84 | 1,624 |
| Planer shavings | 1,494 | - | - | 884 | 610 | 87 | 1,581 |
| Bark | 3,017 | - | - | 856 | 2,161 | 284 | 3,301 |
| Total | 16,182 | - | 1,524 | 2,655 | 12,004 | 1,244 | 17,426 |
| -----Percentage of residue type----- | | | | | | | |
| Coarse | 92.8 | - | 14.0 | - | 78.8 | 7.2 | 62.7 |
| Fine | 94.7 | - | - | 56.1 | 38.5 | 5.3 | 18.4 |
| Sawdust | 94.8 | - | - | 56.3 | 38.5 | 5.2 | 9.3 |
| Planer shavings | 94.5 | - | - | 55.9 | 38.6 | 5.5 | 9.1 |
| Bark | 91.4 | - | - | 25.9 | 65.5 | 8.6 | 18.9 |
| Total | 92.9 | - | 8.7 | 15.2 | 68.9 | 7.1 | 100 |

^aBone-dry unit = 2,400 lb oven-dry wood.

Table U16-Utah sawmill residue factors, 1992, 2002, 2007, 2012 and 2016.
(source: Keegan and others 1995; Morgan and others 2006; Hayes and others 2012; Sorenson and others 2016).

| Type of residue | 1992 | 2002 | 2007 | 2012 | 2016 |
|--|------|------|------|------|------|
| -----BDU/MBF lumber tally ^a ----- | | | | | |
| Coarse | 0.56 | 0.48 | 0.44 | 0.64 | 0.62 |
| Sawdust | 0.19 | 0.19 | 0.21 | 0.14 | 0.14 |
| Planer shavings | 0.06 | 0.10 | 0.15 | 0.10 | 0.11 |
| Bark | 0.28 | 0.21 | 0.20 | 0.25 | 0.21 |
| Total | 1.09 | 0.98 | 1.00 | 1.13 | 1.08 |

^aBone-dry unit (BDU = 2,400 lb oven-dry wood) of residue generated for every 1,000 board feet of lumber manufactured.

Table U17-Destination and sales value of Utah's primary wood products and mill residues, 2016.

| Product | Utah | Other 4-Corner States | Other Rocky Mtn States ^a | Far West ^b | Northeast ^c | South ^d | North Central ^e | Total |
|---|-------|-----------------------|-------------------------------------|-----------------------|------------------------|--------------------|----------------------------|--------|
| | | | | | | | | |
| Lumber, timbers, and other sawn products | 2,362 | 907 | 681 | 45 | 687 | 675 | 1,353 | 6,710 |
| House logs and log homes | 2,401 | 1,391 | 924 | 99 | 974 | 924 | 924 | 7,637 |
| Other products ^g | 2,029 | 262 | - | - | 1,560 | 1,040 | 2,080 | 6,970 |
| Total | 6,791 | 2,560 | 1,606 | 144 | 3,220 | 2,639 | 4,357 | 21,317 |
| -----Percentage of regional sales by product----- | | | | | | | | |
| Lumber, timbers, and other sawn products | 34.8 | 35.4 | 42.4 | 31.3 | 21.3 | 25.6 | 31.1 | 31.5 |
| House logs and log homes | 35.3 | 54.3 | 57.6 | 68.7 | 30.2 | 35.0 | 21.2 | 35.8 |
| Other products ^g | 29.9 | 10.2 | - | - | 48.4 | 39.4 | 47.7 | 32.7 |
| Total | 31.9 | 12.0 | 7.5 | 0.7 | 15.1 | 12.4 | 20.4 | 100 |

^aOther Rocky Mountains includes Idaho, Montana, Nevada.
^bFar West includes Alaska, California, Hawaii, Oregon, and Washington.
^cNortheast includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
^dSouth includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
^eNorth Central includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
^gOther products include posts, poles, log furniture, and mill residues.