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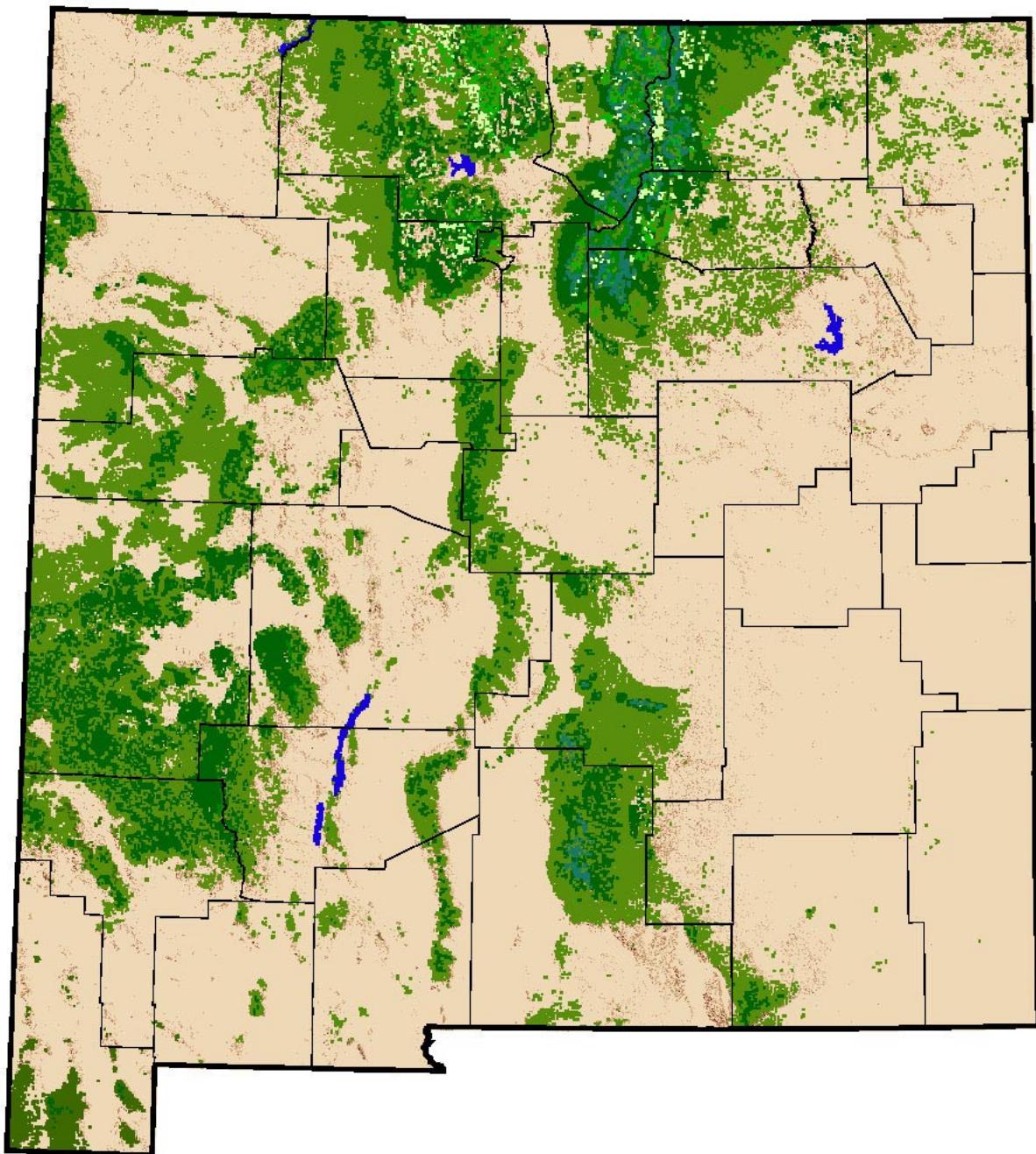
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New Mexico's Forests, 2000

Renee A. O'Brien



Abstract

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This report presents a summary of the most recent inventory information for New Mexico's forest lands. Most of the data are from the inventory completed in 2000 that included National Forest System lands and reserved lands. This report includes descriptive highlights and tables of area, number of trees, biomass, volume, growth, mortality, successional stage, understory vegetation, removals, and net change. Most of the tables are organized by forest type, species, diameter class, or owner group. The report also describes inventory design, inventory terminology, and data reliability.

Results show that roughly 21 percent of the area of New Mexico is forest land, and that about 62 percent of the forest land is administered by government agencies. About 10 percent of the forest land in New Mexico is reserved from being utilized for wood products. The most common forest type is pinyon-juniper, comprising 54 percent of the total forest land. The tree species estimated to have the highest percent of the total number of trees is Gambel oak, with 30 percent. Ponderosa pine is estimated to make up 29 percent of the total biomass and 25 percent of the total cubic foot volume. The total volume of wood in live trees in New Mexico is estimated to be almost 16 billion cubic feet. The net volume of growing stock on nonreserved timberland is more than 7 billion cubic feet, with just over 68 percent occurring on lands administered by the National Forest System.

Keywords: forest land area, forest inventory, number of trees, biomass, volume, growth, mortality, forest type, double sampling

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Highlights

Area

- The total land area of New Mexico is almost 78 million acres. Nearly 21 percent, or 16.7 million acres, is forest land.
- Forty-nine percent of the forest land is administered by the USDA Forest Service, and 38 percent is private, which includes Indian Trust land. Seven percent is administered by the USDI Bureau of Land Management, 5 percent is State owned, and the remaining 1 percent is in other public ownerships.
- About 10 percent of the forest land in New Mexico is in reserved status.
- Pinyon-juniper and pure juniper forest types combined occupy more than 9.9 million acres or 60 percent of the forest land.

Biomass and Volume

- The total biomass in live trees in New Mexico forests is estimated to be over 296 million tons.
- Total volume of wood in live trees in New Mexico is estimated to be almost 16 billion cubic feet.
- Ponderosa pine makes up 29 percent of the total biomass and 25 percent of the total volume.

Growth and Mortality

- Gross annual growth of all trees on forest land in New Mexico totaled almost 306 million cubic feet.
- Mortality reduced gross growth by over 15 percent to just over 259 million cubic feet of net annual growth.
- Ponderosa pine alone accounted for 29 percent of the net annual growth.

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Renee A. O'Brien

Introduction

This report presents a summary of the most recent inventory data available for New Mexico's forest lands. The data reported here are a result of inventories conducted by the USDA Forest Service, Interior West Forest Inventory and Analysis (IW-FIA) Program of the Rocky Mountain Research Station, as part of their national FIA activities. Forest Inventory and Analysis (FIA) is a national program that conducts strategic-level inventories for large-scale planning and monitoring. IW-FIA is one of five regional FIA programs and conducts inventories in eight States in the Interior West.

FIA provides objective and scientifically credible information at a strategic level concerning how much forest there is, what it looks like, whether the forest area is increasing or decreasing, whether forests are gaining or losing species, how quickly trees are growing, dying, and being harvested, and how the forest ecosystem is changing over time with respect to the soil and other vegetation community attributes. This information helps policymakers and managers at local, regional, State, and national levels make sound decisions concerning the nation's forests, and assess the sustainability of current and past policy.

Land classification categories are individually defined in the terminology section of this report. However, an overview of the classification relationships may provide a better understanding of how these groups are subdivided. Land area is divided into forest and nonforest (fig. 1). Forest land is subdivided into timberland and woodland. Timberland includes forests of tree species traditionally used in the forest products industry, such as ponderosa pine and Douglas-fir. Woodland includes tree species such as pinyon, juniper, and oak that are not traditionally used for industrial wood products and typically have a multistem growth form. Each inventory location was classified as timberland or woodland depending on which category of species made up the majority of the stocking. Nonforest includes

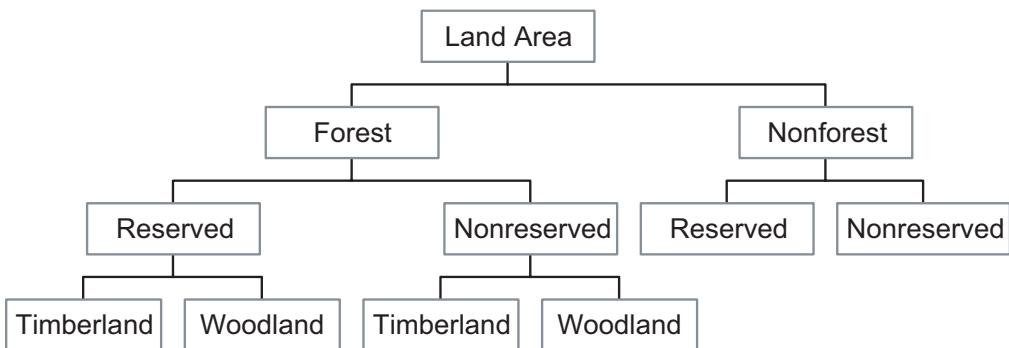


Figure 1—Land classification for FIA reporting, New Mexico, 2000.

rangelands, agriculture, urban lands, and water, and may have a small amount of tree cover. Land may be reserved or nonreserved. Trees are available for use (harvest) on nonreserved forest land, whereas on reserved land they are not. Forest found in wilderness areas or National Parks typifies reserved forest land.

Much of the data in this report are from an inventory conducted between 1996 and 2000 that employed a sampling protocol that was different from earlier inventories. The new protocol is called the mapped-plot design and is explained in the “Methods” section. The 1996 through 2000 inventory included most National Forest System (NFS) lands, all non-NFS timberland, and all areas in reserved status. New data were not collected for the Gila National Forest or for most nonreserved woodlands outside the National Forest System. Instead, woodland plot data from a previous New Mexico inventory (Van Hooser and others 1993), and all plots from the 1992 and 1993 inventory of the Gila National Forest were recompiled and combined with the 1996 and 2000 data to produce this report (fig. 2).

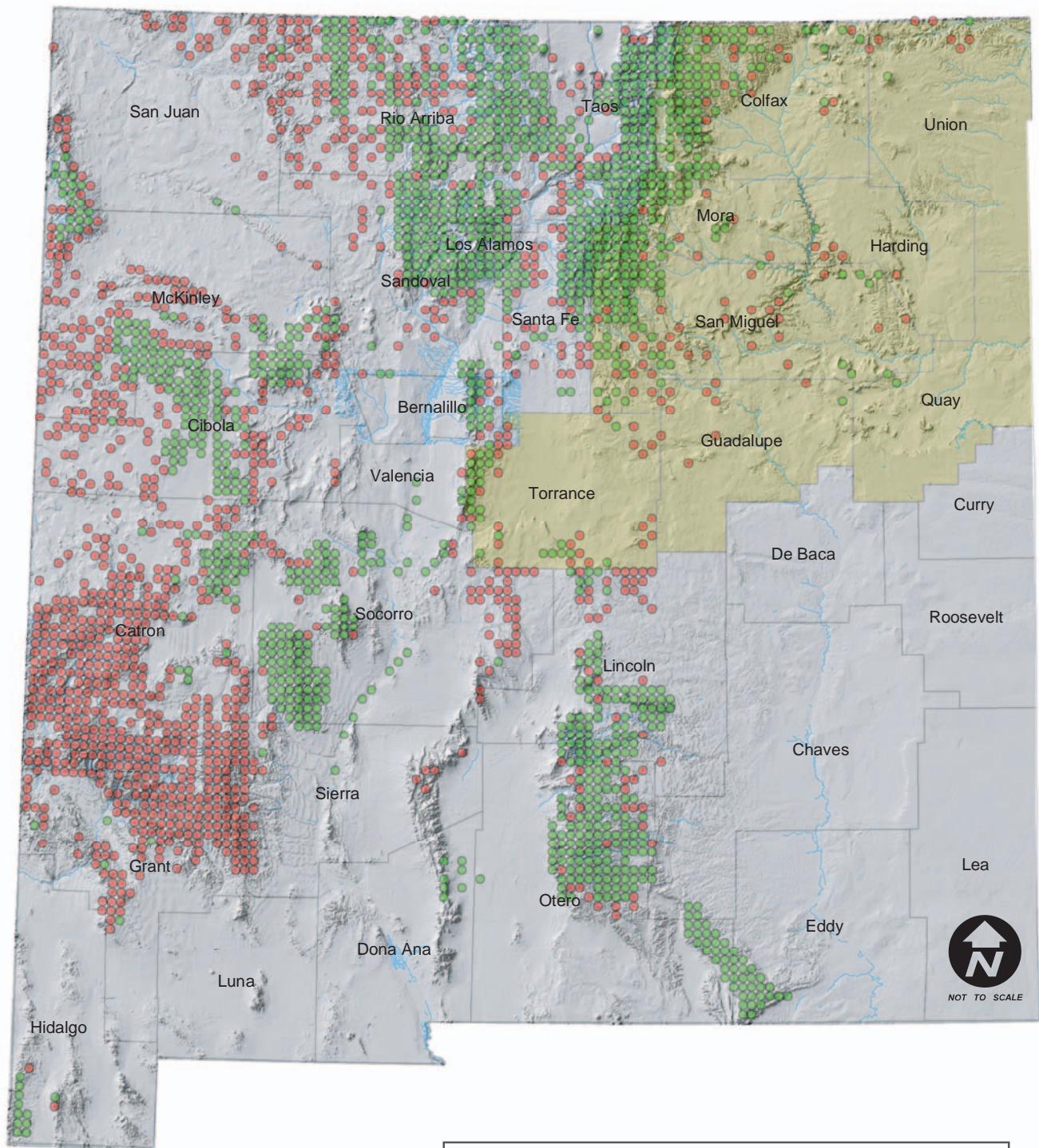
This report and the included tables were crafted based on historical demand and on recent requests from users, including private landowners, agency and university researchers, forest industry officials and consultants, National Forest System managers, State and local planning staffs, and regional and national policymakers. The report emphasizes the total forest land resource, including species diversity, forest health, and land use issues, as well as providing the more traditional estimates such as volume, growth, mortality, and removals. Other types of information included in this report are the occurrence and cover of understory species, estimates of biomass, and diversity of habitat types. Scientific and common names for all plant species included in this paper are listed in appendix A.

The 1996 through 2000 inventory was made possible through a major cooperative effort between many Federal and State agencies. The field work, data compilation, and analysis were conducted and partially funded by the IW-FIA program. Significant funding was also provided by the USDA Forest Service Southwestern Region through a cooperative agreement between the Rocky Mountain Research Station and National Forest System. Substantial cooperation in terms of logistical assistance was received from the New Mexico State Land Department, Forestry Division, and many other public and private landowners. Data from this effort are also being reported separately for the five National Forests in New Mexico.

Caution should be used in comparing the numbers in this report with forest statistics previously reported for New Mexico (Van Hooser and others 1993). The field plot design was modified since the last inventory to meet national consistency requirements. Reserved lands and National Forest System lands were not previously inventoried by FIA. In the past, National Forest System conducted its own inventory and provided data to FIA for State reporting purposes. Additionally, some national and local definitions and classifications have been adjusted.

Methods

The data in this report represent all forest land, including all owners and land status. IW-FIA uses a two-phase or double sampling procedure (Cochran 1963) for State inventories. The first, or remotely sensed, phase was based on a grid of sample points systematically located across all lands in the State.



Sample Design

- Mapped Plot Design Field Locations
- Old Plot Design Field Locations
- Half Intensity Woodland/Single Intensity Timber Grid
- Single Intensity Grid

Figure 2—Distribution of inventory plots by design and intensity, New Mexico, 2000. Note: Plot locations are approximate for illustration purposes only.

A forest cover type map of the United States (Powell and others 1993), derived from digital satellite imagery (fig. 3), was used to obtain timberland, woodland, or nonforest cover information on 314,827 points in New Mexico. This cover designation, along with County and owner information, was then used to stratify field plots.

Field crews conducted the second, or field, phase of the inventory on a subsample of the phase one points that occurred on forest land (USDA Forest Service 1997). This is land that had at least 5 percent cover of species classified as trees (timber or woodland species), had at least 40 tally tree species seedlings or saplings per acre, or is currently without cover but formerly had at least 5 percent cover with tally tree species, and human activity on the site does not preclude natural regeneration of trees.

The data used to produce this report came from basically three sample plot designs as well as two sampling intensities. These differences divide the State into three distinct "populations." A complete description of these populations along with the sampling designs and intensities used are given in the following paragraphs.

One "population" consists of areas where the new plots were taken using the national FIA mapped-plot design. This population includes some areas that were sampled for the first time by FIA as well as areas that were sampled in the 1980s. New design plots were taken on all but one National Forest, all reserved lands, lands that were found to have been timberland in the 1980s, and plots classified as being in the timberland strata using current phase 1 information. The mapped-plot design consists of four fixed-radius subplots. Each 1/24-acre circular subplot was used to sample trees 5.0 inches in diameter at breast height (d.b.h.) or root collar (d.r.c.), and larger. A 1/300-acre circular microplot, at the center of the subplot, was used to sample seedlings and saplings (trees up to 4.9 inches d.b.h or d.r.c.). Forest and adjacent nonforest conditions were delineated and recorded. Condition classes were defined by five attributes: forest/nonforest, forest type, stand-size class, stand origin, and stand density. All attributes measured on each location were assigned to their respective condition class. For this population, 855 plots were evaluated, of which 819 locations were at least partially forest.

The second population is the Gila National Forest. It was sampled in 1994 when IW-FIA was using a five-point variable-radius plot to sample timberland forest types and a single fixed-radius plot to sample woodland types. There were 526 plots evaluated on the Gila, 461 of which were forest.

The third population is the woodland strata on non-National Forest and nonreserved lands. For this population, 9,765 plots were evaluated, of which 1,262 were forested. All were sampled using a single fixed-radius plot. The methods and results of this inventory are included in Van Hooser and others (1993). The total number of plots evaluated for all three populations was 11,146, of which 2,542 were at least partially forest.

The current standard sampling intensity is one plot every 5,000 m, or about 3-mile spacing (approximately one field plot per 6,178 acres). However, a sample one-half that intensity was taken on the woodland strata (part of population 3) in the northeastern quarter of the State. A map showing plot distribution by design and sampling intensity is found in figure 2.

FIA inventories provide a probability-based sample of forest resources across all ownerships that can be used for planning and analyses at local, State, regional, and national levels. The sample was designed to meet

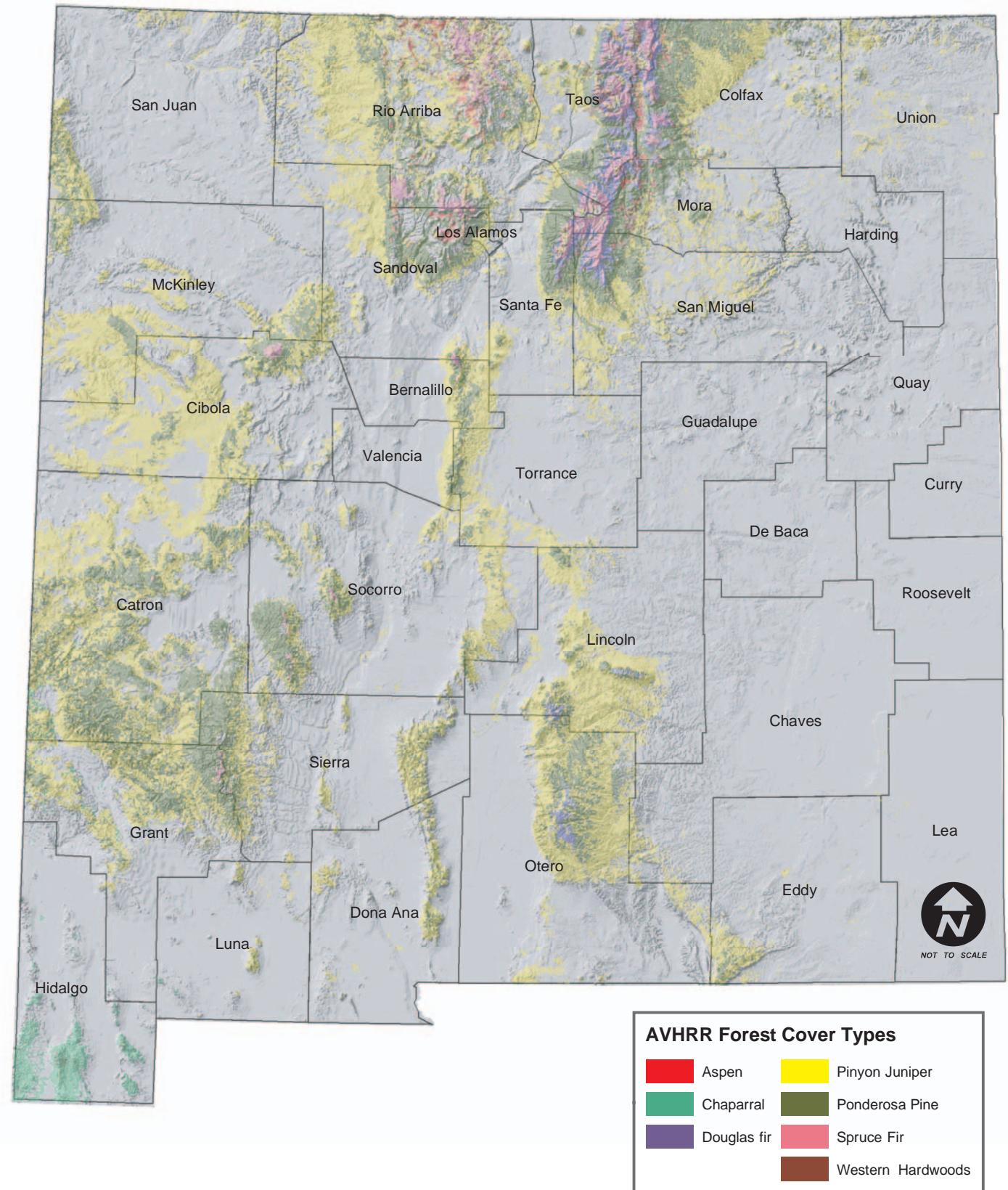


Figure 3—Advanced very high resolution radiometer (AVHRR) forest cover types for New Mexico (Powell and others 1993).

national standards for precision in State and regional estimates of forest attributes.

A measure of the variability of inventory statistics is provided by standard errors, listed in table 2 for estimates of area, volume, growth, and mortality on forest land for the entire State. A 95 percent confidence interval can be computed for any estimate by multiplying the estimate's percent standard error (SE) by 1.96, multiplying that product times the estimate, and then adding and subtracting that product from the estimate to get the bounds. The 95 percent confidence interval for total forest land area in New Mexico is between 16.2 and 17.1 million acres. Similarly, the estimate of total forest land volume ranges between 15.3 and 16.6 billion cubic feet.

Users may compute statistical confidence for subdivisions of the reported data using the formula below. Because sampling error increases as the area or volume considered decreases, users should aggregate data categories as much as possible. Sampling errors obtained from this method are only approximations of reliability because this process assumes constant variance across all subdivisions of totals. The formula is:

$$S\tilde{E}_g = \frac{SE_t \sqrt{\hat{Y}_t}}{\sqrt{\hat{Y}_g}}$$

where:

$S\tilde{E}_g$ = approximate percent standard error of \hat{Y}_g

SE_t = percent standard error of \hat{Y}_t

\hat{Y} = table variable of interest

g = table cell or group of cells of interest

t = totals from tables 2 or 3

Overview of Tables

Area of forest land, number of trees, wood volume and biomass, growth, mortality, and removals are the primary categories for which statistics are summarized and presented in the tables. There are five groups of tables. Tables 1 through 27 are for all forest land, both reserved and nonreserved. Tables 28 through 43 are for nonreserved forest land—forest land not withdrawn from tree utilization through statute or administrative designation. Tables 44 through 81 are for nonreserved timberland, that is nonreserved forest land that is 10 percent stocked and where timber species—those species traditionally used for industrial wood products—comprise more than half of the total stocking on the site. Tables 82 through 89 are for nonreserved woodland, meaning forest land where timber species make up less than half of the total stocking. The last group of tables, 90 through 111, is a set of tables comparable to similar sets presented by other FIA groups across the nation and used in the Resources Planning Act Assessment to represent lands traditionally referred to as productive timberland. These “Core” tables are primarily for nonreserved timberland that has a minimum productivity of 20 cubic feet per acre per year. Highlights presented in this report are for total forest land and for nonreserved timberland.

Highlights of Inventory Results for Total Forest Land

Area

The State of New Mexico encompasses almost 78 million acres (table 1). Approximately 21 percent of the area or about 16.7 million acres is forest land (fig. 4). Forty-eight percent of the forest land is administered by the USDA Forest Service, and 38 percent is private, which includes Indian Trust land (fig. 5). Seven percent is administered by the USDI Bureau of Land Management (BLM), 5 percent is State owned, and the remaining 2 percent is other public. About 10 percent of the forest land in New Mexico is in reserved status. Unless otherwise indicated, lands of both reserved and nonreserved status are included in the statistics in this report.

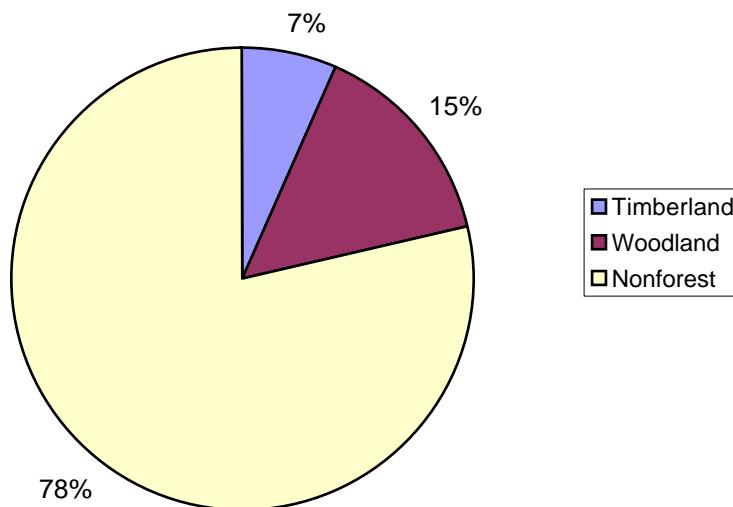


Figure 4—Land area by land class, New Mexico, 2000.

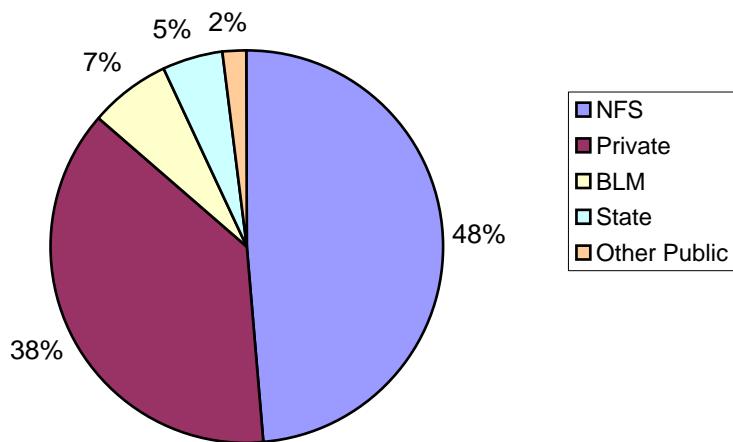


Figure 5—Area of forest land by owner group, New Mexico, 2000.

The area variables discussed below describe the structure and composition of New Mexico forests. Some of the variables were originally developed to describe forests in terms of growing-stock and timber production, and have been adapted for use in describing all trees on all forest land.

Forest type—Forest type refers to the predominant tree species in a stand, based on tree stocking, and is one indicator of forest diversity. As shown in table 3, the pinyon-juniper type is by far the most abundant forest type in New Mexico, covering over 8.8 million acres, or 53 percent of the forest land. Another 1.0 million acres—over 6 percent—of the State's forest land is classified as pure juniper. Together, the pinyon-juniper and juniper types compose almost 60 percent of New Mexico's forest land. Figure 6 displays area by land status for all forest types. Ponderosa pine is the second most abundant forest type with 2.8 million acres, or about 17 percent. Douglas-fir makes up 6 percent of the area; deciduous oak, 5 percent; white fir about 3 percent; and aspen and evergreen oak, about 2 percent each. Other miscellaneous types combined, including nonstocked woodland, make up the remaining 5 percent of the forest land.

Aspen—Aspen-dominated stands are currently a minor component of New Mexico forests, though they are considered important for providing diversity of wildlife habitat, forage, and watershed values within the conifer-dominated forests. Only about 365,000 acres currently have the predominance of aspen stocking required to be considered aspen forest type by FIA definitions. Information from various sources (Bartos 1995; Bartos and Campbell 1998; Johnson 1994) indicates that this important forest type is declining in much of its Western range. Aspen forests are unusual because they reproduce primarily by suckering from the parent root system. Often a disturbance or dieback is necessary to stimulate regeneration of the stands. Evidence suggests that aspen root systems have existed for thousands of years, and because of this, even minor amounts of aspen in a stand probably indicate that the site was at one time dominated by aspen. In an attempt to shed more light on this issue, each location in the inventory data base was

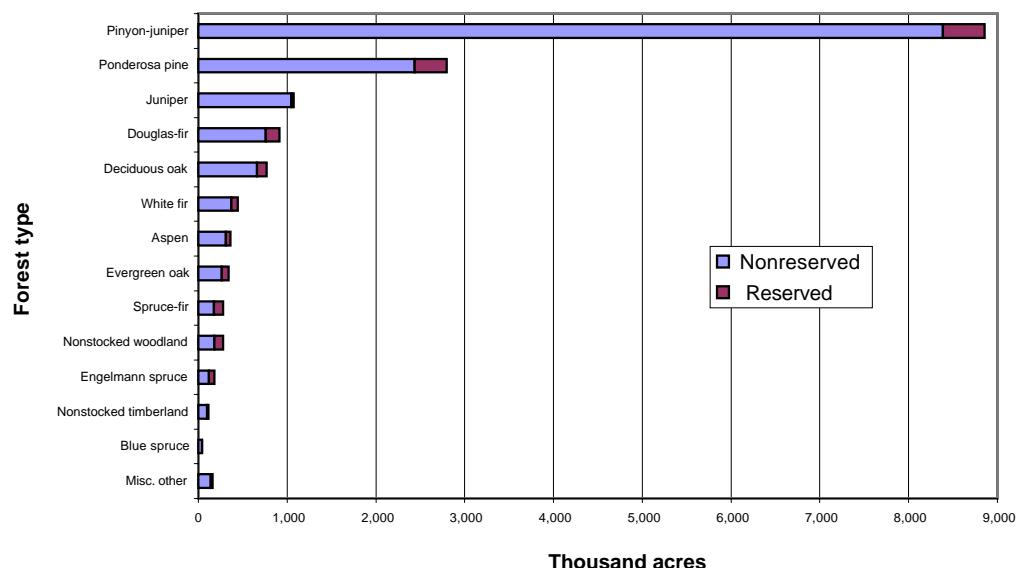


Figure 6—Area of forest land by forest type and land status, New Mexico, 2000.

examined for any presence of aspen. An estimated 1.6 million acres in New Mexico have at least one live or dead aspen tree present. This number indicates that under certain conditions, more New Mexico forest land could be dominated by aspen. However, this does not imply that all 1.6 million acres were ever simultaneously dominated by aspen.

Stand-size class—Another variable, stand-size class, classifies forest land based on the predominant stocking by size of all live trees present (tables 4 through 7) and gives an idea of the overall structure of New Mexico forests. Figure 7 shows area of forest land by stand-size class and owner group. This figure illustrates that relatively few stands are composed mostly of small trees (sapling/seedling), such as stands that have been recently harvested or burned. Figure 7 shows a relatively small amount of nonstocked forest land; this primarily includes sparsely stocked or marginal woodlands.

Stand age—Figure 8 illustrates area of forest land by stand-age class. Stand age is an important forest attribute, but is difficult to quantify in mixed-age stands and therefore should be used with caution. Stand age is computed here using only the ages of trees within the computed stand-size class, weighted by trees per acre. If a stand is nonstocked, the age is considered unclassified. Based on these criteria, 48 percent of all forest stands in New Mexico are estimated to be 51 to 100 years old, and another 22 percent are estimated to be 101 to 150 years old (table 11). Because trees of all ages can occur together, and tree ages within the computed stand size are averaged, this method of computing stand age does not necessarily portray old-growth situations.

Basal area class—Basal area (BA) is the cross-sectional area of a tree stem, expressed in square feet. The sum of the BA per acre of all live trees in a stand is an indicator of the degree to which the site is being utilized for growth. High levels of BA indicate dense stands that may have a high

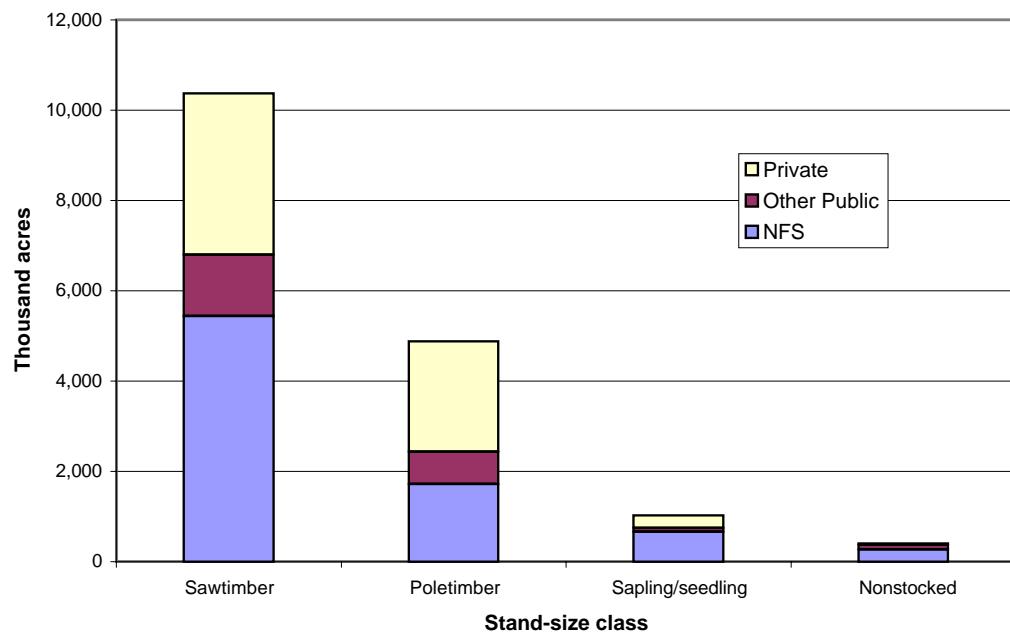


Figure 7—Area of forest land by stand-size class and owner group, New Mexico, 2000.

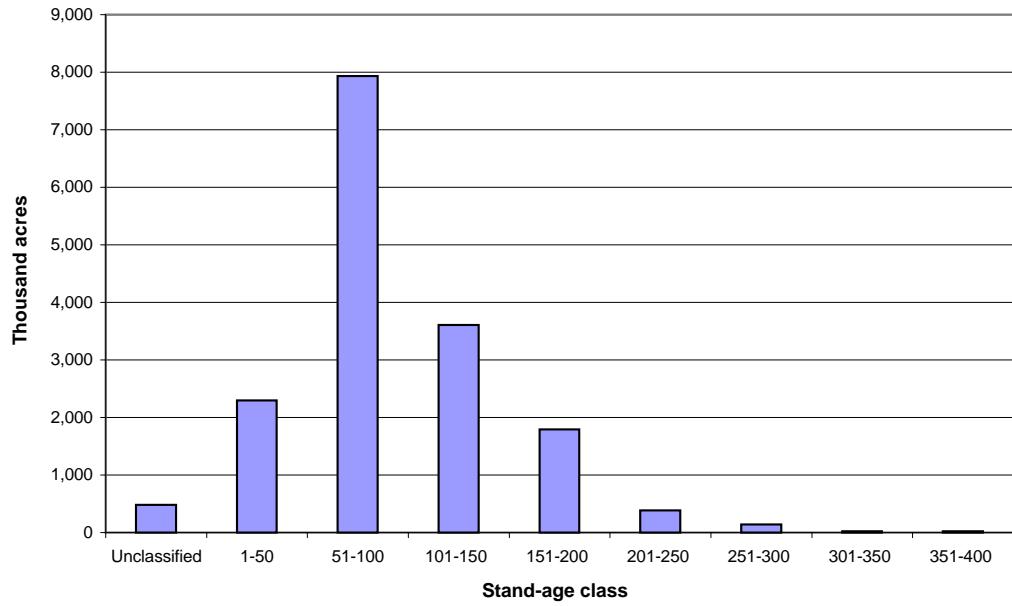


Figure 8—Area of forest land by stand-age class, New Mexico, 2000.

potential for catastrophic fire or may be vulnerable to attack by insects or disease. Table 10 presents area of forest land by forest type and basal area class. Focusing on one forest type, figure 9 illustrates area of ponderosa pine forest type by BA class and shows that more than half (69 percent) of the ponderosa pine forest type in New Mexico has greater than 75 square feet of BA. A range of 50 to 75 feet of BA was historically used as a management target for production of wood fiber.

Stand density index—Stand density index (SDI), as developed by Reineke (1933), is a relative measure of stand density that quantifies the relationship between trees per acre, stand basal area, average stand diameter, and stocking of a forested stand; it is commonly used by managers

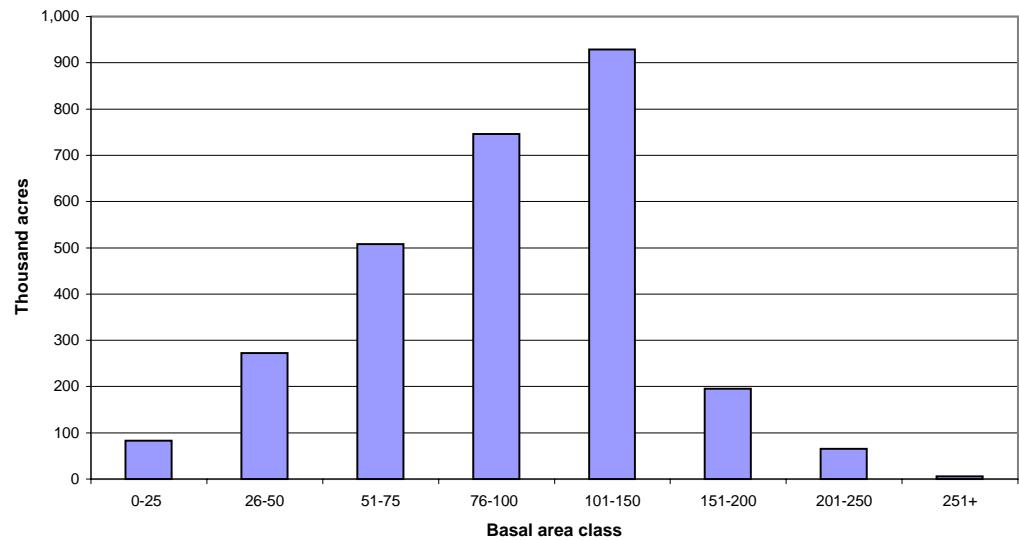


Figure 9—Area of ponderosa pine forest type by basal area class, New Mexico, 2000.

throughout the Southwest. The concept was developed for even-aged stands, but can also be applied to unevenaged stands (Long and Daniel 1990; Shaw 2000). SDI is usually presented as a percentage of the maximum SDI for each forest type (USDA Forest Service 1991). SDI was computed for each location using those maximums (shown in table 12), and the results were grouped into six classes (fig. 10). A site is considered to be fully occupied at 35 percent of SDI maximum, which marks the onset of competition-related stresses and slowed growth rates. IW-FIA estimates that 44 percent of all forest stands in New Mexico are at or above 35 percent of SDI maximum. Figure 11 shows area of mixed conifer (comprised of white fir, Douglas-fir, and blue spruce), and ponderosa pine forest type groups by SDI class.

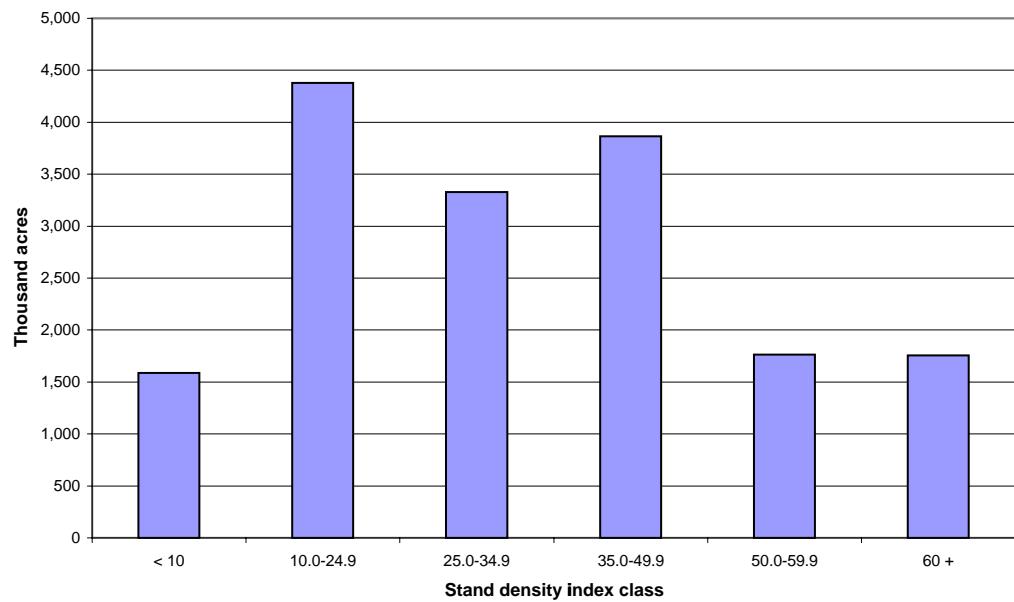


Figure 10—Area of forest land by stand density index (SDI) class, New Mexico, 2000.

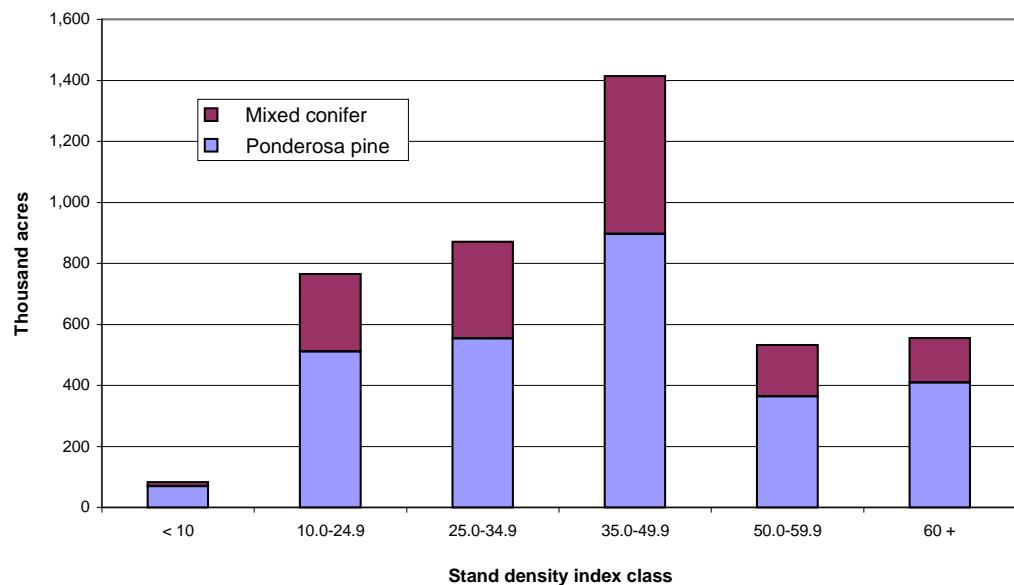


Figure 11—Area of mixed conifer and ponderosa pine forest type groups by SDI class, New Mexico, 2000.

Habitat type—Habitat types describe lands in terms of their potential to produce similar plant communities at successional climax. The climax plant community, which is the theoretical end result of plant succession, reflects the integration of environmental factors that affect vegetation such as soils, climate, and landform. Habitat type classifications are named for the predominant overstory and understory plant species at the time of successional climax. In the 1996 to 2000 inventory, New Mexico forests, including woodlands, were classified using Stuever and Hayden (1996). Table 13 presents area of forest land by habitat type series and forest type, to give a general indication of forest successional status for the State. Woodland locations from older surveys were not classified by habitat type, and their area shows up in the unclassified category. Although presented for the entire State, this concept is more meaningful and more widely used at the site level.

Number of Trees

The composition of the State's forest land by individual tree species is another indicator of forest diversity. Figure 12 displays the distribution of number of live trees on New Mexico forest land for the most abundant species. Gambel oak is estimated to make up the highest percentage of number of trees in New Mexico with 30 percent. The reason Gambel oak (deciduous oak forest type) did not top the list of forest type area is because the trees are usually small and often occur within the ponderosa or pinyon-juniper types. The continuing order of species abundance is twoneedle pinyon, 21 percent; ponderosa pine, 9 percent; oneseed juniper, 8 percent; Douglas-fir, 5 percent; Arizona white oak, 4 percent; aspen, white fir, and alligator juniper, each 3 percent; and Engelmann spruce, corkbark fir, and Rocky Mountain juniper, each 2 percent. Other species tallied in the inventory, each of which composed less than 2 percent of the total number of trees, are Utah juniper, silverleaf oak, New Mexico locust, southwestern white pine, bigtooth maple, Emory oak, limber pine, blue spruce, subalpine fir, Rocky Mountain maple, border pinyon, bristlecone pine, western honey mesquite, cottonwood, screwbean mesquite, Apache pine, Mexican pinyon pine, Mexican blue oak, velvet mesquite, chinkapin oak, boxelder, singleleaf pinyon, Chihuahua pine, and

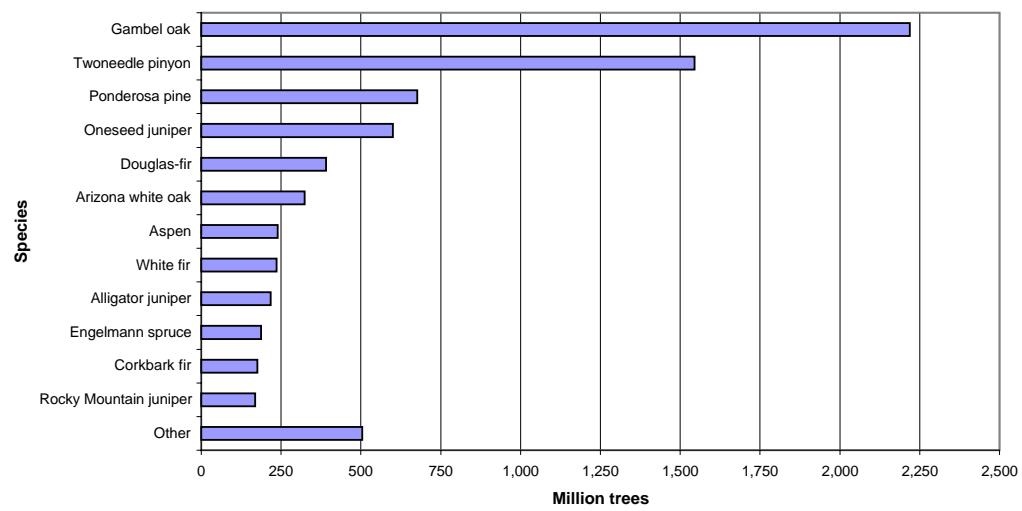


Figure 12—Number of live trees on forest land by species, New Mexico, 2000.

evergreen oak (table 14). The evergreen oak category includes netleaf oak and evergreen oak species from the earlier inventories.

Figure 13 displays number of trees on forest land by diameter class (both d.b.h. and d.r.c.). In terms of sheer numbers, 70 percent of all live trees are less than 5 inches in diameter (table 14). More than 95 percent of Gambel oak and 63 percent of twoneedle pinyon (the two most common trees) are in the 1.0-to 4.9-inch class. These species are typically small, and Gambel oak often sprouts in dense thickets.

Dead trees are an important component of forest ecosystems, providing habitat for many species of wildlife and functioning as nutrient sinks. There are roughly 158 million standing dead trees greater than 5.0 inches (snags) in New Mexico (table 15). The number includes snags of all species and degree of decay. Many wildlife species are dependent on snags, but the species, size, and density of snags required vary according to the species of wildlife. Larger snags are relatively scarce in relation to smaller snags. Considering snags 11 inches in diameter or larger, New Mexico forests average 3.0 snags per acre. Of the very large snags, 19 inches in diameter or larger, New Mexico has about 0.6 per acre. The most abundant species of snag overall is twoneedle pinyon, and the most abundant species of snag in the 19 inch and larger category is ponderosa pine.

These numbers represent averages over the total forest land area. Standing dead trees were only found on 50 percent of the forest land area, and 74 percent of the timberland area. Snags are difficult to sample adequately (Bull and others 1990) because they are fewer in number and may be less randomly distributed than live trees—occurring in patches because of fire, disease, insect outbreaks, and so forth.

Biomass and Volume

The total biomass in all live trees (1.0 inch diameter and greater) in New Mexico forests is estimated to be 296.3 million tons. Biomass includes boles, bark, and branches of all live trees including saplings. Biomass is presented by species in figure 14, and by species and diameter class in table 16. The

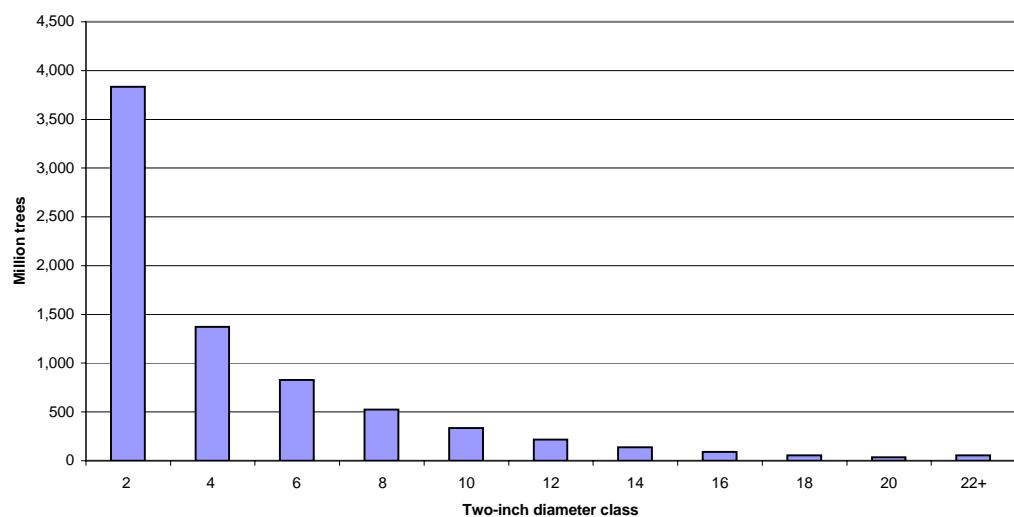


Figure 13—Number of live trees on forest land by 2-inch diameter class, New Mexico, 2000.

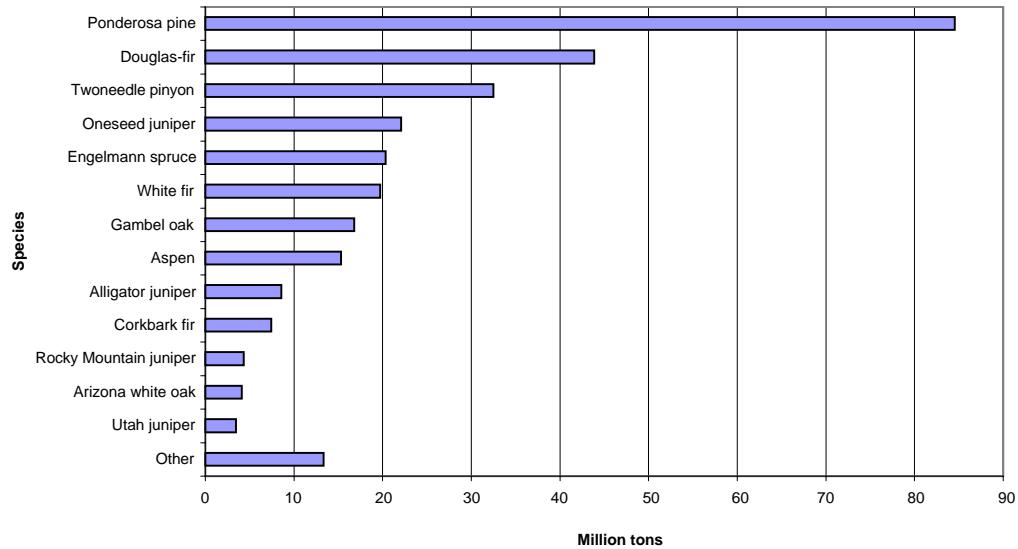


Figure 14—Oven-dry weight of biomass of all live trees by species on forest land, New Mexico, 2000.

species estimated to have the greatest total biomass is ponderosa pine at over 84 million tons, 29 percent of the total biomass in the State.

Total net volume of wood in live trees 5.0 inches in diameter and larger in New Mexico is estimated to be almost 16 billion cubic feet. Figure 15 shows cubic-foot volume by species, table 18 shows cubic-foot volume by species and owner, and table 19 shows volume by species and diameter class. The species estimated to have the most cubic-foot volume in New Mexico is ponderosa pine, with 25 percent of the total.

Growth and Mortality

Growth, as reported here, is the average annual growth over a 10-year period based on increment core measurements. It is reported for the year

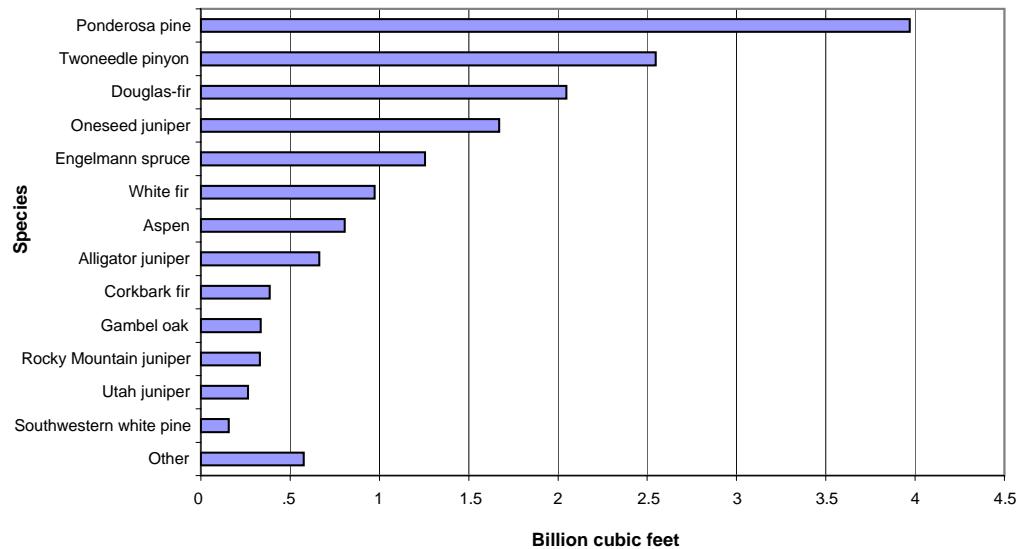


Figure 15—Net cubic foot volume by species on all forest land, New Mexico, 2000.

prior to the year of inventory. Gross annual growth of all trees on forest land in New Mexico totaled about 306 million cubic feet. Net annual growth is the difference between gross growth and losses due to mortality. Several species have negative net growth in some diameter classes (table 22), indicating that trees are dying faster than they are growing. About 62 percent of the net annual growth in New Mexico occurred on National Forests. Ponderosa pine alone accounted for 29 percent of the net growth.

Mortality is the average annual net volume of trees that have died in the 5 years prior to the year of inventory (table 23), expressed for the year prior to the inventory. Mortality reduced gross growth by almost 15 percent to about 259 million cubic feet of net annual growth. Although the exact cause of death is sometimes unknown, or is the result of a combination of factors, fire was estimated to be the primary cause of death, followed by disease and insects (table 25).

Understory Vegetation and Ground Cover

In addition to information about the forest overstory, the average crown canopy cover of shrubs, forbs, and graminoids (grasslike plants) by layer, as well as percent bare ground, were collected at each field location. These data complement the information on trees and help provide a more complete picture of the diversity of New Mexico forests. Understory structure elements provide hiding cover, forage, soil protection, fuels, and biomass. The amount of ground cover can indicate where soils are protected from erosion.

Where forest was sampled, crews also recorded the name, percent crown canopy cover, and height layer of up to four individual species in each lifeform that had 5 percent or more cover. Table 26 summarizes lifeform cover percent, percent bare ground, total number of different species and most common species recorded, and number of sample observations in each forest type.

The highest average percent bare ground (35 percent) is found in the mesquite forest type. The highest percent average cover of shrubs (14 percent) occurred in the evergreen oak type, compared to the lowest average shrub cover (3 percent) in the cottonwood type. The highest amount of average forb cover (11 percent) was found in the aspen type, and the highest amount of average grass cover (34 percent) was found in the mesquite type.

Figure 16 shows the 10 most common understory species encountered with 5 percent cover or greater on New Mexico forest land, by the number of vegetation plots on which they were found. The species most often encountered with 5 percent or greater cover on all forest land is blue grama, found on 29 percent (718) of all locations. Arizona fescue was the second most common, and true mountain mahogany was third, found on 7 percent (176) and 6 percent (154) of all locations, respectively.

Highlights of Inventory Results for Nonreserved Timberland

Area, Volume, and Net Growth

Because of the importance of wood products to local and regional economies, and for comparison with previous reports, some additional summaries for nonreserved timberland are useful. Just over 26 percent (4.4 million acres) of the forest land in New Mexico is nonreserved timberland, which includes all owners but excludes land with 51 percent or greater woodland

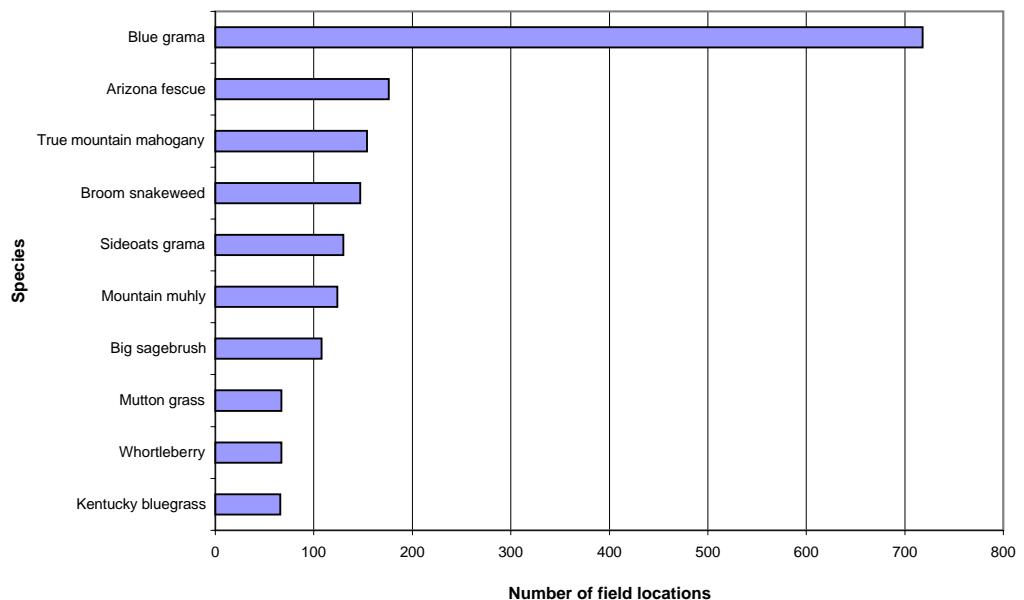


Figure 16—Occurrence of the 10 most common understory species on forest land, New Mexico, 2000.

stocking and all reserved lands. The area of nonreserved timberland by owner group and productivity class is presented in figure 17 and tables 44 through 47. Seventy percent of the nonreserved timberland in New Mexico is in the 20 to 49 cubic feet per acre per year productivity class. The distribution of nonreserved timberland by owner group and stand volume class is presented in figure 18 and table 48.

The total net volume of growing stock on nonreserved timberland is over 7 billion cubic feet, with 68 percent of that occurring on National Forest. Ponderosa pine comprises the greatest percentage of growing-stock volume on nonreserved timberland with 42 percent.

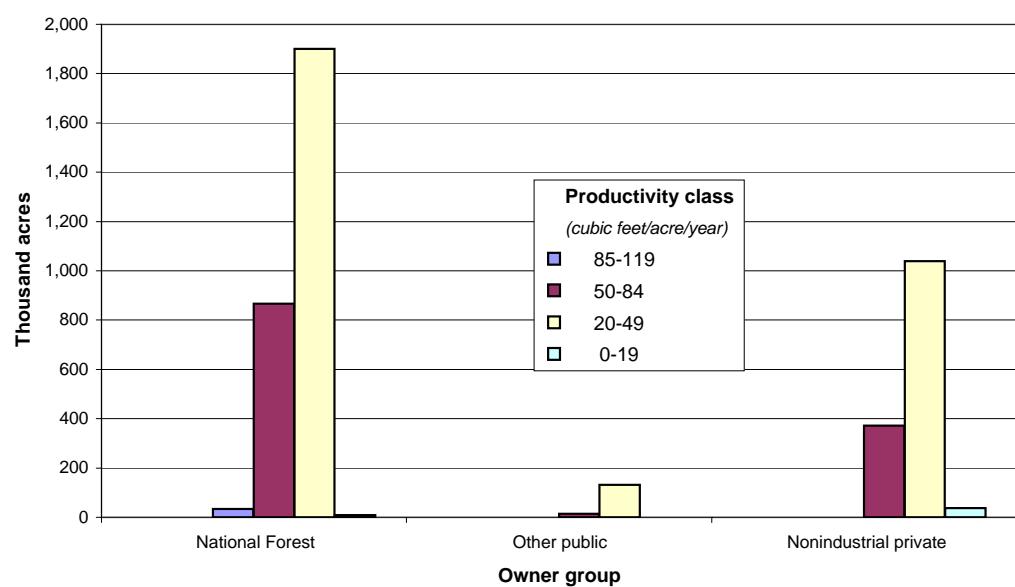


Figure 17—Area of nonreserved timberland by owner group and productivity class, New Mexico, 2000.

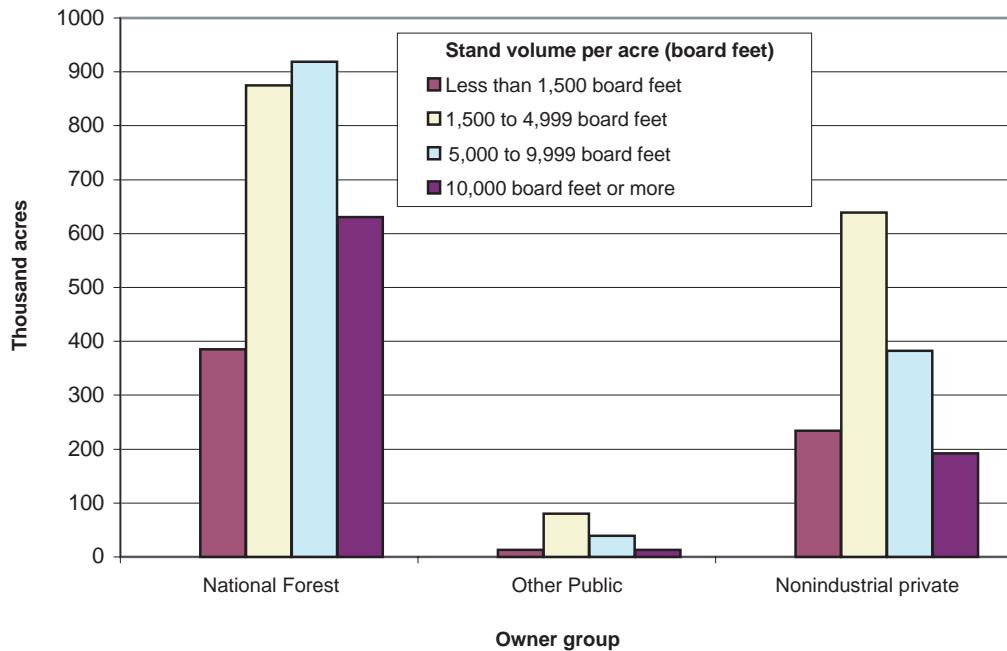


Figure 18—Area of nonreserved timberland by owner group and stand volume class, New Mexico, 2000.

The volume of sawtimber on nonreserved timberland in New Mexico is estimated to be over 24.7 billion board feet (Scribner rule) (table 53). Ponderosa pine accounts for 45 percent of the total sawtimber volume. Douglas-fir and white fir combined account for another 35 percent. Figure 19 shows sawtimber volume by forest type on nonreserved timberland.

Net annual growth of growing stock on nonreserved timberland totaled about 141 million cubic feet (table 67). Figure 20 shows annual gross growth, mortality, and removals of growing-stock volume for grouped species on nonreserved timberland.

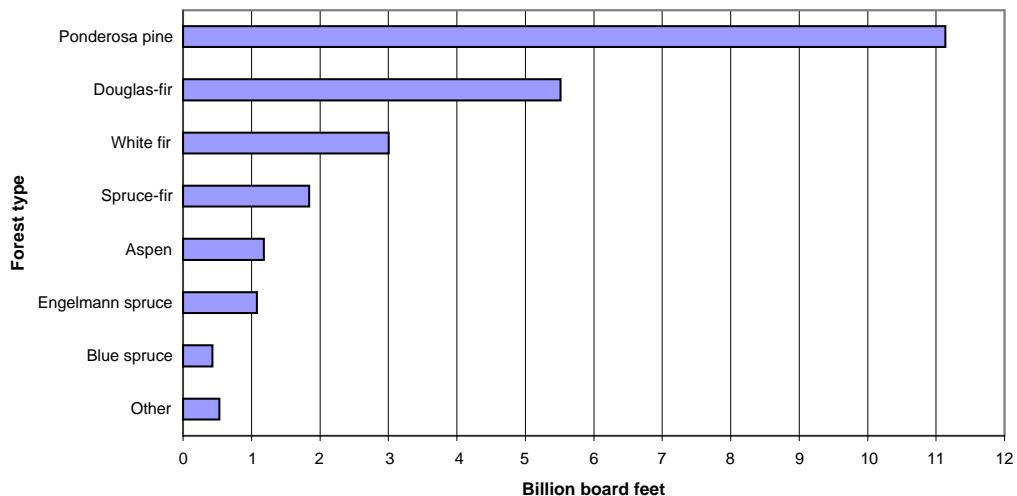


Figure 19—Sawtimber volume by forest type for nonreserved timberland, New Mexico, 2000.

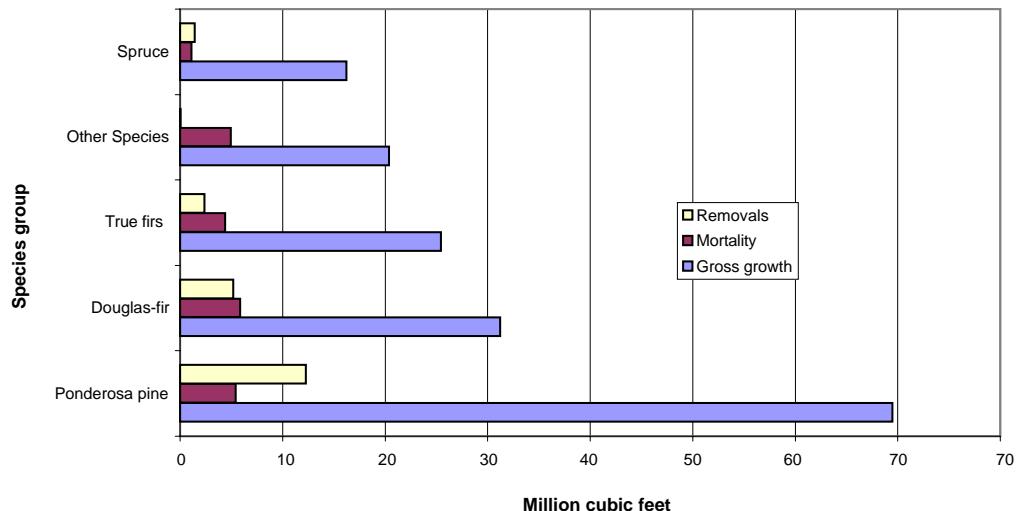


Figure 20—Gross annual growth, mortality, and removals of growing-stock volume for grouped species on nonreserved timberland, New Mexico, 1999.

Removals

A broad definition of removals includes the net volume of growing stock removed from the inventory by harvesting, cultural operations, land clearing, and changes in land use. Removals include both the volume processed and the volume harvested or killed but not utilized. Removals, as reported here, are based on data from one year—1999, and include only removals related to harvesting. More details about New Mexico's primary forest products industry can be found in Keegan and others (2001). Figure 21 shows volume removed from growing-stock volume by product and owner group. Tables 79 through 81 show harvest and removals by product, species, and owner group in cubic feet for growing-stock removals, as well as board feet Scribner and International for sawtimber removals.

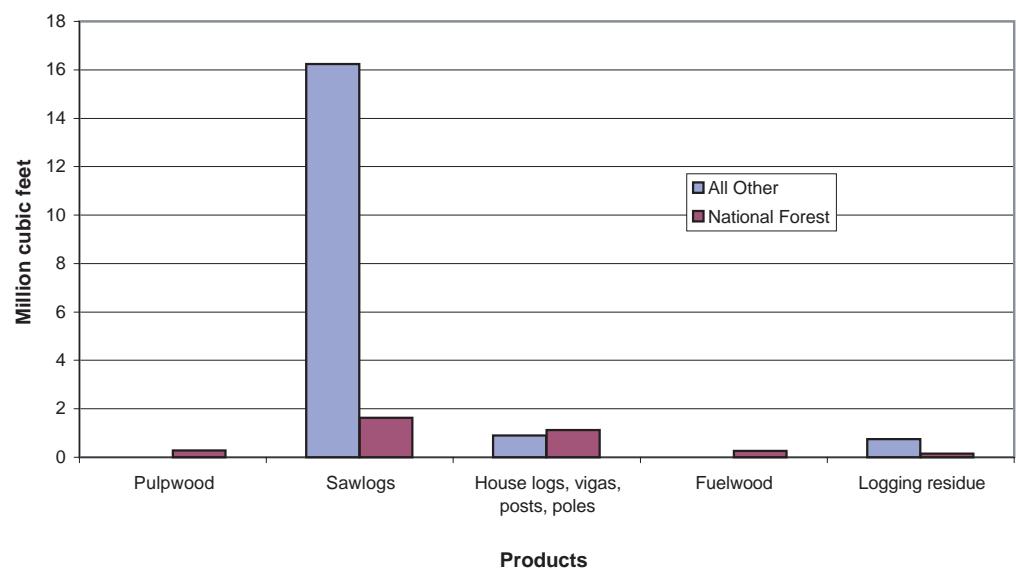


Figure 21—Volume removed from growing-stock inventory, by product and owner group, New Mexico, 1999.

Just over 21 million cubic feet of wood, exclusive of land-clearing volume, were removed from growing stock on New Mexico's nonreserved forest land in 1999. Ninety-five percent of the removals from growing stock was for timber products, 1 percent was for fuelwood, and 4 percent was not utilized and left in the woods as logging residues. Sawlogs were the largest component of removals from growing stock volume at 84 percent, followed by "other products" (such as vigas, house logs, posts, and poles), at 10 percent, and pulpwood at just over 1 percent. National Forests supplied 16 percent of the volume removed from growing stock; other lands—primarily Indian Trust—supplied 84 percent.

Sawtimber removals included 101.3 million board feet expressed in Scribner rule or 115.5 million board feet expressed in International $\frac{1}{4}$ -inch rule. Sawlogs dominated the products harvested from sawtimber, accounting for 88 percent of removals. Other products, primarily house logs and vigas, accounted for 9 percent of sawtimber removals; pulpwood for 1 percent; and fuelwood less than 1 percent. Two percent of sawtimber removals was not utilized and was left in the woods as logging residue.

Ponderosa pine was the primary species harvested, accounting for over 57 percent of the growing stock and sawtimber volume removed (table 79). Douglas-fir accounted for about 24 percent, with the remainder mostly true firs and spruce. Altogether, removals reduced the available standing inventory by only about 0.3 percent of growing stock and 0.4 percent of sawtimber (Scribner rule). The harvest attributed to each individual species was roughly proportional to its share of the total inventory.

Components of Change

Removals and mortality are both components of change that reduce the amount of growing-stock volume on New Mexico's nonreserved timberlands. Figure 22 shows net annual growth compared to removals. Because growth is annual, based on an average over 10 years, and removals data are collected

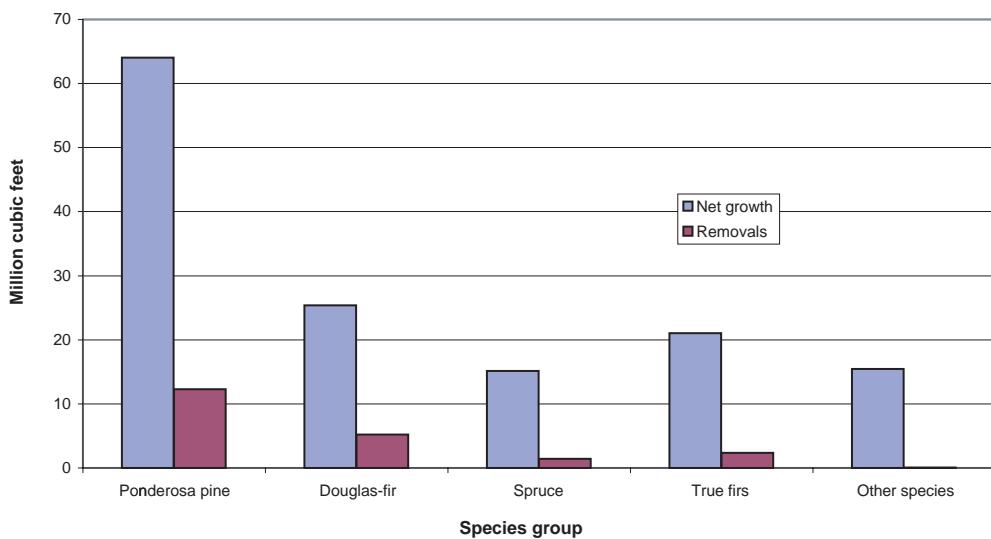


Figure 22—Net annual growth of growing stock compared to removals by species group on nonreserved timberland, New Mexico, 1999.

for 1 year, this graph does not necessarily imply a trend of growth compared to removals. What it does illustrate is that no species had more wood volume removed in 1 year (1999) than the estimated average annual net growth. Total growing-stock volume removed was only 15 percent of total net annual growth of all species of growing stock on nonreserved timberland in New Mexico. More information about trends in timber harvest in New Mexico can be found in Keegan and others (2001).

Summary

This report presented a summary of the most recent inventory data available for New Mexico's forest lands. These findings were presented in a format that is comparable to similar recent reports for other States. Most of these data are available publicly. Changes in legislation and the mandates directing FIA efforts have dictated a change to an annualized approach to future inventories. Additional information about the FIA program, recent changes, terminology, and database can be found by accessing the IW-FIA web site at: www.fs.fed.us/rm/ogden

Standard Forest Inventory and Analysis Terminology

Note: For a more complete glossary, please go to: http://www.fs.fed.us/rm/ogden/state_reports/state_reports.html

Basal area (BA)—The cross-sectional area of a tree stem/bole (trunk) at the point where diameter is measured, inclusive of bark; BA is expressed in square feet. For timber species the calculation is based on diameter at breast height (d.b.h.); for woodland species it is based on diameter at root collar (d.r.c.).

Biomass—The quantity of wood fiber, for trees 1.0 inch in diameter and larger, expressed in terms of oven-dry weight. Includes aboveground portions of trees: bole/stem (trunk), bark, and branches. Biomass estimates can be computed for live and/or dead trees.

Bole—A trunk or main stem of a tree; seedlings and saplings are specified as having stems rather than boles. Woodland trees are also referenced as having stems.

Condition—Generally defined as an area of relatively uniform ground cover, such as homogeneous vegetative cover, meeting minimum size requirements.

Cubic-foot volume (merchantable)—See "Volume."

Diameter at breast height (d.b.h.)—For timber species: the diameter of a tree bole/stem (trunk) measured at breast height (4.5 feet above ground); measured outside the bark. The point of diameter measurement may vary for abnormally formed trees.

Diameter at root collar (d.r.c.)—For woodland trees: the diameter of a tree stem(s) measured at root collar or at the point nearest the ground line (whichever is higher) that represents the basal area of the tree; measured outside the bark. For multistemmed woodland trees, d.r.c. is calculated from an equation that incorporates the individual stem diameter measurements. The point of diameter measurement may vary for woodland trees

with stems that are abnormally formed. With the exception of seedlings, woodland stems qualifying for measurement must be at least 1.0 inch in diameter or larger and at least 1.0 foot in length.

Diameter class—A grouping of tree diameters (d.b.h. or d.r.c.) into classes of a specified range. For some diameter classes, the number referenced (for example, 4, 6, 8 inches) is designated as the midpoint of an individual class range. For example, if 2-inch classes are specified (the range for an individual class) and even numbers are referenced, the 6-inch class would include trees 5.0 to 6.9 inches in diameter.

Field/plot location—A reference to the sample site or plot—an area containing the field location center (LC) and all sample points. The mapped-plot design field location consists of four subplots and four microplots distributed over approximately 2.5 acres.

- **Subplot**—A 1/24-acre fixed-radius area (24-foot horizontal radius) used to sample trees 5.0-inches d.b.h./d.r.c. and larger and understory vegetation.
- **Microplot**—A 1/300-acre fixed-radius plot (6.8-foot radius), located at the center of each subplot, used to inventory seedlings and saplings.

Fixed-radius plot—A circular sample plot of a specified horizontal radius: 1/300 acre = 6.8-foot radius (microplot); 1/24 acre = 24.0-foot radius (subplot).

Forest industry lands—See “Private lands.”

Forest land—Land that is at least 10 percent stocked with live tally tree species (timber or woodland species), including land that formerly had such stocking and that may be regenerated naturally or artificially. The minimum area for classification of forest land is 1 acre and 120-feet wide. Unimproved roads, trails, streams, and openings in forest areas are classified as forest land if they are less than 120-feet wide or 1 acre in size. For field use, sufficient tree crown cover (5 percent cover of tally tree species) or the presence of sufficient reproduction (40 tally tree species seedlings/saplings per acre) is used to represent 10 percent forest land stocking.

- **Timberland**—A subset of forest land, where the designated forest type is derived from timber species.
- **Woodland**—A subset of forest land, where the designated forest type is derived from woodland species.
- **Nonstocked forest land**—Formerly stocked forest land that currently has less than 10 percent stocking but has the potential to again become 10 percent stocked. Examples include recently harvested, burned, or windthrow-damaged areas.

Forest type (historic IW-FIA method)—A classification of forest land based on and named for the tree species presently forming a plurality of live-tree stocking. Stocking is an expression of the extent to which growing space is effectively utilized by live trees. Some exceptions to the single predominant species concept used for classifying forest type apply to sites where (1) hardwoods and softwoods occur together in a stand, or (2) when Engelmann spruce and subalpine fir occur together in a stand, and in combination they compose the predominant live-tree stocking. When

hardwoods (for example, maple, oak, or aspen trees) and softwoods (for example, Douglas-fir or ponderosa pine trees) occur together within a stand, forest type is determined as follows: First, the stocking percents of all softwoods are summed as a group, and then again for hardwoods, in order to determine which of the two overall groups has the most live-tree stocking. Next, the individual tree species from the group with the majority of stocking is selected as the forest type. When Engelmann spruce and subalpine fir (or corkbark fir) occur together in a stand, and in combination they constitute the predominant live-tree stocking, forest type is computed using the following criteria: First, all stocking percents are adjusted from an absolute base to a relative base, where the sum of all percents are equal to 100 percent maximum. Next, a stand is classified as an Engelmann spruce type if Engelmann spruce individually is greater than or equal to 20 percent relative stocking, and subalpine fir is less than 20 percent relative stocking. For all other stands where subalpine fir and Engelmann spruce together have plurality, the stand is classified as the spruce-fir type.

Growing stock—A term often used in cubic foot volume tables to describe which trees are included in the net volume, annual growth, and annual mortality estimates. Includes growing-stock trees 5.0-inches d.b.h. and greater (excludes woodland species).

Growing-stock tree—See “Tree class – Sound tree.”

Growth—

- **Gross annual growth**—The average annual increase in the volume of live trees (less deductions for cull volume).
- **Net annual growth**—Gross annual growth minus average annual mortality volume.

Hardwood trees—Trees that are usually broad-leaved and deciduous (leaves that fall off or shed at specific seasons).

Indian Trust lands—See “Private lands.”

Industrial wood—See “Logging residue/products.”

Large trees (Sawtimber trees)—See “Tree-size class.”

Logging residue/products—

- **Industrial wood**—All commercial roundwood products, excluding fuelwood.
- **Logging residue**—The unused portions within the merchantable sections of sound (growing-stock) trees cut or killed during logging operations.
- **Primary wood-processing plants**—An industrial plant that processes roundwood products, such as sawlogs, pulpwood bolts, or veneer logs.
- **Pulpwood**—Roundwood, whole-tree chips, or wood residues that are used for the production of wood pulp.
- **Roundwood**—Logs, bolts, or other round sections cut from trees.

Mapped-plot design—A sampling technique that identifies (maps) and separately classifies distinct “conditions” on the field location sample area.

Each condition must meet minimum size requirements. At the most basic level, condition class delineations include forest land, nonforest land, and water. Forest land conditions can be further subdivided into separate condition classes if there are distinct variations in forest type, stand-size, stand origin, and stand density, given that each distinct area meets minimum size requirements.

Medium trees (Poletimber trees)—See “Tree-size class.”

Microplot—See “Field/plot location.”

Mortality tree—A standing or downed dead tree, 1.0-inch d.b.h./d.r.c. and larger, that was alive within the past 5 years.

National Forest System (NFS) lands—See “Public lands.”

National Park System (NPS) lands—See “Public lands.”

Net annual growth—See “Growth.”

Nonforest land—For the FIA mapped-plot design baseline inventory, nonforest land includes three main categories: (1) nontree land, (2) nonsampled tree land, and (3) other tree land.

- **Nontree land**—This is land that (1) has never supported tree cover/stocking sufficient for classification as forest land (for example, barren, alpine tundra), or (2) was formerly tree land, but has been converted to a nontree land status (for example, cropland, improved pasture). Other examples of nontree land are improved roads of any width, graded or otherwise regularly maintained for long-term use, and rights-of-way of all powerlines, pipelines, other transmission lines, and operating railroads. If intermingled in forest areas, unimproved roads and nonforest strips must be at least 120-feet wide and 1 acre in size to qualify as nontree land. This category also includes formerly stocked woodland areas if they are currently nonstocked due to a treatment (such as chaining, other land clearing). These areas are treated to eliminate woodland trees for the purpose of enhancing or providing for nonwood commodities or uses (such as increasing herbage production).
- **Nonsampled tree land**—This is land that currently meets the cover or stocking requirements for forest land, but human activity on the site will preclude the natural succession of the stand (areas that might be included in this category are golf courses, cemeteries, picnic grounds, orchards, Christmas tree plantations, and home yards with mowed lawns).
- **Other tree land**—Land that is 10 percent stocked with trees defined as “other tree species” (nontally tree species) but has less than 10 percent stocking or 5 percent cover in tally tree species. Examples would include land stocked with tree species such as paloverde, tamarisk, or Russian olive. See “Other tree species.”

Nonindustrial private lands—See “Private lands.”

Nonreserved forest land—Forest land not withdrawn from management for production of wood products through statute or administrative designation.

Nonstocked forest land—See “Forest land.”

Other private lands—See “Private lands.”

Other public lands—See “Public lands.”

Other tree species (nontally species)—All species classified as trees (Little 1979) that have not at this time been designated nationally by FIA as tally tree species. For the purposes of classifying forest land, only tally tree species are used to determine if minimal stocking requirements have been met. Other tree species include turbinella oak, Russian olive, acacia, etc. See “Nonforest land – Other tree land.”

Poletimber-size trees (Medium trees)—See “Tree-size class.”

Poletimber stands (Medium tree stands)—See “Stand-size class.”

Primary wood-processing plants—See “Logging residue/products.”

Private lands—

- **Forest industry**—Land owned by a company or an individual(s) operating a primary wood-processing plant.
- **Indian Trust**—American Indian lands held in fee, or trust, by the Federal Government, but administered for tribal groups or as individual trust allotments.
- **Nonindustrial private**—All private ownerships except forest industry.
- **Other private**—Privately owned lands other than forest industry or Indian Trust.

Productivity—Developed for timber species, the potential yield capability of a stand calculated as a function of site index (expressed in terms of cubic-foot growth per acre per year at age of culmination of MAI). Productivity values for forest land provide an indication of biological potential. Timberland stands are classified by the potential net annual growth attainable in fully stocked natural stands. Woodland stands are given a default value of 10 cubic feet per acre per year. For FIA reporting, **Productivity Class** is a variable that groups stand productivity values into categories of a specified range. Productivity is sometimes referred to as “Yield” or “Mean annual increment (MAI).”

Public lands—

- **Miscellaneous Federal**—Public lands administered by Federal agencies other than the Forest Service, U.S. Department of Agriculture, or the Bureau of Land Management, U.S. Department of the Interior.
- **National Forest System (NFS)**—Public lands administered by the Forest Service, U.S. Department of Agriculture, such as National Forests, National Grasslands, and some National Recreation Areas.
- **National Park**—Public lands administered by the Park Service, U.S. Department of the Interior, such as National Parks, National Monuments, National Historic Sites (such as National Memorials and National Battlefields), and some National Recreation Areas.
- **Other public**—Public lands administered by agencies other than the Forest Service, U.S. Department of Agriculture. Includes lands administered by other Federal, State, county, and local government agencies, including lands leased by these agencies for more than 50 years.

Pulpwood—See “Logging residue/products.”

Removals—The net volume of growing stock removed from the inventory by harvesting or other cultural operations (such as timber-stand improvement), by land clearing, or by changes in land use (such as a shift to wilderness).

Reserved land—Land withdrawn from management for production of wood products through statute or administrative designation. Examples include Wilderness areas and National Parks and Monuments.

Sapling and seedling stands—See “Stand-size class.”

Saplings—See “Tree-size class.”

Sawlog portion (timber species)—That part of the bole of sawtimber-size trees between a 1-foot stump and the sawlog top.

Sawtimber—A term often used in board-foot-volume tables to describe which trees are included in net volume, annual growth, and annual mortality estimates. Includes growing-stock trees 9.0-inches d.b.h. and greater for softwoods, and 11.0-inches d.b.h. and greater for hardwoods.

Sawtimber-size trees (Large trees)—See “Tree-size class.”

Sawtimber stands (Large tree stands)—See “Stand-size class.”

Seedlings—See “Tree-size class.”

Site index—A measure of forest productivity for a timberland tree/stand. Expressed in terms of the expected height (in feet) of site trees at an index age of 50 (or 80 for aspen and cottonwood). Calculated from height-to-age equations.

Site productivity—See “Productivity.”

Site tree—A timber species tree used to provide an index of site quality. Timber species selected for site index calculations must meet specified criteria with regards to age, diameter, crown class, and damage (for example, no broken or dead top damage).

Snag—A standing dead tree. See “Tree class – Hard dead tree and Soft dead tree.”

Softwood trees—Coniferous trees that are usually evergreen (retain leaves year-round), and having needlelike or scalelike leaves.

Stand—A community of trees that can be distinguished from adjacent communities due to similarities and uniformity in tree and site characteristics, such as age-class distribution, species composition, spatial arrangement, structure, and so forth.

Stand density—A relative measure that quantifies the relationship between trees per acre, stand basal area, average stand diameter, and stocking of a forested stand. **Stand density index (SDI)**, a widely used measure developed by Reineke (1933), is an index that expresses relative stand density based on a comparison of measured stand values with some standard condition. For FIA reporting, the SDI for a site is usually presented as a percentage of the maximum SDI for the forest type. Site SDI values are sometimes grouped into SDI classes of a specified percentage range. Maximum SDI values vary by species and region.

Standard error—An expression that denotes the precision of an estimate, obtained by statistical sampling methods.

Stand-size class—A classification of forest land based on the predominant diameter size of live trees presently forming the majority of live-tree stocking. Classes are defined as follows:

- **Sawtimber stand (Large-tree stand)**—A stand at least 10 percent stocked with live trees, in which half or more of the total stocking is from live trees 5.0 inches or larger in diameter, and with sawtimber (large tree) stocking equal to or greater than poletimber (medium tree) stocking.
- **Poletimber stand (Medium-tree stand)**—A stand at least 10 percent stocked with live trees, in which half or more of the total stocking is from live trees 5.0 inches or larger in diameter, and with poletimber (medium tree) stocking exceeding sawtimber (large tree) stocking.
- **Sapling/seedling stand**—A stand at least 10 percent stocked with live trees, in which half or more of the total stocking is from live trees less than 5.0 inches in diameter.
- **Nonstocked stand**—A formerly stocked stand that currently has less than 10 percent stocking, but has the potential to again become 10 percent stocked. For example, recently harvested, burned, or windthrow-damaged areas.

Stocking—An expression of the extent to which growing space is effectively utilized by live trees.

Stocking condition (class)—A classification of forest land used to provide an indication of the extent to which a site is being utilized by live trees (including live cull trees).

- **Overstocked**—Sites at least 100 percent stocked.
- **Fully stocked**—Sites that are 60 to 100 percent stocked.
- **Medium to fully stocked**—Sites that are 35 to 60 percent stocked.
- **Poorly stocked**—Sites that are 10 to 35 percent stocked.
- **Nonstocked**—Sites with a stocking value less than 10.

Subplot—See “Field/plot location.”

Tally trees—Tree species that have been selected to be included in the field inventory/sample because they occur in a tree growth form throughout much of their range (Little 1979). Tally tree species are categorized as “timber” or “woodland” trees. Tally trees are evaluated for a variety of items (such as crown class, crown ratio, damage, rotten/missing material, form defect) and measurements (such as diameter, height) are taken on each tally tree. This information is used to obtain estimates of volume, growth, and mortality for the sample location. Tally tree data can also be used to obtain estimates for other site variables, such as site quality and health.

Timber species—Tree species traditionally used for industrial wood products. These include all species of conifers, except pinyon and juniper. Hardwoods included are aspen, box elder, cottonwood, and paper birch. Timber species are measured for diameter at breast height.

Timberland—See “Forest land.”

Tree class—A classification system based on a tree’s physical characteristics.

- Live trees are classified for Tree Class as follows:
 - **Sound tree (Growing-stock tree)**—A live timber species, 5.0-inches d.b.h. or larger, with less than two-thirds (67 percent) of the merchantable volume cull, and containing at least one solid 8-foot section, reasonably free of form defect, on the merchantable portion of the tree. A live timber species sapling (1.0- to 4.9-inches d.b.h.) is also included in this category if it is expected to become a sound live tree, 5.0-inches d.b.h. or larger, with good form and vigor.
 - **Rough tree**—A live timber species, 5.0-inches d.b.h. and larger, with two-thirds (67 percent) or more of the merchantable volume cull, and more than half of this cull is due to sound dead wood volume loss, or severe form-defect volume loss (such as severe sweep, crook, forks). Also, a live timber species sapling (1.0- to 4.9-inches d.b.h.) that is not expected to become a sound (growing-stock) tree due to defect, or a timber species (5.0-inches d.b.h. and larger) that does not now, or prospectively, have at least one solid 8-foot section, reasonably free of form defect, on the merchantable portion.
 - **Rotten tree**—A live timber species, 5.0-inches d.b.h. and larger, with two-thirds (67 percent) or more of the merchantable volume cull, and more than half of this cull is due to rotten and/or missing material.
 - **Live woodland tree**—A live tree of any woodland species.
- Dead trees (timber or woodland species) are classified for Tree Class as follows:
 - **Hard dead tree (Salvable dead tree)**—A standing dead tally tree, 1.0-inch d.b.h./d.r.c. or larger, that has a minimum of one-third of the original merchantable volume sound (less than two-thirds rotten and/or missing material). Also, a down-dead tally tree, 1.0-inch d.b.h./d.r.c. or larger, with a minimum of one-third of the original merchantable volume sound and intact. See “Downed tree” and “Standing tree.”
 - **Soft dead tree (Nonsalvable dead tree)**—A standing dead tree, 1.0-inch d.b.h./d.r.c. or larger, that has less than one-third of the original merchantable volume sound (more than two-thirds rotten/missing material). Also, a down-dead tree, 1.0-inch d.b.h./d.r.c. or larger, with less than one-third of the original merchantable bole sound and intact. See “Downed tree” and “Standing tree.”

Tree-size class—A classification of trees based on d.b.h. for timber species and d.r.c. for woodland species. For woodland trees, with the exception of seedlings, stems qualifying for measurement must be at least 1.0 inch in diameter or larger and at least 1.0 foot in length:

- **Seedling**—An established tree smaller than 1.0-inch d.b.h. for timber species or 1.0-inch d.r.c. for woodland trees, and at least 4 inches tall for softwoods and 12.0 inches tall for hardwoods.

- **Sapling**—A timber species 1.0- to 4.9-inches d.b.h.; also, a single-stemmed woodland tree 1.0- to 4.9-inches d.r.c., or a multistemmed woodland tree with a cumulative d.r.c. of 1.0- to 4.9-inches.
- **Poletimber-size tree or medium tree**—A timber species at least 5.0-inches d.b.h., but smaller than 9.0-inches d.b.h. for a softwood, and smaller than 11.0-inches d.b.h. for a hardwood. A woodland tree 5.0- to 8.9-inches d.r.c. (single stem measurement or computed multistem measurement) is also included in this category.
- **Sawtimber-size tree or large tree**—A timber species that is at least 9.0-inches d.b.h. for a softwood, and at least 11.0-inches d.b.h. for a hardwood. A woodland tree 9.0-inches d.r.c. and larger (single stem measurement or computed multistem measurement) is also included in this category.

Volume for Timber Species—

- **Annual mortality volume**—The net volume contained in timber species (standing or down) that have died over a 1-year period. This estimate is based on a 5-year average. Mortality volume for timber species can be calculated in terms of cubic feet or board feet. See “Mortality tree.”
- **Board-foot volume**—A board-foot is a unit of measure indicating the amount of wood contained in an unfinished board 1-foot wide, 1-foot long, and 1-inch thick. Board-foot volume is computed for the sawlog portion of a sawtimber-size tree; the sawlog portion includes the part of the bole on sawtimber-size tree from a 1-foot stump to a minimum sawlog top of 7-inches diameter outside bark (d.o.b.) for softwoods, or 9-inches d.o.b. for hardwoods. **Net board-foot volume** is calculated as the gross board-foot volume in the sawlog portion of a sawtimber-size tree, less deductions for cull (limited to rotten/missing material and form defect cull deductions, referred to as the **board-foot merchantability factor**). Board-foot volume estimates are computed in both Scribner and International $\frac{1}{4}$ -inch rule, and can be calculated for live and/or dead (standing or down) trees.
- **Cubic-foot volume (merchantable)**—A cubic foot is a unit of measure indicating the amount of wood contained in a cube 1 x 1 x 1 foot. Cubic-foot volume is computed for the merchantable portion of a timber species tree; the merchantable portion includes that part of a bole from a 1-foot stump to a minimum 4-inch top, d.o.b. Net cubic-foot volume is calculated as the gross cubic-foot volume in the merchantable portion of a tree, less deductions for cull (limited to rotten/missing cull deductions, referred to as the cubic-foot merchantability factor). Merchantable cubic-foot volume estimates can be calculated for live and/or dead (standing or down) trees.

Volume for Woodland Trees—

- **Annual mortality volume**—The net volume contained in woodland trees (standing or down) that have died over a 1-year period. This estimate is based on a 5-year average. Mortality volume for woodland trees is calculated in cubic feet. See “Mortality tree.”

- **Cubic-foot volume**—A cubic-foot is a unit of measure indicating the amount of wood contained in a cube 1x1x1 foot. Woodland cubic-foot volume is computed for trees 5.0 inches and larger in diameter.
 - **Dead volume**—For dead woodland trees, this volume is equal to gross cubic-foot volume. For live woodland trees, dead volume is calculated as gross cubic-foot volume times the field crew estimate of percent sound dead volume loss. Cull deductions are limited to the merchantable portion of a tree.
 - **Net volume**—The gross cubic-foot volume of live woodland trees, less deductions for rotten and missing material. This estimate includes volume for dead material on live trees. Cull deductions are limited to the merchantable portion of a tree.

Water—In terms of Ground Cover Classification, water includes streams, sloughs, estuaries, and canals more than 30 feet in width; and, lakes, reservoirs, and ponds more than 1 acre in size. Ephemeral and intermittent streams are classified as land. Water is further classified as “census water” or “noncensus” water as follows:

- **Census water**—Rivers, streams, sloughs, estuaries, and canals, more than 200 feet wide and 4.5 acres and larger in size; only portions of rivers and streams meeting the definition criteria are considered census water. Other census water includes lakes, reservoirs, and ponds more than 4.5 acres and larger in size. Portions of braided streams meeting the census water definition criteria and more than 50 percent water at normal high-water level are also considered census water.
- **Noncensus water**—Portions of rivers, streams, sloughs, estuaries, and canals that are 30 to 200 feet wide and at least 1 acre in size; and lakes, reservoirs, and ponds 1 to 4.5 acres in size. Portions of rivers and streams not meeting the criteria for census water, but at least 30 feet wide and 1 acre in size, are considered noncensus water. Portions of braided streams not meeting the criteria for census water, but at least 30 feet in width and 1 acre in size, and more than 50 percent water at normal high-water level are also considered noncensus water.

Wilderness—An area of undeveloped land currently included in the Wilderness System, managed to preserve its natural conditions and retain its primeval character and influence.

Woodland—See “Forest land.”

Woodland species—Tree species that are not usually converted into industrial wood products. Common uses of woodland trees are fuelwood, fenceposts, and Christmas trees. These species include pinyon, juniper (except western juniper), mesquite, locust, mountain-mahogany, Rocky Mountain maple, bigtooth maple, desert ironwood, and most oaks (chinkapin oak is classified as a timber species). Because woodland trees are extremely variable in form, diameter is measured at the root collar.

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Appendix A: Common Name, Scientific Name, and Timberland (T) or Woodland (W) Designation for Trees

Tree Species

Alligator juniper (*Juniperus deppeana*) W
Apache pine (*Pinus engelmannii*) T
Arizona white oak (*Quercus arizonica*) W
Aspen (*Populus tremuloides*) T
Bigtooth maple (*Acer grandidentatum*) W
Blue spruce (*Picea pungens*) T
Border pinyon (*Pinus discolor*) W
Boxelder (*Acer negundo*) T
Bristlecone pine (*Pinus aristata*) T
Chihuahua pine (*Pinus leiophylla*) T
Chinkapin oak (*Quercus muehlenbergii*) W
Corkbark fir (*Abies lasiocarpa* var. *arizonica*) T
Cottonwood (*Populus spp.*) T
Douglas-fir (*Pseudotsuga menziesii*) T
Emory oak (*Quercus emoryi*) W
Engelmann spruce (*Picea engelmannii*) T
Gambel oak (*Quercus gambelii*) W
Limber pine (*Pinus flexilis*) T
Mesquite (*Prosopis spp.*) W
Mexican blue oak (*Quercus oblongifolia*) W
Mexican pinyon pine (*Pinus cembroides*) W
New Mexico locust (*Robinia neomexicana* var. *neomexicana*) W
Oneseed juniper (*Juniperus monosperma*) W
Ponderosa pine (*Pinus ponderosa*) T
Rocky Mountain juniper (*Juniperus scopulorum*) W
Rocky Mountain maple (*Acer glabrum*) W
Screwbean mesquite (*Prosopis pubescens*) W
Silverleaf oak (*Quercus hypoleucoides*) W
Singleleaf pinyon (*Pinus monophylla*) W
Southwestern white pine (*Pinus strobiformis*) T
Subalpine fir (*Abies lasiocarpa*) T
Twoneedle pinyon (*Pinus edulis*) W
Utah juniper (*Juniperus osteosperma*) W
Velvet mesquite (*Prosopis velutina*) W
Western honey mesquite (*Prosopis glandulosa* v. *torreyana*) W
White fir (*Abies concolor*) T

Shrub Species

Big sagebrush (*Artemisia tridentata*)
Broom snakeweed (*Gutierrezia sarothrae*)
Chokecherry (*Prunus virginiana*)
Common juniper (*Juniperus communis*)
Fivestamen tamarisk (*Tamarix chinensis*)
Kinnikinnick (*Arctostaphylos uva-ursi*)
True mountain mahogany (*Cercocarpus montanus*)
Whortleberry (*Vaccinium myrtillus*)

Grass Species

Arizona fescue (*Festuca arizonica*)
Blue grama (*Bouteloua gracilis*)
Kentucky bluegrass (*Poa pratensis*)
Mountain muhly (*Muhlenbergia montana*)
Muttongrass (*Poa fendleriana*)
Sideoats grama (*Bouteloua curtipendula*)

Appendix B: Volume and Biomass Equation Sources

Volume

Chojnacky (1985) was used for Rocky Mountain maple, bigtooth maple, and ironwood volume estimation.

Chojnacky (1988a) was used for juniper, pinyon, Gambel oak, Arizona white oak, and mesquite volume estimation.

Chojnacky (1988b) was used for silverleaf oak, evergreen oak, Mexican blue oak, and Emory oak volume estimation.

Equation from North Central Station was used for New Mexico locust volume estimation.

Hann and Bare (1978) was used for all timber species volume estimation except cottonwood and boxelder.

Kemp (1958) was used for cottonwood and boxelder volume estimation.

Biomass

Chojnacky (1992) was used for all woodland hardwood biomass estimation.

Chojnacky and Moisen (1993) was used for pinyon and juniper biomass estimation.

Van Hooser and Chojnacky (1983) was used for all timber species biomass estimation.

Forest Inventory and Analysis Tables

Total Forest Land

Table 1-Total area by ownership class and land class, New Mexico, 2000

Ownership class	Land class						Total Acres
	Forest	Nonreserved Nonforest	Water	Total	Forest	Nonforest	
Land							
Public							
National Forest	6,867,544	1,071,129	--	7,938,673	1,224,747	163,515	--
Bureau of Land Management	966,167	11,515,535	--	12,481,703	154,371	134,036	--
National Park	--	--	--	--	159,005	216,333	--
Miscellaneous Federal	71,169	3,197,576	--	3,268,745	79,316	345,177	--
State	789,030	8,276,489	--	9,065,519	36,430	39,151	--
County and municipal	2,945	38,571	--	41,516	--	--	--
Total public	8,696,856	24,099,300	--	32,796,156	1,653,868	898,213	--
Private							
Indian Trust	2,013,557	5,701,374	7,434	7,722,365	50,303	--	--
Other private	4,267,249	30,278,585	6,867	34,552,701	--	--	--
Total private	6,280,806	35,979,960	14,300	42,275,066	50,303	--	--
Total land area	14,977,662	60,079,259	14,300	75,071,222	1,704,171	898,213	--
Water ^a	--	--	149,261	149,261	--	--	--
Total land and water ^b	14,977,662	60,079,259	163,561	75,220,483	1,704,171	898,213	--
					2,602,384	16,681,833	60,977,473
							14,300
							77,673,606
							149,261
							149,261
							163,561
							77,822,867

^a1990 Decennial Census as updated by WRIME.

^bSource: U.S. Bureau of the Census, 1991.

Table 2--Percent standard error for area, volume, growth, and mortality on forest land, New Mexico

Land class	Attribute	Area (acres)	Volume (thousand)	Percent standard error
Forest land^a				
	Area, 2000	16,681,833		±1.28
	Net volume, all live trees (cubic feet), 2000	15,979,328		±2.12
	Net annual growth, all tree classes (cubic feet), 1999	259,051		±3.30
	Annual mortality, all tree classes (cubic feet), 1999	46,681		±12.57
Nonreserved forest land:				
Timberland	Area, 2000	4,404,435		±2.92
	Net volume, 2000:			
	Growing stock (cubic feet)	7,060,129		±3.88
	Sawtimber - International ¼-inch rule (board feet)	29,478,625		±4.39
	Sawtimber - Scribner rule (board feet)	24,713,916		±4.41
	Net annual growth, 1999:			
	Growing stock (cubic feet)	141,020		±4.18
	Sawtimber - International ¼-inch rule (board feet)	710,916		±4.79
	Sawtimber - Scribner rule (board feet)	593,822		±4.71
	Annual mortality, 1999:			
	Growing stock (cubic feet)	21,711		±13.98
	Sawtimber - International ¼-inch rule (board feet)	85,063		±17.77
	Sawtimber - Scribner rule (board feet)	70,922		±18.29
Woodland	Area, 2000	10,573,227		±2.05
	Net volume, all live trees (cubic feet), 2000	5,769,989		±2.75
	Net annual growth, all tree classes (cubic feet), 1999	75,326		±6.68
	Annual mortality, all tree classes (cubic feet), 1999	10,387		±40.17
Reserved forest land:				
Timberland	Area, 2000	881,568		±5.59
	Net volume, Growing stock (cubic feet), 2000	2,180,610		±8.10
	Net annual growth, Growing stock (cubic feet), 1999	27,283		±13.46
	Annual mortality, Growing stock (cubic feet), 1999	12,334		±22.41
Woodland	Area, 2000	822,603		±6.81
	Net volume, all live trees (cubic feet), 2000	422,590		±11.42
	Net annual growth, all tree classes (cubic feet), 1999	5,055		±16.95
	Annual mortality, all tree classes (cubic feet), 1999	1,033		±50.84

^aIncludes cull volume on timberland and woodland that is not reported in growing stock numbers.

Table 3-Area of forest land by forest type, owner group, and land class, New Mexico, 2000

Forest type	Owner group						All owners Total					
	National Forest		Other public		Nonindustrial private							
	Nonreserved	Reserved	Total	Nonreserved	Reserved	Total						
Acres												
Aspen	213,866	48,821	262,687	6,731	--	6,731	88,516	7,186	95,703	309,113	56,007	365,120
Blue spruce	29,018	7,685	36,703	--	--	--	11,707	--	11,707	40,725	7,685	48,410
Bristlecone pine	6,130	5,893	12,022	--	--	--	18,795	--	18,795	24,925	5,893	30,817
Cottonwood	13,907	--	13,907	--	--	--	18,273	--	18,273	32,179	--	32,179
Deciduous woodland oak	275,864	104,852	380,716	36,438	7,805	44,243	347,153	--	347,153	659,454	112,657	772,111
Douglas-fir	469,149	139,770	608,919	39,450	--	39,450	248,078	21,558	248,078	756,676	161,328	918,005
Engelmann spruce	55,491	70,672	126,163	6,484	--	6,484	55,316	--	55,316	117,291	70,672	187,963
Evergreen oak	201,766	78,227	279,994	12,213	--	12,213	51,298	--	51,298	265,277	78,227	343,505
Juniper	303,962	--	303,962	222,434	31,619	254,053	520,963	--	520,963	1,047,359	31,619	1,078,978
Limber pine	24,674	--	24,674	--	--	--	4,538	--	4,538	29,213	--	29,213
Mesquite	14,363	--	14,363	--	10,527	10,527	6,692	--	6,692	21,056	10,527	31,582
Misc. western hardwoods	5,963	2,921	8,884	--	7,724	7,724	10,690	--	10,690	16,653	10,645	27,298
Other western softwoods	15,724	--	15,724	--	--	--	--	--	--	15,724	--	15,724
Pinyon-juniper	3,088,596	300,905	3,389,500	1,411,807	173,562	1,585,369	3,883,513	--	3,883,513	8,383,916	474,467	8,858,382
Ponderosa pine	1,565,805	269,209	1,835,014	77,977	93,743	171,720	790,636	7,186	797,822	2,434,417	370,139	2,804,556
Spruce-fir	92,421	96,364	188,784	--	--	--	82,723	14,372	97,096	175,144	110,736	285,880
White fir	245,402	78,827	324,229	15,780	--	15,780	110,101	--	110,101	371,283	78,827	450,110
Nonstocked timberland	78,676	5,851	84,527	--	14,431	14,431	19,070	--	19,070	97,746	20,281	118,027
Nonstocked woodland	166,788	14,750	181,518	--	89,711	89,711	12,743	--	12,743	179,512	104,461	283,973
All types ^a	6,867,544	1,224,747	8,092,291	1,829,312	429,121	2,258,433	6,280,806	50,303	6,331,109	14,977,662	1,704,171	16,681,833

^aOn this and all subsequent tables, totals may vary due to rounding.

Table 4--Area of forest land by forest type, stand-size class, and productivity class, New Mexico, 2000

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
Aspen					
Sawtimber	--	47,386	47,391	--	94,777
Poletimber	4,908	41,301	186,027	--	232,237
Sapling/seedling	--	14,560	23,546	--	38,107
Nonstocked	--	--	--	--	--
Total	4,908	103,247	256,964	--	365,120
Blue spruce					
Sawtimber	--	41,731	--	--	41,731
Poletimber	--	--	6,679	--	6,679
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	41,731	6,679	--	48,410
Bristlecone pine					
Sawtimber	--	--	18,795	--	18,795
Poletimber	--	--	6,130	--	6,130
Sapling/seedling	--	--	5,893	--	5,893
Nonstocked	--	--	--	--	--
Total	--	--	30,817	--	30,817
Cottonwood					
Sawtimber	--	--	26,129	--	26,129
Poletimber	--	--	6,050	--	6,050
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	32,179	--	32,179
Deciduous woodland oak					
Sawtimber	--	--	--	107,058	107,058
Poletimber	--	--	--	204,042	204,042
Sapling/seedling	--	--	--	461,012	461,012
Nonstocked	--	--	--	--	--
Total	--	--	--	772,111	772,111
Douglas-fir					
Sawtimber	11,450	311,580	399,817	10,040	732,887
Poletimber	--	31,861	117,973	1,513	151,347
Sapling/seedling	--	1,527	32,244	--	33,771
Nonstocked	--	--	--	--	--
Total	11,450	344,968	550,034	11,553	918,005
Engelmann spruce					
Sawtimber	21,658	83,673	47,297	--	152,627
Poletimber	--	15,178	11,752	--	26,929
Sapling/seedling	--	6,130	2,276	--	8,406
Nonstocked	--	--	--	--	--
Total	21,658	104,980	61,325	--	187,963
Evergreen oak					
Sawtimber	--	--	--	99,242	99,242
Poletimber	--	--	--	181,946	181,946
Sapling/seedling	--	--	--	62,316	62,316
Nonstocked	--	--	--	--	--
Total	--	--	--	343,505	343,505
Juniper					
Sawtimber	--	--	--	776,670	776,670
Poletimber	--	--	--	274,426	274,426
Sapling/seedling	--	--	--	27,882	27,882
Nonstocked	--	--	--	--	--
Total	--	--	--	1,078,978	1,078,978
Limber pine					
Sawtimber	--	--	29,213	--	29,213
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	29,213	--	29,213

(con.)

Table 4 (Con.)

Forest type and stand-size class	Productivity class					Total
	85-119	50-84	20-49	0-19		
----- Acres -----						
Mesquite						
Sawtimber	--	--	--	6,894	6,894	
Poletimber	--	--	--	--	--	
Sapling/seedling	--	--	--	24,689	24,689	
Nonstocked	--	--	--	--	--	
Total	--	--	--	31,582	31,582	
Misc. western hardwoods						
Sawtimber	--	--	--	--	--	
Poletimber	--	--	--	2,921	2,921	
Sapling/seedling	--	--	--	24,377	24,377	
Nonstocked	--	--	--	--	--	
Total	--	--	--	27,298	27,298	
Other western softwoods						
Sawtimber	--	5,963	9,761	--	15,724	
Poletimber	--	--	--	--	--	
Sapling/seedling	--	--	--	--	--	
Nonstocked	--	--	--	--	--	
Total	--	5,963	9,761	--	15,724	
Pinyon-juniper						
Sawtimber	--	--	--	5,202,589	5,202,589	
Poletimber	--	--	--	3,452,811	3,452,811	
Sapling/seedling	--	--	--	202,983	202,983	
Nonstocked	--	--	--	--	--	
Total	--	--	--	8,858,382	8,858,382	
Ponderosa pine						
Sawtimber	30,527	470,000	1,895,065	49,437	2,445,029	
Poletimber	--	7,034	229,927	--	236,961	
Sapling/seedling	--	14,270	108,296	--	122,566	
Nonstocked	--	--	--	--	--	
Total	30,527	491,303	2,233,288	49,437	2,804,556	
Spruce-fir						
Sawtimber	--	119,718	104,507	--	224,225	
Poletimber	--	18,505	33,686	--	52,191	
Sapling/seedling	--	--	9,464	--	9,464	
Nonstocked	--	--	--	--	--	
Total	--	138,223	147,657	--	285,880	
White fir						
Sawtimber	18,152	294,366	86,440	--	398,959	
Poletimber	--	19,056	25,770	--	44,826	
Sapling/seedling	--	--	6,325	--	6,325	
Nonstocked	--	--	--	--	--	
Total	18,152	313,422	118,535	--	450,110	
Nonstocked timberland						
Sawtimber	--	--	--	--	--	
Poletimber	--	--	--	--	--	
Sapling/seedling	--	--	--	--	--	
Nonstocked	5,865	42,463	69,699	--	118,027	
Total	5,865	42,463	69,699	--	118,027	
Nonstocked woodland						
Sawtimber	--	--	--	--	--	
Poletimber	--	--	--	--	--	
Sapling/seedling	--	--	--	--	--	
Nonstocked	--	--	--	283,973	283,973	
Total	--	--	--	283,973	283,973	
All types						
Sawtimber	81,786	1,374,418	2,664,415	6,251,929	10,372,548	
Poletimber	4,908	132,934	623,994	4,117,659	4,879,495	
Sapling/seedling	--	36,487	188,044	803,259	1,027,790	
Nonstocked	5,865	42,463	69,699	283,973	402,000	
Total	92,560	1,586,302	3,546,151	11,456,820	16,681,833	

Table 5--Area of National Forest System forest land by forest type, stand-size class, and productivity class, New Mexico, 2000

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
Aspen					
Sawtimber	--	34,729	27,865	--	62,594
Poletimber	4,908	25,260	146,300	--	176,468
Sapling/seedling	--	6,130	17,495	--	23,625
Nonstocked	--	--	--	--	--
Total	4,908	66,119	191,660	--	262,687
Blue spruce					
Sawtimber	--	30,025	--	--	30,025
Poletimber	--	--	6,679	--	6,679
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	30,025	6,679	--	36,703
Bristlecone pine					
Sawtimber	--	--	--	--	--
Poletimber	--	--	6,130	--	6,130
Sapling/seedling	--	--	5,893	--	5,893
Nonstocked	--	--	--	--	--
Total	--	--	12,022	--	12,022
Cottonwood					
Sawtimber	--	--	13,907	--	13,907
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	13,907	--	13,907
Deciduous woodland oak					
Sawtimber	--	--	--	62,852	62,852
Poletimber	--	--	--	60,439	60,439
Sapling/seedling	--	--	--	257,425	257,425
Nonstocked	--	--	--	--	--
Total	--	--	--	380,716	380,716
Douglas-fir					
Sawtimber	11,450	253,465	282,389	--	547,304
Poletimber	--	17,322	32,089	--	49,410
Sapling/seedling	--	--	12,204	--	12,204
Nonstocked	--	--	--	--	--
Total	11,450	270,787	326,682	--	608,919
Engelmann spruce					
Sawtimber	21,658	52,338	34,287	--	108,283
Poletimber	--	5,451	6,299	--	11,750
Sapling/seedling	--	6,130	--	--	6,130
Nonstocked	--	--	--	--	--
Total	21,658	63,919	40,586	--	126,163
Evergreen oak					
Sawtimber	--	--	--	67,480	67,480
Poletimber	--	--	--	150,198	150,198
Sapling/seedling	--	--	--	62,316	62,316
Nonstocked	--	--	--	--	--
Total	--	--	--	279,994	279,994
Juniper					
Sawtimber	--	--	--	245,828	245,828
Poletimber	--	--	--	31,778	31,778
Sapling/seedling	--	--	--	26,355	26,355
Nonstocked	--	--	--	--	--
Total	--	--	--	303,962	303,962
Limber pine					
Sawtimber	--	--	24,674	--	24,674
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	24,674	--	24,674

(con.)

Table 5 (Con.)

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
Mesquite					
Sawtimber	--	--	--	6,894	6,894
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	7,470	7,470
Nonstocked	--	--	--	--	--
Total	--	--	--	14,363	14,363
Misc. western hardwoods					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	2,921	2,921
Sapling/seedling	--	--	--	5,963	5,963
Nonstocked	--	--	--	--	--
Total	--	--	--	8,884	8,884
Other western softwoods					
Sawtimber	--	5,963	9,761	--	15,724
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	5,963	9,761	--	15,724
Pinyon-juniper					
Sawtimber	--	--	--	2,202,888	2,202,888
Poletimber	--	--	--	1,020,324	1,020,324
Sapling/seedling	--	--	--	166,288	166,288
Nonstocked	--	--	--	--	--
Total	--	--	--	3,389,500	3,389,500
Ponderosa pine					
Sawtimber	30,527	389,256	1,183,336	8,579	1,611,697
Poletimber	--	1,466	143,462	--	144,929
Sapling/seedling	--	6,546	71,842	--	78,388
Nonstocked	--	--	--	--	--
Total	30,527	397,268	1,398,640	8,579	1,835,014
Spruce-fir					
Sawtimber	--	81,693	71,839	--	153,533
Poletimber	--	6,983	18,804	--	25,788
Sapling/seedling	--	--	9,464	--	9,464
Nonstocked	--	--	--	--	--
Total	--	88,677	100,108	--	188,784
White fir					
Sawtimber	18,152	203,017	61,014	--	282,183
Poletimber	--	19,056	16,664	--	35,721
Sapling/seedling	--	--	6,325	--	6,325
Nonstocked	--	--	--	--	--
Total	18,152	222,074	84,003	--	324,229
Nonstocked timberland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	5,865	25,500	53,161	--	84,527
Total	5,865	25,500	53,161	--	84,527
Nonstocked woodland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	181,518	181,518
Total	--	--	--	181,518	181,518
All types					
Sawtimber	81,786	1,050,487	1,709,072	2,594,520	5,435,866
Poletimber	4,908	75,538	376,428	1,265,661	1,722,535
Sapling/seedling	--	18,805	123,223	525,817	667,845
Nonstocked	5,865	25,500	53,161	181,518	266,045
Total	92,560	1,170,331	2,261,884	4,567,516	8,092,291

Table 6--Area of other publicly owned forest land by forest type, stand-size class, and productivity class, New Mexico, 2000

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
Aspen					
Sawtimber	--	--	6,731	--	6,731
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	6,731	--	6,731
Blue spruce					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Bristlecone pine					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Cottonwood					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Deciduous woodland oak					
Sawtimber	--	--	--	5,543	5,543
Poletimber	--	--	--	21,636	21,636
Sapling/seedling	--	--	--	17,064	17,064
Nonstocked	--	--	--	--	--
Total	--	--	--	44,243	44,243
Douglas-fir					
Sawtimber	--	--	31,560	--	31,560
Poletimber	--	--	7,890	--	7,890
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	39,450	--	39,450
Engelmann spruce					
Sawtimber	--	6,484	--	--	6,484
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	6,484	--	--	6,484
Evergreen oak					
Sawtimber	--	--	--	6,670	6,670
Poletimber	--	--	--	5,543	5,543
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	12,213	12,213
Juniper					
Sawtimber	--	--	--	207,912	207,912
Poletimber	--	--	--	46,141	46,141
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	254,053	254,053
Limber pine					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--

(con.)

Table 6 (Con.)

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
Mesquite					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	10,527	10,527
Nonstocked	--	--	--	--	--
Total	--	--	--	10,527	10,527
Misc. western hardwoods					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	7,724	7,724
Nonstocked	--	--	--	--	--
Total	--	--	--	7,724	7,724
Other western softwoods					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Pinyon-juniper					
Sawtimber	--	--	--	955,197	955,197
Poletimber	--	--	--	602,255	602,255
Sapling/seedling	--	--	--	27,917	27,917
Nonstocked	--	--	--	--	--
Total	--	--	--	1,585,369	1,585,369
Ponderosa pine					
Sawtimber	--	--	112,050	15,449	127,499
Poletimber	--	--	28,772	--	28,772
Sapling/seedling	--	7,724	7,724	--	15,449
Nonstocked	--	--	--	--	--
Total	--	7,724	148,547	15,449	171,720
Spruce-fir					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
White fir					
Sawtimber	--	7,890	7,890	--	15,780
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	7,890	7,890	--	15,780
Nonstocked timberland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	14,431	--	14,431
Total	--	--	14,431	--	14,431
Nonstocked woodland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	89,711	89,711
Total	--	--	--	89,711	89,711
All types					
Sawtimber	--	14,374	158,231	1,190,769	1,363,374
Poletimber	--	--	36,662	675,575	712,237
Sapling/seedling	--	7,724	7,724	63,232	78,681
Nonstocked	--	--	14,431	89,711	104,142
Total	--	22,098	217,048	2,019,287	2,258,433

Table 7--Area of nonindustrial private forest land by forest type, stand-size class, and productivity class, New Mexico, 2000

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
Aspen					
Sawtimber	--	12,657	12,796	--	25,452
Poletimber	--	16,042	39,727	--	55,769
Sapling/seedling	--	8,430	6,051	--	14,481
Nonstocked	--	--	--	--	--
Total	--	37,129	58,574	--	95,703
Blue spruce					
Sawtimber	--	11,707	--	--	11,707
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	11,707	--	--	11,707
Bristlecone pine					
Sawtimber	--	--	18,795	--	18,795
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	18,795	--	18,795
Cottonwood					
Sawtimber	--	--	12,223	--	12,223
Poletimber	--	--	6,050	--	6,050
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	18,273	--	18,273
Deciduous woodland oak					
Sawtimber	--	--	--	38,663	38,663
Poletimber	--	--	--	121,967	121,967
Sapling/seedling	--	--	--	186,523	186,523
Nonstocked	--	--	--	--	--
Total	--	--	--	347,153	347,153
Douglas-fir					
Sawtimber	--	58,115	85,868	10,040	154,023
Poletimber	--	14,539	77,994	1,513	94,046
Sapling/seedling	--	1,527	20,040	--	21,567
Nonstocked	--	--	--	--	--
Total	--	74,182	183,902	11,553	269,636
Engelmann spruce					
Sawtimber	--	24,851	13,010	--	37,860
Poletimber	--	9,727	5,452	--	15,179
Sapling/seedling	--	--	2,276	--	2,276
Nonstocked	--	--	--	--	--
Total	--	34,577	20,739	--	55,316
Evergreen oak					
Sawtimber	--	--	--	25,092	25,092
Poletimber	--	--	--	26,206	26,206
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	51,298	51,298
Juniper					
Sawtimber	--	--	--	322,930	322,930
Poletimber	--	--	--	196,506	196,506
Sapling/seedling	--	--	--	1,527	1,527
Nonstocked	--	--	--	--	--
Total	--	--	--	520,963	520,963
Limber pine					
Sawtimber	--	--	4,538	--	4,538
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	4,538	--	4,538

(con.)

Table 7 (Con.)

Forest type and stand-size class	Productivity class				
	85-119	50-84	20-49	0-19	Total
----- Acres -----					
Mesquite					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	6,692	6,692
Nonstocked	--	--	--	--	--
Total	--	--	--	6,692	6,692
Misc. western hardwoods					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	10,690	10,690
Nonstocked	--	--	--	--	--
Total	--	--	--	10,690	10,690
Other western softwoods					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Pinyon-juniper					
Sawtimber	--	--	--	2,044,504	2,044,504
Poletimber	--	--	--	1,830,232	1,830,232
Sapling/seedling	--	--	--	8,777	8,777
Nonstocked	--	--	--	--	--
Total	--	--	--	3,883,513	3,883,513
Ponderosa pine					
Sawtimber	--	80,743	599,679	25,410	705,833
Poletimber	--	5,567	57,692	--	63,259
Sapling/seedling	--	--	28,729	--	28,729
Nonstocked	--	--	--	--	--
Total	--	86,311	686,101	25,410	797,822
Spruce-fir					
Sawtimber	--	38,025	32,667	--	70,692
Poletimber	--	11,522	14,882	--	26,403
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	49,547	47,549	--	97,096
White fir					
Sawtimber	--	83,459	17,536	--	100,995
Poletimber	--	--	9,106	--	9,106
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	83,459	26,642	--	110,101
Nonstocked timberland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	16,963	2,108	--	19,070
Total	--	16,963	2,108	--	19,070
Nonstocked woodland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	12,743	12,743
Total	--	--	--	12,743	12,743
All types					
Sawtimber	--	309,557	797,112	2,466,639	3,573,308
Poletimber	--	57,397	210,903	2,176,424	2,444,724
Sapling/seedling	--	9,958	57,097	214,210	281,264
Nonstocked	--	16,963	2,108	12,743	31,814
Total	--	393,874	1,067,219	4,870,016	6,331,109

Table 8--Area of forest land by stand volume and owner group, New Mexico, 2000

Stand volume per acre ^a	Owner group			
	National Forest	Other public	Nonindustrial private	Total
Acres				
Less than 1,500 board feet	4,621,729	2,043,978	4,898,509	11,564,216
1,500 to 4,999 board feet	1,349,304	154,575	794,777	2,298,656
5,000 to 9,999 board feet	1,128,702	46,665	423,964	1,599,330
10,000 board feet or more	992,556	13,214	213,860	1,219,631
Total	8,092,291	2,258,433	6,331,109	16,681,833

^aInternational 1/4-inch rule.**Table 9--Area of forest land by forest type and stocking condition, New Mexico, 2000**

Forest type	Stocking condition					Woodland	Total
	Overstocked timberland	Fully stocked timberland	Medium to fully stocked timberland	Poorly stocked timberland	Nonstocked timberland		
Acres							
Aspen	62,995	176,320	98,431	27,374	--	--	365,120
Blue spruce	--	30,050	18,006	354	--	--	48,410
Bristlecone pine	--	6,130	11,965	12,722	--	--	30,817
Cottonwood	--	--	11,476	20,703	--	--	32,179
Deciduous woodland oak	--	--	--	--	--	772,111	772,111
Douglas-fir	39,447	327,952	418,918	131,687	--	--	918,005
Engelmann spruce	9,840	106,019	53,453	18,650	--	--	187,963
Evergreen oak	--	--	--	--	--	343,505	343,505
Juniper	--	--	--	--	--	1,078,978	1,078,978
Limber pine	--	10,404	18,809	--	--	--	29,213
Mesquite	--	--	--	--	--	31,582	31,582
Misc. western hardwoods	--	--	--	--	--	27,298	27,298
Other western softwoods	--	3,979	10,255	1,491	--	--	15,724
Pinyon-juniper	--	--	--	--	--	8,858,382	8,858,382
Ponderosa pine	6,086	401,707	1,421,012	975,751	--	--	2,804,556
Spruce-fir	39,667	184,261	56,057	5,896	--	--	285,880
White fir	--	200,932	186,687	62,491	--	--	450,110
Nonstocked timberland	--	--	--	--	118,027	--	118,027
Nonstocked woodland	--	--	--	--	--	283,973	283,973
All types	158,035	1,447,752	2,305,071	1,257,119	118,027	11,395,830	16,681,833

Table 10--Area of forest land by forest type and basal area class, New Mexico, 2000

Forest type	Basal area class						Total
	0	1-25	26-50	51-75	76-100	101-150	
Aspen	162	27,311	6,130	40,836	53,534	104,132	74,086
Blue spruce	354	--	--	--	4,733	19,403	41,073
Bristlecone pine	--	5,893	6,829	11,965	--	6,130	23,920
Cottonwood	--	--	12,223	14,530	5,426	--	--
Deciduous woodland oak	19,838	74,234	179,012	146,194	86,560	176,248	72,138
Douglas-fir	--	5,674	23,880	94,162	118,648	320,545	220,492
Engelmann spruce	--	2,276	17,053	5,451	9,943	42,998	56,602
Evergreen oak	6,429	81,194	77,542	46,652	41,050	52,248	38,389
Juniper	8,299	217,560	294,356	330,702	101,441	88,953	24,797
Limber pine	--	--	--	--	6,210	12,599	10,404
Mesquite	7,470	17,219	6,894	--	--	--	--
Misc. western hardwoods	13,833	5,963	4,582	--	--	--	--
Other western softwoods	--	--	1,491	--	--	10,255	3,979
Pinyon-juniper	33,267	718,715	1,762,475	1,936,601	1,540,502	2,108,047	574,841
Ponderosa pine	725	82,263	272,689	508,331	745,814	928,433	195,087
Spruce-fir	1,029	3,334	1,532	6,130	--	62,010	77,873
White fir	--	--	6,325	34,533	54,311	144,766	143,269
Nonstocked timberland	14,285	103,743	--	--	--	--	53,632
Nonstocked woodland	118,548	165,425	--	--	--	--	13,274
All types	224,238	1,510,804	2,673,011	3,176,088	2,768,172	4,076,767	1,511,898
							585,316
							111,687
							25,706
							15,706
							25,420
							2,726
							16,681,833

Table 11--Area of forest land by forest type and stand-age class, New Mexico, 2000

Forest type	Nonstocked/ unclassified	Stand-age class						All classes		
		1-50	51-100	101-150	151-200	201-250	251-300	301-350	351-400	401-450
Acres										
Aspen	--	38,107	267,404	52,423	7,186	--	--	--	--	--
Blue spruce	--	354	16,106	31,950	--	--	--	--	--	48,410
Bristlecone pine	--	5,893	--	24,925	--	--	--	--	--	30,817
Cottonwood	--	--	32,179	179,291	42,658	25,043	--	--	--	32,179
Deciduous woodland oak	18,538	506,582	433,028	288,073	104,485	46,075	--	--	--	772,111
Douglas-fir	--	46,345	--	--	--	--	--	--	--	918,005
Engelmann spruce	--	19,160	78,486	24,752	65,564	--	--	--	--	187,963
Evergreen oak	12,313	65,971	175,996	60,505	23,374	5,346	--	--	--	343,505
Juniper	5,928	187,964	496,426	238,616	101,435	33,989	7,561	--	7,058	1,078,978
Limber pine	--	--	--	12,165	10,838	6,210	--	--	--	29,213
Mesquite	--	6,692	17,420	7,470	--	--	--	--	--	31,582
Misc. western hardwoods	--	24,377	--	2,921	--	--	--	--	--	27,298
Other western softwoods	--	--	--	15,724	--	--	--	--	--	15,724
Pinyon-juniper	26,099	1,179,452	4,405,703	1,661,909	1,152,552	264,447	128,675	25,647	12,742	1,157
Ponderosa pine	14,015	199,625	1,563,771	800,620	191,770	27,030	7,724	--	--	2,804,556
Spruce-fir	--	9,464	69,753	116,209	90,454	--	--	--	--	285,880
White fir	--	6,325	200,867	224,072	18,846	--	--	--	--	450,110
Nonstocked timberland	118,027	--	--	--	--	--	--	--	--	118,027
Nonstocked woodland	283,973	--	--	--	--	--	--	--	--	283,973
All types	478,893	2,296,311	7,936,429	3,604,991	1,791,547	383,097	143,960	25,647	12,742	8,216
										16,681,833

Table 12--Area of forest land by land category, forest type group and percent stand density index, New Mexico, 2000

Hardwood/softwood type	Percent of maximum stand density index (SDI)					Total Acres
	<10	10.0-24.9	25.0-34.9	35.0-49.9	50.0-59.9	
Timberland						
Softwoods						
Pine	70,119	510,515	554,221	895,984	364,103	409,615
Mixed conifer	12,353	255,355	317,263	518,037	168,235	145,281
Spruce-fir	24,832	42,960	61,406	182,837	115,135	106,703
Other	--	1,491	--	--	10,256	3,979
Nonstocked	102,717	--	1,491	--	--	3,979
Hardwoods	42,783	67,420	66,541	113,713	28,168	--
Woodland						93,983
Softwoods	1,117,101	3,193,399	2,153,813	2,013,331	967,387	723,735
Hardwoods	219,193	307,078	175,222	141,135	110,348	274,085
Total forest land	1,589,098	4,378,219	3,328,467	3,865,037	1,763,632	1,757,380
						16,681,833

Table 13--Area of forest land by habitat type series and forest type, New Mexico, 2000

Habitat type series	Forest type										All types
	Misc.	Other	western	Pinyon-	Ponderosa	Nonstocked	Nonstocked	timberland	woodland		
	western	hardwoods	softwoods	juniper	pine	spruce-fir	fir	white			
White fir	134,507	--	--	--	397,894	--	--	2,921	5,963	40,778	352,311
Subalpine fir	72,171	13,656	--	--	65,530	98,340	--	--	--	--	426,847
Engelmann spruce	82,937	4,733	5,893	--	82,814	87,147	--	--	--	263,082	10,219
Blue spruce	9,773	30,022	--	--	34,279	2,276	--	--	--	22,798	5,569
Ponderosa pine	22,109	--	13,907	297,195	--	--	22,630	90,153	--	17,663	16,361
Douglas-fir	43,462	--	--	154,537	337,488	--	--	19,198	6,210	--	1,466
Fremont poplar	162	--	--	18,273	--	--	--	6,109	9,761	687,695	1,891,375
Juniper woodland	--	--	--	--	3,026	--	--	--	--	559,403	--
Pinyon pine	--	--	--	--	7,575	--	--	12,157	--	--	51,153
Mesquite	--	--	--	--	--	49,266	73,287	--	6,692	--	1,759,475
Bristlecone pine	--	--	24,925	--	--	--	--	--	5,263	--	--
Limber pine	--	--	--	--	--	--	--	--	--	--	--
Scarp	--	--	--	--	--	--	4,538	--	--	--	--
Madrean oak	--	--	--	--	7,375	--	6,137	11,151	--	32,227	--
Gambel oak	--	--	--	--	38,528	--	--	29,191	7,058	--	35,062
Unclassified	--	--	--	--	186,845	--	--	217,082	714,686	--	4,582
Total	365,120	48,410	30,817	32,179	772,111	918,005	187,963	343,505	1,078,978	29,213	31,582
											15,724
											27,298
											285,880
											450,110
											118,027
											283,973
											16,681,833

Table 14—Number of live trees on forest land by species and diameter class, New Mexico, 2000

Species	1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	14.0- 16.9	15.0- 16.9	16.0- 18.9	17.0- 18.9	18.0- 20.9	19.0- 22.9	20.0- 24.9	21.0- 24.9	22.0- 26.9	23.0- 28.9	24.0- 28.9	All classes																				
	Diameter class (inches)																																						
— Thousand trees —																																							
<i>— Thousand trees —</i>																																							
Alligator juniper ^a	79,038	39,553	27,800	21,477	13,951	8,707	7,323	5,513	4,207	2,684	2,171	2,038	683	773	1,644	217,563																							
Apache pine	402	--	119	173	--	119	129	--	--	--	--	--	--	--	--	--	--	--	--	941																			
Blue spruce	12,822	3,555	3,391	2,059	1,686	1,248	421	277	158	86	44	38	--	--	--	--	35	25,820																					
Border pinyon ^a	5,606	445	792	772	429	491	61	41	--	--	--	--	--	--	--	--	--	--	8,638																				
Bristlecone pine	--	1,414	1,172	1,156	619	409	146	273	72	37	--	--	55	--	--	--	--	--	5,352																				
Chihuahua pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14																				
Corkbark fir	89,401	42,120	19,284	10,881	6,083	4,124	1,945	1,192	505	275	160	--	--	--	--	--	--	--	175,985																				
Douglas-fir	125,597	89,178	58,444	39,949	25,983	18,334	11,955	7,448	5,057	2,901	2,831	1,342	723	491	673	673	390,906																						
Engelmann spruce	65,116	38,262	24,634	18,241	13,916	9,677	7,380	3,903	2,661	1,277	909	470	141	161	155	155	186,901																						
Limber pine	8,892	5,134	4,495	2,994	2,209	1,202	935	376	315	43	153	111	36	38	--	--	26,933																						
Mexican pinyon pine ^a	--	--	456	249	41	--	83	--	41	--	--	--	--	--	--	--	--	--	913																				
One-seed juniper ^a	146,223	81,192	81,293	70,652	59,849	47,993	37,941	27,188	17,909	10,929	7,109	4,160	3,075	2,070	2,237	2,237	599,818																						
Ponderosa pine	166,728	142,356	112,176	83,816	59,363	42,042	25,480	18,712	9,799	6,527	3,905	2,260	1,488	874	634	634	676,160																						
Rocky Mountain juniper ^a	67,807	28,394	25,012	16,962	11,544	6,249	4,470	3,327	2,235	1,230	769	494	108	164	118	118	168,883																						
Singleleaf pinyon ^a	--	--	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	36																					
Southwestern white pine	11,661	8,866	4,637	2,389	1,998	1,557	978	730	364	337	277	117	65	--	--	--	33,978																						
Subalpine fir	6,604	1,558	1,504	1,143	1,117	523	534	322	322	--	--	36	--	--	--	--	13,663																						
Twoneedle pinyon ^a	603,142	366,618	262,284	152,668	80,561	41,227	19,374	10,339	4,975	2,565	527	305	220	140	69	69	1,545,014																						
Utah juniper ^a	31,705	16,570	9,818	7,161	6,051	5,102	4,501	3,802	2,756	2,234	916	1,143	412	170	553	553	92,897																						
White fir	97,105	46,181	30,564	21,392	14,864	10,004	6,087	3,419	2,725	1,401	1,110	666	262	241	295	295	236,317																						
Softwood total	1,517,849	911,395	667,910	454,134	300,264	199,049	129,659	86,947	54,060	32,583	20,882	13,233	7,228	5,123	6,412	6,406,730																							
Arizona white oak ^a	226,311	42,367	25,698	12,429	8,280	4,397	1,896	1,196	449	295	160	226	120	--	--	--	323,825																						
Aspen	73,420	57,942	48,386	30,759	15,604	7,274	2,994	1,757	792	384	113	--	--	--	--	--	239,424																						
Bigtooth maple ^a	23,726	5,673	436	362	184	37	--	74	--	--	--	--	--	--	--	--	30,491																						
Boxelder	--	--	34	--	34	--	--	--	--	--	--	--	--	--	--	--	67																						
Chinkapin oak	--	--	74	74	37	--	--	--	--	--	--	--	--	--	--	--	185																						
Cottonwood	862	409	569	481	108	242	64	36	36	44	37	36	46	--	37	37	3,010																						
Emory oak ^a	18,667	5,124	1,798	477	415	498	254	36	95	--	--	--	75	--	82	82	27,522																						
Gambel oak ^a	1,798,150	313,014	74,031	20,994	6,389	3,075	1,442	765	601	489	253	22	70	32	32	32	31	2,219,356																					
Mesquite ^a	1,130	--	--	--	41	75	--	--	--	--	--	--	--	--	--	--	1,205																						
Mexican blue oak ^a	--	--	--	--	41	41	124	83	41	--	--	--	--	--	--	--	332																						
New Mexico locust ^a	29,659	6,235	1,583	1,037	246	46	--	--	--	122	--	--	--	--	--	--	38,928																						
Oak-evergreen ^a	65,978	18,867	2,820	2,008	1,437	895	1,042	352	156	149	177	59	34	57	57	57	116	94,149																					
Rocky Mountain maple ^a	9,249	1,422	621	341	142	171	107	--	36	--	--	--	--	--	--	--	12,089																						
Screwbean mesquite ^a	--	1,184	127	95	--	32	--	--	--	--	--	--	--	--	--	--	1,437																						
Silverleaf oak ^a	64,443	10,061	4,065	1,360	758	185	34	24	--	--	--	--	--	--	--	--	80,928																						
Velvet mesquite ^a	--	--	83	41	124	41	--	--	--	--	--	--	--	--	--	--	249																						
Hardwood total	2,315,382	462,298	160,365	70,623	33,916	17,017	7,957	4,282	2,165	1,484	741	343	347	89	266	3,077,274																							
All species	3,833,231	1,373,693	828,275	524,757	334,181	216,067	137,616	91,229	56,225	34,067	21,623	13,576	7,575	5,212	6,678	6,678	7,484,004																						

^aDiameter taken at root collar rather than at breast height.

Table 15—Number of standing dead trees on forest land by species and diameter class, New Mexico, 2000

Species	Diameter class (inches) - Thousand trees -										Diameter class (inches) - Thousand trees -					All classes		
	1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+ -			
Alligator juniper ^a	460	1,261	600	425	691	877	529	862	485	585	576	227	351	169	298	8,395		
Apache pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Blue spruce	503	--	288	232	80	166	83	--	--	--	--	--	--	--	--	1,352		
Border pinyon ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Bristlecone pine	460	--	149	114	75	72	--	--	--	--	--	--	--	--	--	869		
Chihuahua pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Corkbark fir	7,155	2,769	2,629	1,865	1,357	1,093	509	140	204	167	73	--	--	--	--	17,960		
Douglas-fir	32,249	16,047	8,570	4,965	2,659	1,147	693	666	410	410	187	271	205	171	96	68,745		
Engelmann spruce	5,956	2,607	2,378	1,840	1,207	617	693	323	681	275	142	37	62	--	41	16,858		
Limber pine	893	1,361	69	--	--	--	82	38	--	--	--	--	--	--	--	2,443		
Mexican pinyon pine ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
One-seed juniper ^a	--	2,282	2,064	2,867	3,113	2,817	2,481	1,376	894	810	254	403	175	70	109	19,715		
Ponderosa pine	17,877	8,196	7,569	4,230	2,494	2,240	2,147	1,577	1,255	880	608	362	432	87	180	50,135		
Rocky Mountain juniper ^a	917	1,391	784	440	614	486	464	548	302	210	24	13	--	96	--	6,291		
Southwestern white pine	447	894	660	264	103	208	200	92	56	--	34	--	--	--	--	2,959		
Subalpine fir	508	--	381	44	161	121	202	80	41	80	--	--	--	--	--	1,619		
Twoneedle pinyon ^a	7,129	8,719	7,922	5,778	5,029	3,260	1,044	713	175	105	--	37	69	--	--	39,979		
Urah juniper ^a	--	7,849	3,810	2,491	1,193	719	501	140	205	284	162	69	33	17	9	--	2,511	
White fir	12,939	--	--	--	--	--	--	--	--	--	--	--	--	--	131	30,543		
Softwood total	87,494	53,375	37,964	25,834	19,107	14,342	10,018	6,975	4,882	3,994	2,170	1,419	1,327	619	855	270,375		
Arizona white oak ^a	2,336	--	365	97	370	172	42	25	--	--	--	--	--	--	--	--	3,407	
Aspen	35,494	21,896	10,885	2,554	1,540	875	629	276	124	--	--	--	--	--	--	74,273		
Bigtooth maple ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Boxelder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chinkapin oak	1,380	1,380	--	--	--	--	--	--	--	--	--	--	--	--	--	2,760		
Cottonwood	--	--	34	72	33	--	33	--	--	--	--	--	12	--	--	183		
Emory oak ^a	2,406	--	149	41	--	--	--	--	--	--	--	--	--	--	--	2,596		
Gambel oak ^a	183,967	51,640	6,249	1,247	743	272	270	258	56	16	76	13	--	43	--	244,849		
Mesquite	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Mexican blue oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	41		
New Mexico locust ^a	5,144	1,543	461	116	36	--	--	--	--	--	--	--	--	--	--	7,299		
Oak—evergreen ^a	--	--	218	154	64	--	28	--	--	--	--	--	--	--	--	464		
Rocky Mountain maple ^a	--	--	122	--	--	--	--	--	--	--	--	--	--	--	--	122		
Screwbean mesquite ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Velvet mesquite ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
W. honey mesquite ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hardwood total	230,727	76,459	18,482	4,281	2,784	1,319	1,002	600	180	16	76	13	12	43	--	335,995		
All species	318,221	129,834	56,446	30,114	21,892	15,662	11,020	7,575	5,062	4,010	2,246	1,432	1,340	662	855	606,371		

^aDiameter taken at root collar rather than at breast height.

**Table 17--Net volume of all live trees on forest land by forest type and stand-size class,
New Mexico, 2000**

Forest type	Stand-size class			All classes
	Sawtimber	Poletimber	Sapling/ seedling	
----- Thousand cubic feet -----				
Aspen	244,824	481,129	14,762	-- 740,715
Blue spruce	134,548	23,571	--	-- 158,120
Bristlecone pine	14,333	10,278	507	-- 25,118
Cottonwood	28,545	1,726	--	-- 30,271
Deciduous woodland oak	165,986	122,197	128,534	-- 416,716
Douglas-fir	1,837,880	194,024	15,353	-- 2,047,257
Engelmann spruce	608,411	36,258	3,083	-- 647,752
Evergreen oak	53,111	53,286	8,249	-- 114,646
Juniper	284,190	58,189	479	-- 342,859
Limber pine	63,112	--	--	-- 63,112
Mesquite	817	--	636	-- 1,453
Misc. western hardwoods	--	5,616	748	-- 6,364
Other western softwoods	37,840	--	--	-- 37,840
Pinyon-juniper	3,568,722	1,701,498	33,796	-- 5,304,017
Ponderosa pine	3,609,380	182,116	39,195	-- 3,830,691
Spruce-fir	982,190	121,364	3,630	-- 1,107,183
White fir	1,006,512	76,676	3,062	-- 1,086,250
Nonstocked timberland	--	--	--	12,444 12,444
Nonstocked woodland	--	--	--	6,519 6,519
All types	12,640,402	3,067,927	252,036	18,963 15,979,328

Table 18--Net volume of all live trees on forest land by species and owner group,
New Mexico, 2000

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand cubic feet -----				
Alligator juniper ^a	557,426	14,236	90,979	662,641
Apache pine	3,744	--	--	3,744
Blue spruce	87,799	--	24,105	111,903
Border pinyon ^a	13,006	--	--	13,006
Bristlecone pine	15,143	--	14,186	29,329
Chihuahua pine	556	--	--	556
Corkbark fir	279,073	--	107,134	386,207
Douglas-fir	1,555,835	67,177	424,848	2,047,859
Engelmann spruce	952,515	21,818	281,010	1,255,343
Limber pine	89,916	730	24,321	114,967
Mexican pinyon ^a	4,852	--	--	4,852
Oneseed juniper ^a	417,079	415,355	838,522	1,670,956
Ponderosa pine	2,727,594	131,862	1,109,475	3,968,931
Rocky Mountain juniper ^a	100,596	33,020	196,299	329,915
Singleleaf pinyon ^a	41	--	--	41
Southwestern white pine	134,328	--	21,759	156,087
Subalpine fir	73,570	--	2,830	76,400
Twoneedle pinyon ^a	1,200,960	282,792	1,063,866	2,547,619
Utah juniper ^a	87,724	111,878	63,708	263,309
White fir	713,367	35,276	224,109	972,752
Softwood total	9,015,122	1,114,144	4,487,151	14,616,417
Arizona white oak ^a	97,405	607	1,515	99,527
Aspen	642,310	17,886	146,400	806,596
Bigtooth maple ^a	921	--	5,130	6,051
Boxelder	96	--	--	96
Chinkapin oak	363	--	--	363
Cottonwood	7,052	--	17,999	25,051
Emory oak ^a	10,812	963	10,134	21,909
Gambel oak ^a	215,182	6,153	114,410	335,745
Mesquite ^a	169	--	--	169
Mexican blue oak ^a	1,858	--	--	1,858
New Mexico locust ^a	7,485	--	3,049	10,534
Oak-evergreen ^a	1,622	3,583	31,984	37,190
Rocky Mountain maple ^a	6,496	--	737	7,233
Screwbean mesquite ^a	--	297	--	297
Silverleaf oak ^a	9,139	--	--	9,139
Velvet mesquite ^a	455	--	--	455
W. honey mesquite ^a	699	--	--	699
Hardwood total	1,002,063	29,489	331,359	1,362,911
All species	10,017,185	1,143,633	4,818,510	15,979,328

^aDiameter taken at root collar rather than at breast height.

Table 19--Net volume of all live trees on forest land by species and diameter class, New Mexico, 2000

Species	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+ classes	
	Diameter class (inches) - Thousand cubic feet -													
Alligator juniper ^a	23,416	37,274	45,904	47,468	58,244	64,693	66,336	53,824	52,788	57,010	21,328	27,798	106,559	662,641
Apache pine	218	632	--	1,204	1,690	--	--	--	--	--	--	--	--	3,744
Blue spruce	6,871	11,623	18,335	22,896	9,505	9,672	9,430	6,735	5,166	4,845	--	--	6,826	111,903
Border pinyon ^a	1,104	2,342	2,659	5,603	781	517	--	--	--	--	--	--	--	13,006
Bristlecone pine	1,737	4,146	3,717	4,238	2,252	6,121	2,195	1,375	--	3,549	--	--	--	29,329
Chihuahua pine	--	--	--	--	--	--	--	556	--	--	--	--	--	556
Corkbark fir	37,539	56,516	62,832	72,836	52,146	47,086	25,345	17,678	12,343	--	1,887	--	--	386,207
Douglas-fir	104,940	171,384	207,751	235,294	238,759	210,987	192,225	148,081	185,416	116,523	66,323	60,146	110,030	2,047,859
Engelmann spruce	50,301	100,318	148,487	165,423	198,641	147,311	133,248	86,889	80,817	56,889	23,648	26,412	36,957	1,255,343
Limber pine	8,024	13,466	15,938	14,331	17,926	9,810	11,337	2,195	7,603	8,340	2,637	3,359	--	114,967
Mexican pinyon pine ^a	471	854	202	443	--	1,472	--	1,411	--	--	--	--	--	4,852
One-seed juniper ^a	61,994	107,964	153,660	193,870	219,328	216,334	182,475	136,922	111,780	77,054	70,899	59,333	79,343	1,670,956
Ponderosa pine	168,173	321,382	438,371	512,468	467,287	497,543	368,960	324,635	280,824	208,469	155,872	111,205	113,742	3,968,931
Rocky Mountain juniper ^a	23,850	34,471	41,231	37,640	40,317	40,054	37,671	24,071	18,114	15,996	4,564	6,005	5,929	329,915
Singleleaf pinyon ^a	41	--	--	--	--	--	--	--	--	--	--	--	--	41
Southwestern white pine	8,994	10,364	16,700	20,466	16,934	19,259	15,366	15,307	18,025	8,978	5,694	--	--	156,087
Subalpine fir	2,881	6,743	12,194	8,954	15,270	11,733	15,956	--	--	2,670	--	--	--	76,400
Twoneedle pinyon ^a	372,038	496,163	499,892	415,640	291,396	205,297	124,922	79,981	20,418	15,649	11,975	8,777	5,471	2,547,619
Utah juniper ^a	7,760	11,689	17,303	22,560	28,922	31,831	31,092	31,462	16,200	23,745	9,394	6,897	24,456	263,309
White fir	47,240	86,216	115,150	133,101	118,475	91,550	104,173	68,247	67,677	47,061	23,435	21,150	49,277	972,752
Softwood total	927,590	1,473,546	1,800,326	1,914,436	1,777,873	1,611,268	1,320,730	999,371	877,169	646,779	397,656	331,083	538,590	14,616,417
Arizona white oak ^a	13,128	14,600	18,115	15,301	10,531	9,850	4,280	3,490	2,232	5,761	2,239	--	--	99,527
Aspen	110,513	188,174	174,873	127,689	73,541	64,515	37,352	22,221	7,719	--	--	--	--	806,596
Bigtooth maple ^a	656	1,345	1,297	587	--	2,165	--	--	--	--	--	--	--	6,051
Boxelder	38	--	59	--	--	--	--	--	--	--	--	--	--	96
Chinkapin oak	59	197	106	--	--	--	--	--	--	--	--	--	--	363
Cottonwood	871	2,276	1,146	3,027	1,173	741	1,472	1,208	2,113	2,561	3,886	--	4,579	25,051
Emory oak ^a	1,104	850	877	2,583	3,060	167	1,125	--	--	2,009	--	10,134	121,909	21,909
Gambel oak ^a	109,922	71,403	40,471	30,381	21,293	13,867	13,598	16,480	9,642	1,168	3,597	1,165	2,759	335,745
Mesquite ^a	--	--	169	--	--	--	--	--	--	--	--	--	--	169
Mexican blue oak ^a	--	105	59	599	489	605	--	--	--	--	--	--	--	1,858
New Mexico locust ^a	2,947	3,083	1,259	254	--	--	--	--	--	--	--	--	--	10,534
Oak--evergreen ^a	1,757	2,930	2,917	3,681	6,551	2,329	1,599	1,759	4,160	1,870	63	1,776	5,797	37,190
Rocky Mountain maple ^a	1,047	1,626	1,031	1,317	1,131	--	1,081	--	--	--	--	--	--	7,233
Screwbean mesquite ^a	67	79	--	151	--	--	--	--	--	--	--	--	--	297
Silverleaf mesquite ^a	2,828	2,468	2,188	1,078	281	295	--	--	--	--	--	--	--	9,139
Velvet mesquite ^a	52	283	120	--	--	--	--	--	--	--	--	--	--	455
W. honey mesquite ^a	24	48	269	165	194	--	--	--	--	--	--	--	--	699
Hardwood total	245,013	289,467	244,955	186,812	118,244	94,535	60,507	48,148	25,865	11,360	11,794	2,941	23,269	1,362,911
All species	1,172,603	1,763,013	2,045,281	2,101,248	1,896,117	1,705,803	1,381,237	1,047,519	903,035	658,139	409,450	334,024	561,859	15,979,328

^aDiameter taken at root collar rather than at breast height.

Table 20—Net volume of all live trees on forest land by species and forest type, New Mexico, 2000

Species	Forest type											All types							
	Aspen	Blue spruce	Bristlecone pine	Cottonwood	Deciduous woodland oak	Douglas-fir spruce	Engelmann spruce	Evergreen oak	Juniper	Limb pine	Mesquite								
										western softwoods	western hardwood	Misc.							
-- Thousand cubic feet --																			
Alligator juniper ^a	--	--	--	--	7,657	8,261	--	9,068	33,748	--	293	--	589	1,013					
Apache pine	8,899	85,088	--	--	--	--	--	3,536	--	--	--	--	--	662,641					
Blue spruce	--	--	--	--	--	15,261	830	--	--	--	303	811	--	3,744					
Border pinyon ^a	--	--	--	--	--	--	--	--	--	--	13,006	--	--	111,903					
Bristlecone pine	--	--	22,771	--	--	5,209	1,173	--	--	--	--	--	--	13,006					
Chihuahua pine	--	--	--	--	--	--	--	556	--	--	--	--	--	29,329					
Corkbark fir	29,624	6,526	105	--	--	13,340	33,055	--	--	--	--	749	302,483	386,207					
Douglas-fir	52,809	26,361	--	1,867	--	37,556	1,313,890	30,663	3,981	457	9,424	40,491	255,102	2,047,859					
Engelmann spruce	42,612	--	--	--	--	53,687	528,421	--	--	1,370	--	--	158	620,117	1,255,343				
Limber pine	6,009	--	--	--	--	46,325	4,654	--	--	34,918	--	--	13,244	703	114,967				
Mexican pinyon pine ^a	--	--	--	--	--	--	--	--	--	--	--	4,852	--	--	4,852				
One-seed juniper ^a	--	--	--	290	5,592	--	--	1,150	229,191	457	--	--	--	--	3,504				
Ponderosa pine	33,348	10,397	--	--	4,470	148,225	190,959	1,948	12,271	18,291	11,478	113	6,735	266,191	1,670,956				
Rocky Mountain juniper ^a	33	--	--	--	133	26,388	8,784	--	71	20,108	--	--	223,099	3,136,096	3,968,931				
Singleleaf pinyon ^a	--	--	--	--	--	--	--	--	--	--	--	49,494	--	259	329,915				
Southwestern white pine	336	--	--	--	--	1,088	54,146	--	--	--	--	16,087	1,41	--	--				
Subalpine fir	--	--	--	--	--	11,945	4,386	3,316	--	--	1,043	--	--	32,960	44,125	156,087			
Two-needle pinyon ^a	--	--	--	--	--	7,279	--	--	17,301	--	--	868	2,452,816	67,655	--				
Utah juniper ^a	--	--	--	--	--	630	--	630	31,308	--	--	--	53,813	--	18	1,499			
White fir	81,000	6,972	--	--	366	9,643	190,777	2,504	--	--	4,879	--	--	227,339	3,402	264,719			
Softwood total	254,671	135,343	24,743	5,259	248,724	1,912,304	606,563	46,564	333,247	63,112	457	405	35,944	5,195,421	6,276	14,616,417			
Arizona white oak ^a	--	--	--	--	--	1,102	728	--	25,335	3,687	--	--	--	3,688,150	1,057,881	99,527			
Aspen	480,955	22,776	375	--	--	1,153	107,741	41,189	--	--	--	--	59,837	8,595	--	806,596			
Birch	--	--	--	--	--	143	--	--	--	351	--	--	176	--	--	6,051			
Bloothorn maple ^a	--	--	--	--	--	--	96	--	--	--	--	--	--	--	--	96			
Bolelder	--	--	--	--	--	--	--	--	--	235	--	--	--	--	--	363			
Chinkapin oak	--	--	--	--	--	--	--	--	--	11,233	361	--	--	--	--	25,051			
Cottonwood	--	--	--	--	--	--	--	--	--	973	3,541	--	--	--	--	21,909			
Emory oak ^a	--	--	--	--	--	--	--	--	--	--	--	286	1,896	20,619	104,406	335,745			
Gambel oak ^a	3,560	--	--	--	--	2,787	159,602	23,052	--	--	--	--	169	--	--	169			
Mesquite ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,858			
Mexican blue oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,858			
New Mexico locust ^a	--	--	--	--	--	4,414	--	--	--	--	--	5,673	--	--	447	--	10,534		
Oak-evergreen ^a	--	--	--	--	--	--	--	--	20,750	1,447	--	--	--	14,993	--	37,190			
Rocky Mountain maple ^a	1,529	--	--	--	--	--	3,336	--	--	--	--	--	--	--	2,368	--	7,233		
Screwbean mesquite ^a	--	--	--	--	--	--	1,578	--	--	5,478	--	--	1,309	773	--	--	297		
Silverleaf oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9,139			
Velvet mesquite ^a	--	--	--	--	--	--	--	--	--	--	699	--	--	--	--	455			
W. honey mesquite ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	699			
Hardwood total	486,044	22,776	375	25,012	167,993	134,954	41,189	66,082	9,611	--	986	5,959	1,896	108,596	142,541	49,302	97,556	1,785	243
All species	740,715	158,120	25,118	30,271	416,716	2,047,257	647,752	114,646	342,859	63,112	1,453	6,364	37,840	5,304,017	3,830,691	1,107,183	1,086,250	12,444	1,362,911

^aDiameter taken at root collar rather than at breast height.

Table 21--Net annual growth of all live trees on forest land by species and owner group, New Mexico, 1999

Species	Owner group			Total
	National Forest	Other public	Nonindustrial private	
----- Thousand cubic feet -----				
Alligator juniper ^a	4,060	102	959	5,121
Apache pine	143	--	--	143
Blue spruce	1,187	--	505	1,691
Border pinyon ^a	232	--	--	232
Bristlecone pine	288	--	181	469
Chihuahua pine	5	--	--	5
Corkbark fir	4,435	--	2,866	7,301
Douglas-fir	23,731	-1,704	8,333	30,359
Engelmann spruce	13,357	355	6,502	20,215
Limber pine	1,324	8	515	1,847
Mexican pinyon pine ^a	28	--	--	28
Oneseed juniper ^a	3,388	3,583	7,386	14,357
Ponderosa pine	48,806	2,834	24,219	75,859
Rocky Mountain juniper ^a	1,045	320	2,281	3,645
Singleleaf pinyon ^a	(^b)	--	--	(^b)
Southwestern white pine	2,020	--	484	2,504
Subalpine fir	840	--	60	900
Twoneedle pinyon ^a	20,570	5,266	18,485	44,321
Utah juniper ^a	596	808	446	1,850
White fir	14,498	472	5,245	20,215
Softwood total	140,554	12,043	78,465	231,062
Arizona white oak ^a	1,560	3	10	1,574
Aspen	12,435	-109	3,621	15,947
Bigtooth maple ^a	15	--	111	126
Boxelder	1	--	--	1
Chinkapin oak	8	--	--	8
Cottonwood	-60	--	618	558
Emory oak ^a	85	16	121	222
Gambel oak ^a	4,490	363	3,753	8,606
Mesquite ^a	1	--	--	1
Mexican blue oak ^a	13	--	--	13
New Mexico locust ^a	212	--	9	221
Oak--evergreen ^a	18	53	318	390
Rocky Mountain maple ^a	78	--	9	87
Screwbean mesquite ^a	--	2	--	2
Silverleaf oak ^a	219	--	--	219
Velvet mesquite ^a	6	--	--	6
W. honey mesquite ^a	7	--	--	7
Hardwood total	19,090	329	8,571	27,989
All species	159,643	12,372	87,036	259,051

^aDiameter taken at root collar rather than at breast height.

^bLess than 500 cubic feet.

Table 22.-Net annual growth of all live trees on forest land by species and diameter class, New Mexico, 1999

Species	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+ --	All classes
	Diameter class (inches) - Thousand cubic feet -													
Alligator juniper ^a	1,384	524	457	333	512	502	410	212	197	206	88	20	276	5,121
Apache pine	19	32	--	51	40	--	--	--	--	--	--	--	--	143
Blue spruce	367	346	292	349	-214	255	128	85	54	15	--	--	--	1,691
Border pinyon ^a	76	43	43	60	6	5	--	--	--	--	--	--	--	232
Bristlecone pine	148	81	59	53	21	63	13	12	--	19	--	--	--	469
Chihuahua pine	--	--	--	--	--	--	--	5	--	--	--	--	--	5
Corkbark fir	2,922	1,508	841	783	569	544	-351	186	267	--	32	--	--	7,301
Douglas-fir	7,017	4,296	4,141	4,401	4,043	1,713	1,159	570	2,092	-592	359	424	735	30,359
Engelmann spruce	3,245	2,839	3,343	3,324	3,408	1,641	1,402	-316	690	491	-167	181	131	20,215
Limber pine	345	391	334	217	291	-72	148	24	53	85	11	21	--	1,847
Mexican pinyon pine ^a	5	7	2	--	8	--	4	--	--	--	--	--	--	28
Oneseed juniper ^a	3,086	1,386	1,688	1,826	1,681	1,451	983	603	527	335	303	227	261	14,357
Ponderosa pine	14,624	11,330	12,455	10,298	7,929	7,571	4,254	3,518	2,157	928	-539	706	627	75,859
Rocky Mountain juniper ^a	1,129	460	429	442	389	269	194	125	81	68	19	11	29	3,645
Singleleaf pinyon ^a	(b)	--	--	--	--	--	--	--	--	--	--	--	--	(b)
Southwestern white pine	523	305	356	341	138	292	59	139	199	114	37	--	--	2,504
Subalpine fir	96	147	214	178	61	153	22	--	30	--	--	--	--	900
Twoneedle pinyon ^a	22,767	7,802	6,053	3,322	2,011	1,121	662	369	65	43	55	27	23	44,321
Utah juniper ^a	472	173	178	131	203	189	50	140	71	107	63	22	50	1,850
White fir	4,361	2,343	2,329	2,826	2,408	1,886	1,551	1,114	645	549	-480	195	486	20,215
Softwood total	62,589	34,015	33,213	28,936	23,497	17,591	10,683	6,791	7,098	2,398	-217	1,834	2,634	231,062
Arizona white oak ^a	718	199	190	206	112	87	18	13	9	13	10	--	--	1,574
Aspen	6,372	4,332	2,717	1,227	561	332	179	141	86	--	--	--	--	15,947
Bigtooth maple ^a	83	18	12	3	--	9	--	--	--	--	--	--	--	126
Boxelder	1	--	1	--	--	--	--	--	--	--	--	--	--	1
Chinkapin oak	2	4	2	--	--	--	--	--	--	--	--	--	--	8
Cottonwood	103	67	66	137	-43	9	28	10	93	33	-36	--	92	558
Emory oak ^a	13	11	10	25	31	2	4	--	--	4	3	10	121	222
Gambel oak ^a	7,331	601	281	116	117	2	59	73	5	3	10	3	6	8,606
Mesquite ^a	--	--	1	(b)	--	--	--	--	--	--	--	--	--	1
Mexican blue oak ^a	--	1	5	4	3	--	--	--	--	--	--	--	--	13
New Mexico locust ^a	181	22	8	10	5	--	--	--	9	--	--	--	--	221
Oak-evergreen ^a	83	48	37	51	68	29	14	5	19	12	1	3	20	390
Rocky Mountain maple ^a	20	17	18	--	17	--	--	--	--	--	--	--	--	87
Screwbean mesquite ^a	(b)	--	1	--	--	--	--	--	--	--	--	--	--	2
Silverleaf oak ^a	135	45	31	6	1	--	--	--	--	--	--	--	--	219
Velvet mesquite ^a	1	4	2	--	--	--	--	--	--	--	--	--	--	6
W. honey mesquite ^a	(b)	(b)	3	2	2	--	--	--	--	--	--	--	--	7
Hardwood total	15,044	5,369	3,379	1,790	858	474	319	251	212	60	-11	6	239	27,989
All species	77,632	39,384	36,592	30,726	24,355	18,064	11,001	7,042	7,310	2,459	-228	1,840	2,873	259,051

^aDiameter taken at root collar rather than at breast height.^bLess than 500 cubic feet.

Table 23--Annual mortality of all trees on forest land by species and owner group, New Mexico, 1999

Species	Owner group			Total
	National Forest	Other public	Nonindustrial private	
----- Thousand cubic feet -----				
Alligator juniper ^a	329	--	76	405
Apache pine	--	--	--	--
Blue spruce	385	--	309	694
Border pinyon ^a	--	--	--	--
Bristlecone pine	--	--	--	--
Chihuahua pine	--	--	--	--
Corkbark fir	2,475	--	102	2,577
Douglas-fir	6,743	2,871	2,085	11,700
Engelmann spruce	2,837	--	415	3,252
Limber pine	277	--	--	277
Mexican pinyon pine ^a	--	--	--	--
Oneseed juniper ^a	139	--	6	145
Ponderosa pine	12,064	574	1,889	14,527
Rocky Mountain juniper ^a	92	--	178	270
Singleleaf pinyon ^a	--	--	--	--
Southwestern white pine	505	--	--	505
Subalpine fir	355	--	--	355
Twoneedle pinyon ^a	1,528	93	392	2,012
Utah juniper ^a	189	--	--	189
White fir	3,039	284	407	3,731
Softwood total	30,958	3,823	5,859	40,639
Arizona white oak ^a	--	--	--	--
Aspen	3,260	435	1,474	5,169
Bigtooth maple ^a	--	--	--	--
Boxelder	--	--	--	--
Chinkapin oak	--	--	--	--
Cottonwood	218	--	10	228
Emory oak ^a	--	--	--	--
Gambel oak ^a	351	1	293	645
Mesquite ^a	--	--	--	--
Mexican blue oak ^a	--	--	--	--
New Mexico locust ^a	--	--	--	--
Oak--evergreen ^a	--	--	--	--
Rocky Mountain maple ^a	--	--	--	--
Screwbean mesquite ^a	--	--	--	--
Silverleaf oak ^a	--	--	--	--
Velvet mesquite ^a	--	--	--	--
W. honey mesquite ^a	--	--	--	--
Hardwood total	3,829	436	1,777	6,042
All species	34,786	4,259	7,635	46,681

^aDiameter taken at root collar rather than at breast height.

Table 24—Annual mortality of all trees on forest land by species and diameter class, New Mexico, 1999

Species	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+ 30.0+	All classes	
	Diameter class (inches) - Thousand cubic feet -														
Alligator juniper ^a	12	21	163	167	--	--	--	--	--	--	--	--	41	--	405
Apache pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Blue spruce	--	--	93	126	122	353	--	--	--	--	--	--	--	--	694
Border pinyon ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bristlecone pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chihuahua pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Corkbark fir	273	191	603	586	271	--	653	1,461	1,282	--	1,761	280	118	--	2,577
Douglas-fir	1,067	1,229	1,303	969	363	1,865	416	1,257	--	--	297	--	--	--	11,700
Engelmann spruce	144	248	69	231	--	590	--	--	--	--	--	--	--	--	3,252
Limber pine	19	--	--	--	--	259	--	--	--	--	--	--	--	--	277
Mexican pinyon pine ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
One-seed juniper ^a	12	14	--	20	--	--	--	--	98	--	--	--	--	--	--
Ponderosa pine	1,088	1,140	999	2,055	1,677	1,233	1,322	630	1,010	1,290	1,745	141	197	197	14,527
Rocky Mountain juniper ^a	19	46	127	--	--	79	--	--	--	--	--	--	--	--	270
Singleleaf pinyon ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southwestern white pine	--	16	59	155	126	--	--	--	--	--	--	--	--	--	--
Subalpine fir	37	--	--	--	213	--	--	--	149	--	--	--	--	--	505
Two-needle pinyon ^a	314	535	382	533	57	191	--	104	--	--	--	--	--	--	355
Utah juniper ^a	--	--	--	68	--	--	121	--	--	--	--	--	--	--	2,012
White fir	271	439	851	489	355	--	259	--	428	--	638	--	--	--	189
Softwood total	3,256	3,974	4,684	5,395	3,415	4,216	4,486	3,267	1,438	3,050	2,960	300	197	40,639	
Arizona white oak ^a	--	--	--	--	1,064	520	470	312	--	--	--	--	--	--	--
Aspen	954	842	1,008	--	--	--	--	--	--	--	--	--	--	--	5,169
Bigtooth maple ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Boxelder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chinkapin oak	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cottonwood	10	48	--	--	--	112	--	--	--	--	--	58	--	--	228
Emory oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gambel oak ^a	287	117	43	94	--	76	--	--	--	--	28	--	--	--	645
Mesquite ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mexican blue oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
New Mexico locust ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oak-evergreen ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rocky Mountain maple ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Screwbean mesquite ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silverleaf oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gambel oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwood total	1,251	1,008	1,051	1,158	632	546	312	--	28	--	58	--	--	--	6,042
All species	4,507	4,981	5,734	6,553	4,048	4,763	4,797	3,267	1,466	3,050	3,017	300	197	46,681	

^aDiameter taken at root collar rather than at breast height.

Table 25--Annual mortality of all trees on forest land by species and cause of death, New Mexico, 1999

Species	Cause of death							Total
	Insects	Disease	Fire	Animal	Weather	Suppression	Unknown	
----- Thousand cubic feet -----								
Alligator juniper ^a	--	--	203	--	--	--	202	405
Apache pine	--	--	--	--	--	--	--	--
Blue spruce	190	216	--	--	289	--	--	694
Border pinyon ^a	--	--	--	--	--	--	--	--
Bristlecone pine	--	--	--	--	--	--	--	--
Chihuahua pine	--	--	--	--	--	--	--	--
Corkbark fir	1,219	1,051	--	--	216	84	7	2,577
Douglas-fir	1,824	2,878	3,950	--	1,792	153	1,104	11,700
Engelmann spruce	776	1,421	--	--	953	19	82	3,252
Limber pine	259	--	19	--	--	--	--	277
Mexican pinyon pine ^a	--	--	--	--	--	--	--	--
Oneseed juniper ^a	--	--	14	--	98	7	26	145
Ponderosa pine	3,593	1,530	7,834	--	1,258	28	285	14,527
Rocky Mountain juniper ^a	--	--	231	--	--	39	--	270
Singleleaf pinyon ^a	--	--	--	--	--	--	--	--
Southwestern white pine	258	118	112	--	--	16	--	505
Subalpine fir	--	355	--	--	--	--	--	355
Twoneedle pinyon ^a	556	572	282	--	178	66	359	2,012
Utah juniper ^a	--	--	--	--	--	--	189	189
White fir	1,236	646	934	--	348	200	367	3,731
Softwood total	9,910	8,787	13,579	--	5,131	611	2,620	40,639
Arizona white oak ^a	--	--	--	--	--	--	--	--
Aspen	25	3,903	7	77	692	107	358	5,169
Bigtooth maple ^a	--	--	--	--	--	--	--	--
Boxelder	--	--	--	--	--	--	--	--
Chinkapin oak	--	--	--	--	--	--	--	--
Cottonwood	87	10	--	--	--	131	--	228
Emory oak ^a	--	--	--	--	--	--	--	--
Gambel oak ^a	--	197	220	--	94	93	41	645
Mesquite ^a	--	--	--	--	--	--	--	--
Mexican blue oak ^a	--	--	--	--	--	--	--	--
New Mexico locust ^a	--	--	--	--	--	--	--	--
Oak--evergreen ^a	--	--	--	--	--	--	--	--
Rocky Mountain maple ^a	--	--	--	--	--	--	--	--
Screwbean mesquite ^a	--	--	--	--	--	--	--	--
Silverleaf oak ^a	--	--	--	--	--	--	--	--
Velvet mesquite ^a	--	--	--	--	--	--	--	--
W. honey mesquite ^a	--	--	--	--	--	--	--	--
Hardwood total	112	4,110	227	77	786	331	399	6,042
All species	10,023	12,897	13,806	77	5,917	943	3,019	46,681

^aDiameter taken at root collar rather than at breast height.

Table 26--Average percent crown canopy cover by lifeform, average percent bare ground, total number and most common understory species recorded, and number of vegetation plots by forest type, New Mexico, 2000.

Forest type	Average shrub cover	Average forb cover	Average graminoid cover	Average bare ground	Total number of different species recorded	Most common understory species recorded ^a	Number of vegetation plots
Percent							
Aspen	8.12	11.45	9.15	3.62	68.00	Common juniper	62
Blue spruce	4.08	4.86	5.44	2.19	14.00	Common juniper	6
Bristlecone pine	9.02	3.42	12.40	6.60	11.00	Arizona fescue	4
Cottonwood	2.28	5.12	4.07	15.70	11.00	Fistestamen tamarisk	5
Deciduous woodland oak	9.16	7.42	13.30	5.34	88.00	Arizona fescue	123
Douglas-fir	6.27	5.03	5.47	3.13	86.00	Gambel oak	155
Engelmann spruce	7.92	9.54	7.56	4.34	26.00	Whortleberry	31
Evergreen oak	13.96	3.45	15.19	12.19	37.00	Blue grama	53
Juniper	8.68	2.92	24.00	18.72	72.00	Blue grama	163
Limber pine	6.42	1.75	1.88	4.15	4.00	Kinnikinnick	4
Mesquite	9.20	1.95	33.90	34.60	15.00	Sideoats grama	5
Misc. western hardwoods	4.50	8.33	26.18	4.85	17.00	Chokecherry	5
Misc. western softwoods	3.88	8.23	5.94	1.75	6.00	Rockspirea	4
Pinyon-juniper	8.57	2.77	14.75	17.46	191.00	Blue grama	1,340
Ponderosa pine	2.85	4.18	10.51	3.69	123.00	Gambel oak	441
Spruce-fir	11.64	8.91	3.95	1.74	55.00	Whortleberry	49
White fir	7.03	9.19	5.73	2.62	89.00	Gambel oak	70
Nonstocked							68
Total							2,520

^aTo be recorded, species had to have 5 percent or greater cover on a condition.

Table 27--Area, volume, growth, and mortality of live trees on forest land by county, New Mexico

County	Area (2000)	Volume (2000)	Growth (1999)	Mortality (1999)
-- Acres -- ----- Thousand cubic feet -----				
Bernalillo	137,003	104,567	1,829	13
Catron	2,449,172	2,525,583	43,059	4,528
Chaves	39,964	8,843	223	--
Cibola	1,259,506	920,762	15,910	1,162
Colfax	791,129	838,036	16,980	2,735
Curry	--	--	--	--
DeBaca	--	--	--	--
Dona Ana	10,736	--	--	--
Eddy	117,705	24,675	525	14
Grant	905,964	712,164	11,938	1,235
Guadalupe	140,453	33,875	485	--
Harding	67,287	18,194	334	--
Hidalgo	82,006	22,600	250	--
Lea	--	--	--	--
Lincoln	617,572	446,497	5,130	3,492
Los Alamos	56,303	79,948	1,357	33
Luna	--	--	--	--
McKinley	1,119,128	709,989	10,236	136
Mora	391,148	652,537	10,569	1,749
Otero	866,459	1,052,727	20,031	2,333
Quay	--	--	--	--
Rio Arriba	2,255,525	2,699,463	35,388	13,912
Roosevelt	--	--	--	--
Sandoval	751,422	905,286	15,145	2,477
San Juan	486,809	349,633	6,412	192
San Miguel	912,250	975,997	20,040	739
Santa Fe	498,104	477,822	7,393	1,476
Sierra	442,668	368,624	5,218	1,635
Socorro	897,526	454,085	5,881	1,670
Taos	766,643	1,282,024	18,344	7,152
Torrance	477,949	276,621	5,503	--
Union	101,963	25,391	590	--
Valencia	39,440	13,384	283	--
Total	16,681,833	15,979,328	259,051	46,681

Nonreserved Forest Land

Table 28--Area of nonreserved forest land by forest type, stand-size class, and productivity class, New Mexico, 2000

Forest type and stand-size class	Productivity class				
	85-119	50-84	20-49	0-19	Total
----- Acres -----					
Aspen					
Sawtimber	--	40,200	45,729	--	85,929
Poletimber	4,908	35,451	147,215	--	187,574
Sapling/seedling	--	14,560	21,050	--	35,610
Nonstocked	--	--	--	--	--
Total	4,908	90,211	213,994	--	309,113
Blue spruce					
Sawtimber	--	34,400	--	--	34,400
Poletimber	--	--	6,325	--	6,325
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	34,400	6,325	--	40,725
Bristlecone pine					
Sawtimber	--	--	18,795	--	18,795
Poletimber	--	--	6,130	--	6,130
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	24,925	--	24,925
Cottonwood					
Sawtimber	--	--	26,129	--	26,129
Poletimber	--	--	6,050	--	6,050
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	32,179	--	32,179
Deciduous woodland oak					
Sawtimber	--	--	--	86,754	86,754
Poletimber	--	--	--	178,011	178,011
Sapling/seedling	--	--	--	394,690	394,690
Nonstocked	--	--	--	--	--
Total	--	--	--	659,454	659,454
Douglas-fir					
Sawtimber	5,599	250,707	334,171	10,040	600,518
Poletimber	--	27,408	105,671	1,513	134,591
Sapling/seedling	--	1,527	20,040	--	21,567
Nonstocked	--	--	--	--	--
Total	5,599	279,642	459,882	11,553	756,676
Engelmann spruce					
Sawtimber	--	56,891	30,515	--	87,406
Poletimber	--	9,727	11,752	--	21,478
Sapling/seedling	--	6,130	2,276	--	8,406
Nonstocked	--	--	--	--	--
Total	--	72,748	44,543	--	117,291
Evergreen oak					
Sawtimber	--	--	--	99,242	99,242
Poletimber	--	--	--	117,099	117,099
Sapling/seedling	--	--	--	48,936	48,936
Nonstocked	--	--	--	--	--
Total	--	--	--	265,277	265,277
Juniper					
Sawtimber	--	--	--	745,051	745,051
Poletimber	--	--	--	274,426	274,426
Sapling/seedling	--	--	--	27,882	27,882
Nonstocked	--	--	--	--	--
Total	--	--	--	1,047,359	1,047,359
Limber pine					
Sawtimber	--	--	29,213	--	29,213
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	29,213	--	29,213

(con.)

Table 28 (Con.)

Forest type and stand-size class	Productivity class					Total
	85-119	50-84	20-49	0-19		
----- Acres -----						
Mesquite						
Sawtimber	--	--	--	6,894	6,894	
Poletimber	--	--	--	--	--	
Sapling/seedling	--	--	--	14,162	14,162	
Nonstocked	--	--	--	--	--	
Total	--	--	--	21,056	21,056	
Misc. western hardwoods						
Sawtimber	--	--	--	--	--	
Poletimber	--	--	--	--	--	
Sapling/seedling	--	--	--	16,653	16,653	
Nonstocked	--	--	--	--	--	
Total	--	--	--	16,653	16,653	
Other western softwoods						
Sawtimber	--	5,963	9,761	--	15,724	
Poletimber	--	--	--	--	--	
Sapling/seedling	--	--	--	--	--	
Nonstocked	--	--	--	--	--	
Total	--	5,963	9,761	--	15,724	
Pinyon-juniper						
Sawtimber	--	--	--	4,921,373	4,921,373	
Poletimber	--	--	--	3,280,353	3,280,353	
Sapling/seedling	--	--	--	182,190	182,190	
Nonstocked	--	--	--	--	--	
Total	--	--	--	8,383,916	8,383,916	
Ponderosa pine						
Sawtimber	6,546	368,270	1,708,638	33,989	2,117,442	
Poletimber	--	7,034	216,138	--	223,172	
Sapling/seedling	--	6,546	87,258	--	93,803	
Nonstocked	--	--	--	--	--	
Total	6,546	381,849	2,012,034	33,989	2,434,417	
Spruce-fir						
Sawtimber	--	61,995	60,279	--	122,274	
Poletimber	--	13,054	33,686	--	46,740	
Sapling/seedling	--	--	6,130	--	6,130	
Nonstocked	--	--	--	--	--	
Total	--	75,049	100,095	--	175,144	
White fir						
Sawtimber	11,723	251,601	62,745	--	326,069	
Poletimber	--	19,056	19,833	--	38,889	
Sapling/seedling	--	--	6,325	--	6,325	
Nonstocked	--	--	--	--	--	
Total	11,723	270,657	88,903	--	371,283	
Nonstocked timberland						
Sawtimber	--	--	--	--	--	
Poletimber	--	--	--	--	--	
Sapling/seedling	--	--	--	--	--	
Nonstocked	5,865	42,463	49,418	--	97,746	
Total	5,865	42,463	49,418	--	97,746	
Nonstocked woodland						
Sawtimber	--	--	--	--	--	
Poletimber	--	--	--	--	--	
Sapling/seedling	--	--	--	--	--	
Nonstocked	--	--	--	179,512	179,512	
Total	--	--	--	179,512	179,512	
All types						
Sawtimber	23,868	1,070,028	2,325,975	5,903,342	9,323,212	
Poletimber	4,908	111,729	552,799	3,851,402	4,520,838	
Sapling/seedling	--	28,763	143,078	684,513	856,354	
Nonstocked	5,865	42,463	49,418	179,512	277,258	
Total	34,642	1,252,982	3,071,270	10,618,769	14,977,662	

Table 29--Area of nonreserved forest land by stand volume and owner group, New Mexico, 2000

Stand volume per acre ^a	Owner group				Total
	National Forest	Other public	Nonindustrial private	Acres	
<hr/>					
Less than 1,500 board feet	4,095,205	1,681,839	4,898,509	10,675,553	
1,500 to 4,999 board feet	1,196,426	94,809	794,777	2,086,012	
5,000 to 9,999 board feet	937,510	39,450	395,219	1,372,179	
10,000 board feet or more	638,403	13,214	192,302	843,919	
Total	6,867,544	1,829,312	6,280,806	14,977,662	

^aInternational 1/4-inch rule

Table 30--Area of nonreserved forest land by forest type and stocking condition, New Mexico, 2000

Forest type	Stocking condition						Total
	Overstocked timberland	Fully stocked timberland	Medium to fully stocked timberland	Poorly stocked timberland	Nonstocked timberland	Woodland	
<hr/>							
Aspen	49,723	146,708	85,308	27,374	--	--	309,113
Blue spruce	--	22,719	18,006	--	--	--	40,725
Bristlecone pine	--	6,130	11,965	6,829	--	--	24,925
Cottonwood	--	--	11,476	20,703	--	--	32,179
Deciduous woodland oak	--	--	--	--	--	659,454	659,454
Douglas-fir	32,116	242,692	357,717	124,151	--	--	756,676
Engelmann spruce	3,061	66,585	34,445	13,199	--	--	117,291
Evergreen oak	--	--	--	--	--	265,277	265,277
Juniper	--	--	--	--	--	1,047,359	1,047,359
Limber pine	--	10,404	18,809	--	--	--	29,213
Mesquite	--	--	--	--	--	21,056	21,056
Misc. western hardwoods	--	--	--	--	--	16,653	16,653
Other western softwoods	--	3,979	10,255	1,491	--	--	15,724
Pinyon-juniper	--	--	--	--	--	8,383,916	8,383,916
Ponderosa pine	6,086	312,533	1,248,449	867,349	--	--	2,434,417
Spruce-fir	14,986	114,577	43,020	2,561	--	--	175,144
White fir	--	165,009	149,720	56,553	--	--	371,283
Nonstocked timberland	--	--	--	--	97,746	--	97,746
Nonstocked woodland	--	--	--	--	--	179,512	179,512
All types	105,972	1,091,336	1,989,170	1,120,211	97,746	10,573,227	14,977,662

Table 31--Area of nonreserved forest land by forest type and stand-age class, New Mexico, 2000

Forest type	Stand-age class						All classes				
	Nonstocked/ unclassified	1-50	51-100	101-150	151-200	201-250	251-300	301-350	351-400	401-450	
Acres											
Aspen	--	35,610	229,520	43,982	--	--	--	--	--	--	309,113
Blue spruce	--	--	16,106	24,619	--	--	--	--	--	--	40,725
Bristlecone pine	--	--	--	24,925	--	--	--	--	--	--	24,925
Cottonwood	--	--	32,179	--	--	--	--	--	--	--	32,179
Deciduous woodland oak	12,474	439,671	154,062	33,886	19,361	--	--	--	--	--	659,454
Douglas-fir	--	32,446	366,814	238,650	72,691	46,075	--	--	--	--	756,676
Engelmann spruce	--	13,709	59,811	24,752	19,018	--	--	--	--	--	117,291
Evergreen oak	5,361	53,113	143,384	34,698	23,374	5,346	--	--	--	--	265,277
Juniper	5,928	176,813	490,054	224,520	101,435	33,989	7,561	--	--	7,058	1,047,359
Limber pine	--	--	--	12,165	10,838	6,210	--	--	--	--	29,213
Mesquite	--	6,692	6,894	7,470	--	--	--	--	--	--	21,056
Misc. western hardwoods	--	16,653	--	--	--	--	--	--	--	--	16,653
Other western softwoods	--	--	--	15,724	--	--	--	--	--	--	15,724
Pinyon-juniper	26,099	1,106,929	4,247,767	1,502,435	1,097,784	241,460	128,675	25,647	5,963	1,157	8,383,916
Ponderosa pine	14,015	163,138	1,442,548	672,040	115,645	27,030	--	--	--	--	2,434,417
Spruce-fir	--	6,130	64,302	77,894	26,818	--	--	--	--	--	175,144
White fir	--	6,325	169,213	189,615	6,130	--	--	--	--	--	371,283
Nonstocked timberland	97,746	--	--	--	--	--	--	--	--	--	97,746
Nonstocked woodland	179,512	--	--	--	--	--	--	--	--	--	179,512
All types	341,135	2,057,230	7,422,656	3,127,376	1,493,094	360,110	136,236	25,647	5,963	8,216	14,977,662

Table 32—Number of live trees on nonreserved forest land by species and diameter class, New Mexico, 2000

Species	Diameter class (inches)									All classes								
	1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	14.0- 16.9	15.0- 17.9	16.0- 18.9	17.0- 18.9	18.0- 20.9	19.0- 22.9	20.0- 24.9	21.0- 24.9	22.0- 26.9	23.0- 27.9	24.0- 28.9
Thousands of trees																		
Alligator juniper ^a	75,159	35,203	25,838	20,102	12,534	8,180	6,587	4,970	3,813	2,181	1,824	1,583	656	684	1,374	200	689	
Apache pine	402	--	119	173	--	119	--	--	--	--	--	--	--	--	--	--	--	812
Blue spruce	10,734	3,017	2,725	1,346	1,345	903	377	190	73	42	--	--	38	--	--	--	35	20,825
Border pinyon ^a	5,065	445	792	772	429	491	61	41	--	--	--	--	--	--	--	--	--	8,097
Bristlecone pine	--	1,414	1,066	992	583	409	146	273	72	37	--	--	55	--	--	--	--	5,046
Chihuahua pine	--	--	--	--	--	--	--	--	--	14	--	--	--	--	--	--	--	14
Corkbark fir	69,821	31,992	12,817	7,263	3,861	2,457	1,070	671	261	210	117	--	--	--	--	--	--	130,540
Douglas-fir	98,705	73,686	48,298	33,436	21,701	15,187	9,481	6,004	4,044	2,032	2,157	1,091	477	366	448	317,113		
Engelmann spruce	48,649	29,263	17,384	12,796	8,576	6,090	4,574	1,712	1,518	495	67	148	--	75	107	131,453		
Limber pine	6,013	3,040	3,696	2,462	1,962	1,021	811	256	118	--	153	111	--	38	--	--	--	19,680
Mexican pinyon pine ^a	--	--	456	249	41	--	--	83	--	--	41	--	--	--	--	--	--	913
Oneseed juniper ^a	143,883	79,829	79,503	68,988	58,518	46,515	36,505	25,957	17,181	10,372	6,844	4,082	2,988	2,016	2,152	585,332		
Ponderosa pine	146,364	132,378	103,697	77,379	55,309	38,334	23,012	16,341	8,467	5,376	3,281	1,663	1,206	671	424	613,902		
Rocky Mountain juniper ^a	65,399	27,863	24,444	16,292	11,051	5,868	4,264	3,196	2,154	1,143	723	494	108	164	118	163,271		
Singleleaf pinyon ^a	--	--	36	--	--	--	--	--	--	--	--	--	--	--	--	--	36	
Southwestern white pine	7,867	6,515	3,545	1,784	1,355	928	778	629	287	321	263	82	46	--	--	--	--	24,401
Subalpine fir	--	--	146	146	109	73	--	--	--	--	--	--	--	--	--	--	474	
Twoneedle pinyon ^a	584,839	353,864	248,522	143,739	76,026	39,028	18,265	9,822	4,614	2,452	527	305	220	140	69	1,482,431		
Utah juniper ^a	29,136	15,863	9,051	6,536	5,239	5,048	4,308	3,569	2,662	1,903	883	1,143	412	101	509	86,362		
White fir	76,277	37,548	25,815	17,653	12,210	8,207	4,773	2,894	1,086	831	445	195	232	223	223	190,474		
Softwood total	1,368,312	831,911	607,949	412,106	270,850	178,898	115,013	76,608	47,349	27,703	17,669	11,241	6,308	4,487	5,460	3,981,864		
Arizona white oak ^a	175,112	33,781	19,212	9,749	6,445	3,406	1,623	1,171	420	272	122	37	120	--	--	--	251,471	
Aspen	62,618	49,860	35,679	23,461	12,233	6,447	2,541	1,512	749	270	113	--	--	--	--	--	195,481	
Bigtooth maple ^a	9,443	1,336	365	362	184	37	--	74	--	--	--	--	--	--	--	--	11,800	
Boxelder	--	--	34	--	34	--	--	--	--	--	--	--	--	--	--	--	67	
Chinkapin oak	--	--	74	74	37	--	--	--	--	--	--	--	--	--	--	--	185	
Cottonwood	862	409	569	481	108	242	64	36	44	44	37	36	46	--	37	3,010		
Emory oak ^a	18,667	4,545	1,798	477	415	498	254	36	95	--	--	75	--	--	82	26,943		
Gambel oak ^a	1,574,227	286,188	66,139	17,845	5,394	2,630	1,086	541	494	365	146	22	56	27	22	1,955,184		
Mesquite ^a	1,130	--	--	--	75	--	--	--	--	--	--	--	--	--	--	--	1,205	
Mexican blue oak ^a	--	--	41	41	124	83	41	--	--	--	--	--	--	--	--	--	332	
New Mexico locust ^a	23,176	5,797	276	--	--	--	--	--	--	--	122	--	--	--	--	--	29,372	
Oak-evergreen ^a	23,533	6,452	2,224	1,542	1,248	895	1,042	352	156	149	177	59	34	57	116	38,037		
Rocky Mountain maple ^a	8,171	1,422	585	269	106	136	107	--	--	36	--	--	--	--	--	--	10,833	
Silverleaf oak ^a	41,124	7,662	2,583	293	254	185	34	24	--	--	--	--	--	--	--	--	52,158	
Velvet mesquite ^a	--	--	83	124	41	41	41	--	--	--	--	--	--	--	--	--	249	
W. honey mesquite ^a	3,788	--	41	41	124	41	--	--	--	--	--	--	--	--	--	--	4,078	
Hardwood total	1,941,850	397,454	129,662	54,760	26,741	14,642	6,875	3,787	1,987	1,223	595	154	333	84	257	2,580,404		
All species	3,310,162	1,229,364	737,611	466,866	297,591	193,540	121,888	80,395	49,336	28,927	18,265	11,394	6,641	4,571	5,717	5,662,268		

^aDiameter taken at root collar rather than at breast height.

Table 33-Total oven-dry weight of biomass of all live trees on nonreserved forest land by species and diameter class, New Mexico, 2000

Species	Diameter class (inches)									All classes								
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9									
	<i>Thousands tons</i>																	
Alligator juniper ^a	38	123	220	372	467	506	621	704	742	571	582	607	284	324	1,313	7,474		
Apache pine	2	--	6	115	124	229	252	126	95	--	--	--	--	--	--	--	46	
Blue spruce	54	65	115	127	31	67	9	6	--	43	59	--	--	65	--	--	112	1,339
Border pinyon ^a	4	1	12	45	73	66	81	43	106	38	23	--	--	--	--	--	158	
Bristlecone pine	--	30	45	--	--	--	--	--	--	--	13	--	--	--	--	--	561	
Chihuahua pine	--	--	--	--	--	--	--	--	--	--	114	--	--	--	--	--	13	
Corkbank fir	349	688	490	618	620	626	393	359	189	183	114	--	--	--	--	--	4,629	
Douglas-fir	543	1,805	2,233	3,206	3,633	3,943	3,714	3,281	2,958	2,007	2,720	1,771	804	831	1,344	34,794		
Engelmann spruce	292	629	716	1,183	1,386	1,564	1,788	897	1,049	435	79	229	--	172	416	10,835		
Limber pine	30	65	171	201	252	222	271	104	71	--	149	131	--	73	--	--	1,742	
Mexican pinyon pine ^a	--	--	5	10	2	5	--	17	--	18	--	--	--	--	--	--	58	
One-seed juniper ^a	87	265	608	1,150	1,735	2,295	2,709	2,691	2,341	1,805	1,520	1,118	1,002	857	1,181	21,364		
Ponderosa pine	732	2,648	4,671	6,046	7,839	9,005	8,271	8,568	6,378	5,387	4,656	3,050	2,546	1,715	1,542	73,054		
Rocky Mountain juniper ^a	49	107	257	376	476	441	477	499	485	299	231	218	62	81	95	4,152		
Singleleaf pinyon ^a	--	--	(^b)	--	--	--	--	--	--	--	--	--	--	--	--	--		
Southwestern white pine	39	140	172	149	193	202	254	282	193	249	277	99	73	--	--	--	2,322	
Subalpine fir	--	--	7	12	14	15	--	--	--	--	--	--	--	--	--	--	48	
Two-needle pinyon ^a	348	1,333	4,022	5,421	5,646	4,755	3,372	2,451	1,453	976	258	205	185	114	69	30,609		
Utah juniper ^a	14	49	70	114	167	267	334	376	382	333	207	347	137	44	318	3,158		
White fir	381	807	1,007	1,491	1,807	1,998	1,678	1,393	1,403	947	900	569	338	362	701	15,783		
Softwood total	2,962	8,756	14,829	20,586	24,563	26,269	24,060	21,828	17,740	13,289	11,694	8,465	5,430	4,574	7,094	212,139		
Arizona white oak ^a	232	223	393	423	497	430	310	310	152	110	58	23	72	--	--	--	3,234	
Aspen	125	474	1,375	2,348	2,402	2,116	1,320	1,064	641	290	157	--	--	--	--	--	12,313	
Bigtooth maple ^a	24	12	13	31	28	12	--	42	--	--	--	--	--	--	--	--	160	
Boxelder	--	--	--	1	--	2	--	--	--	--	--	--	--	--	--	--	3	
Chinkapin oak	--	--	--	2	6	4	--	--	--	--	--	--	--	--	--	--	11	
Cottonwood	2	4	14	36	18	48	19	14	22	27	31	37	64	--	62	397		
Emory oak ^a	19	28	38	25	29	70	77	8	37	--	--	71	--	224	626	626		
Gambel oak ^a	2,634	3,147	3,177	1,794	975	769	455	278	319	341	143	35	87	45	61	14,263		
Mesquite ^a	2	--	--	--	6	--	--	--	--	--	--	--	--	--	--	--	8	
Mexican blue oak ^a	--	--	--	3	2	20	19	17	--	--	--	--	--	--	--	--	60	
New Mexico locust ^a	44	57	17	--	--	--	--	--	--	--	88	--	--	--	--	--	206	
Oak--evergreen ^a	36	43	52	83	88	123	212	74	60	69	140	51	19	55	195	1,300		
Rocky Mountain maple ^a	18	10	24	30	17	24	24	--	23	--	--	--	--	--	--	--	170	
Silverleaf oak ^a	70	50	66	13	31	33	8	9	--	--	--	--	--	--	--	--	281	
Velvet mesquite ^a	--	--	2	10	4	--	--	--	--	--	--	--	--	--	--	--	16	
W. honey mesquite ^a	5	--	1	2	10	6	7	--	--	--	--	--	--	--	--	--	32	
Hardwood total	3,211	4,048	5,175	4,803	4,113	3,652	2,451	1,816	1,253	926	530	147	314	100	543	33,081		
All species	6,173	12,804	20,003	25,389	28,676	29,921	26,512	23,644	18,993	14,215	12,224	8,612	5,744	4,674	7,636	245,220		

^aDiameter taken at root collar rather than at breast height.^bLess than 500 tons.

Table 34--Net volume of all live trees on nonreserved forest land by forest type and stand-size class, New Mexico, 2000

Forest type	Stand-size class			All classes	
	Sawtimber	Poletimber	Sapling/ seedling		
<i>Thousand cubic feet</i>					
Aspen	226,737	339,540	13,023	--	579,300
Blue spruce	104,982	23,571	--	--	128,553
Bristlecone pine	14,333	10,278	--	--	24,611
Cottonwood	28,545	1,726	--	--	30,271
Deciduous woodland oak	108,510	112,178	111,886	--	332,574
Douglas-fir	1,457,145	169,862	8,813	--	1,635,820
Engelmann spruce	279,804	31,798	3,083	--	314,685
Evergreen oak	53,111	31,544	7,474	--	92,129
Juniper	278,040	58,189	479	--	336,708
Limber pine	63,112	--	--	--	63,112
Mesquite	817	--	339	--	1,156
Misc. western hardwoods	--	--	748	--	748
Other western softwoods	37,840	--	--	--	37,840
Pinyon-juniper	3,377,757	1,593,540	29,811	--	5,001,109
Ponderosa pine	3,055,202	175,620	33,331	--	3,264,153
Spruce-fir	444,010	104,344	3,630	--	551,984
White fir	812,692	64,313	3,062	--	880,068
Nonstocked timberland	--	--	--	10,414	10,414
Nonstocked woodland	--	--	--	5,564	5,564
All types	10,342,637	2,716,505	215,679	15,978	13,290,799

Table 35--Net volume of all live trees on nonreserved forest land by species and owner group, New Mexico, 2000

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand cubic feet -----				
Alligator juniper ^a	479,636	11,341	90,979	581,955
Apache pine	2,054	--	--	2,054
Blue spruce	58,391	--	19,566	77,957
Border pinyon ^a	13,006	--	--	13,006
Bristlecone pine	14,636	--	14,010	28,646
Chihuahua pine	556	--	--	556
Corkbark fir	143,256	--	80,468	223,725
Douglas-fir	1,188,833	63,920	375,715	1,628,468
Engelmann spruce	374,873	21,818	242,017	638,707
Limber pine	69,633	730	18,692	89,054
Mexican pinyon pine ^a	4,852	--	--	4,852
Oneseed juniper ^a	397,130	376,963	838,522	1,612,616
Ponderosa pine	2,248,944	77,311	1,098,962	3,425,217
Rocky Mountain juniper ^a	94,684	25,335	196,259	316,278
Singleleaf pinyon ^a	41	--	--	41
Southwestern white pine	100,079	--	21,759	121,837
Subalpine fir	544	--	2,179	2,722
Twoneedle pinyon ^a	1,082,341	248,834	1,063,866	2,395,041
Utah juniper ^a	72,087	104,629	63,708	240,424
White fir	522,983	35,276	221,348	779,606
Softwood total	6,868,559	966,157	4,348,049	12,182,764
Arizona white oak ^a	76,275	607	1,515	78,397
Aspen	495,442	17,886	137,730	651,057
Bigtooth maple ^a	778	--	5,130	5,908
Boxelder	96	--	--	96
Chinkapin oak	363	--	--	363
Cottonwood	7,052	--	17,999	25,051
Emory oak ^a	10,812	963	10,134	21,909
Gambel oak ^a	150,906	6,076	114,410	271,392
Mesquite ^a	169	--	--	169
Mexican blue oak ^a	1,858	--	--	1,858
New Mexico locust ^a	447	--	3,049	3,496
Oak--evergreen ^a	303	3,583	31,984	35,871
Rocky Mountain maple ^a	5,675	--	737	6,412
Silverleaf oak ^a	4,902	--	--	4,902
Velvet mesquite ^a	455	--	--	455
W. honey mesquite ^a	699	--	--	699
Hardwood total	756,231	29,115	322,689	1,108,035
All species	7,624,790	995,272	4,670,738	13,290,799

^aDiameter taken at root collar rather than at breast height.

Table 36—Net volume of all live trees on nonreserved forest land by species and diameter class, New Mexico, 2000

Species	Diameter class (inches)										All classes		
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+ 29.0+
<i>- Thousand cubic feet -</i>													
Alligator juniper ^a	21,770	34,983	41,713	44,446	52,157	58,528	60,170	44,222	44,139	20,473	23,964	91,265	581,955
Apache pine	218	632	—	1,204	—	—	—	—	—	—	—	—	2,054
Blue spruce	5,505	7,200	14,556	16,798	8,248	6,508	4,310	3,162	—	4,845	—	—	77,957
Border pinyon ^a	1,104	2,342	2,659	5,603	781	517	—	—	—	—	—	—	13,006
Bristlecone pine	1,572	3,778	3,567	4,238	2,252	6,121	2,195	1,375	—	3,549	—	—	28,646
Chihuahua pine	—	—	—	—	—	—	—	—	556	—	—	—	556
Corkbark fir	22,933	35,364	38,810	41,475	26,252	24,674	13,366	12,845	8,005	—	—	—	223,725
Douglas-fir	86,904	142,438	172,544	194,023	189,351	170,990	155,762	108,610	146,171	97,337	42,812	46,222	75,306
Engelmann spruce	34,039	68,644	86,162	101,807	120,329	61,458	72,377	30,100	5,687	16,788	—	12,766	28,549
Limber pine	6,519	11,107	13,866	12,472	15,352	6,102	4,333	—	7,603	8,340	—	3,359	—
Mexican pinyon pine ^a	471	854	202	443	—	1,472	—	1,411	—	—	—	—	4,852
One-seed juniper ^a	60,651	105,529	149,936	187,673	211,543	206,320	175,456	130,531	107,497	75,756	68,477	57,985	75,261
Ponderosa pine	155,541	295,569	409,101	466,623	420,342	429,384	317,019	264,718	234,376	151,479	122,313	83,566	75,187
Rocky Mountain juniper ^a	23,321	33,007	39,488	35,530	37,791	38,558	36,495	22,357	17,237	15,996	4,564	6,005	5,929
Singleleaf pinyon ^a	41	—	—	—	—	—	—	—	—	—	—	—	41
Southwestern white pine	6,853	8,226	11,154	11,138	13,931	16,639	11,979	14,562	17,250	6,191	3,913	—	—
Subalpine fir	369	651	807	895	—	—	—	—	—	—	—	—	121,837
Twoneedle pinyon ^a	350,986	462,927	470,837	391,277	272,546	193,320	114,522	76,337	20,418	15,649	11,975	8,777	5,471
Utah juniper ^a	7,103	10,659	14,660	22,334	27,551	28,938	29,668	25,224	15,562	23,745	9,394	3,436	22,149
White fir	39,486	70,199	92,740	108,598	91,344	78,759	79,923	54,532	52,432	31,645	17,582	20,882	41,484
Softwood total	825,386	1,294,109	1,562,801	1,646,577	1,489,769	1,328,287	1,077,574	790,541	676,377	495,449	301,504	266,962	427,427
Arizona white oak ^a	9,572	11,266	14,142	12,724	9,463	9,620	3,877	3,212	1,610	673	2,239	—	78,397
Aspen	80,717	139,389	135,825	115,567	63,317	56,921	35,755	15,848	7,719	—	—	—	651,057
Bigtooth maple ^a	513	1,345	1,297	587	—	2,165	—	—	—	—	—	—	5,908
Boxelder	38	—	59	—	—	—	—	—	—	—	—	—	96
Chinkapin oak	59	197	106	—	—	—	—	—	—	—	—	—	—
Cottonwood	871	2,276	1,146	3,027	1,173	741	1,472	1,208	2,113	2,561	3,886	—	4,579
Emory oak ^a	1,104	850	877	2,583	3,060	167	1,125	—	—	2,009	—	10,134	25,051
Gambel oak ^a	97,129	57,806	32,559	25,659	8,384	10,940	11,925	4,614	1,168	2,624	1,050	2,007	271,392
Mesquite ^a	—	—	169	—	—	—	—	—	—	—	—	—	169
Mexican blue oak ^a	—	105	59	599	489	605	—	—	—	—	—	—	1,858
New Mexico locust ^a	504	—	—	—	—	—	—	—	—	—	—	—	21,909
Oak-evergreen ^a	1,349	2,381	2,555	3,681	6,551	2,329	1,599	1,759	4,160	1,870	63	1,776	3,496
Rocky Mountain maple ^a	947	1,373	788	1,091	1,131	—	1,081	—	—	—	—	—	35,871
Silverleaf oak ^a	1,836	402	1,009	1,078	281	295	—	—	—	—	—	—	6,412
Velvet mesquite ^a	52	283	120	—	—	—	—	—	—	—	—	—	4,902
W. honey mesquite ^a	24	48	269	165	194	—	—	—	—	—	—	—	455
Hardwood total	194,715	217,722	190,981	166,761	101,186	81,228	55,849	36,941	20,215	6,272	10,821	2,826	225,517
All species	1,020,101	1,511,831	1,753,783	1,813,339	1,590,956	1,409,516	1,133,423	827,482	696,592	501,721	312,324	269,788	449,944
													13,290,799

^aDiameter taken at root collar rather than at breast height.

Table 37—Net volume of all live trees on nonreserved forest land by species and forest type. New Mexico, 2000

Species	Forest type									
	Aspen	Blue spruce	Bristlecone pine	Cottonwood	Deciduous woodland oak	Douglas-fir	Engelmann spruce	Evergreen oak	Juniper	Limber pine
										Misc. western hardwoods softwoods
Alligator juniper ^a	--	--	--	--	5,012	7,339	--	9,068	33,748	--
Apache pine	8,899	63,026	--	--	--	--	1,846	--	293	--
Blue spruce	--	--	--	--	3,376	830	--	--	208	--
Border pinyon ^a	--	--	--	--	--	--	--	--	303	811
Bristlecone pine	--	--	--	--	5,209	1,173	--	--	--	--
Chihuahua pine	--	--	--	--	--	--	556	--	--	--
Corkbark fir	19,499	3,418	105	--	25,929	7,530	17,192	--	--	--
Douglas-fir	28,434	24,516	--	--	1,081,125	16,381	3,981	457	9,424	--
Engelmann spruce	27,608	--	1,867	--	46,619	237,885	--	1,370	--	6,386
Limber pine	4,736	--	--	--	27,168	4,654	--	34,918	--	39,170
Mexican pinyon pine ^a	--	--	--	--	--	--	--	--	--	185,761
One-seed juniper ^a	--	--	--	290	5,592	--	1,150	223,733	457	175,231
Ponderosa pine	33,348	10,397	--	4,470	132,708	148,217	1,948	10,098	11,478	26,983
Rocky Mountain juniper ^a	33	--	--	--	133	22,329	8,502	--	20,108	179,920
Singleleaf pinyon ^a	--	--	--	--	--	--	--	--	--	4,698
Southwestern white pine	336	--	--	--	--	43,008	--	--	--	316,088
Sabalpine fir	--	--	--	--	--	562	1,117	--	143	5,940
Twoneedle pinyon ^a	--	--	--	--	8,331	4,057	--	10,463	--	4,413
Utah juniper ^a	--	--	--	--	630	--	--	31,308	--	41,323
White fir	68,936	6,972	--	366	9,092	140,691	2,504	--	4,879	--
Softwood total	191,330	108,329	24,1236	5,239	209,623	1,523,403	283,684	37,864	327,097	63,112
Arizona white oak ^a	--	--	--	--	115	676	--	17,188	3,687	--
Aspen	382,725	20,224	375	--	--	86,772	31,001	--	--	--
Bigtooth maple ^a	--	--	--	--	--	--	--	--	351	--
Boxelder	--	--	--	--	--	96	--	--	--	--
Chinkapin Oak	--	--	--	--	--	--	--	--	235	--
Cottonwood	--	--	--	22,225	--	--	--	--	--	--
Emory oak ^a	--	--	--	--	--	11,233	351	--	--	--
Gambel oak ^a	3,560	--	--	2,787	119,845	22,012	973	3,541	--	10,325
Mesquite ^a	--	--	--	--	--	--	--	--	286	1,896
Mexican blue oak ^a	--	--	--	--	--	--	--	--	176	28,384
New Mexico locust ^a	--	--	--	--	2,991	--	1,858	--	--	69,115
Oak-evergreen ^a	--	--	--	--	--	--	--	--	--	32,461
Rocky Mountain maple ^a	1,184	--	--	--	--	2,860	--	19,513	1,447	--
Silverleaf oak ^a	--	--	--	--	--	--	3,045	--	--	14,911
Velvet mesquite ^a	--	--	--	--	--	--	455	--	--	--
W. honey mesquite ^a	--	--	--	--	--	--	--	699	--	--
Hardwood total	387,469	20,224	375	25,012	122,951	112,416	31,001	54,265	9,611	--
All species	579,330	128,553	24,611	30,271	332,574	1,635,820	314,685	92,129	335,708	63,112

^aDiameter taken at root collar rather than at breast height.

Table 38--Net annual growth of all live trees on nonreserved forest land by species and owner group, New Mexico, 1999

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand cubic feet -----				
Alligator juniper ^a	3,662	91	959	4,711
Apache pine	103	--	--	103
Blue spruce	1,002	--	435	1,437
Border pinyon ^a	232	--	--	232
Bristlecone pine	278	--	180	457
Chihuahua pine	5	--	--	5
Corkbark fir	2,211	--	2,491	4,702
Douglas-fir	18,053	-1,800	8,550	24,802
Engelmann spruce	7,416	355	6,051	13,822
Limber pine	1,025	8	399	1,432
Mexican pinyon ^a	28	--	--	28
Oneseed juniper ^a	3,277	3,396	7,386	14,059
Ponderosa pine	44,705	2,013	24,118	70,836
Rocky Mountain juniper ^a	983	274	2,280	3,537
Singleleaf pinyon ^a	(^b)	--	--	(^b)
Southwestern white pine	1,533	--	484	2,017
Subalpine fir	12	--	47	59
Twoneedle pinyon ^a	18,508	4,673	18,485	41,666
Utah juniper ^a	460	746	446	1,652
White fir	11,490	472	5,190	17,151
Softwood total	114,984	10,227	77,499	202,710
Arizona white oak ^a	1,187	3	10	1,200
Aspen	8,813	-109	3,747	12,451
Bigtooth maple ^a	13	--	111	124
Boxelder	1	--	--	1
Chinkapin oak	8	--	--	8
Cottonwood	-60	--	618	558
Emory oak ^a	85	16	121	222
Gambel oak ^a	3,943	360	3,753	8,056
Mesquite ^a	1	--	--	1
Mexican blue oak ^a	13	--	--	13
New Mexico locust ^a	3	--	9	13
Oak-evergreen ^a	3	53	318	375
Rocky Mountain maple ^a	68	--	9	77
Silverleaf oak ^a	61	--	--	61
Velvet mesquite ^a	6	--	--	6
W. honey mesquite ^a	7	--	--	7
Hardwood total	14,154	324	8,697	23,175
All species	129,138	10,551	86,196	225,885

^aDiameter taken at root collar rather than at breast height.

^bLess than 500 cubic feet.

Table 39.—Net annual growth of all live trees on nonreserved forest land by species and diameter class, New Mexico, 1999

Species	Diameter class (inches)										All classes	
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9		
Thousand cubic feet - -												
Alligator juniper ^a	1,307	488	455	347	454	454	381	176	163	159	87	7
Apache pine	19	32	--	51	--	--	--	--	--	--	--	--
Blue spruce	300	156	328	236	122	167	59	38	--	15	--	15
Border pinyon ^a	76	43	43	60	6	5	--	--	--	--	--	1,437
Bristlecone pine	145	75	57	53	21	63	13	12	--	19	--	232
Chihuahua pine	--	--	--	--	--	--	5	5	--	--	--	457
Corkbark fir	2,166	1,082	479	527	296	290	-467	132	198	--	--	5
Douglas-fir	5,441	3,489	3,582	3,525	3,411	1,493	1,336	658	1,599	-755	193	4,702
Engelmann spruce	2,342	2,010	2,260	2,290	2,385	636	1,078	377	58	202	--	24,802
Limber pine	290	333	273	198	243	-119	55	--	53	85	--	13,822
Mexican pinyon pine ^a	5	7	2	2	--	8	--	4	--	--	--	1,432
One-seed juniper ^a	3,053	1,362	1,659	1,792	1,636	1,410	960	569	513	330	299	28
Ponderosa pine	13,523	10,418	11,830	9,932	7,668	6,585	3,767	3,253	1,650	1,020	69	14,059
Rocky Mountain juniper ^a	1,120	440	405	423	377	256	190	121	79	68	19	608
Singleleaf pinyon ^a	(^b)	--	--	--	--	--	--	--	--	--	--	70,836
Southwestern white pine	413	225	238	178	94	258	176	133	195	84	24	3,537
Subalpine fir	14	11	17	17	--	--	--	--	--	--	--	2,017
Twoneedle pinyon ^a	21,343	7,370	5,671	3,248	1,837	1,046	588	349	65	43	27	59
Utah juniper ^a	406	155	149	129	194	173	44	114	70	107	63	41,666
White fir	3,675	1,977	2,163	2,340	1,909	1,664	1,094	935	897	385	-527	17,151
Softwood total	55,638	29,674	29,611	25,347	20,656	14,388	9,275	6,876	5,537	1,760	281	446
Arizona white oak ^a	490	143	151	179	103	86	17	12	7	2	10	--
Aspen	4,714	3,240	1,859	1,113	441	727	162	108	86	--	--	--
Bigtooth maple ^a	82	18	12	3	--	9	--	--	--	--	--	12,451
Boxelder	1	--	1	--	--	--	--	--	--	--	--	124
Chinkapin oak	2	4	2	--	--	--	--	--	--	--	--	8
Cottonwood	103	67	66	137	-43	9	28	10	93	33	-36	558
Emory oak ^a	13	11	10	25	31	2	4	--	--	4	4	222
Gambel oak ^a	7,071	487	226	87	98	-30	45	62	-7	3	8	8,056
Mesquite ^a	--	--	1	(^b)	--	--	--	--	--	--	--	1
Mexican blue oak ^a	--	--	5	4	3	--	--	--	--	--	--	13
New Mexico locust ^a	4	--	--	--	--	--	--	9	--	--	--	13
Oak-evergreen ^a	75	43	34	51	68	29	14	5	19	12	1	20
Rocky Mountain maple ^a	18	15	14	9	5	--	17	--	--	--	--	375
Silverleaf oak ^a	43	3	7	6	1	--	--	--	--	--	--	61
Velvet mesquite ^a	1	4	2	--	--	--	--	--	--	--	--	6
W. honey mesquite ^a	(^b)	(^b)	3	2	2	--	--	--	--	--	--	7
Hardwood total	12,616	4,036	2,389	1,618	710	837	285	206	198	49	-13	6
All species	68,254	33,711	32,000	26,965	21,366	15,225	9,560	7,083	5,736	1,809	268	1,405
												225,885

^aDiameter taken at root collar rather than at breast height.^bLess than 500 cubic feet.

Table 40--Annual mortality of all trees on nonreserved forest land by species and owner group, New Mexico, 1999

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand cubic feet -----				
Alligator juniper ^a	232	--	76	307
Apache pine	--	--	--	--
Blue spruce	93	--	122	215
Border pinyon ^a	--	--	--	--
Bristlecone pine ^a	--	--	--	--
Chihuahua pine	--	--	--	--
Corkbark fir	1,794	--	70	1,864
Douglas-fir	4,817	2,871	1,124	8,812
Engelmann spruce	469	--	415	885
Limber pine	277	--	--	277
Mexican pinyon ^a	--	--	--	--
Oneseed juniper ^a	139	--	6	145
Ponderosa pine	8,336	265	1,889	10,491
Rocky Mountain juniper ^a	92	--	178	270
Singleleaf pinyon ^a	--	--	--	--
Southwestern white pine	274	--	--	274
Subalpine fir	--	--	--	--
Twoneedle pinyon ^a	1,235	93	392	1,720
Utah juniper ^a	189	--	--	189
White fir	1,949	284	342	2,575
Softwood total	19,897	3,514	4,613	28,024
Arizona white oak ^a	--	--	--	--
Aspen	2,640	435	1,175	4,250
Bigtooth maple ^a	--	--	--	--
Boxelder	--	--	--	--
Chinkapin oak	--	--	--	--
Cottonwood	218	--	10	228
Emory oak ^a	--	--	--	--
Gambel oak ^a	244	1	293	538
Mesquite ^a	--	--	--	--
Mexican blue oak ^a	--	--	--	--
New Mexico locust ^a	--	--	--	--
Oak-evergreen ^a	--	--	--	--
Rocky Mountain maple ^a	--	--	--	--
Silverleaf oak ^a	--	--	--	--
Velvet mesquite ^a	--	--	--	--
W. honey mesquite ^a	--	--	--	--
Hardwood total	3,101	436	1,478	5,016
All species	22,998	3,950	6,091	33,039

^aDiameter taken at root collar rather than at breast height.

Table 41--Annual mortality of all trees on nonreserved forest land by species and diameter class, New Mexico, 1999

Species	Diameter class (inches)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	
Thousand cubic feet -											
Alligator juniper ^a	12	21	112	121	--	--	--	--	--	--	41
Apache pine	--	--	93	--	122	--	--	--	--	--	--
Blue spruce	--	--	--	--	--	--	--	--	--	--	215
Border pinyon ^a	--	--	--	--	--	--	--	--	--	--	--
Bristlecone pine	--	--	--	--	--	--	--	--	--	--	--
Chihuahua pine	--	--	--	--	--	--	--	--	--	--	--
Corkbark fir	178	151	476	260	147	--	653	--	--	--	1,864
Douglas-fir	780	1,080	878	874	123	1,465	780	675	--	1,761	280
Engelmann spruce	122	204	--	231	--	329	--	--	--	--	8,812
Limber pine	19	--	--	--	--	259	--	--	--	--	885
Mexican pinyon pine ^a	--	--	--	--	--	--	--	--	--	--	277
Oneseed juniper ^a	12	14	--	20	--	--	98	--	--	--	--
Ponderosa pine	870	1,055	811	1,596	1,067	1,192	1,051	210	1,010	625	863
Rocky Mountain juniper ^a	19	46	127	--	--	79	--	--	--	--	141
Singleleaf pinyon ^a	--	--	--	--	--	--	--	--	--	--	10,491
Southwestern white pine	--	16	59	73	126	--	--	--	--	--	--
Subalpine fir	--	--	--	--	--	--	--	--	--	--	270
Twoneedle pinyon ^a	289	420	382	380	57	191	--	--	--	--	--
Utah juniper ^a	--	--	--	68	--	--	121	--	--	--	--
White fir	158	333	482	377	328	--	259	--	--	638	--
Softwood total	2,459	3,434	3,327	4,120	1,848	3,514	2,863	982	1,010	2,386	1,781
Arizona white oak ^a	--	--	--	--	--	--	--	--	--	--	--
Aspen	795	659	1,008	956	520	--	312	--	--	--	4,250
Bigtooth maple ^a	--	--	--	--	--	--	--	--	--	--	--
Boxelder	--	--	--	--	--	--	--	--	--	--	--
Chinkapin oak	--	--	--	--	--	--	--	--	--	--	--
Cottonwood	10	48	--	--	--	112	--	--	--	58	228
Emory oak ^a	--	--	--	--	--	--	--	--	--	--	--
Gambel oak ^a	180	117	43	94	--	76	--	--	28	--	538
Mesquite ^a	--	--	--	--	--	--	--	--	--	--	--
Mexican blue oak ^a	--	--	--	--	--	--	--	--	--	--	--
New Mexico locust ^a	--	--	--	--	--	--	--	--	--	--	--
Oak-evergreen ^a	--	--	--	--	--	--	--	--	--	--	--
Rocky Mountain maple ^a	--	--	--	--	--	--	--	--	--	--	--
Silverleaf oak ^a	--	--	--	--	--	--	--	--	--	--	--
Velvet mesquite ^a	--	--	--	--	--	--	--	--	--	--	--
W. honey mesquite ^a	--	--	--	--	--	--	--	--	--	--	--
Hardwood total	985	824	1,051	1,050	632	76	312	--	28	--	58
All species	3,444	4,258	4,377	5,170	2,480	3,590	3,175	982	1,038	2,386	1,838
									300	--	33,039

^aDiameter taken at root collar rather than at breast height.

Table 42--Annual mortality of all trees on nonreserved forest land by species and cause of death, New Mexico, 1999

Species	Cause of death							Total
	Insects	Disease	Fire	Animal	Weather	Suppression	Unknown	
----- Thousand cubic feet -----								
Alligator juniper ^a	--	--	151	--	--	--	156	307
Apache pine	--	--	--	--	--	--	--	--
Blue spruce	64	29	--	--	122	--	--	215
Border pinyon ^a	--	--	--	--	--	--	--	--
Bristlecone pine	--	--	--	--	--	--	--	--
Chihuahua pine	--	--	--	--	--	--	--	--
Corkbark fir	1,219	530	--	--	33	76	7	1,864
Douglas-fir	1,572	2,688	2,850	--	459	153	1,090	8,812
Engelmann spruce	22	155	--	--	606	19	82	885
Limber pine	259	--	19	--	--	--	--	277
Mexican pinyon pine ^a	--	--	--	--	--	--	--	--
Oneseed juniper ^a	--	--	14	--	98	7	26	145
Ponderosa pine	2,945	1,211	5,271	--	883	28	153	10,491
Rocky Mountain juniper ^a	--	--	231	--	--	39	--	270
Singleleaf pinyon ^a	--	--	--	--	--	--	--	--
Southwestern white pine	258	--	--	--	--	16	--	274
Subalpine fir	--	--	--	--	--	--	--	--
Twoneedle pinyon ^a	556	547	14	--	178	66	359	1,720
Utah juniper ^a	--	--	--	--	--	--	189	189
White fir	1,236	575	64	--	246	200	254	2,575
Softwood total	8,131	5,734	8,615	--	2,625	603	2,316	28,024
Arizona white oak ^a	--	--	--	--	--	--	--	--
Aspen	25	3,359	7	77	381	43	358	4,250
Bigtooth maple ^a	--	--	--	--	--	--	--	--
Boxelder	--	--	--	--	--	--	--	--
Chinkapin oak	--	--	--	--	--	--	--	--
Cottonwood	87	10	--	--	--	131	--	228
Emory oak ^a	--	--	--	--	--	--	--	--
Gambel oak ^a	--	96	220	--	94	93	35	538
Mesquite ^a	--	--	--	--	--	--	--	--
Mexican blue oak ^a	--	--	--	--	--	--	--	--
New Mexico locust ^a	--	--	--	--	--	--	--	--
Oak--evergreen ^a	--	--	--	--	--	--	--	--
Rocky Mountain maple ^a	--	--	--	--	--	--	--	--
Silverleaf oak ^a	--	--	--	--	--	--	--	--
Velvet mesquite ^a	--	--	--	--	--	--	--	--
W. honey mesquite ^a	--	--	--	--	--	--	--	--
Hardwood total	112	3,465	227	77	475	267	392	5,016
All species	8,243	9,200	8,842	77	3,099	870	2,709	33,039

^aDiameter taken at root collar rather than at breast height.

Table 43—Area, volume, growth, and mortality of nonreserved forest land by county, New Mexico

County	Area (2000)	Volume (2000)	Growth (1999)	Mortality (1999)
-- Acres -- ----- Thousand cubic feet -----				
Bernalillo	121,852	93,482	1,582	13
Catron	2,130,703	1,904,544	34,642	2,272
Chaves	39,964	8,843	223	--
Cibola	1,014,107	799,834	14,647	853
Colfax	783,324	834,625	16,899	2,735
Curry	--	--	--	--
DeBaca	--	--	--	--
Dona Ana	--	--	--	--
Eddy	117,705	24,675	525	14
Grant	652,261	426,566	7,510	298
Guadalupe	140,453	33,875	485	--
Harding	67,287	18,194	334	--
Hidalgo	82,006	22,600	250	--
Lea	--	--	--	--
Lincoln	536,822	324,341	4,347	1,886
Los Alamos	30,036	75,870	1,188	33
Luna	--	--	--	--
McKinley	1,119,128	709,989	10,236	136
Mora	337,445	412,938	8,488	666
Otero	858,378	1,052,727	20,031	2,333
Quay	--	--	--	--
Rio Arriba	2,140,144	2,388,342	32,772	11,713
Roosevelt	--	--	--	--
Sandoval	696,011	855,713	14,709	2,258
San Juan	468,711	345,254	6,343	192
San Miguel	845,797	729,121	15,216	688
Santa Fe	432,794	270,062	4,463	98
Sierra	316,916	202,297	3,363	276
Socorro	776,465	417,289	5,695	1,088
Taos	686,876	1,041,946	15,820	5,489
Torrance	455,824	258,979	5,249	--
Union	101,963	25,391	590	--
Valencia	24,690	13,300	277	--
Total	14,977,662	13,290,799	225,885	33,039

Nonreserved Timberland

Table 44--Area of nonreserved timberland^a by forest type, stand-size class, and productivity class, New Mexico, 2000

Forest type and stand-size class	Productivity class				
	85-119	50-84	20-49	0-19	Total
----- Acres -----					
Aspen					
Sawtimber	--	40,200	45,729	--	85,929
Poletimber	4,908	35,451	147,215	--	187,574
Sapling/seedling	--	14,560	21,050	--	35,610
Nonstocked	--	--	--	--	--
Total	4,908	90,211	213,994	--	309,113
Blue spruce					
Sawtimber	--	34,400	--	--	34,400
Poletimber	--	--	6,325	--	6,325
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	34,400	6,325	--	40,725
Bristlecone pine					
Sawtimber	--	--	18,795	--	18,795
Poletimber	--	--	6,130	--	6,130
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	24,925	--	24,925
Cottonwood					
Sawtimber	--	--	26,129	--	26,129
Poletimber	--	--	6,050	--	6,050
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	32,179	--	32,179
Douglas-fir					
Sawtimber	5,599	250,707	334,171	10,040	600,518
Poletimber	--	27,408	105,671	1,513	134,591
Sapling/seedling	--	1,527	20,040	--	21,567
Nonstocked	--	--	--	--	--
Total	5,599	279,642	459,882	11,553	756,676
Engelmann spruce					
Sawtimber	--	56,891	30,515	--	87,406
Poletimber	--	9,727	11,752	--	21,478
Sapling/seedling	--	6,130	2,276	--	8,406
Nonstocked	--	--	--	--	--
Total	--	72,748	44,543	--	117,291
Limber pine					
Sawtimber	--	--	29,213	--	29,213
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	29,213	--	29,213
Other western softwoods					
Sawtimber	--	5,963	9,761	--	15,724
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	5,963	9,761	--	15,724
Ponderosa pine					
Sawtimber	6,546	368,270	1,708,638	33,989	2,117,442
Poletimber	--	7,034	216,138	--	223,172
Sapling/seedling	--	6,546	87,258	--	93,803
Nonstocked	--	--	--	--	--
Total	6,546	381,849	2,012,034	33,989	2,434,417
Spruce-fir					
Sawtimber	--	61,995	60,279	--	122,274
Poletimber	--	13,054	33,686	--	46,740
Sapling/seedling	--	--	6,130	--	6,130
Nonstocked	--	--	--	--	--
Total	--	75,049	100,095	--	175,144

(con.)

Table 44 (Con.)

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
White fir					
Sawtimber	11,723	251,601	62,745	--	326,069
Poletimber	--	19,056	19,833	--	38,889
Sapling/seedling	--	--	6,325	--	6,325
Nonstocked	--	--	--	--	--
Total	11,723	270,657	88,903	--	371,283
Nonstocked timberland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	5,865	42,463	49,418	--	97,746
Total	5,865	42,463	49,418	--	97,746
All types					
Sawtimber	23,868	1,070,028	2,325,975	44,029	3,463,899
Poletimber	4,908	111,729	552,799	1,513	670,949
Sapling/seedling	--	28,763	143,078	--	171,841
Nonstocked	5,865	42,463	49,418	--	97,746
Total	34,642	1,252,982	3,071,270	45,541	4,404,435

^aOn tables 44 through 78, nonreserved timberland includes (traditional timber types) all productivity classes, and deciduous woodland oak, evergreen oak, juniper, mesquite, misc. western hardwoods, pinyon-juniper, nonstocked woodland.

Table 45--Area of National Forest nonreserved timberland by forest type, stand-size class, and productivity class, New Mexico, 2000

Forest type and stand-size class	Productivity class				
	85-119	50-84	20-49	0-19	Total
----- Acres -----					
Aspen					
Sawtimber	--	34,729	26,203	--	60,932
Poletimber	4,908	19,409	107,488	--	131,805
Sapling/seedling	--	6,130	14,999	--	21,129
Nonstocked	--	--	--	--	--
Total	4,908	60,268	148,689	--	213,866
Blue spruce					
Sawtimber	--	22,694	--	--	22,694
Poletimber	--	--	6,325	--	6,325
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	22,694	6,325	--	29,018
Bristlecone pine					
Sawtimber	--	--	--	--	--
Poletimber	--	--	6,130	--	6,130
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	6,130	--	6,130
Cottonwood					
Sawtimber	--	--	13,907	--	13,907
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	13,907	--	13,907
Douglas-fir					
Sawtimber	5,599	199,778	231,116	--	436,494
Poletimber	--	12,869	19,786	--	32,655
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	5,599	212,647	250,903	--	469,149
Engelmann spruce					
Sawtimber	--	25,557	17,505	--	43,062
Poletimber	--	--	6,299	--	6,299
Sapling/seedling	--	6,130	--	--	6,130
Nonstocked	--	--	--	--	--
Total	--	31,687	23,804	--	55,491
Limber pine					
Sawtimber	--	--	24,674	--	24,674
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	24,674	--	24,674
Other western softwoods					
Sawtimber	--	5,963	9,761	--	15,724
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	5,963	9,761	--	15,724
Ponderosa pine					
Sawtimber	6,546	287,526	1,059,216	8,579	1,361,866
Poletimber	--	1,466	137,398	--	138,864
Sapling/seedling	--	6,546	58,528	--	65,074
Nonstocked	--	--	--	--	--
Total	6,546	295,538	1,255,142	8,579	1,565,805
Spruce-fir					
Sawtimber	--	31,157	34,798	--	65,954
Poletimber	--	1,532	18,804	--	20,337
Sapling/seedling	--	--	6,130	--	6,130
Nonstocked	--	--	--	--	--
Total	--	32,689	59,732	--	92,421

(con.)

Table 45 (Con.)

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
White fir					
Sawtimber	11,723	160,252	37,319	--	209,294
Poletimber	--	19,056	10,727	--	29,783
Sapling/seedling	--	--	6,325	--	6,325
Nonstocked	--	--	--	--	--
Total	11,723	179,308	54,371	--	245,402
Nonstocked timberland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	5,865	25,500	47,310	--	78,676
Total	5,865	25,500	47,310	--	78,676
All types					
Sawtimber	23,868	767,656	1,454,499	8,579	2,254,601
Poletimber	4,908	54,332	312,957	--	372,198
Sapling/seedling	--	18,805	85,982	--	104,787
Nonstocked	5,865	25,500	47,310	--	78,676
Total	34,642	866,293	1,900,748	8,579	2,810,262

Table 46--Area of other publicly owned nonreserved timberland by forest type, stand-size class, and productivity class, New Mexico, 2000

Forest type and stand-size class	Productivity class				
	85-119	50-84	20-49	0-19	Total
----- Acres -----					
Aspen					
Sawtimber	--	--	6,731	--	6,731
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	6,731	--	6,731
Blue spruce					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Bristlecone pine					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Cottonwood					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Douglas-fir					
Sawtimber	--	--	31,560	--	31,560
Poletimber	--	--	7,890	--	7,890
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	39,450	--	39,450
Engelmann spruce					
Sawtimber	--	6,484	--	--	6,484
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	6,484	--	--	6,484
Limber pine					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Other western softwoods					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Ponderosa pine					
Sawtimber	--	--	56,928	--	56,928
Poletimber	--	--	21,048	--	21,048
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	77,977	--	77,977
Spruce-fir					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--

(con.)

Table 46 (Con.)

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
White fir					
Sawtimber	--	7,890	7,890	--	15,780
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	7,890	7,890	--	15,780
Nonstocked timberland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
All types					
Sawtimber	--	14,374	103,109	--	117,483
Poletimber	--	--	28,938	--	28,938
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	14,374	132,047	--	146,421

Table 47--Area of nonindustrial private nonreserved timberland by forest type, stand-size class, and productivity class, New Mexico, 2000

Forest type and stand-size class	Productivity class				
	85-119	50-84	20-49	0-19	Total
----- Acres -----					
Aspen					
Sawtimber	--	5,471	12,796	--	18,266
Poletimber	--	16,042	39,727	--	55,769
Sapling/seedling	--	8,430	6,051	--	14,481
Nonstocked	--	--	--	--	--
Total	--	29,943	58,574	--	88,516
Blue spruce					
Sawtimber	--	11,707	--	--	11,707
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	11,707	--	--	11,707
Bristlecone pine					
Sawtimber	--	--	18,795	--	18,795
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	18,795	--	18,795
Cottonwood					
Sawtimber	--	--	12,223	--	12,223
Poletimber	--	--	6,050	--	6,050
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	18,273	--	18,273
Douglas-fir					
Sawtimber	--	50,929	71,495	10,040	132,464
Poletimber	--	14,539	77,994	1,513	94,046
Sapling/seedling	--	1,527	20,040	--	21,567
Nonstocked	--	--	--	--	--
Total	--	66,995	169,529	11,553	248,078
Engelmann spruce					
Sawtimber	--	24,851	13,010	--	37,860
Poletimber	--	9,727	5,452	--	15,179
Sapling/seedling	--	--	2,276	--	2,276
Nonstocked	--	--	--	--	--
Total	--	34,577	20,739	--	55,316
Limber pine					
Sawtimber	--	--	4,538	--	4,538
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	4,538	--	4,538
Other western softwoods					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	--	--	--	--
Ponderosa pine					
Sawtimber	--	80,743	592,493	25,410	698,647
Poletimber	--	5,567	57,692	--	63,259
Sapling/seedling	--	--	28,729	--	28,729
Nonstocked	--	--	--	--	--
Total	--	86,311	678,915	25,410	790,636
Spruce-fir					
Sawtimber	--	30,839	25,481	--	56,320
Poletimber	--	11,522	14,882	--	26,403
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	42,360	40,363	--	82,723

(con.)

Table 47 (Con.)

Forest type and stand-size class	Productivity class				Total
	85-119	50-84	20-49	0-19	
----- Acres -----					
White fir					
Sawtimber	--	83,459	17,536	--	100,995
Poletimber	--	--	9,106	--	9,106
Sapling/seedling	--	--	--	--	--
Nonstocked	--	--	--	--	--
Total	--	83,459	26,642	--	110,101
Nonstocked timberland					
Sawtimber	--	--	--	--	--
Poletimber	--	--	--	--	--
Sapling/seedling	--	--	--	--	--
Nonstocked	--	16,963	2,108	--	19,070
Total	--	16,963	2,108	--	19,070
All types					
Sawtimber	--	287,998	768,367	35,450	1,091,816
Poletimber	--	57,397	210,903	1,513	269,813
Sapling/seedling	--	9,958	57,097	--	67,054
Nonstocked	--	16,963	2,108	--	19,070
Total	--	372,315	1,038,475	36,963	1,447,753

Table 48—Area of nonreserved timberland by stand volume and owner group, New Mexico, 2000

Stand volume per acre ^a	Owner group				Total
	National Forest	Other public	Nonindustrial private	Acres	
Less than 1,500 board feet	385,595	13,158	233,916	632,869	
1,500 to 4,999 board feet	875,242	80,598	639,317	1,595,157	
5,000 to 9,999 board feet	918,492	39,450	382,218	1,340,159	
10,000 board feet or more	630,933	13,214	192,302	836,450	
Total	2,810,262	146,421	1,447,753	4,404,435	

^aInternational 1/4-inch rule.

Table 49—Number of growing stock trees on nonreserved timberland by species and diameter class, New Mexico, 2000

Species	Diameter class (inches at breast height)										All classes					
	1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	28.0+ 29.0+	
Blue spruce	9,688	3,017	2,685	1,346	903	377	190	73	42	--	38	--	--	35	19,739	
Bristlecone pine	--	937	992	992	583	372	109	273	72	37	55	--	--	--	4,421	
Corkbark fir	66,175	30,715	12,547	7,121	3,822	2,457	1,070	671	261	210	117	--	--	--	125,165	
Douglas-fir	79,039	61,401	44,387	31,231	20,217	14,110	8,743	5,718	3,817	1,956	2,056	1,041	440	357	435	274,946
Erlengmann spruce	46,860	26,850	16,881	12,692	8,478	6,006	4,574	1,712	1,518	495	67	148	--	75	107	126,462
Limber pine	5,559	3,040	3,431	2,388	1,838	1,021	775	256	118	--	106	111	--	38	--	18,681
Ponderosa pine	98,080	99,444	84,218	64,770	46,322	32,641	19,290	13,719	7,232	4,600	2,934	1,238	1,040	592	370	476,490
Southwestern white pine	6,497	5,776	3,402	1,525	1,319	803	747	629	287	306	250	82	37	--	--	21,661
Subalpine fir	--	--	146	146	109	73	--	--	--	--	--	--	--	--	474	
White fir	70,789	35,023	24,495	17,107	11,633	8,019	4,451	2,788	1,958	1,028	792	396	195	232	188	179,094
Softwood total	382,689	266,204	193,182	139,318	95,665	66,404	40,135	25,955	15,336	8,673	6,321	3,110	1,712	1,294	1,135	1,247,132
Aspen	58,274	42,751	31,447	22,361	10,856	5,730	2,088	1,271	713	153	77	--	--	--	--	175,722
Cottonwood	--	--	251	426	36	143	36	--	36	44	37	36	46	--	37	1,131
Hardwood total	58,274	42,751	31,698	22,787	10,893	5,872	2,125	1,271	750	198	115	36	46	--	37	176,853
All species	440,963	308,955	224,880	162,105	106,558	72,276	42,260	27,226	16,085	8,871	6,435	3,146	1,758	1,294	1,172	1,423,985

Table 50--Number of cull and hard dead trees on nonreserved timberland by owner group, and softwoods and hardwoods, New Mexico, 2000

Owner group	Species group	Cull trees			Hard dead	
		Rough	Rotten	Total	trees	Total
----- Thousand trees -----						
National Forest	Softwoods	10,774	625	11,399	41,016	52,415
	Hardwoods	2,599	1,563	4,162	23,623	27,786
	Total	13,373	2,188	15,561	64,639	80,201
Other public	Softwoods	527	--	527	1,435	1,962
	Hardwoods	81	411	492	2,908	3,400
	Total	608	411	1,019	4,343	5,362
Nonindustrial private	Softwoods	7,367	209	7,576	21,632	29,209
	Hardwoods	2,550	1,532	4,082	10,433	14,514
	Total	9,917	1,742	11,658	32,065	43,723
Total	Softwoods	18,668	834	19,502	64,083	83,586
	Hardwoods	5,230	3,506	8,736	36,964	45,700
	Total	23,898	4,340	28,238	101,047	129,285

Table 51--Net volume of growing stock on nonreserved timberland by forest type and stand-size class, New Mexico, 2000

Forest type	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling/seedling	Nonstocked	
----- Thousand cubic feet -----					
Aspen	205,200	328,885	12,950	--	547,035
Blue spruce	103,651	23,383	--	--	127,034
Bristlecone pine	14,333	9,812	--	--	24,145
Cottonwood	23,839	1,726	--	--	25,565
Douglas-fir	1,392,322	158,349	6,837	--	1,557,507
Engelmann spruce	277,795	31,261	3,083	--	312,139
Limber pine	59,576	--	--	--	59,576
Other western softwoods	34,576	--	--	--	34,576
Ponderosa pine	2,783,882	155,404	29,449	--	2,968,735
Spruce-fir	442,106	103,526	3,630	--	549,262
White fir	781,248	62,067	3,062	--	846,377
Nonstocked timberland	--	--	--	8,179	8,179
All types	6,118,527	874,411	59,012	8,179	7,060,129

Table 52--Net volume of sawtimber (International 1/4-inch rule) on nonreserved timberland by forest type and stand-size class, New Mexico, 2000

Forest type	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling/seedling	Nonstocked	
----- Thousand board feet -----					
Aspen	830,692	594,185	34,355	--	1,459,231
Blue spruce	456,719	69,045	--	--	525,764
Bristlecone pine	62,165	18,463	--	--	80,628
Cottonwood	93,265	1,656	--	--	94,921
Douglas-fir	6,288,505	388,687	15,330	--	6,692,522
Engelmann spruce	1,268,537	83,512	6,407	--	1,358,455
Limber pine	240,360	--	--	--	240,360
Other western softwoods	172,367	--	--	--	172,367
Ponderosa pine	12,511,405	338,507	129,655	--	12,979,567
Spruce-fir	1,987,046	307,219	14,955	--	2,309,220
White fir	3,386,568	134,118	12,494	--	3,533,180
Nonstocked timberland	--	--	--	32,410	32,410
All types	27,297,630	1,935,391	213,195	32,410	29,478,625

Table 53--Net volume of sawtimber (Scribner rule) on nonreserved timberland by forest type and stand-size class, New Mexico, 2000

Forest type	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling/seedling	Nonstocked	
----- Thousand board feet -----					
Aspen	673,763	481,437	26,874	--	1,182,074
Blue spruce	374,244	53,372	--	--	427,616
Bristlecone pine	53,737	14,733	--	--	68,469
Cottonwood	81,586	1,239	--	--	82,825
Douglas-fir	5,192,187	308,601	12,032	--	5,512,820
Engelmann spruce	1,012,524	63,337	4,619	--	1,080,481
Limber pine	200,122	--	--	--	200,122
Other western softwoods	150,218	--	--	--	150,218
Ponderosa pine	10,745,576	278,786	112,667	--	11,137,029
Spruce-fir	1,590,898	241,153	11,767	--	1,843,818
White fir	2,885,604	106,397	10,093	--	3,002,094
Nonstocked timberland	--	--	--	26,351	26,351
All types	22,960,458	1,549,055	178,052	26,351	24,713,916

Table 54--Net volume of growing stock on nonreserved timberland by species and owner group, New Mexico, 2000

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand cubic feet -----				
Blue spruce	58,321	--	19,566	77,887
Bristlecone pine	13,674	--	14,010	27,684
Corkbark fir	142,618	--	80,012	222,630
Douglas-fir	1,147,456	62,844	340,909	1,551,208
Engelmann spruce	373,402	21,607	240,518	635,526
Limber pine	67,674	730	17,368	85,772
Ponderosa pine	1,947,589	60,600	954,530	2,962,719
Southwestern white pine	96,260	--	21,759	118,019
Subalpine fir	544	--	2,179	2,722
White fir	499,243	35,203	213,078	747,524
Softwood total	4,346,779	180,983	1,903,928	6,431,691
Aspen	458,285	17,284	131,616	607,185
Cottonwood	6,214	--	15,039	21,253
Hardwood total	464,500	17,284	146,654	628,438
All species	4,811,279	198,267	2,050,583	7,060,129

Table 55--Net volume of sawtimber (International 1/4-inch rule) on nonreserved timberland by species and owner group, New Mexico, 2000

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand board feet -----				
Blue spruce	252,581	--	74,626	327,207
Bristlecone pine	42,074	--	62,165	104,239
Corkbark fir	539,283	--	293,703	832,985
Douglas-fir	5,282,207	225,666	1,297,946	6,805,819
Engelmann spruce	1,668,824	89,068	1,043,582	2,801,474
Limber pine	258,620	2,468	44,255	305,343
Ponderosa pine	9,009,953	228,149	3,995,830	13,233,932
Southwestern white pine	422,426	--	93,651	516,077
Subalpine fir	1,804	--	5,539	7,343
White fir	2,030,745	125,833	848,610	3,005,188
Softwood total	19,508,517	671,184	7,759,905	27,939,607
Aspen	1,188,121	20,690	249,205	1,458,017
Cottonwood	25,052	--	55,949	81,001
Hardwood total	1,213,174	20,690	305,155	1,539,018
All species	20,721,691	691,874	8,065,060	29,478,625

Table 56--Net volume of sawtimber (Scribner rule) on nonreserved timberland by species and owner group, New Mexico, 2000

Species	Owner group				
	National Forest	Other public	Nonindustrial private	Total	
- Thousand board feet -					
Blue spruce	199,261	--	59,169	258,430	
Bristlecone pine	34,779	--	53,737	88,516	
Corkbark fir	423,287	--	231,001	654,288	
Douglas-fir	4,289,123	185,685	1,081,338	5,556,147	
Engelmann spruce	1,335,282	70,930	829,992	2,236,204	
Limber pine	220,385	1,944	36,745	259,074	
Ponderosa pine	7,763,381	195,517	3,454,779	11,413,677	
Southwestern white pine	363,327	--	81,929	445,255	
Subalpine fir	1,359	--	4,070	5,429	
White fir	1,734,767	103,841	723,888	2,562,495	
Softwood total	16,364,953	557,916	6,556,647	23,479,516	
Aspen	947,618	15,963	199,086	1,162,668	
Cottonwood	22,279	--	49,452	71,732	
Hardwood total	969,897	15,963	248,538	1,234,399	
All species	17,334,850	573,880	6,805,185	24,713,916	

Table 57--Net volume of growing stock on nonreserved timberland by species and diameter class, New Mexico, 2000

Species	Diameter class (inches at breast height)										All classes	
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9
- Thousand cubic feet -												
Blue spruce	5,435	7,200	14,556	16,798	8,248	6,508	4,310	3,162	--	4,845	--	--
Bristlecone pine	1,474	3,778	3,567	3,869	1,756	6,121	2,195	1,375	--	3,549	--	--
Corkbark fir	22,563	35,024	38,427	41,475	26,252	24,674	13,366	12,845	8,005	--	--	27,684
Douglas-fir	80,734	134,266	162,245	182,924	177,554	164,436	149,749	104,517	139,886	94,722	39,519	74,596
Engelmann spruce	33,168	68,060	85,570	100,675	120,329	61,458	72,377	30,100	5,687	16,788	12,766	28,549
Limber pine	6,099	10,899	13,215	12,472	14,959	6,102	4,333	--	5,993	8,340	3,359	--
Ponderosa pine	129,778	253,673	351,405	408,851	359,741	370,083	277,249	231,401	215,706	115,547	107,464	74,790
Southwestern white pine	6,573	7,202	10,988	9,984	13,803	16,639	11,979	14,350	16,556	6,191	3,753	--
Subalpine fir	369	651	807	895	--	--	--	--	--	--	--	--
White fir	37,978	68,583	89,401	106,176	86,719	76,669	76,281	54,084	50,038	30,136	17,582	20,882
Softwood total	324,171	589,335	770,180	884,120	809,362	732,689	611,839	451,834	441,872	280,118	168,318	157,855
Aspen	75,094	135,627	128,496	108,477	58,301	52,378	33,208	9,028	6,577	--	--	--
Cottonwood	348	2,086	337	1,891	773	--	1,472	1,208	2,113	2,561	3,886	--
Hardwood total	75,442	137,713	128,833	110,368	59,074	52,378	34,680	10,235	8,690	2,561	3,886	--
All species	399,612	727,048	899,013	994,488	868,436	785,067	646,519	462,069	450,562	282,680	172,203	157,855

Table 58--Net volume of sawtimber (International 1/4-inch rule) on nonreserved timberland by species and diameter class, New Mexico, 2000

Species	Diameter class (inches at breast height)									All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	
- - Thousand board feet - -										
Blue spruce	61,812	84,960	44,716	36,126	24,801	18,387	--	28,353	--	28,053
Bristlecone pine	10,810	15,031	8,496	30,889	11,384	7,433	--	20,196	--	--
Corkbark fir	165,200	207,018	137,982	135,358	74,201	70,624	42,602	--	--	104,239
Douglas-fir	542,383	789,395	865,192	860,224	821,107	587,986	813,605	561,675	230,772	283,373
Engelmann spruce	362,298	505,266	648,350	343,415	406,112	166,177	31,307	97,332	--	73,441
Limber pine	40,353	47,765	66,310	30,154	23,109	--	29,715	47,881	--	20,056
Ponderosa pine	1,180,877	1,771,121	1,778,119	1,983,755	1,584,825	1,372,009	1,284,763	702,566	666,623	472,927
Southwestern white pine	34,874	41,336	64,921	84,468	64,333	78,754	87,616	36,961	22,814	--
Subalpine fir	2,831	4,512	--	--	--	--	--	--	--	516,077
White fir	310,121	440,066	398,398	370,613	382,285	284,525	265,414	158,447	96,757	117,509
Softwood total	2,711,559	3,906,470	4,012,485	3,875,002	3,392,157	2,585,895	2,555,020	1,653,410	1,016,966	967,306
Aspen	(^a)	560,035	322,854	312,216	185,449	48,552	28,911	--	--	--
Cottonwood	(^a)	7,640	3,868	--	5,554	6,694	10,030	8,606	16,162	22,448
Hardwood total	(^a)	567,675	326,722	312,216	191,002	55,246	38,941	8,606	16,162	22,448
All species	2,711,559	4,474,145	4,339,207	4,187,217	3,583,159	2,641,141	2,593,961	1,662,016	1,033,127	967,306
										1,285,786
										29,478,625

^aHardwoods are not considered sawtimber until they are 11 inches d.b.h.**Table 59--Net volume of sawtimber (Scribner rule) on nonreserved timberland by species and diameter class, New Mexico, 2000**

Species	Diameter class (inches at breast height)									All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	
- - Thousand board feet - -										
Blue spruce	44,376	65,191	35,394	29,320	20,482	15,410	--	24,085	--	24,173
Bristlecone pine	8,238	12,106	7,093	26,342	9,945	6,550	--	18,243	--	--
Corkbark fir	119,223	158,208	109,763	110,317	61,534	59,249	35,994	--	--	88,516
Douglas-fir	381,340	599,503	683,650	703,260	682,414	497,165	688,595	481,231	197,343	245,167
Engelmann spruce	259,405	386,900	516,585	279,697	336,633	139,223	26,507	82,814	--	63,033
Limber pine	31,040	38,415	55,373	25,673	20,146	--	26,645	43,278	--	18,506
Ponderosa pine	878,902	1,419,986	1,491,989	1,714,821	1,398,777	1,230,348	1,168,421	644,471	616,550	439,911
Southwestern white pine	26,784	33,357	53,949	72,316	56,122	69,759	78,543	33,517	20,907	--
Subalpine fir	1,960	3,469	--	--	--	--	--	--	--	445,255
White fir	227,578	348,643	329,796	316,361	335,172	252,902	239,284	144,404	88,601	109,086
Softwood total	1,978,845	3,065,776	3,283,590	3,278,105	2,921,225	2,270,697	2,263,991	1,472,043	923,401	875,703
Aspen	(^a)	429,090	257,652	255,615	154,591	41,032	24,688	--	--	--
Cottonwood	(^a)	6,061	3,242	--	4,832	5,814	8,827	7,658	14,697	20,599
Hardwood total	(^a)	435,151	260,895	255,615	159,423	46,847	33,515	7,658	14,697	20,599
All species	1,978,845	3,500,927	3,544,485	3,533,720	3,080,648	2,317,544	2,297,505	1,479,701	938,098	875,703
										1,166,739
										24,713,916

^aHardwoods are not considered sawtimber until they are 11 inches d.b.h.

Table 60--Net volume of trees on nonreserved timberland by class of timber, and softwoods and hardwoods, New Mexico, 2000

Class of timber	Softwoods	Hardwoods	Total
----- - Thousand cubic feet -----			
Sawtimber trees			
Sawlog portion	4,878,938	215,567	5,094,504
Upper-stem portion	639,248	70,884	710,132
Total	5,518,186	286,451	5,804,636
Poletimber trees	913,505	341,988	1,255,493
All growing-stock trees	6,431,691	628,439	7,060,129
Rough cull trees	78,886	36,312	115,198
Rotten cull trees	5,919	10,414	16,332
Other live volume	182,078	147,073	329,151
Salvable dead trees	536,146	148,340	684,486
All timber	7,234,719	970,577	8,205,296

Table 61--Net volume of growing stock on nonreserved timberland by species and forest type, New Mexico, 2000

Species	Forest type							All types			
	Blue spruce	Bristlecone pine	Cottonwood	Douglas-fir	Engelmann spruce	Limber pine	Ponderosa pine	Spruce-fir	White fir	Nonstocked timberland	
----- - Thousand cubic feet -----											
Blue spruce	8,829	63,026	--	--	3,376	830	--	--	811	712	--
Bristlecone pine	--	21,798	--	--	4,714	1,173	--	--	--	--	77,887
Corkbark fir	19,453	3,418	105	--	7,530	16,907	--	--	--	--	27,684
Douglas-fir	28,254	24,327	--	--	1,075,267	16,212	8,684	6,386	174,466	--	222,630
Engelmann spruce	27,583	--	1,867	--	45,581	236,841	1,370	--	185,496	26,983	1,551,208
Limber pine	4,736	--	--	--	26,899	4,528	32,503	--	315,183	4,698	2,245
Ponderosa pine	33,074	10,397	--	--	4,470	145,200	1,948	11,097	6,735	2,664,760	5,505
Southwestern white pine	336	--	--	--	42,025	--	--	--	15,588	20,222	--
Subalpine fir	--	--	--	--	562	1,117	1,043	--	--	39,848	118,019
White fir	68,223	6,972	--	366	129,477	2,504	4,879	5,868	57,712	327	471,196
Softwood total	190,489	108,140	23,770	4,837	1,480,631	282,060	59,576	34,576	2,940,917	517,853	7,654
Aspen	356,546	18,893	375	--	76,877	30,078	--	--	27,818	31,408	65,190
Cottonwood	--	--	--	20,728	--	--	--	--	--	--	525
Hardwood total	356,546	18,893	375	20,728	76,877	30,078	--	--	27,818	31,408	65,190
All species	547,036	127,034	24,145	25,565	1,557,507	312,139	59,576	34,576	2,968,735	549,262	846,377
										8,179	7,060,129

Table 62--Net volume of sawtimber (International 1/4-inch rule) on nonreserved timberland by species and forest type, New Mexico, 2000

Species	Forest type							All types					
	Aspen	Blue spruce	Bristlecone pine	Cottonwood	Douglas-fir	Engelmann spruce	Limber pine	Other western softwoods	Ponderosa pine	Spruce-fir	White fir	Nonstocked timberland	
- Thousand board feet -													
Blue spruce	36,927	278,903	--	--	6,100	657	--	--	1,294	--	3,326	--	
Bristlecone pine	--	--	80,628	--	20,805	2,805	--	--	--	--	--	327,207	
Corkbark fir	68,186	13,970	--	--	12,096	61,329	--	--	3,154	674,251	--	--	
Douglas-fir	108,981	123,093	--	--	4,813,428	69,376	38,371	30,411	684,990	129,030	808,139	--	
Engelmann spruce	96,560	--	--	--	160,992	1,055,998	5,425	--	--	1,457,236	16,142	9,121	
Limber pine	17,065	--	--	--	87,332	14,115	122,945	--	--	--	24,885	--	
Ponderosa pine	158,403	45,600	--	--	14,926	679,137	2,579	49,907	36,876	11,870,119	--	354,911	
Southwestern white pine	756	--	--	--	156,509	--	--	80,024	75,619	--	203,169	--	
Subalpine fir	--	--	--	--	998	1,804	4,540	--	--	--	--	7,343	
White fir	264,834	30,370	--	808	504,539	10,839	19,172	25,055	212,642	--	1,936,929	--	
Softwood total	751,712	491,936	80,628	15,734	6,441,935	1,219,502	240,360	172,367	12,886,820	2,260,516	3,347,501	30,595	27,939,607
Aspen	707,518	33,829	--	--	250,587	138,953	--	--	92,747	48,704	185,679	--	1,458,017
Cottonwood	--	--	--	79,187	--	--	--	--	--	--	--	1,814	81,001
Hardwood total	707,518	33,829	--	79,187	250,587	138,953	--	--	92,747	48,704	185,679	--	1,539,018
All species	1,459,231	525,764	80,628	94,921	6,692,522	1,358,455	240,360	172,367	12,979,567	2,309,220	3,533,180	32,410	29,478,625

Table 63--Net volume of sawtimber (Scribner rule) on nonreserved timberland by species and forest type, New Mexico, 2000

Species	Forest type							All types					
	Aspen	Blue spruce	Bristlecone pine	Cottonwood	Douglas-fir	Engelmann spruce	Limber pine	Other western softwoods	Ponderosa pine	Spruce-fir	White fir	Nonstocked timberland	
- Thousand board feet -													
Blue spruce	28,109	221,789	--	--	4,575	450	--	--	921	--	2,587	--	
Bristlecone pine	--	--	68,469	--	17,777	2,269	--	--	--	--	--	258,430	
Corkbark fir	54,612	10,301	--	--	8,695	48,912	--	--	2,234	529,534	--	--	
Douglas-fir	85,239	100,956	--	--	3,925,889	55,235	30,794	26,869	550,913	102,965	677,287	--	
Engelmann spruce	75,530	--	--	--	125,699	838,349	4,088	--	--	1,173,125	12,331	7,084	
Limber pine	14,676	--	--	--	72,305	11,466	105,084	--	33,250	--	22,294	--	
Ponderosa pine	137,125	40,290	--	11,981	588,256	1,887	40,571	32,389	10,235,612	--	307,754	17,810	
Southwestern white pine	575	--	--	--	133,223	--	--	69,697	63,222	--	178,538	--	
Subalpine fir	--	--	--	--	680	1,359	3,390	--	--	--	--	5,429	
White fir	224,409	25,624	--	569	432,514	8,793	16,195	21,262	177,194	--	1,655,936	--	
Softwood total	620,274	398,959	68,469	12,550	5,309,613	968,720	200,122	150,218	11,063,347	1,805,624	2,856,725	24,894	23,479,516
Aspen	561,800	28,656	--	203,207	111,760	--	--	--	73,682	38,194	145,369	--	1,162,668
Cottonwood	--	--	--	70,275	--	--	--	--	--	--	--	1,456	71,732
Hardwood total	561,800	28,656	--	70,275	203,207	111,760	--	--	73,682	38,194	145,369	--	1,234,399
All species	1,182,074	427,616	68,469	82,825	5,512,820	1,080,481	200,122	150,218	11,137,029	1,843,818	3,002,094	26,351	24,713,916

Table 64--Net annual growth of growing stock on nonreserved timberland by species and owner group, New Mexico, 1999

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand cubic feet -----				
Blue spruce	999	--	435	1,434
Bristlecone pine	271	--	180	450
Corkbark fir	2,202	--	2,477	4,679
Douglas-fir	17,428	432	7,503	25,362
Engelmann spruce	7,360	351	5,966	13,677
Limber pine	1,005	8	377	1,390
Ponderosa pine	41,510	1,950	20,591	64,051
Southwestern white pine	1,441	--	484	1,925
Subalpine fir	12	--	47	59
White fir	11,006	469	4,848	16,323
Softwood total	83,233	3,210	42,907	129,350
Aspen	8,149	-125	3,328	11,352
Cottonwood	-130	--	448	318
Hardwood total	8,019	-125	3,776	11,670
All species	91,252	3,085	46,683	141,020

Table 65--Net annual growth of sawtimber (International 1/4-inch rule) on nonreserved timberland by species and owner group, New Mexico, 1999

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand board feet -----				
Blue spruce	5,808	--	3,499	9,307
Bristlecone pine	1,254	--	591	1,845
Corkbark fir	5,704	--	9,263	14,967
Douglas-fir	94,457	1,043	36,530	132,030
Engelmann spruce	41,274	1,423	31,654	74,351
Limber pine	5,184	613	1,197	6,994
Ponderosa pine	219,120	8,549	102,369	330,038
Southwestern white pine	8,875	--	1,577	10,452
Subalpine fir	63	--	1,082	1,145
White fir	54,209	1,404	22,823	78,437
Softwood total	435,949	13,032	210,584	659,566
Aspen	44,017	-407	6,851	50,461
Cottonwood	-730	--	1,619	889
Hardwood total	43,287	-407	8,470	51,350
All species	479,236	12,626	219,054	710,916

Table 66--Net annual growth of sawtimber (Scribner rule) on nonreserved timberland by species and owner group, New Mexico, 1999

Species	Owner group				
	National Forest	Other public	Nonindustrial private	Total	
----- Thousand board feet -----					
Blue spruce	4,616	--	2,640	7,256	
Bristlecone pine	1,020	--	530	1,550	
Corkbark fir	4,649	--	7,351	11,999	
Douglas-fir	76,651	763	30,298	107,712	
Engelmann spruce	32,922	1,174	25,172	59,268	
Limber pine	4,347	457	998	5,802	
Ponderosa pine	186,742	7,177	89,076	282,995	
Southwestern white pine	7,636	--	1,409	9,045	
Subalpine fir	51	--	747	799	
White fir	46,105	1,218	19,334	66,657	
Softwood total	364,740	10,788	177,555	553,082	
Aspen	34,648	-302	5,505	39,851	
Cottonwood	-606	--	1,495	889	
Hardwood total	34,042	-302	7,000	40,740	
All species	398,782	10,485	184,555	593,822	

Table 67--Net annual growth of growing stock on nonreserved timberland by species and diameter class, New Mexico, 1999

Species	Diameter class (inches at breast height)										All classes		
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+
----- Thousand cubic feet -----													
Blue spruce	297	156	328	236	122	167	59	38	--	15	--	--	15
Bristlecone pine	143	75	57	50	19	63	13	12	--	19	--	--	--
Corkbark fir	2,153	1,074	477	527	296	290	-467	132	198	--	--	--	4,679
Douglas-fir	5,126	3,354	3,690	3,402	3,259	1,635	1,600	836	1,548	-80	162	289	540
Engelmann spruce	2,265	1,984	2,239	2,269	2,385	636	1,078	377	58	202	--	103	81
Limber pine	275	328	260	198	239	-119	55	--	47	85	--	21	1,390
Ponderosa pine	11,650	9,244	10,244	9,441	6,970	6,207	3,845	2,827	1,471	1,205	-42	420	568
Southwestern white pine	377	208	236	148	93	258	176	132	189	84	23	--	--
Subalpine fir	14	11	17	17	--	--	--	--	--	--	--	--	59
White fir	3,437	1,886	2,102	2,273	1,840	1,641	997	929	845	380	-527	195	324
Softwood total	25,737	18,321	19,650	18,561	15,223	10,778	7,357	5,284	4,356	1,910	-385	1,028	1,529
Aspen	4,160	3,159	1,713	970	388	686	135	62	80	--	--	--	--
Cottonwood	17	76	10	53	-58	--	28	10	93	33	-36	--	92
Hardwood total	4,177	3,235	1,722	1,023	330	686	163	72	173	33	-36	--	92
All species	29,914	21,556	21,373	19,584	15,553	11,463	7,520	5,356	4,529	1,943	-420	1,028	1,621
													141,020

Table 68--Net annual growth of sawtimber (International 1/4-inch rule) on nonreserved timberland by species and diameter class, New Mexico, 1999

Species	Diameter class (inches at breast height)									All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	
--- Thousand board feet ---										
Blue spruce	5,283	1,567	735	992	354	225	--	90	--	62
Bristlecone pine	796	283	115	385	75	71	--	119	--	--
Corkbark fir	8,906	3,470	1,803	1,686	-2,701	752	1,052	--	--	1,846
Douglas-fir	49,487	20,955	19,716	10,840	10,069	5,227	9,655	-201	1,065	14,967
Engelmann spruce	31,500	13,921	14,171	3,846	6,189	2,145	337	1,176	--	132,030
Limber pine	3,869	1,075	1,349	-560	333	--	258	534	--	74,351
Ponderosa pine	57,916	44,077	39,599	25,237	18,805	9,676	7,908	-125	2,783	6,994
Southwestern white pine	3,551	989	711	1,540	1,090	814	1,068	536	153	330,038
Subalpine fir	1,046	99	--	--	--	--	--	--	--	10,452
White fir	29,028	12,250	10,255	9,017	5,609	5,286	4,803	2,120	-2,872	1,128
Softwood total	253,748	112,526	92,931	67,345	46,255	33,324	26,850	12,281	-1,780	6,528
Aspen	(^a)	41,884	2,632	4,461	788	334	362	--	--	--
Cottonwood	(^a)	227	-322	--	108	56	448	112	-225	--
Hardwood total	(^a)	42,111	2,311	4,461	896	390	810	112	-225	--
All species	253,748	154,637	95,242	71,806	47,152	33,714	27,660	12,392	-2,005	6,528
										710,916

^aHardwoods are not considered sawtimber until they are 11 inches d.b.h.

Table 69--Net annual growth of sawtimber (Scribner rule) on nonreserved timberland by species and diameter class, New Mexico, 1999

Species	Diameter class (inches at breast height)									All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	
--- Thousand board feet ---										
Blue spruce	3,815	1,340	622	847	305	195	--	78	--	55
Bristlecone pine	611	243	102	348	69	65	--	113	--	--
Corkbark fir	6,641	2,964	1,574	1,446	-2,191	652	913	--	--	1,550
Douglas-fir	35,526	17,517	16,774	9,936	8,985	4,670	8,499	217	867	11,999
Engelmann spruce	22,857	11,594	12,006	3,370	5,336	1,857	293	1,023	--	107,712
Limber pine	2,967	920	1,194	-456	305	--	241	502	--	59,268
Ponderosa pine	91,025	50,851	39,962	36,596	23,545	17,665	9,385	7,511	42	5,802
Southwestern white pine	2,734	866	655	1,389	997	754	998	505	146	282,995
Subalpine fir	716	82	--	--	--	--	--	--	--	9,045
White fir	21,544	10,714	9,259	8,189	5,277	4,942	4,524	2,018	-2,662	1,088
Softwood total	188,436	97,091	82,147	61,664	42,629	30,800	24,852	11,967	-1,607	6,108
Aspen	(^a)	32,177	2,425	3,866	773	293	318	--	--	--
Cottonwood	(^a)	206	-241	--	97	50	405	110	-199	461
Hardwood total	(^a)	32,382	2,184	3,866	870	343	723	110	-199	40,740
All species	188,436	129,473	84,331	65,530	43,499	31,143	25,576	12,077	-1,806	9,454
										593,822

^aHardwoods are not considered sawtimber until they are 11 inches d.b.h.

Table 70--Annual mortality of growing stock on nonreserved timberland by species and owner group, New Mexico, 1999

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand cubic feet -----				
Blue spruce	93	--	122	215
Bristlecone pine	--	--	--	--
Corkbark fir	1,794	--	70	1,864
Douglas-fir	4,209	606	1,038	5,853
Engelmann spruce	469	--	415	885
Limber pine	277	--	--	277
Ponderosa pine	4,214	15	1,205	5,434
Southwestern white pine	274	--	--	274
Subalpine fir	--	--	--	--
White fir	1,892	284	338	2,515
Softwood total	13,223	905	3,188	17,317
Aspen	2,640	407	1,159	4,205
Cottonwood	189	--	--	189
Hardwood total	2,828	407	1,159	4,394
All species	16,051	1,312	4,347	21,711

Table 71--Annual mortality of sawtimber (International 1/4-inch rule) on nonreserved timberland by species and owner group, New Mexico, 1999

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand board feet -----				
Blue spruce	--	--	622	622
Bristlecone pine	--	--	--	--
Corkbark fir	7,676	--	211	7,887
Douglas-fir	19,285	2,915	2,389	24,589
Engelmann spruce	1,868	--	1,203	3,071
Limber pine	1,385	--	--	1,385
Ponderosa pine	20,412	--	4,795	25,207
Southwestern white pine	1,097	--	--	1,097
Subalpine fir	--	--	--	--
White fir	7,283	1,327	1,181	9,790
Softwood total	59,006	4,241	10,401	73,648
Aspen	8,126	670	1,689	10,486
Cottonwood	930	--	--	930
Hardwood total	9,056	670	1,689	11,416
All species	68,062	4,911	12,090	85,063

Table 72-Annual mortality of sawtimber (Scribner rule) on nonreserved timberland by species and owner group, New Mexico, 1999

Species	Owner group				Total
	National Forest	Other public	Nonindustrial private	Thousand board feet	
<hr/>					
Blue spruce	--	--	--	473	473
Bristlecone pine	--	--	--	--	--
Corkbark fir	6,023	--	--	144	6,167
Douglas-fir	15,822	2,512	1,896	20,230	
Engelmann spruce	1,523	--	929	2,452	
Limber pine	1,195	--	--	1,195	
Ponderosa pine	17,913	--	4,178	22,091	
Southwestern white pine	890	--	--	890	
Subalpine fir	--	--	--	--	
White fir	6,274	1,150	921	8,345	
Softwood total	49,641	3,662	8,541	61,844	
Aspen	6,442	523	1,322	8,287	
Cottonwood	792	--	--	792	
Hardwood total	7,233	523	1,322	9,078	
All species	56,874	4,186	9,863	70,922	

Table 73-Annual mortality of growing stock on nonreserved timberland by species and diameter class, New Mexico, 1999

Species	Diameter class (inches at breast height)										All classes			
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	12.0-14.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+ classes
<hr/>														
Blue spruce	--	93	--	122	--	--	--	--	--	--	--	--	--	
Bristlecone pine	--	--	--	--	--	--	--	--	--	--	--	--	--	
Corkbark fir	178	151	476	260	147	--	653	--	--	--	--	--	--	
Douglas-fir	496	806	388	651	--	1,163	455	420	--	1,077	280	118	--	
Engelmann spruce	122	204	--	231	--	329	--	--	--	--	--	--	885	
Limber pine	19	--	--	--	259	--	--	--	--	--	--	--	277	
Ponderosa pine	408	506	439	561	513	460	372	160	1,010	--	863	141	5,434	
Southwestern white pine	--	16	59	73	126	--	--	--	--	--	--	--	274	
Subalpine fir	--	--	--	--	--	--	--	--	--	--	--	--	--	
White fir	153	330	431	377	328	--	259	--	--	--	638	--	2,515	
Softwood total	1,375	2,105	1,793	2,274	1,113	2,211	1,739	580	1,010	1,077	1,781	259	17,317	
Aspen	779	659	980	956	520	--	312	--	--	--	--	--	4,205	
Cottonwood	--	19	--	--	112	--	--	--	--	--	58	--	189	
Hardwood total	779	678	980	956	632	--	312	--	--	--	58	--	4,394	
All species	2,154	2,783	2,773	3,230	1,745	2,211	2,051	580	1,010	1,077	1,838	259	--	21,711

Table 74--Annual mortality of sawtimber (International 1/4-inch rule) on nonreserved timberland by species and diameter class, New Mexico, 1999

Species	Diameter class (inches at breast height)									All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	
- Thousand board feet -										
Blue spruce	--	622	--	--	--	--	--	--	--	--
Bristlecone pine	--	--	--	--	--	--	--	--	--	622
Corkbark fir	2,032	1,301	801	--	3,753	--	--	--	--	--
Douglas-fir	1,406	2,865	--	6,266	2,599	2,451	--	6,539	1,730	7,887
Engelmann spruce	--	1,203	--	1,868	--	--	--	--	733	24,589
Limber pine	--	--	--	1,385	--	--	--	--	--	3,071
Ponderosa pine	1,553	2,628	2,540	2,665	2,128	943	6,273	--	5,557	1,385
Southwestern white pine	204	289	605	--	--	--	--	--	--	25,207
Subalpine fir	--	--	--	--	--	--	--	--	--	1,097
White fir	--	1,701	1,696	1,544	--	1,327	--	--	--	--
Softwood total	6,896	10,604	5,490	12,184	9,806	3,394	6,273	6,539	10,809	1,653
Aspen	(^a)	5,350	3,152	--	1,984	--	--	--	--	--
Cottonwood	(^a)	--	604	--	--	--	--	--	326	--
Hardwood total	(^a)	5,350	3,756	--	1,984	--	--	--	326	--
All species	6,896	15,954	9,246	12,184	11,790	3,394	6,273	6,539	11,135	1,653
										85,063

^aHardwoods are not considered sawtimber until they are 11 inches d.b.h.

Table 75--Annual mortality of sawtimber (Scribner rule) on nonreserved timberland by species and diameter class, New Mexico, 1999

Species	Diameter class (inches at breast height)									All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	
- Thousand board feet -										
Blue spruce	--	473	--	--	--	--	--	--	--	--
Bristlecone pine	--	--	--	--	--	--	--	--	--	--
Corkbark fir	1,453	985	632	--	3,098	--	--	--	--	6,167
Douglas-fir	1,009	2,183	--	5,009	2,150	2,154	--	5,463	1,585	20,230
Engelmann spruce	--	929	--	1,523	--	--	--	--	--	2,452
Limber pine	--	--	--	1,195	--	--	--	--	--	1,195
Ponderosa pine	1,156	2,096	2,128	2,258	1,901	854	5,700	--	5,142	856
Southwestern white pine	157	229	504	--	--	--	--	--	--	22,091
Subalpine fir	--	--	--	--	--	--	--	--	--	890
White fir	1,279	1,355	1,280	--	1,150	--	--	--	3,280	--
Softwood total	5,054	8,251	4,545	9,985	8,299	3,008	5,700	5,463	10,007	1,532
Aspen	(^a)	4,113	2,529	--	1,645	--	--	--	--	61,844
Cottonwood	(^a)	--	496	--	--	--	--	--	295	--
Hardwood total	(^a)	4,113	3,025	--	1,645	--	--	--	295	--
All species	5,054	12,364	7,570	9,985	9,944	3,008	5,700	5,463	10,302	1,532
										70,922

^aHardwoods are not considered sawtimber until they are 11 inches d.b.h.

Table 76--Annual mortality of growing stock on nonreserved timberland by species and cause of death, New Mexico, 1999

Species	Cause of death							Total
	Insects	Disease	Fire	Animal	Weather	Suppression	Unknown	
----- Thousand cubic feet -----								
Blue spruce	64	29	--	--	122	--	--	215
Bristlecone pine	--	--	--	--	--	--	--	--
Corkbark fir	1,219	530	--	--	33	76	7	1,864
Douglas-fir	1,572	2,470	109	--	459	153	1,090	5,853
Engelmann spruce	22	155	--	--	606	19	82	885
Limber pine	259	--	19	--	--	--	--	277
Ponderosa pine	2,792	1,156	499	--	883	28	75	5,434
Southwestern white pine	258	--	--	--	--	16	--	274
Subalpine fir	--	--	--	--	--	--	--	--
White fir	1,185	572	58	--	246	200	254	2,515
Softwood total	7,372	4,910	685	--	2,349	492	1,509	17,317
Aspen	25	3,315	7	77	381	43	358	4,205
Cottonwood	58	--	--	--	--	131	--	189
Hardwood total	83	3,315	7	77	381	174	358	4,394
All species	7,455	8,225	692	77	2,730	666	1,866	21,711

Table 77--Annual mortality of sawtimber (International 1/4-inch rule) on nonreserved timberland by species and cause of death, New Mexico, 1999

Species	Cause of death						Total
	Insects	Disease	Fire	Weather	Suppression	Unknown	
----- Thousand board feet -----							
Blue spruce	--	--	--	622	--	--	622
Bristlecone pine	--	--	--	--	--	--	--
Corkbark fir	5,846	2,041	--	--	--	--	7,887
Douglas-fir	7,839	8,028	--	2,183	--	6,539	24,589
Engelmann spruce	--	--	--	2,685	--	386	3,071
Limber pine	1,385	--	--	--	--	--	1,385
Ponderosa pine	14,074	4,964	1,356	4,813	--	--	25,207
Southwestern white pine	1,097	--	--	--	--	--	1,097
Subalpine fir	--	--	--	--	--	--	--
White fir	5,397	2,129	145	924	236	961	9,790
Softwood total	35,638	17,162	1,501	11,226	236	7,886	73,648
Aspen	--	9,601	--	885	--	--	10,486
Cottonwood	326	--	--	--	604	--	930
Hardwood total	326	9,601	--	885	604	--	11,416
All species	35,963	26,763	1,501	12,111	840	7,886	85,063

Table 78--Annual mortality of sawtimber (Scribner rule) on nonreserved timberland by species and cause of death, New Mexico, 1999

Species	Cause of death						Total
	Insects	Disease	Fire	Weather	Suppression	Unknown	
----- Thousand board feet -----							
Blue spruce	--	--	--	473	--	--	473
Bristlecone pine	--	--	--	--	--	--	--
Corkbark fir	4,658	1,509	--	--	--	--	6,167
Douglas-fir	6,426	6,481	--	1,860	--	5,463	20,230
Engelmann spruce	--	--	--	2,162	--	290	2,452
Limber pine	1,195	--	--	--	--	--	1,195
Ponderosa pine	12,508	4,163	1,064	4,356	--	--	22,091
Southwestern white pine	890	--	--	--	--	--	890
Subalpine fir	--	--	--	--	--	--	--
White fir	4,816	1,766	120	701	176	765	8,345
Softwood total	30,494	13,919	1,184	9,553	176	6,519	61,844
Aspen	--	7,616	--	670	--	--	8,287
Cottonwood	295	--	--	--	496	--	792
Hardwood total	295	7,616	--	670	496	--	9,078
All species	30,789	21,536	1,184	10,223	672	6,519	70,922

Table 79--Removals from nonreserved timberland by species and product, New Mexico, 1999

Species	Product					All products
	Sawlogs	Pulpwood	Other products ^a	Fuelwood	Logging residue	
----- Thousand cubic feet -----						
Ponderosa pine	9,803	277	1,443	250	509	12,281
Douglas-fir	4,787	--	174	8	215	5,184
Spruce	1,032	--	320	2	58	1,412
True firs	2,223	--	55	3	99	2,380
Other species	13	--	26	3	2	44
Total species	17,858	277	2,018	267	882	21,301
----- Thousand board feet, International 1/4-inch rule -----						
Ponderosa pine	55,542	1,238	7,263	855	1,214	66,112
Douglas-fir	27,122	--	876	29	524	28,550
Spruce	5,846	--	1,610	6	140	7,601
True firs	12,592	--	278	11	241	13,123
Other species	75	--	30	11	2	118
Total species	101,177	1,238	10,056	912	2,120	115,504
----- Thousand board feet, Scribner rule -----						
Ponderosa pine	48,721	1,086	6,371	750	1,065	57,993
Douglas-fir	23,791	--	768	25	460	25,044
Spruce	5,128	--	1,412	5	122	6,667
True firs	11,046	--	244	10	211	11,511
Other species	66	--	26	10	2	104
Total species	88,752	1,086	8,821	800	1,860	101,319

^aOther products includes vigas, house logs, and posts and poles.

Table 80--Removals from nonreserved timberland by species and owner group, New Mexico, 1999.

Species	Owner group		
	National Forest	Total other owners ^a	All owners
----- Thousand cubic feet -----			
Ponderosa pine	2,394	9,887	12,281
Douglas-fir	499	4,685	5,184
Spruce	295	1,117	1,412
True firs	207	2,173	2,380
Other species	31	14	44
Total species	3,425	17,876	21,301
-- Thousand board feet, International 1/4-inch rule --			
Ponderosa pine	12,120	53,992	66,112
Douglas-fir	2,652	25,897	28,550
Spruce	1,541	6,060	7,601
True firs	1,082	12,041	13,123
Other species	42	77	118
Total species	17,437	98,066	115,504
----- Thousand board feet, Scribner rule -----			
Ponderosa pine	10,631	47,361	57,993
Douglas-fir	2,327	22,717	25,044
Spruce	1,352	5,316	6,667
True firs	949	10,562	11,511
Other species	37	67	104
Total species	15,296	86,023	101,319

^aOther owners include tribal, nonindustrial private, and other public lands.

Table 81--Removals from nonreserved timberland by product type and owner group, New Mexico, 1999.

Product	Owner group		
	National Forest	Total other owners	All owners
----- Thousand cubic feet -----			
Sawlogs	1,622	16,236	17,858
Pulpwood	277	--	277
Other products ^a	1,119	899	2,018
Total products	3,018	17,135	20,152
Fuelwood	267	--	267
Logging residue	142	740	882
Total removals	3,426	17,875	21,301
-- Thousand board feet, International 1/4-inch rule --			
Sawlogs	9,187	91,990	101,177
Pulpwood	1,238	--	1,238
Other products ^a	5,780	4,276	10,056
Total products	16,205	96,266	112,471
Fuelwood	912	--	912
Logging residue	320	1,800	2,120
Total removals	17,437	98,066	115,504
----- Thousand board feet, Scribner rule -----			
Sawlogs	8,059	80,693	88,752
Pulpwood	1,086	--	1,086
Other products ^a	5,070	3,751	8,821
Total products	14,215	84,444	98,659
Fuelwood	800	--	800
Logging residue	281	1,579	1,860
Total removals	15,296	86,023	101,319

^aOther products includes vigas, house logs, and posts and poles.

Nonreserved Woodland

Table 82—Area of nonreserved woodland by forest type and owner group, New Mexico, 2000

Forest type	Owner group					Total
	National Forest	Other public	Nonindustrial private	All		
Deciduous woodland oak	275,864	36,438	347,153	659,454		
Evergreen oak	201,766	12,213	51,298	265,277		
Juniper	303,962	222,434	520,963	1,047,359		
Mesquite	14,363	--	6,692	21,056		
Misc. western hardwoods	5,963	--	10,690	16,653		
Pinyon-juniper	3,088,596	1,411,807	3,883,513	8,383,916		
Nonstocked woodland	166,768	--	12,743	179,512		
All types	4,057,282	1,682,891	4,833,053	10,573,227		

Table 83—Number of live trees on nonreserved woodland by species and diameter class, New Mexico, 2000

Species	Diameter class (inches)									All classes						
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	21.0-20.9	23.0-22.9	25.0-26.9	27.0-28.9	29.0+		
<i>Thousands trees</i>																
Alligator juniper ^a	62,607	29,144	22,229	18,447	11,680	7,572	6,155	4,570	3,506	2,007	1,651	1,469	629	551	1,158	173,376
Apache pine	402	--	119	173	--	119	--	--	--	--	--	--	--	--	--	812
Border pinyon ^a	5,065	445	792	772	429	491	61	41	--	--	--	--	--	--	--	8,097
Chihuahua pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14
Douglas-fir	6,857	4,008	2,563	1,900	1,296	977	738	249	191	76	87	39	37	--	8	19,026
Mexican pinyon pine ^a	--	--	456	249	41	41	83	--	--	--	--	--	--	--	--	913
Oneseed juniper ^a	141,922	77,956	78,492	68,631	58,518	46,375	36,505	25,916	17,181	10,372	6,844	4,082	2,988	2,016	2,152	579,952
Ponderosa pine	18,693	12,898	11,654	9,705	8,119	4,979	3,333	2,366	1,236	776	347	389	156	41	54	74,746
Rocky Mountain juniper ^a	43,561	21,440	18,467	13,057	8,851	4,754	3,840	2,881	1,759	1,143	723	432	76	164	118	121,267
Singleleaf pinyon ^a	--	--	36	--	--	--	--	--	--	--	--	--	--	--	--	36
Southwestern white pine	--	458	110	42	36	57	--	--	--	--	--	--	--	--	--	703
Twoneedle pinyon ^a	540,352	336,819	239,997	140,148	74,850	38,209	17,859	9,681	4,522	2,434	527	305	220	131	131	1,406,122
Utah juniper ^a	17,138	12,937	7,984	6,288	4,848	5,048	4,308	3,569	2,662	1,903	883	1,143	392	101	509	69,711
White fir	2,451	440	278	357	320	113	108	--	108	--	39	--	--	--	--	4,214
Softwood total	839,048	496,546	383,177	259,770	168,988	108,735	72,907	49,356	31,163	18,767	11,101	7,860	4,498	3,004	4,069	2,458,988
Arizona white oak ^a	145,900	28,059	17,115	7,844	6,131	3,313	1,496	1,103	371	195	122	24	120	--	--	211,792
Aspen	--	440	--	--	--	--	--	--	--	--	--	--	--	--	--	440
Bigtooth maple ^a	3,680	--	185	74	37	--	--	--	--	--	--	--	--	--	--	3,976
Chinkapin oak	--	--	74	74	37	--	--	--	--	--	--	--	--	--	--	185
Cottonwood	409	409	136	54	--	27	27	--	--	--	--	--	--	--	--	1,062
Emory oak ^a	18,667	4,545	1,798	477	415	498	254	36	95	--	--	--	75	--	82	26,943
Gambel oak ^a	871,409	197,136	40,346	9,853	3,030	1,304	453	241	228	226	12	11	10	9	6	1,124,276
Mesquite ^a	1,130	--	--	--	75	--	--	--	--	--	--	--	--	--	--	1,205
Mexican blue oak ^a	--	--	41	41	41	124	83	41	--	--	--	--	--	--	--	332
New Mexico locust ^a	8,990	1,755	37	--	--	--	--	--	--	122	--	--	--	--	--	10,904
Oak--evergreen ^a	23,533	6,452	2,224	1,542	1,248	895	1,042	352	156	149	177	59	34	57	116	38,037
Silverleaf oak ^a	37,976	7,241	2,583	293	141	185	34	24	--	--	--	--	--	--	--	48,475
Velvet mesquite ^a	--	--	83	124	41	--	--	--	--	--	--	--	--	--	--	249
W. honey mesquite ^a	3,788	--	41	41	124	41	--	--	--	--	--	--	--	--	--	4,078
Hardwood total	1,115,481	246,037	64,622	20,418	11,321	6,388	3,430	1,798	851	693	312	94	240	66	204	1,471,954
All species	1,954,528	742,583	447,798	280,188	180,310	115,123	76,337	51,153	32,014	19,459	11,414	7,954	4,738	3,070	4,273	3,930,941

^aDiameter taken at root collar rather than at breast height.

Table 84—Net volume of all live trees on nonreserved woodland by forest type and owner group, New Mexico, 2000

Forest type	Owner group					Total
	National Forest	Other public	Nonindustrial private	Total		
----- Thousand cubic feet -----						
Deciduous woodland oak	143,968	15,712	172,894	332,574		
Evergreen oak	57,821	6,032	28,277	92,129		
Juniper	81,419	95,849	159,441	336,708		
Mesquite	817	--	339	1,156		
Misc. western hardwoods	405	--	343	748		
Pinyon-Juniper	2,217,364	667,608	2,116,137	5,001,109		
Nonstocked woodland	5,047	--	517	5,564		
All types	2,506,840	785,201	2,477,948	5,769,989		

Table 85—Net volume of all live trees on nonreserved woodland by species and diameter class, New Mexico, 2000

Species	Diameter class (inches)							All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	19.0- 20.9	
----- Thousand cubic feet -----								
Alligator Juniper ^a	18,466	31,445	37,766	40,466	48,025	52,859	54,940	40,347
Apache pine	218	632	--	1,204	--	--	--	--
Border pinyon ^a	1,104	2,342	2,659	5,603	781	517	--	--
Chihuahua pine	--	--	--	--	--	--	--	--
Douglas-fir	4,354	7,207	9,251	10,426	11,796	5,173	5,272	4,093
Mexican pinyon pine ^a	471	854	202	413	--	1,472	--	1,411
One-seed juniper ^a	59,635	104,837	149,936	186,793	211,543	205,782	175,456	130,531
Ponderosa pine	16,190	33,787	53,353	51,960	54,241	53,824	39,770	33,317
Rocky Mountain juniper ^a	16,704	24,708	29,339	26,440	32,561	33,387	27,923	22,357
Singleleaf pinyon ^a	41	--	--	--	--	--	--	--
Southwestern white pine	252	93	166	350	--	--	--	--
Twonettle pinyon ^a	337,184	450,742	463,607	382,911	266,042	189,848	111,750	75,662
Utah juniper ^a	6,339	10,170	13,457	22,334	27,551	28,938	29,668	25,224
White fir	334	1,099	2,197	1,580	2,534	--	3,469	2,394
Softwood total	461,351	667,916	761,933	730,509	655,074	571,799	448,248	333,498
Arizona white oak ^a	8,667	9,023	13,539	12,412	8,791	9,095	3,469	2,266
Aspen	--	--	--	--	--	--	--	--
Bigoooth maple ^a	195	176	155	--	--	--	--	--
Chinkapin oak	59	197	106	--	--	--	--	--
Cottonwood	174	190	--	277	400	--	--	--
Emory oak ^a	1,104	850	877	2,583	3,060	167	1,125	--
Gambel oak ^a	55,356	30,578	17,725	13,537	8,281	3,498	4,685	7,560
Mesquite ^a	--	--	105	59	599	489	605	--
Mexican blue oak ^a	--	--	--	--	--	--	--	--
New Mexico locust ^a	57	--	--	--	--	--	2,991	--
Oak-evergreen ^a	1,349	2,381	2,555	3,681	6,551	2,329	1,599	1,759
Silverleaf oak ^a	1,836	402	446	1,078	--	281	295	--
Velvet mesquite ^a	52	283	120	--	--	--	--	--
W. honey mesquite ^a	24	48	269	165	194	--	--	--
Hardwood total	68,875	44,233	36,021	34,332	28,046	15,988	10,878	14,576
All species	530,225	712,149	797,954	764,841	683,120	587,787	459,126	348,074

^aDiameter taken at root collar rather than at breast height.

Table 86--Net annual growth of all live trees on nonreserved woodland by forest type and owner group, New Mexico, 1999

Forest type	Owner group					Total
	National Forest	Other public	Nonindustrial private	Total	Thousand cubic feet	
Deciduous woodland oak	-903	-2,061	4,388	1,424	--	--
Evergreen oak	1,110	58	255	1,424	--	--
Juniper	741	801	1,987	3,529	--	--
Mesquite	8	--	2	10	--	--
Misc. western hardwoods	25	--	41	65	--	--
Pinyon-juniper	31,322	8,349	29,120	68,791	--	--
Nonstocked woodland	79	--	3	83	--	--
All types	32,382	7,148	35,796	75,326	--	--

Table 87--Net annual growth of all live trees on nonreserved woodland by species and diameter class, New Mexico, 1999

Species	Diameter class (inches)										All classes		
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-22.9	23.0-24.9	25.0-26.9	27.0-28.9	29.0+
Alligator juniper ^a	879	470	468	353	427	423	363	165	150	153	84	38	203
Apache pine	19	32	--	51	--	--	--	--	--	--	--	--	4,176
Border pinyon ^a	76	43	43	60	6	5	--	--	--	--	--	--	103
Chihuahua pine	--	--	--	--	--	--	--	5	--	--	--	--	232
Douglas-fir	211	134	-132	115	152	-156	-267	-178	50	-676	31	--	5
Mexican pinyon pine ^a	5	7	2	2	--	8	--	4	--	--	--	--	--
Oneseed Juniper ^a	3,017	1,353	1,659	1,787	1,636	1,406	960	569	513	330	299	224	28
Ponde rosa pine	1,121	932	1,474	340	654	274	-78	476	179	-194	49	252	14,005
Rocky Mountain juniper ^a	780	333	312	318	328	189	153	121	79	61	16	39	5,374
Singleleaf pinyon ^a	(%)	--	--	--	--	--	--	--	--	--	--	--	716
Southwestern white pine	8	4	2	9	--	--	--	--	--	--	--	--	--
Twoneedle pinyon ^a	20,856	7,186	5,599	3,160	1,788	1,032	578	347	65	43	55	25	23
Utah juniper ^a	339	149	141	129	194	173	44	114	70	107	61	10	37
White fir	18	76	91	54	51	--	96	--	51	--	--	--	22
Softwood total	27,320	10,719	9,658	6,378	5,237	3,354	1,850	1,622	1,158	-176	654	358	68,724
Arizona white oak ^a	411	125	148	178	100	83	15	9	7	1	10	--	1,087
Aspen	--	--	--	--	--	--	--	--	--	--	--	--	--
Bigtooth maple ^a	4	4	2	--	--	--	--	--	--	--	--	--	10
Chinkapin oak	2	4	2	--	--	--	--	--	--	--	--	--	8
Cottonwood	38	-10	--	12	15	--	--	--	--	--	--	--	55
Emory oak ^a	13	11	10	25	31	2	4	--	--	4	121	121	222
Gambel oak ^a	4,049	305	152	102	49	23	16	47	2	2	1	1	4,750
Mesquite ^a	--	--	1	--	--	--	--	--	--	--	--	--	1
Mexican blue oak ^a	--	1	(%)	5	4	3	--	--	--	--	--	--	13
New Mexico locust ^a	--	--	--	--	--	--	--	9	--	--	--	--	9
Oak-evergreen ^a	75	43	34	51	68	29	14	5	19	12	1	3	20
Silverleaf oak ^a	43	3	3	6	1	1	--	--	--	--	--	--	58
Velvet mesquite ^a	1	4	2	--	--	--	--	--	--	--	--	--	6
W. honey mesquite ^a	(%)	3	2	2	--	--	--	--	--	--	--	--	7
Hardwood total	4,636	491	358	380	270	141	49	71	28	15	16	4	143
All species	31,966	11,210	10,015	6,759	5,507	3,494	1,899	1,693	1,186	-161	670	362	726
													6,601

^aDiameter taken at root collar rather than at breast height.

^bLess than 500 cubic feet.

Table 88--Annual mortality of all trees on nonreserved woodland by forest type and owner group, New Mexico, 1999

Forest type	Owner group				
	National Forest	Other public	Nonindustrial private	Total	
----- Thousand cubic feet -----					
Deciduous woodland oak	4,486	2,517	851	7,854	
Evergreen oak	172	--	--	172	
Juniper	14	--	8	23	
Pinyon-juniper	1,748	93	497	2,338	
All types	6,421	2,610	1,356	10,387	

Table 89--Annual mortality of all trees on nonreserved woodland by species and diameter class, New Mexico, 1999

Species	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+ classes	All
	Diameter class (inches) ----- Thousand cubic feet -----													
Alligator juniper ^a	--	--	63	73	--	--	--	--	--	--	--	--	--	136
Apache pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Border pinyon ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chihuahua pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Douglas-fir	277	236	490	223	123	301	324	255	--	--	684	--	--	2,913
Mexican pinyon pine ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oneseed juniper ^a	6	14	--	20	--	--	--	--	98	--	--	--	--	138
Ponderosa pine	462	520	372	1,035	528	732	678	--	--	625	--	--	--	4,952
Rocky Mountain juniper ^a	19	46	88	--	--	79	--	--	--	--	--	--	--	231
Singleleaf pinyon ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Southwestern white pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Twoneedle pinyon ^a	280	420	361	380	57	191	--	--	--	--	--	--	--	1,690
Utah juniper ^a	--	--	--	68	--	--	121	--	--	--	--	--	--	189
White fir	6	--	--	--	--	--	--	--	--	--	--	--	--	6
Softwood total	1,049	1,236	1,375	1,799	708	1,303	1,124	353	--	1,309	--	--	--	10,255
Arizona white oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aspen	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bigtooth maple ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chinkapin oak	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cottonwood	--	29	--	--	--	--	--	--	--	--	--	--	--	29
Emory oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gambel oak ^a	60	41	1	--	--	--	--	--	--	--	--	--	--	102
Mesquite ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mexican blue oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
New Mexico locust ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oak--evergreen ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silverleaf oak ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Velvet mesquite ^a	--	60	41	1	--	--	--	--	--	--	--	--	--	102
W. honey mesquite ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hardwood total	60	70	1	--	--	--	--	--	--	--	--	--	--	131
All species	1,108	1,306	1,376	1,799	708	1,303	1,124	353	--	1,309	--	--	--	10,387

^aDiameter taken at root collar rather than at breast height.

Core Tables

Table 90--Area by county and land class, New Mexico, 2000

County	Forest land					
	Timberland ^a	Reserved timberland	Other forest land ^b	Nonforest	Water	Total
Acres						
Bernalillo	8,101	7,575	121,326	639,747	6,648	783,398
Catron	640,932	181,232	1,627,008	1,969,331	6,867	4,425,369
Chaves	--	--	39,964	3,855,781	12,470	3,908,215
Cibola	264,529	73,607	921,369	1,578,850	--	2,838,356
Colfax	510,147	--	280,982	1,571,351	--	2,362,480
Curry	--	--	--	899,878	--	899,878
DeBaca	--	--	--	1,483,282	--	1,483,282
Dona Ana	--	--	10,736	2,427,060	--	2,437,797
Eddy	--	--	117,705	2,540,733	--	2,658,438
Grant	75,962	72,286	757,716	1,629,552	--	2,535,516
Guadalupe	--	--	140,453	1,814,012	9,135	1,963,600
Harding	--	--	67,287	1,371,264	--	1,438,551
Hidalgo	--	--	82,006	2,130,978	--	2,212,984
Lea	--	--	--	2,811,693	12,470	2,824,163
Lincoln	51,077	44,829	521,666	2,474,556	--	3,092,128
Los Alamos	28,784	11,394	16,125	11,198	--	67,501
Luna	--	--	--	1,896,820	--	1,896,820
McKinley	128,828	--	990,300	2,426,102	--	3,545,229
Mora	210,940	53,703	126,504	827,344	--	1,218,491
Otero	312,583	--	553,877	3,388,885	--	4,255,344
Quay	--	--	--	1,790,648	--	1,790,648
Rio Arriba	790,827	81,486	1,383,212	1,494,646	26,592	3,776,763
Roosevelt	--	--	--	1,565,977	--	1,565,977
Sandoval	294,371	16,397	440,654	1,618,911	--	2,370,333
San Juan	68,671	--	418,138	2,983,130	27,378	3,497,317
San Miguel	227,244	58,648	626,357	2,020,476	18,270	2,950,996
Santa Fe	68,314	65,310	364,480	698,962	--	1,197,066
Sierra	76,322	84,903	281,443	2,241,638	43,732	2,728,038
Socorro	109,042	27,608	760,875	3,352,031	--	4,249,557
Taos	429,065	79,766	257,812	670,816	--	1,437,459
Torrance	50,809	7,375	419,765	1,678,693	--	2,156,642
Union	--	--	101,963	2,425,288	--	2,527,251
Valencia	12,345	--	27,095	687,839	--	727,280
Total	4,358,894	866,120	11,456,820	60,977,473	163,561	77,822,867

^aIncludes nonreserved forest land with productivity classes 20 and greater.

^bIncludes both reserved and nonreserved forest land with productivity less than 20.

Table 91--Area of reserved timberland and other forest land by forest type, New Mexico, 2000

Forest type	Forest land		
	Reserved timberland	Other forest land	Total
----- Acres -----			
Aspen	56,007	--	56,007
Blue spruce	7,685	--	7,685
Bristlecone pine	5,893	--	5,893
Cottonwood	--	--	--
Deciduous woodland oak	--	772,111	772,111
Douglas-fir	161,328	11,553	172,881
Engelmann spruce	70,672	--	70,672
Evergreen oak	--	343,505	343,505
Juniper	--	1,078,978	1,078,978
Limber pine	--	--	--
Mesquite	--	31,582	31,582
Misc. western hardwoods	--	27,298	27,298
Other western softwoods	--	--	--
Pinyon-juniper	--	8,858,382	8,858,382
Ponderosa pine	354,690	49,437	404,127
Spruce-fir	110,736	--	110,736
White fir	78,827	--	78,827
Nonstocked timberland	20,281	--	20,281
Nonstocked woodland	--	283,973	283,973
All types	866,120	11,456,820	12,322,940

Table 92--Area of nonreserved productive timberland (20+) by county and ownership class, New Mexico, 2000

County	Ownership class							
	National Forest	Bureau of Land Management	Miscellaneous Federal	State	County and municipal	Indian Trust	Other private	
----- Acres -----								
Bernalillo	8,101	--	--	--	--	--	--	8,101
Catron	628,556	5,543	--	--	--	--	6,833	640,932
Chaves	--	--	--	--	--	--	--	--
Cibola	170,278	6,589	--	--	--	18,571	69,091	264,529
Colfax	70,061	--	--	91,866	--	--	348,220	510,147
Curry	--	--	--	--	--	--	--	--
DeBaca	--	--	--	--	--	--	--	--
Dona Ana	--	--	--	--	--	--	--	--
Eddy	--	--	--	--	--	--	--	--
Grant	71,196	4,766	--	--	--	--	--	75,962
Guadalupe	--	--	--	--	--	--	--	--
Harding	--	--	--	--	--	--	--	--
Hidalgo	--	--	--	--	--	--	--	--
Lea	--	--	--	--	--	--	--	--
Lincoln	38,700	--	--	--	--	--	12,377	51,077
Los Alamos	28,784	--	--	--	--	--	--	28,784
Luna	--	--	--	--	--	--	--	--
McKinley	62,531	5,268	--	--	--	36,853	24,175	128,828
Mora	21,610	--	--	7,890	--	--	181,440	210,940
Otero	158,306	--	--	--	--	140,954	13,323	312,583
Quay	--	--	--	--	--	--	--	--
Rio Arriba	574,935	--	--	13,214	--	77,181	125,496	790,827
Roosevelt	--	--	--	--	--	--	--	--
Sandoval	223,421	--	--	--	--	21,134	49,816	294,371
San Juan	--	--	--	--	--	68,671	--	68,671
San Miguel	137,587	--	--	--	--	--	89,657	227,244
Santa Fe	68,314	--	--	--	--	--	--	68,314
Sierra	76,322	--	--	--	--	--	--	76,322
Socorro	91,680	--	--	--	--	--	17,362	109,042
Taos	324,526	4,801	--	6,484	--	11,331	81,924	429,065
Torrance	46,772	--	--	--	--	4,037	--	50,809
Union	--	--	--	--	--	--	--	--
Valencia	--	--	--	--	--	--	12,345	12,345
Total	2,801,683	26,967	--	119,454	--	378,732	1,032,058	4,358,894

Table 93--Area of nonreserved productive timberland (20+) by forest type and owner group, New Mexico, 2000

Forest type	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Acres -----				
Aspen	213,866	6,731	88,516	309,113
Blue spruce	29,018	--	11,707	40,725
Bristlecone pine	6,130	--	18,795	24,925
Cottonwood	13,907	--	18,273	32,179
Deciduous woodland oak	--	--	--	--
Douglas-fir	469,149	39,450	236,525	745,124
Engelmann spruce	55,491	6,484	55,316	117,291
Evergreen oak	--	--	--	--
Juniper	--	--	--	--
Limber pine	24,674	--	4,538	29,213
Mesquite	--	--	--	--
Misc. western hardwoods	--	--	--	--
Other western softwoods	15,724	--	--	15,724
Pinyon-juniper	--	--	--	--
Ponderosa pine	1,557,226	77,977	765,226	2,400,428
Spruce-fir	92,421	--	82,723	175,144
White fir	245,402	15,780	110,101	371,283
Nonstocked timberland	78,676	--	19,070	97,746
Nonstocked woodland	--	--	--	--
All types	2,801,683	146,421	1,410,790	4,358,894

Table 94--Area of nonreserved productive timberland (20+) by owner group and stand-size class, New Mexico, 2000

Owner group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling/seedling	Nonstocked	
----- Acres -----					
National Forest	2,246,022	372,198	104,787	78,676	2,801,683
Other public	117,483	28,938	--	--	146,421
Nonindustrial private	1,056,366	268,300	67,054	19,070	1,410,790
Total	3,419,870	669,436	171,841	97,746	4,358,894

Table 95--Area of nonreserved productive timberland (20+) by owner group and productivity class, New Mexico, 2000

Owner group	Productivity class			Total
	85-119	50-84	20-49	
----- Acres -----				
National Forest	34,642	866,293	1,900,748	2,801,683
Other public	--	14,374	132,047	146,421
Nonindustrial private	--	372,315	1,038,475	1,410,790
Total	34,642	1,252,982	3,071,270	4,358,894

Table 96--Area of nonreserved productive timberland (20+) by forest type and stand-size class, New Mexico, 2000

Forest type	Stand-size class				Total
	Sawtimber	Poletimber	Sapling/ seedling	Nonstocked	
----- Acres -----					
Aspen	85,929	187,574	35,610	--	309,113
Blue spruce	34,400	6,325	--	--	40,725
Bristlecone pine	18,795	6,130	--	--	24,925
Cottonwood	26,129	6,050	--	--	32,179
Deciduous woodland oak	--	--	--	--	--
Douglas-fir	590,478	133,079	21,567	--	745,124
Engelmann spruce	87,406	21,478	8,406	--	117,291
Evergreen oak	--	--	--	--	--
Juniper	--	--	--	--	--
Limber pine	29,213	--	--	--	29,213
Mesquite	--	--	--	--	--
Misc. western hardwoods	--	--	--	--	--
Other western softwoods	15,724	--	--	--	15,724
Pinyon-juniper	--	--	--	--	--
Ponderosa pine	2,083,453	223,172	93,803	--	2,400,428
Spruce-fir	122,274	46,740	6,130	--	175,144
White fir	326,069	38,889	6,325	--	371,283
Nonstocked timberland	--	--	--	97,746	97,746
Nonstocked woodland	--	--	--	--	--
All types	3,419,870	669,436	171,841	97,746	4,358,894

Table 97--Number of live trees on nonreserved productive timberland (20+) by species and diameter class, New Mexico, 2000

Species	1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	10.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	28.0+ 29.0+	All classes
	Diameter class (inches)															
----- Thousand trees -----																
Alligator juniper ^a	12,551	6,059	3,609	1,655	855	608	433	400	307	174	173	114	27	134	215	27,312
Blue spruce	10,734	3,017	2,725	1,346	1,345	903	377	190	73	42	--	38	--	--	35	20,825
Bristlecone pine	--	1,414	1,066	992	583	409	146	273	72	37	--	55	--	--	--	5,046
Corkbark fir	69,821	31,992	12,817	7,263	3,861	2,457	1,070	671	261	210	117	--	--	--	--	130,540
Douglas-fir	84,137	65,142	44,752	31,099	20,222	13,883	8,634	5,683	3,817	1,919	2,033	1,052	440	366	440	283,618
Engelmann spruce	48,649	29,263	17,312	12,796	8,576	6,090	4,574	1,712	1,518	495	67	148	--	75	107	131,380
Limber pine	6,013	3,040	3,623	2,353	1,707	1,021	775	219	118	--	153	111	--	38	--	19,171
Oneseed juniper ^a	1,960	1,873	1,010	356	--	139	--	41	--	--	--	--	--	--	--	5,381
Ponderosa pine	126,696	118,504	91,819	67,372	47,002	33,052	19,490	13,755	7,164	4,486	2,934	1,196	971	597	370	535,408
Rocky Mountain juniper ^a	19,888	6,412	5,977	3,234	2,122	1,115	424	315	394	--	--	61	--	--	--	39,942
Southwestern white pine	7,867	6,057	3,435	1,742	1,319	871	778	629	287	321	263	82	46	--	--	23,698
Subalpine fir	--	--	146	146	109	73	--	--	--	--	--	--	--	--	--	474
Twoneedle pinyon ^a	43,558	17,045	8,450	3,556	1,177	819	406	141	92	18	--	--	--	9	--	75,270
Utah juniper ^a	2,243	--	363	91	--	--	--	--	--	--	--	--	20	--	--	2,716
White fir	73,372	37,108	25,391	17,223	11,853	8,021	4,629	2,894	1,978	1,086	792	445	195	232	223	185,442
Softwood total	507,489	326,927	222,494	151,223	100,730	69,461	41,735	26,923	16,082	8,787	6,531	3,302	1,699	1,451	1,391	1,486,223
Arizona white oak ^a	29,212	5,722	2,097	1,906	315	93	127	68	50	77	--	13	--	--	--	39,680
Aspen	62,618	48,513	35,679	23,461	12,233	6,447	2,541	1,512	749	270	113	--	--	--	--	194,134
Bigtooth maple ^a	5,762	1,336	181	288	147	37	--	74	--	--	--	--	--	--	--	7,824
Boxelder	--	--	34	--	34	--	--	--	--	--	--	--	--	--	--	67
Cottonwood	454	--	433	426	108	215	36	36	36	44	37	36	46	--	37	1,947
Gambel oak ^a	702,379	89,052	25,793	7,992	2,364	1,326	633	300	266	139	133	11	46	18	16	830,468
New Mexico locust ^a	14,187	4,042	239	--	--	--	--	--	--	--	--	--	--	--	--	18,467
Rocky Mountain maple ^a	8,171	1,422	585	269	106	136	107	--	36	--	--	--	--	--	--	10,833
Silverleaf oak ^a	3,148	422	--	--	113	--	--	--	--	--	--	--	--	--	--	3,683
Hardwood total	825,930	150,509	65,040	34,342	15,420	8,254	3,446	1,989	1,136	530	283	60	93	18	53	1,107,104
All species	1,333,419	477,436	287,535	185,564	116,150	77,715	45,180	28,912	17,218	9,317	6,815	3,362	1,792	1,468	1,444	2,593,327

^aDiameter taken at root collar rather than at breast height.

Table 98-Number of growing-stock trees on nonreserved productive timberland (20+) by species and diameter class, New Mexico, 2000

Species	Diameter class (inches at breast height)											All classes				
	1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+ 29.9+	
- Thousand trees -																
Blue spruce	9,688	3,017	2,685	1,346	903	377	190	73	42	--	38	--	--	35	19,739	
Bristlecone pine	--	937	992	583	372	109	273	72	37	--	55	--	--	--	4,421	
Corkbark fir	66,175	30,715	12,547	7,121	3,822	2,457	1,070	671	261	210	117	--	--	--	125,165	
Douglas-fir	76,317	60,040	43,404	30,794	20,071	13,855	8,634	5,645	3,780	1,919	2,019	1,041	440	357	435	268,751
Engelmann spruce	46,860	26,850	16,808	12,692	8,478	6,006	4,574	1,712	1,518	495	67	148	--	75	107	126,389
Limber pine	5,559	3,040	3,358	2,278	1,620	1,021	739	219	118	--	106	111	--	38	--	18,207
Ponderosa pine	97,105	98,469	84,068	64,621	46,134	32,339	19,101	13,499	7,164	4,486	2,934	1,160	962	559	370	472,970
Southwestern white pine	6,497	5,776	3,402	1,525	1,319	803	747	629	287	306	250	82	37	--	--	21,661
Subalpine fir	--	--	146	146	109	73	--	--	--	--	--	--	--	--	--	474
White fir	70,336	35,023	24,385	17,034	11,597	7,946	4,415	2,788	1,958	1,028	792	396	195	232	188	178,313
Softwood total	378,538	263,867	191,794	138,550	95,076	65,774	39,763	25,626	15,231	8,523	6,284	3,031	1,633	1,261	1,135	1,236,089
Aspen	58,274	42,297	31,447	22,361	10,856	5,730	2,088	1,271	713	153	77	--	--	--	--	175,268
Cottonwood	--	--	251	426	36	143	36	--	36	44	37	36	46	--	37	1,131
Hardwood total	58,274	42,297	31,698	22,787	10,893	5,872	2,125	1,271	750	198	115	36	46	--	37	176,399
All species	436,812	306,165	223,492	161,337	105,969	71,646	41,888	26,897	15,981	8,720	6,399	3,068	1,680	1,261	1,172	1,412,488

Table 99-Net volume of growing stock on nonreserved productive timberland (20+) by species and diameter class, New Mexico, 2000

Species	Diameter class (inches at breast height)											All classes			
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	29.0+ 29.9+		
- Thousand cubic feet -															
Blue spruce	5,435	7,200	14,556	16,798	8,248	6,508	4,310	3,162	--	4,845	--	--	--	6,826	77,887
Bristlecone pine	1,474	3,778	3,567	3,869	1,756	6,121	2,195	1,375	--	3,549	--	--	--	--	27,684
Corkbark fir	22,563	35,024	38,427	41,475	26,252	24,674	13,366	12,845	8,005	--	--	--	--	--	222,630
Douglas-fir	79,001	132,905	161,389	180,344	176,073	162,911	148,633	103,110	138,236	94,722	39,519	46,058	74,596	1,537,576	
Engelmann spruce	33,078	68,960	85,570	100,675	120,329	61,458	72,377	30,100	5,687	16,788	--	12,766	28,549	635,437	
Limber pine	6,033	10,424	11,925	12,472	14,529	5,440	4,333	--	5,993	8,340	--	3,359	--	82,849	
Ponderosa pine	129,662	253,331	350,349	406,732	357,364	366,089	275,163	227,666	215,706	111,016	102,967	70,908	67,034	2,933,986	
Southwestern white pine	6,573	7,202	10,988	9,984	13,803	16,639	11,979	14,350	16,556	6,191	3,753	--	--	--	118,019
Subalpine fir	369	651	807	895	--	--	--	--	--	--	--	--	--	--	2,722
White fir	37,845	68,404	89,250	105,512	86,107	76,669	76,281	54,084	50,038	30,136	17,582	20,882	32,994	745,784	
Softwood total	322,113	586,978	766,827	878,757	804,461	726,508	608,638	446,692	440,222	275,588	163,821	153,973	209,998	6,384,575	
Aspen	75,094	135,627	128,496	108,477	58,301	52,378	33,208	9,028	6,577	--	--	--	--	607,185	
Cottonwood	348	2,086	337	1,891	773	--	1,472	1,208	2,113	2,561	3,886	--	--	4,579	21,253
Hardwood total	75,442	137,713	128,833	110,368	59,074	52,378	34,680	10,235	8,690	2,561	3,886	--	--	4,579	628,438
All species	397,554	724,691	895,660	989,124	863,535	778,885	643,318	456,927	448,912	278,149	167,706	153,973	214,576	7,013,013	

Table 100--Net volume of sawtimber (Scribner rule) on nonreserved productive timberland (20+) by species and diameter class, New Mexico, 2000

Species	9.0-	11.0-	13.0-	15.0-	17.0-	19.0-	21.0-	23.0-	25.0-	27.0-	All classes
	10.9	12.9	14.9	16.9	18.9	20.9	22.9	24.9	26.9	28.9	29.0+
Diameter class (inches at breast height)											
Blue spruce	44,376	65,191	35,394	29,320	20,482	15,410	--	24,085	--	24,173	258,430
Bristlecone pine	8,238	12,106	7,093	26,342	9,945	6,550	--	18,243	--	--	88,516
Corkbark fir	119,223	158,208	109,763	110,317	61,534	59,249	35,994	--	--	--	654,288
Douglas-fir	379,491	590,965	678,202	696,307	677,073	490,055	679,836	481,231	197,343	245,167	396,481
Engelmann spruce	259,405	386,900	516,585	279,697	336,633	139,223	26,507	82,814	63,033	145,407	5,512,149
Limber pine	28,057	38,415	54,365	22,648	20,146	--	26,645	43,278	--	18,506	2,236,204
Ponderosa pine	876,083	1,413,345	1,482,770	1,695,498	1,389,173	1,210,844	1,168,421	621,272	591,207	409,501	11,275,014
Southwestern white pine	26,784	33,357	53,949	72,316	56,122	69,759	78,543	33,517	20,907	--	445,259
Subalpine fir	1,960	3,469	--	--	--	--	--	--	--	--	5,429
White fir	227,298	346,736	327,510	316,361	335,172	252,992	239,284	144,404	88,601	109,086	170,579
Softwood total	1,970,915	3,048,691	3,265,631	3,248,806	2,906,280	2,244,082	2,255,231	1,448,844	898,058	852,692	1,146,140
Aspen	(^a)	429,090	257,652	255,615	154,591	41,032	24,688	--	--	--	1,162,668
Cottonwood	(^a)	6,061	3,242	--	4,832	5,814	8,827	7,658	14,697	--	20,599
Hardwood total	(^a)	435,151	260,895	255,615	159,423	46,847	33,515	7,658	14,697	--	20,599
All species	1,970,915	3,483,842	3,526,525	3,504,420	3,065,703	2,290,929	2,288,746	1,456,502	912,755	862,692	1,166,739
											24,519,769

^aHardwoods are not considered sawtimber until they are 11 inches db.h.

Table 101--Net volume of growing stock on nonreserved productive timberland (20+) by species and owner group, New Mexico, 2000

Species	Owner group		
	National Forest	Other public	Nonindustrial private
- Thousand cubic feet - - - - -			
Blue spruce	58,321	--	19,566
Bristlecone pine	13,674	--	14,010
Corkbark fir	142,618	--	80,012
Douglas-fir	1,147,456	62,844	327,277
Engelmann spruce	373,402	21,607	240,429
Limber pine	67,674	730	14,446
Ponderosa pine	1,938,149	60,600	935,237
Southwestern white pine	96,260	--	21,759
Subalpine fir	544	--	2,179
White fir	499,243	35,203	211,338
Softwood total	4,337,340	180,983	1,866,252
Aspen	456,285	17,284	131,616
Cottonwood	6,214	--	15,039
Hardwood total	464,500	17,284	146,654
All species	4,801,839	198,267	2,012,906
			7,013,013

Table 102--Net volume of sawtimber (Scribner rule) on nonreserved productive timberland (20+) by species and owner group, New Mexico, 2000

Species	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand board feet -----				
Blue spruce	199,261	--	59,169	258,430
Bristlecone pine	34,779	--	53,737	88,516
Corkbark fir	423,287	--	231,001	654,288
Douglas-fir	4,289,123	185,685	1,037,340	5,512,149
Engelmann spruce	1,335,282	70,930	829,992	2,236,204
Limber pine	220,385	1,944	29,730	252,059
Ponderosa pine	7,714,172	195,517	3,365,325	11,275,014
Southwestern white pine	363,327	--	81,929	445,255
Subalpine fir	1,359	--	4,070	5,429
White fir	1,734,767	103,841	719,416	2,558,024
Softwood total	16,315,743	557,916	6,411,710	23,285,369
Aspen	947,618	15,963	199,086	1,162,668
Cottonwood	22,279	--	49,452	71,732
Hardwood total	969,897	15,963	248,538	1,234,399
All species	17,285,641	573,880	6,660,248	24,519,769

Table 103--Net volume of growing stock on nonreserved productive timberland (20+) by forest type and stand-size class, New Mexico, 2000

Forest type	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling/seedling	Nonstocked	
----- Thousand cubic feet -----					
Aspen	205,200	328,885	12,950	--	547,035
Blue spruce	103,651	23,383	--	--	127,034
Bristlecone pine	14,333	9,812	--	--	24,145
Cottonwood	23,839	1,726	--	--	25,565
Douglas-fir	1,374,053	157,550	6,837	--	1,538,439
Engelmann spruce	277,795	31,261	3,083	--	312,139
Limber pine	59,576	--	--	--	59,576
Other western softwoods	34,576	--	--	--	34,576
Ponderosa pine	2,755,834	155,404	29,449	--	2,940,687
Spruce-fir	442,106	103,526	3,630	--	549,262
White fir	781,248	62,067	3,062	--	846,377
Nonstocked timberland	--	--	--	8,179	8,179
All types	6,072,210	873,612	59,012	8,179	7,013,013

Table 104--Net volume of sawtimber (Scribner rule) on nonreserved productive timberland (20+) by forest type and stand-size class, New Mexico, 2000

Forest type	Stand-size class			All classes
	Sawtimber	Poletimber	Sapling/ seedling	
----- Thousand board feet -----				
Aspen	673,763	481,437	26,874	-- 1,182,074
Blue spruce	374,244	53,372	--	-- 427,616
Bristlecone pine	53,737	14,733	--	-- 68,469
Cottonwood	81,586	1,239	--	-- 82,825
Douglas-fir	5,134,617	308,601	12,032	-- 5,455,250
Engelmann spruce	1,012,524	63,337	4,619	-- 1,080,481
Limber pine	200,122	--	--	-- 200,122
Other western softwoods	150,218	--	--	-- 150,218
Ponderosa pine	10,608,999	278,786	112,667	-- 11,000,452
Spruce-fir	1,590,898	241,153	11,767	-- 1,843,818
White fir	2,885,604	106,397	10,093	-- 3,002,094
Nonstocked timberland	--	--	--	26,351 26,351
All types	22,766,311	1,549,055	178,052	26,351 24,519,769

Table 105--Net volume of growing stock on nonreserved productive timberland (20+) by forest type and owner group, New Mexico, 2000

Forest type	Owner group			Total
	National Forest	Other public	Nonindustrial private	
----- Thousand cubic feet -----				
Aspen	406,746	28,488	111,801	547,035
Blue spruce	95,195	--	31,838	127,034
Bristlecone pine	9,812	--	14,333	24,145
Cottonwood	11,051	--	14,514	25,565
Douglas-fir	1,157,154	64,532	316,754	1,538,439
Engelmann spruce	160,595	20,561	130,983	312,139
Limber pine	51,631	--	7,945	59,576
Other western softwoods	34,576	--	--	34,576
Ponderosa pine	1,956,748	67,736	916,203	2,940,687
Spruce-fir	354,887	--	194,374	549,262
White fir	556,172	16,951	273,254	846,377
Nonstocked timberland	7,271	--	907	8,179
All types	4,801,839	198,267	2,012,906	7,013,013

Table 106--Net volume of sawtimber (Scribner rule) on nonreserved productive timberland (20+) by forest type and owner group, New Mexico, 2000

Forest type	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand board feet -----				
Aspen	871,433	73,267	237,374	1,182,074
Blue spruce	304,660	--	122,956	427,616
Bristlecone pine	14,733	--	53,737	68,469
Cottonwood	34,829	--	47,996	82,825
Douglas-fir	4,356,986	164,663	933,601	5,455,250
Engelmann spruce	570,233	62,777	447,471	1,080,481
Limber pine	179,088	--	21,034	200,122
Other western softwoods	150,218	--	--	150,218
Ponderosa pine	7,569,442	221,511	3,209,499	11,000,452
Spruce-fir	1,234,016	--	609,801	1,843,818
White fir	1,975,108	51,662	975,324	3,002,094
Nonstocked timberland	24,894	--	1,456	26,351
All types	17,285,641	573,880	6,660,248	24,519,769

Table 107--Net volume of trees on nonreserved productive timberland (20+) by class of timber, and softwoods and hardwoods, New Mexico, 2000

Class of timber	Softwoods	Hardwoods	Total
----- Thousand cubic feet -----			
Sawtimber trees			
Sawlog portion	4,840,270	215,567	5,055,837
Upper-stem portion	635,214	70,884	706,098
Total	5,475,484	286,451	5,761,935
Poletimber trees	909,091	341,988	1,251,079
All growing-stock trees	6,384,575	628,4369	7,013,014
Rough cull trees	77,785	36,312	114,097
Rotten cull trees	5,843	10,414	16,256
Live woodland tree volume	178,129	147,073	325,202
Salvable dead trees	532,825	148,340	681,164
All timber	7,179,155	970,577	8,149,732

Table 108--Net annual growth of growing stock on nonreserved productive timberland (20+) by forest type and owner group, New Mexico, 1999

Forest type	Owner group				Total
	National Forest	Other public	Nonindustrial private		
----- Thousand cubic feet -----					
Aspen	8,843	34	3,793	12,669	
Blue spruce	1,511	--	662	2,173	
Bristlecone pine	299	--	135	434	
Cottonwood	-99	--	420	321	
Douglas-fir	17,044	497	6,068	23,609	
Engelmann spruce	3,179	320	2,814	6,313	
Limber pine	801	--	67	867	
Other western softwoods	529	--	--	529	
Ponderosa pine	44,931	2,086	21,312	68,328	
Spruce-fir	4,300	--	5,450	9,750	
White fir	10,323	149	5,415	15,886	
Nonstocked timberland	-489	--	145	-344	
All types	91,171	3,085	46,280	140,536	

Table 109--Net annual growth of sawtimber (Scribner rule) on nonreserved productive timberland (20+) by forest type and owner group, New Mexico, 1999

Forest type	Owner group				Total
	National Forest	Other public	Nonindustrial private		
----- Thousand board feet -----					
Aspen	29,730	144	5,199	35,073	
Blue spruce	7,248	--	3,736	10,984	
Bristlecone pine	768	--	530	1,298	
Cottonwood	-347	--	1,401	1,054	
Douglas-fir	77,102	963	24,059	102,124	
Engelmann spruce	13,615	937	14,906	29,458	
Limber pine	3,215	--	208	3,423	
Other western softwoods	2,903	--	--	2,903	
Ponderosa pine	198,713	7,264	89,302	295,279	
Spruce-fir	20,526	--	19,167	39,694	
White fir	47,461	1,178	24,289	72,927	
Nonstocked timberland	-2,567	--	94	-2,474	
All types	398,368	10,485	182,890	591,743	

Table 110--Annual mortality of growing stock on nonreserved productive timberland (20+) by forest type and owner group, New Mexico, 1999

Forest type	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand cubic feet -----				
Aspen	2,553	626	340	3,518
Blue spruce	104	--	--	104
Cottonwood	384	--	--	384
Douglas-fir	3,554	529	1,485	5,569
Engelmann spruce	140	--	145	285
Other western softwoods	77	--	--	77
Ponderosa pine	3,596	15	1,171	4,782
Spruce-fir	2,239	--	396	2,636
White fir	2,588	142	702	3,432
Nonstocked timberland	817	--	--	817
All types	16,051	1,312	4,239	21,602

Table 111--Annual mortality of sawtimber (Scribner rule) on nonreserved productive timberland (20+) by forest type and owner group, New Mexico, 1999

Forest type	Owner group			
	National Forest	Other public	Nonindustrial private	Total
----- Thousand board feet -----				
Aspen	6,363	1,674	954	8,991
Cottonwood	1,713	--	--	1,713
Douglas-fir	12,976	2,200	3,738	18,914
Engelmann spruce	646	--	144	789
Other western softwoods	204	--	--	204
Ponderosa pine	14,689	--	1,782	16,471
Spruce-fir	6,998	--	929	7,928
White fir	9,551	313	1,883	11,747
Nonstocked timberland	3,733	--	--	3,733
All types	56,874	4,186	9,430	70,489

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