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The Timber Resources of Western Oregon— Highlights and Statistics

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Abstract

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This report summarizes and interprets the results of a timber resource inventory of western Oregon made between 1973 and 1976. Detailed tables give land and forest area, timber volume, growth, and mortality for western Oregon and for southwest Oregon, west-central Oregon, and northwest Oregon.

Keywords: Forest survey, statistics (timber), timber resources, resources (timber), Oregon (western), western Oregon.

Summary

There are 19.2 million acres of land in western Oregon, of which an estimated 15.1 million acres are forested and an estimated 13.7 million acres are classified as timberland. The area has an estimated 56.3 billion cubic feet of standing timber with 72 percent of this volume in public ownership. Of this total volume, southwest Oregon contains 41 percent, west-central Oregon 34 percent, and northwest Oregon 25 percent.

Preface

This report presents statistics from an inventory of the timber resources of western Oregon (see map); statistics are shown separately for each of three inventory units, and combined for all of western Oregon. Southwest Oregon was inventoried in 1973-74, west-central Oregon in 1975, and northwest Oregon in 1976. The previous inventory of southwestern Oregon was made in 1962, west-central Oregon in 1961-62, and northwest Oregon in 1961.

This report brings together statistics on the timber resources of western Oregon, provides information on changes since the previous inventory, and presents highlights from the inventories and the general timber resource situation. Statistics from the earlier inventory have been adjusted to provide the best estimate of change.

Statistics for the three inventory units have been published separately (Bassett 1979, Jacobs 1978, and Mei 1979). The timber statistics in this report differ in some instances from those previously published. In the southwest Oregon statistics, a misclassification of one plot was corrected. In northwest Oregon, owners who did not have processing plants but owned and managed large tracts of timberland for timber production were included with forest industry owners in Mei's report; in this report these owners are included with other private owners to conform to traditional ownership classifications used by the Forest Service.

Field data for all lands except National Forests and lands managed by the Bureau of Land Management (BLM), U.S. Department of the Interior, were collected by the Renewable Resources Evaluation Unit of the Pacific Northwest Forest and Range Experiment Station.

Renewable Resources Evaluation (formerly Forest Survey) is a nationwide project of the Forest Service authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Forest resource inventories are conducted throughout the 50 States by the USDA Forest Service Experiment Stations. The Pacific Northwest Forest and Range Experiment Station at Portland, Oregon, is responsible for forest resource inventories in Alaska, California, Oregon, Hawaii, and Washington.

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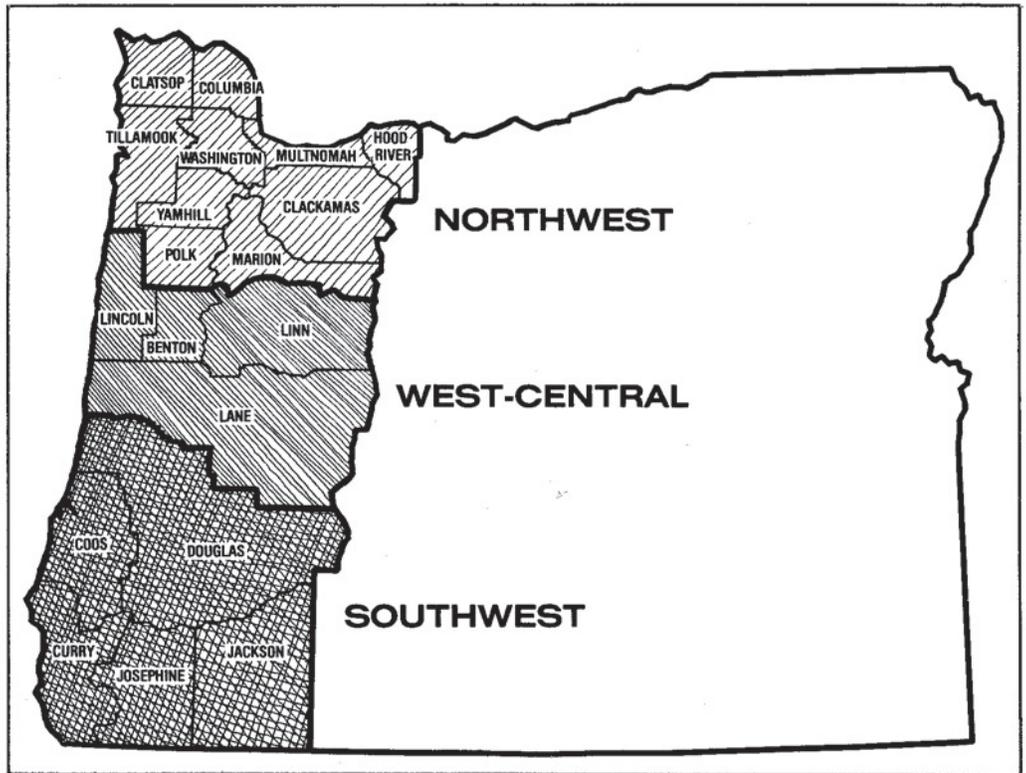
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**Western Oregon
Inventory Units and
Counties**



Timber Resources in Brief

The Timber Resource Situation

Western Oregon is one of the world's most productive forest areas. Its 13.7 million acres of timberland¹ bounded by the Pacific Ocean and the crest of the Cascade Range have soils and climate especially favorable to growing softwood trees. Although western Oregon has only 3 percent of the Nation's timberland its timber resources have far greater national significance. Fifty-seven percent of western Oregon's timberland has the potential to produce at least 120 cubic feet of wood annually. The potential to produce that amount of wood is found in only 5 percent of timberland in the Northern States, 7 percent in the Southern States, and 8 percent in the Rocky Mountain States.

Western Oregon is heavily (79 percent) forested. A high proportion (90 percent) of this forest land is classified as timberland potentially available for and capable of producing timber. Two percent of the forest land is legally reserved from timber production, most of it in designated Wilderness areas. Another 7 percent is not capable of producing timber because of infertile or unstable soils or harsh or difficult sites.

A little more than half (54 percent) of the timberland in western Oregon is in public ownership. Between 49 and 57 percent of each inventory unit is publicly owned. Public ownership is 88 percent Federal, the remainder mainly State. About 70 percent of the Federal land is in National Forests and the remainder is managed by the Bureau of Land Management (BLM). Sixty-one percent of the private forest land is owned by forest industry, 22 percent by miscellaneous private owners, and 17 percent by farmers. Each inventory unit contains about the same mix of private ownership.

Even after many years of timber harvesting, 3 out of every 5 acres of timberland in western Oregon are still classed as having sawtimber stands. Large (21.0 inches and larger in diameter) trees predominate on half these sawtimber stands. Many forest industries in western Oregon depend heavily on large sawtimber. Most of the large sawtimber trees are on public land especially in National Forests of west-central and southwest Oregon.

Much of western Oregon's timberland is suitable for growing coniferous forests. Disturbance by logging, fire, or abandonment, however, favors hardwood species, which do not live as long as conifers but regenerate easily and dominate many areas. Currently 2.7 million acres are in hardwoods, which are replacing potential softwood growth. In southwest and northwest Oregon, 22 and 20 percent, respectively, of the timberland area is in hardwoods; in west-central Oregon 16 percent. Federal timberlands have 9 percent in hardwoods, other public, 27 percent; forest industry, 20 percent; and other private owners, almost 47 percent. Some balance of hardwoods is considered desirable; for example, red alder, the dominant hardwood species, returns nitrogen to the soil. Most hardwoods, however, are considered a deterrent to the production of softwood.

Western Oregon has 56.3 billion cubic feet of growing stock. An additional 3.3 billion cubic feet is sound wood in cull and dead trees. Of the total growing stock, 51.6 billion cubic feet is softwoods and 4.8 billion is hardwoods. Almost 54 percent of the softwood growing stock is in National forests; 17 percent is on lands managed by BLM; 4 percent is on land in other public ownerships—primarily State; 18 percent is on land owned by forest industry; and 7 percent is on land of other private owners.

¹ Terms used in this report are defined in a separate section.

Changes in Private Timberland Between 1961-62 and 1973-76

In western Oregon, annual gross growth of softwoods on all timberland ranges from 65 to 91 cubic feet per acre. National Forests and other private land have the lowest growth and other public land the highest. Older stands on Federal timberland continue to add wood but also lose considerable volume through mortality. This is reflected in the lower net growth on Federal forests.

Annual mortality of softwoods in western Oregon totals 222 million cubic feet. Federal forests with large inventories of old softwood timber have an annual mortality of 25 to 26 cubic feet per acre compared to 5 to 11 cubic feet on other public and private timberland. The mortality rate for all ownerships, except other public, is almost the same—from 0.4 to 0.6 percent. Other public ownerships have a mortality rate of 0.2 percent.

Conversion of private timberland to pastures, urban uses, roads, Christmas tree farms, and other uses between inventories reduced the area of private timberland by 212,000 acres.² Ninety-two percent of these losses were from other private timberlands; the forest industry lost relatively little. During this period the forest industry purchased 280,000 acres of timberland, mainly from other private timberland owners. Net losses of timberland to other uses, and gains or losses of timberland through purchase or sale, resulted in an average annual gain of 19,800 acres to industrial forests, and an average annual decrease of 34,000 acres in other private holdings.

During the same period, the volume of softwood growing stock in forest industry ownership decreased 22 percent, from 12.1 billion cubic feet to 9.4 billion cubic feet. Most of the decrease took place in southwest and west-central Oregon; decreases were 36 and 21 percent respectively. In northwest Oregon the softwood inventory increased 10 percent. Average softwood volume per acre on forest industry timberland decreased from 3,399 cubic feet to 2,484 cubic feet as limited reserves of old-growth timber were harvested.

On other private timberland the softwood inventory decreased 6 percent between inventories. The decrease was largely the result of reductions in timberland area, since other private owners harvested about the same volume as was grown. Volume per acre in this ownership increased from 1,300 cubic feet per acre to 1,500 cubic feet per acre.

The inventory of hardwoods on private timberland decreased by six percent, mainly because timberland area decreased. The average per-acre volume of hardwood increased, however, on forest industry timberland from 286 cubic feet to 325 cubic feet, on other private timberland from 502 cubic feet to 607 cubic feet.

The average size of softwood trees decreased on private timberland. In 1961-62, 75 percent of forest industry softwood sawtimber was in trees more than 21 inches in diameter; by 1973-76 this proportion had decreased to 53 percent. On other private timberland 53 percent of the softwood timber was larger than 21 inches in 1961-62 but by 1973-76 only 41 percent was larger. At the present rate of utilization forest industry lands will sustain cutting of trees 21.0 inches and larger for about 16 years, other private lands about 40 years.

² Unpublished data on file at Pacific Northwest Forest Range Experiment Station, Portland, Oregon.

Inventory Procedures

The estimates of forest land area, volume, growth, and mortality reported here combine data from three sources: a field inventory of private, State, county, and municipal lands done by the Renewable Resources Evaluation Unit; National Forest inventories; and BLM inventories. National Forest and BLM inventories more than 5 years old were updated. The updating was done by stand projection (Larson and Goforth 1970). In addition, inventories were updated to account for cutting and restocking of clearcuts. Separate reports detail procedures for individual National Forests and the BLM (Bassett 1979; Jacobs 1978; and Mei 1979).

Inventories by National Forests and the BLM relied on systematic sampling of field plots. National Forests used plots located on a 1.7-mile square grid, BLM a 0.85-mile grid. On most National Forests, nonforest, noncommercial forest, and clearcut areas were mapped; the field plot samples were restricted to timberland exclusive of clearcuts.

Field plots used in National Forest and BLM inventories were clusters of 10 variable-radius plots distributed over approximately one acre. Seedlings and saplings were sampled on 1/300th-acre, fixed-radius plots located at each of the 10 points.

For all lands, other than National Forest and BLM, the design used was double sampling for stratification (Cochran 1963). Photo points were classified by: owner group, major land class (timberland, other forest, and nonforest), and stand volume class.

The 10-point field plot design used on the National Forest and BLM inventories was used. Most of these field plots had been established in 1961-62 and were remeasured for the 1973-76 inventory. Growth and mortality were determined by comparing old and new tallies. A few new plots were established, either because of ownership change or failure to relocate the old plot.

The 1961-62 inventory data were recalculated to make comparisons meaningful. This was necessary for several reasons.

1. New volume tables used for the reinventory were applied to trees measured in 1961-62 to produce comparable estimates of volume.
2. In instances where the 1961-62 field plots could not be relocated, new plots were established in the approximate same locations and data were reconstructed and included in the recompilation of the 1961-62 inventory.
3. Errors in the 1961-62 inventory, such as missed trees or incorrect owner classification, were corrected and included in the compilation of the inventory.
4. Several definitions had changed by 1973. In 1961-62 roads and streams were classified as nonforest only if they exceeded 120 feet in width; in the 1973-76 inventory, the width standard was 30 feet. In 1973-76 the timberland classification required a minimum potential productivity of 20 cubic feet per acre per year; this was not a qualification in 1961-62.

Reliability of Inventory Data

5. Stocking procedures for the reinventory changed the way forest plots were classified as to type; the 1961-62 inventory was modified accordingly. To make comparisons possible, 1961-62 sample trees were assigned expansion factors based on diameter at time of reinventory.

For all these reasons the 1961-62 inventory statistics for this report are different from those shown in previously published statistics for the 1961-62 inventory (Hazard and Metcalf 1964a, 1964b, 1965).

The timberland area of the Mt. Hood, Willamette, and Siuslaw National Forests was determined from mapping and is not subject to sampling error. With that exception, all area and volume statistics presented here are based on sampling and are subject to sampling error. Sampling errors and their associated confidence intervals have been calculated for all area and volume estimates except those for National Forest and BLM land. Although procedures used to update older National Forest and BLM inventories made calculation of sampling errors for these owner classes infeasible, the intensive sample and short updating period suggest a high level of precision.

Confidence intervals (0.68 probability level) for the estimated timberland area, cubic-foot volume, and net annual cubic-foot growth by ownership class for western Oregon and for inventory units are as follows:

Owner	Timberland area <i>Thousand acres</i>	Net volume <i>Million cubic feet</i>	Net annual growth
Western Oregon:			
Other public	863 ± 28	2,779 ± 219	94 ± 8
Forest industry	3,780 ± 49	10,616 ± 453	327 ± 17
Other private	2,442 ± 47	5,257 ± 309	199 ± 11
All owners	7,085 ± 60	18,652 ± 571	620 ± 21
Southwest Oregon:			
Other public	180 ± 9	699 ± 130	11 ± 3
Forest industry	1,641 ± 29	4,424 ± 302	78 ± 8
Other private	974 ± 21	1,610 ± 174	57 ± 7
All owners	2,795 ± 37	6,733 ± 372	146 ± 11
West-central Oregon:			
Other public	109 ± 7	616 ± 94	16 ± 3
Forest industry	1,097 ± 21	3,050 ± 247	106 ± 10
Other private	701 ± 15	1,663 ± 196	62 ± 6
All owners	1,907 ± 27	5,329 ± 329	184 ± 12
Northwest Oregon:			
Other public	575 ± 26	1,464 ± 149	67 ± 7
Forest industry	1,042 ± 34	3,142 ± 230	142 ± 11
Other private	766 ± 39	1,986 ± 164	80 ± 6
All owners	2,383 ± 38	6,592 ± 282	289 ± 14

Confidence intervals are used here as quantitative expressions of the reliability of statistics on timberland area, volume, and growth. The above tabulation, for instance, indicates that there is a two-in-three chance that there are between 7,145,000 and 7,025,000 acres of timberland in other public and private ownership in western Oregon ($7,085 + 60 = 7,145$, and $7,085 - 60 = 7,025$).

Confidence intervals vary with both size of the estimate and variance of the item being estimated. If variance is assumed constant, confidence bounds can be approximated for estimates of various sizes. The individual equations that follow assume an average relationship between variance and the size of the estimates, and thus provide only an approximation of the reliability of individual estimates. The equations are:

Timberland area (by type or class)

$$\text{Confidence interval (M acres)} = 3.32 (A)^{.44}$$

where A is timberland area in M acres.

Timberland volume

$$\text{Confidence interval (M ft}^3\text{)} = 1.796 (V)^{.616}$$

where V is net cubic-foot volume in M ft³.

Timberland growth

$$\text{Confidence interval (M ft}^3\text{)} = 5.81 (V)^{.659}$$

where V is net annual cubic-foot growth in M ft³.

Terminology

Bureau of Land Management (BLM) lands—Federal lands administered by the U.S. Department of the Interior, Bureau of Land Management.

Class of timber—A classification of trees as growing stock, cull, and salvable dead. Growing stock trees are subdivided into poletimber and sawtimber trees.

Commercial species—A tree species suitable for industrial wood products.

Cull trees—Live trees of noncommercial species or live trees of commercial species that are more than 75 percent defective and are unlikely to become growing stock.

Cull trees, rotten—Live trees with excessive defect primarily caused by rot.

Cull trees, sound—Live trees of noncommercial species or live trees of commercial species with excessive defect caused by poor form, roughness, etc,

Diameter class—A classification of trees based on diameter outside bark measured at breast height, 4-½ feet (1.37 m) above the ground. D.b.h. is the common abbreviation for “diameter at breast height.”

Forest industry lands—Lands owned by companies or individuals operating wood-using plants.

Forest land—Land at least 10-percent stocked by live trees or land formerly having such tree cover and not currently developed for nonforest use.

Forest types—Stands with 50 percent or more stocking in live conifer trees are classed as softwood types. Stands with a majority of stocking in live hardwood trees are classed as hardwood types. Within these two groups, the individual forest type is determined by plurality of stocking by species of live softwood or hardwood trees.

Growing stock trees—All live trees with the exception of cull trees.

Growing stock volume—Net volume in cubic feet of live sawtimber and poletimber growing stock trees from stump to a minimum 4-inch (10-cm) top (of central stem) outside bark. Net volume equals gross volume less deduction for rot and missing bole sections.

Hardwoods—Angiosperms, usually broad-leaved and often deciduous.

Industrial wood—All commercial roundwood products except fuelwood.

International 1/4-inch rule—The standard board-foot log rule adopted nationally by the USDA Forest Service for the presentation of inventory volume statistics.

Land area—Area reported as land by the Bureau of the Census. Total land area includes dry land and land temporarily or partially covered by water, such as marshes, swamps, and river flood plains; streams, sloughs, and canals less than one-eighth mile (200 m) wide; and lakes, reservoirs, and ponds less than 40 acres (16 ha) in area.

Land class—A classification of land by major use. The minimum size area for classification is 1 acre (0.4 ha).

Mean annual increment—A measure of the productivity of forest land in terms of the average increase in cubic-foot volume per acre per year. For a given species and site index the average is based on the number of years needed for the mean annual increment to culminate in fully stocked stands.

Mortality—Volume of sound wood in trees dying from natural causes during a specified period.

National Forest lands—Federal lands which have been designated by Executive order or statute as National Forest or purchase units and other lands under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III lands.

Net annual growth—The net increase in volume of trees during a specified year. Components of net annual growth of trees: (a) the increment in net volume of trees alive at the beginning of the specified year and surviving to the year's end, plus (b) the net volume of trees reaching sawtimber or poletimber size during the year, minus (c) the net volume of trees that died during the year.

Noncommercial species—A tree species not suitable for industrial wood products.

Nonforest land—Land that has never supported forests or was formerly forested and is currently developed for nonforest uses. Included are lands used for agricultural crops, improved pasture, residential areas, city parks, improved roads, operating railroads and their right-of-way clearings, powerline and pipeline clearings, streams over 30 feet (10 m) wide, and 1- to 40-acre (0.4- to 16- ha) areas of water classified by the Bureau of the Census as land. If intermingled in forest areas, unimproved roads and other nonforest strips must be more than 120 feet (35 m) wide, and clearings or other areas must be 1 acre (0.4 ha) or larger to qualify as nonforest land.

Nonstocked areas—Timberland less than 10 percent stocked with growing stock trees.

Other forest land—Forest land incapable of producing 20 cubic feet per acre per year of industrial wood because of adverse site conditions such as sterile soil, dry climate, poor drainage, high elevation, steepness, or rockiness.

Other private lands—All privately owned lands except those classed as forest industry lands.

Other private lands, farmer—Lands owned by operators of farms.

Other private lands, miscellaneous—Privately owned lands other than those owned by forest industry or farmers.

Other public lands—Lands administered by public agencies other than the Forest Service and the Bureau of Land Management.

Poletimber stands—Stands with a mean diameter (weighted by basal area) from 5.0 inches (12.5 cm) to 9.0 inches (22.5 cm) if softwood and from 5.0 inches (12.5 cm) to 11.0 inches (27.5 cm) if hardwood.

Poletimber trees—Live trees of commercial species at least 5.0 inches (12.5 cm) in diameter at breast height but smaller than sawtimber size, and of good form and vigor.

Roundwood—Logs, bolts, or other round sections cut from trees.

Salvable dead trees—Standing or down trees of commercial species, at least 9.0 inches (22.5 cm) in d.b.h. for softwoods and at least 11.0 inches (27.5 cm) in d.b.h. for hardwoods, containing 25 percent or more sound wood volume and at least one merchantable 12-foot (3.8 m) log if softwood or one merchantable 8-foot (2.5 m) log if hardwood.

Sapling and seedling stands—Stands with a mean diameter (weighted by basal area) less than 5.0 inches (12.5 cm).

Sapling and seedling trees—Live trees of commercial species less than 5 inches (12.5 cm) in d.b.h. with no disease, defects, or deformities likely to prevent their becoming poletimber trees.

Sawtimber stands—Stands with a mean diameter (weighted by basal area) larger than 9.0 inches (22.5 cm) if softwood and larger than 11.0 inches (27.5 cm) if hardwood.

Sawtimber trees—Live softwood trees of commercial species at least 9.0 inches (22.5 cm) in d.b.h. and hardwood trees of commercial species at least 11.0 inches (27.5 cm) in d.b.h. At least 25 percent of the board-foot volume in a sawtimber tree must be free from defect. Softwood trees must contain at least one 12-foot (3.8-m) sawlog with a top diameter of not less than 6 inches (15 cm) inside the bark; hardwood trees must contain at least one 8-foot (2.5-m) sawlog with a top diameter of not less than 8 inches (20 cm) inside the bark.

Sawtimber volume—Net volume of sawtimber trees measured in board feet. Net volume equals gross volume less deduction for rot, sweep, crook, and other defects that affect use for lumber.

Scribner rule—The common board-foot log rule used locally in determining volume of sawtimber. Scribner volume is estimated in terms of 32-foot (10-m) logs for softwoods and 16-foot (5-m) for hardwoods.

Site class—A classification of the potential productivity of forest land in terms of mean annual increment.

Site index—A measure of the productivity of forest land in terms of the average height of dominant and codominant trees at a specified age.

Softwoods—Coniferous trees, usually evergreen.

Timber harvest—Volume of roundwood removed from forest land for products.

Timber volume—Includes the net volume in cubic feet of poletimber and sawtimber trees and salvable dead sawtimber trees of all species, the net volume in cubic feet of cull trees of commercial species, and gross volume of noncommercial species. Volume is measured from stump to a minimum 4-inch (10-cm) top outside bark.

Timberland—Forest land capable of producing 20 cubic feet per acre (1.4 m³/ha) of industrial wood.

Timberland, deferred—National Forest timberland temporarily withdrawn from timber utilization and under study for possible inclusion in the wilderness system.

Timberland, reserved—Public land withdrawn from timber utilization through statute, ordinance, or administrative order but which otherwise qualifies as timberland.

Timberland, unreserved—Timberland not withdrawn from timber utilization.

Upper-stem portion—The bole of sawtimber trees above the saw-log top—7.0 inches (18 cm) outside bark for softwoods and 9.0 inches (23 cm) outside bark for hardwoods—to a minimum top diameter of 4.0 inches (10 cm) outside bark, or to the point where the central stem breaks into limbs.

Western Oregon Trees

This list includes the important tree species found in western Oregon. The source for scientific names is Little (1979).

Common name

Scientific name

Softwoods

Alaska-cedar	<i>Chamaecyparis nootkatensis</i> (D. Don) Spach
Douglas-fir	<i>Pseudotsuga menziesii</i> (Mirb.) Franco
Fir, grand	<i>Abies grandis</i> (Doug[. ex D. Don) Lindl.
Fir, noble	<i>Abies procera</i> Rehd.
Fir, Pacific silver	<i>Abies amabilis</i> Dougl. ex Forbes
Fir, Shasta red	<i>Abies magnifica</i> A. Murr. var. <i>shastensis</i> (Lemur.)
Fir, subalpine	<i>Abies lasiocarpa</i> (Hook.) Nutt.
Fir, white	<i>Abies concolor</i> (Gord. & Glend.) Lindl. ex Hildebr.
Hemlock, mountain	<i>Tsuga mertensiana</i> (Bong.) Carr.
Hemlock, western	<i>Tsuga heterophylla</i> (Raf.) S arg.
Incense-cedar	<i>Libocedrus decurrens</i> Torr.
Juniper, western	<i>Juniperus occidentalis</i> Hook.
Larch, western	<i>Larix occidentalis</i> Nutt.
Pine, Jeffrey	<i>Pinus jeffreyi</i> Grev. & Balf.
Pine, knobcone	<i>Pinus attenuata</i> Lemm.
Pine, lodgepole	<i>Pinus contorta</i> Dougl. ex Loud.
Pine, ponderosa	<i>Pinus ponderosa</i> Dougl. ex Laws.
Pine, sugar	<i>Pinus lambertiana</i> Dougl.
Pine, western white	<i>Pinus monticola</i> Dougl. ex D. Don
Pine, whitebark	<i>Pinus albicaulis</i> Engelm.
Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i> (A. Murr.) Parl.
Redcedar, western	<i>Thuja plicata</i> Donn ex D. Don
Redwood	<i>Sequoia sempervirens</i> (D. Don) Endl.
Spruce, Brewer	<i>Picea brewerana</i> Wats.
Spruce, Engelmann	<i>Picea engelmannii</i> Parry ex Engelm.
Spruce, Sitka	<i>Picea sitchensis</i> (Bong.) Carr.

Hardwoods

Alder, red	<i>Alnus rubra</i> Bong.
Alder, white	<i>Alnus rhombifolia</i> Nutt.
Ash, Oregon	<i>Fraxinus latifolia</i> Benth.
California-laurel	<i>Umbellularia californica</i> (Hook. & Am.) Nutt
Chinkapin, golden	<i>Castanopsis chrysophylla</i> (Doug[.] A. DC.
Cottonwood, black	<i>Populus trichocarpa</i> Torr. & Gray
Madrone, Pacific	<i>Arbutus menziesii</i> Pursh
Maple, bigleaf	<i>Acer macrophyllum</i> Pursh
Oak, California black	<i>Quercus kelloggii</i> Newb.
Oak, canyon live	<i>Quercus chrysolepis</i> Liebm.
Oak, Oregon white	<i>Quercus garryana</i> Dougl. ex Hook.
Tanoak (Oregon myrtle)	<i>Lithocarpus densiflorus</i> (Hook. & Arn.) Rehd.

Tables

Table 1 — Area by county and land class, western Oregon, January 1, 1977 ^{1/}

COUNTY	FOREST LAND				TOTAL	NONFOREST LAND ^{2/}	ALL LANDS ^{3/}
	TIMBERLAND	DEFERRED TIMBERLAND	RESERVED TIMBERLAND	OTHER			
	THOUSAND ACRES						
BENTON	265	--	4/	3	268	160	428
CLACKAMAS	846	--	2	52	900	307	1,206
CLATSOP	415	--	5	11	431	84	515
COLUMBIA	305	--	1	3	309	99	409
COOS	848	--	8	14	870	159	1,027
CURRY	756	9	47	138	950	92	1,041
DOUGLAS	2,642	--	7	150	2,799	442	3,240
HOOD RIVER	223	--	6	40	269	66	335
JACKSON	1,167	10	5	309	1,491	309	1,800
JOSEPHINE	730	--	12	182	924	114	1,039
LANE	2,254	--	127	95	2,476	436	2,913
LINCOLN	553	--	1	1	555	76	631
LINN	906	--	60	50	1,016	445	1,461
MARION	314	--	14	39	367	378	746
MULTNOMAH	111	--	8	15	134	137	271
POLK	254	--	1	3	258	213	471
TILLAMOOK	606	--	5	4	615	98	714
WASHINGTON	234	--	1	2	237	228	465
YAMHILL	240	--	4/	1	241	214	455
TOTAL	13,667	19	310	1,112	15,110	4,057	19,167

^{1/}Totals may be off because of rounding.

^{2/}Includes cropland, pasture and range, swampland, industrial and urban areas, powerline clearings, railroads, and all improved roads and highways, and acres classified as water by Forest Survey standards, but defined by the Bureau of Census as land.

^{3/}Source: United States Bureau of the Census, Land and Water Area of the United States, 1970.

^{4/}Less than 500 acres.

Table 2 — Area of timberland by county and ownership class, western Oregon, January 1, 1977 ^{1/}

COUNTY	PUBLIC				PRIVATE				ALL OWNERSHIPS
	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER	TOTAL	FOREST INDUSTRY	FARMER OWNED	MISCELLANEOUS	TOTAL	
THOUSAND ACRES									
BENTON	14	56	29	99	52	54	61	166	265
CLACKAMAS	473	55	27	555	119	52	120	291	846
CLATSOP	--	--	136	136	226	15	38	279	415
COLUMBIA	--	10	12	22	190	28	65	283	305
COOS	64	156	78	298	343	110	97	550	848
CURRY	412	57	4	473	166	60	58	283	756
DOUGLAS	897	609	56	1,562	756	235	89	1,080	2,642
HOOD RIVER	151	--	26	177	30	5	11	46	223
JACKSON	388	277	6	671	332	73	91	496	1,167
JOSEPHINE	258	230	36	524	45	45	117	206	730
LANE	1,119	279	27	1,425	563	66	200	829	2,254
LINCOLN	164	23	25	212	252	8	81	341	553
LINN	333	84	28	445	229	109	122	461	906
MARION	156	19	22	197	49	22	46	117	314
MULTNOMAH	53	5	6	64	10	9	27	47	111
POLK	2/	37	6	43	130	48	32	211	254
TILLAMOOK	78	46	282	406	150	17	34	200	606
WASHINGTON	--	12	52	64	73	53	44	170	234
YAMHILL	25	43	6	74	65	69	31	166	240
TOTAL	4,585	1,997	863	7,445	3,780	1,078	1,364	6,222	13,667

^{1/}Totals may be off because of rounding.

^{2/}Less than 500 acres.

Table 3 — Area of timberland by cubic-foot site and ownership classes, western Oregon, January 1, 1977 ^{1/}

SITE CLASS ^{2/}	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
	THOUSAND ACRES					
225 OR MORE	53	9	46	140	67	315
165-224	520	234	131	634	212	1,732
120-164	1,347	933	494	1,885	1,061	5,720
85-119	1,142	433	104	733	533	2,945
50-84	1,407	374	50	254	310	2,395
20-49	115	14	39	133	259	559
ALL CLASSES	4,585	1,997	863	3,780	2,442	13,667

^{1/}Totals may be off because of rounding.

^{2/}Capacity for cubic-foot annual growth per acre at culmination of mean annual growth in fully stocked natural stands.

Table 4 — Area of timberland by stand-size and ownership classes, western Oregon, January 1, 1977^{1/}

STAND-SIZE CLASS	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
SAWTIMBER STANDS:						
LARGE SAWTIMBER ^{2/}	2,466	949	110	613	245	4,382
SMALL SAWTIMBER ^{3/}	1,045	413	411	1,305	982	4,156
TOTAL	3,511	1,362	521	1,918	1,227	8,538
POLETIMBER STANDS	306	70	146	475	420	1,417
SAPLINGS AND						
SEEDLING STANDS	638	470	177	1,173	466	2,924
NONSTOCKED AREAS	130	94	19	214	331	788
TOTAL	768	564	196	1,387	797	3,112
ALL CLASSES	4,585	1,997	863	3,780	2,442	13,667

^{1/}Totals may be off because of rounding.

^{2/}Large sawtimber includes trees 21.0-inch d.b.h. and larger.

^{3/}Small sawtimber includes softwood trees 9.0- to 20.9-inch d.b.h. and hardwood trees 11.0- to 20.9-inch d.b.h.

Table 5 — Area of timberland by forest type and ownership class, western Oregon, January 1, 1977 ^{1/}

FOREST TYPE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
	THOUSAND ACRES					
DOUGLAS-FIR	2,709	1,531	562	2,294	882	7,978
WESTERN HEMLOCK	366	66	--	163	48	643
WHITE FIR	133	54	--	37	12	237
SITKA SPRUCE	15	1	25	117	44	202
PACIFIC SILVER FIR	194	--	4	--	--	198
GRAND FIR	52	11	2	62	60	188
MOUNTAIN HEMLOCK	159	--	--	--	--	159
WESTERN REDCEDAR	49	14	3	42	45	154
LOGSPOLE PINE	105	--	8	--	19	132
INCENSE-CEDAR	24	23	2	39	37	125
PONDEROSA PINE	39	27	--	9	25	100
PORT-ORFORD-CEDAR	19	4	9	29	15	76
SHASTA RED FIR	70	--	--	--	--	70
NOBLE FIR	36	2	--	20	--	58
JEFFREY PINE	2	--	--	23	--	25
SUGAR PINE	9	16	--	--	--	25
WESTERN WHITE PINE	17	--	--	--	--	17
KNOBCONE PINE	14	--	--	--	--	14
REDWOOD	5	--	--	6	--	11
SUBALPINE FIR	10	--	--	--	--	10
ENGELMANN SPRUCE	8	--	--	--	--	8
ALASKA-CEDAR	4	--	--	--	--	4
WHITEBARK PINE	2	--	--	--	--	2
RED ALDER	137	54	189	501	412	1,293
UNCLASSIFIED ^{2/}	130	85	19	160	102	496
MADRONE	39	38	13	73	194	357
COMMERCIAL HARDWOODS	1	29	13	114	118	275
OREGON WHITE OAK	--	1	18	6	172	197
MAPLE	5	20	--	38	123	186
TANOAK	162	--	--	--	--	162
CALIFORNIA BLACK OAK	6	15	--	32	56	109
NONCOMMERCIAL HARDWOODS	3	5	--	10	60	78
CHINKAPIN	29	1	--	--	--	30
CANYON LIVE OAK	22	--	--	--	--	22
NONCOMMERCIAL CONIFERS	7	--	--	--	9	16
COTTONWOOD	--	--	--	--	9	9
CALIFORNIA LAUREL	2	--	--	--	--	2
ALL TYPES	4,585	1,997	863	3,780	2,442	13,667

^{1/}Totals may be off because of rounding.

^{2/}Unclassified type is less than 10 percent stocked with live trees.

Table 6 — Area of reserved timberland by forest type and ownership class, western Oregon, January 1, 1977 ^{1/}

FOREST TYPE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
	<u>THOUSAND ACRES</u>					
DOUGLAS-FIR	28	14	31	--	--	73
TRUE FIR	127	--	<u>2/</u>	--	--	127
FIR-HEMLOCK	<u>2/</u>	--	<u>4</u>	--	--	4
PONDEROSA PINE	1	<u>2/</u>	2	--	--	3
JEFFREY PINE	<u>2/</u>	--	--	--	--	<u>2/</u>
SUGAR PINE	<u>12</u>	<u>2/</u>	<u>2/</u>	--	--	<u>12</u>
WESTERN WHITE PINE	1	--	--	--	--	1
LOGEPOLE PINE	66	--	2	--	--	68
SITKA SPRUCE	1	--	8	--	<u>2/</u>	9
PORT-ORFORD-CEDAR	--	--	<u>2/</u>	--	--	<u>2/</u>
ALDER	--	--	1	--	--	1
COTTONWOOD	--	<u>2/</u>	<u>2/</u>	--	--	<u>2/</u>
OAKS	--	--	<u>2/</u>	--	--	<u>2/</u>
HARDWOODS	6	--	3	--	--	9
UNCLASSIFIED	2	--	--	--	--	2
ALL TYPES	245	15	51	--	<u>2/</u>	310

^{1/}Totals may be off because of rounding.

^{2/}Less than 500 acres.

Table 7 — Volume of timber on timberland by class of timber and by softwoods and hardwoods, western Oregon, January 1, 1977 ^{1/}

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>MILLION CUBIC FEET</u>		
SAWTIMBER TREES:			
SAW-LOG PORTION	45,022	2,654	47,676
UPPER-STEM PORTION	3,536	387	3,923
TOTAL	48,558	3,039	51,596
POLETIMBER TREES	3,011	1,720	4,731
ALL GROWING STOCK	51,566	4,760	56,327
SOUND CULL TREES	198	548	746
ROTTEN CULL TREES	1,327	297	1,623
SALVABLE DEAD TREES	965	14	978
ALL TIMBER	54,054	5,621	59,675

^{1/}Totals may be off because of rounding.

Table 8— Volume of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, western Oregon, January 1, 1977 ^{1/}

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>CUBIC FEET PER ACRE</u>	<u>MILLION CUBIC FEET</u>		
GROWING STOCK: ^{2/}				
NATIONAL FOREST	6,210	27,618	857	28,475
BUREAU OF LAND MANAGEMENT	4,607	8,566	633	9,200
OTHER PUBLIC	3,220	2,220	559	2,779
FOREST INDUSTRY	2,808	9,388	1,229	10,616
OTHER PRIVATE	2,153	3,775	1,483	5,257
ALL OWNERSHIPS	4,121	51,566	4,760	56,327
	<u>BOARD FEET PER ACRE</u>	<u>MILLION BOARD FEET</u>		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}				
NATIONAL FOREST	35,901	161,120	3,485	164,605
BUREAU OF LAND MANAGEMENT	26,456	50,705	2,127	52,833
OTHER PUBLIC	16,604	12,441	1,888	14,329
FOREST INDUSTRY	15,081	53,288	3,720	57,008
OTHER PRIVATE	9,879	19,661	4,465	24,125
ALL OWNERSHIPS	22,895	297,215	15,685	312,900
	<u>BOARD FEET PER ACRE</u>	<u>MILLION BOARD FEET</u>		
SAWTIMBER (SCRIBNER RULE): ^{4/}				
NATIONAL FOREST	28,408	127,692	2,560	130,252
BUREAU OF LAND MANAGEMENT	23,958	45,774	2,070	47,844
OTHER PUBLIC	11,733	8,629	1,497	10,126
FOREST INDUSTRY	10,726	37,549	2,996	40,544
OTHER PRIVATE	6,799	12,969	3,635	16,604
ALL OWNERSHIPS	17,953	232,613	12,757	245,370

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

^{4/}Includes trees 11.0-inch d.b.h. and larger.

Table 9 — Volume of growing stock and sawtimber on timberland by county and ownership class, western Oregon, January 1, 1977 ^{1/}

COUNTY	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION CUBIC FEET</u>						
GROWING STOCK: ^{2/}						
BENTON	135	308	154	120	314	1,031
CLACKAMAS	3,153	347	78	210	446	4,234
CLATSOP	--	--	471	653	148	1,272
COLUMBIA	--	29	82	729	307	1,147
COOS	327	1,012	441	999	490	3,269
CURRY	1,782	254	11	214	262	2,529
DOUGLAS	5,537	2,859	189	2,274	436	11,295
HOOD RIVER	919	--	83	60	58	1,120
JACKSON	1,833	988	13	856	207	3,897
JOSEPHINE	1,102	833	45	81	215	2,276
LANE	7,569	1,150	173	1,556	500	10,948
LINCOLN	1,295	213	138	914	278	2,838
LINN	2,600	447	152	460	571	4,230
MARION	1,161	93	51	96	155	1,556
MULTNOMAH	369	23	10	22	98	522
POLK	--	163	16	462	153	794
TILLAMOOK	501	251	510	442	170	1,874
WASHINGTON	--	15	147	218	244	624
YAMHILL	191	214	15	249	206	875
TOTAL	28,475	9,200	2,779	10,616	5,257	56,327
<u>MILLION BOARD FEET</u>						
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}						
BENTON	795	1,969	788	635	1,674	5,861
CLACKAMAS	17,381	2,051	377	959	2,067	22,835
CLATSOP	--	--	2,273	3,031	722	6,026
COLUMBIA	--	128	511	3,614	1,561	5,814
COOS	2,108	6,215	2,595	5,291	2,417	18,626
CURRY	10,511	1,309	75	876	1,115	13,886
DOUGLAS	32,689	16,514	1,100	13,921	1,670	65,894
HOOD RIVER	4,907	--	390	285	293	5,875
JACKSON	9,622	4,925	66	4,591	957	20,161
JOSEPHINE	6,065	4,340	199	384	696	11,684
LANE	45,236	6,494	1,038	8,864	2,211	63,843
LINCOLN	7,268	1,396	787	4,560	1,284	15,295
LINN	15,497	2,846	777	2,711	3,128	24,959
MARION	6,610	585	247	440	667	8,549
MULTNOMAH	2,066	123	53	98	463	2,803
POLK	--	1,032	78	2,357	563	4,030
TILLAMOOK	2,790	1,543	2,245	2,079	876	9,533
WASHINGTON	--	61	655	1,025	1,004	2,745
YAMHILL	1,061	1,300	78	1,280	759	4,475
TOTAL	164,605	52,833	14,329	57,008	24,125	312,900
<u>MILLION BOARD FEET</u>						
SAWTIMBER (SCRIBNER RULE): ^{4/}						
BENTON	662	1,740	541	441	1,210	4,594
CLACKAMAS	13,523	1,727	241	555	1,440	17,486
CLATSOP	--	--	1,584	1,899	528	4,011
COLUMBIA	--	89	384	2,328	1,109	3,910
COOS	1,904	5,767	1,933	4,024	1,750	15,378
CURRY	8,303	1,220	62	649	822	11,056
DOUGLAS	25,488	15,306	844	10,730	1,088	53,456
HOOD RIVER	3,820	--	245	173	206	4,444
JACKSON	7,433	4,405	45	3,211	552	15,646
JOSEPHINE	4,769	3,916	131	244	423	9,483
LANE	36,284	5,827	808	6,463	1,401	50,783
LINCOLN	5,826	1,253	603	3,157	899	11,738
LINN	12,396	2,536	535	1,997	2,282	19,746
MARION	5,187	506	160	256	451	6,560
MULTNOMAH	1,719	102	35	57	331	2,244
POLK	--	913	52	1,550	356	2,871
TILLAMOOK	2,165	1,362	1,479	1,302	640	6,948
WASHINGTON	--	42	392	658	628	1,720
YAMHILL	772	1,134	52	846	486	3,290
TOTAL	130,252	47,844	10,126	40,544	16,604	245,370

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwoods trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

^{4/}Includes trees 11.0-inch d.b.h. and larger.

Table 10— Volume of growing stock on timberland by species and ownership class, western Oregon, January 1, 1977^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION CUBIC FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	17,803	6,937	1,506	6,651	2,698	35,595
WESTERN HEMLOCK	3,674	665	567	1,646	344	6,896
TRUE FIRS ^{2/}	1,917	284	33	304	120	2,658
WESTERN REDCEDAR	599	157	31	258	193	1,238
PACIFIC SILVER FIR	959	16	--	12	--	987
SUGAR PINE	440	155	<u>3/</u>	65	7	667
PONDEROSA PINE	221	185	5	85	64	560
MOUNTAIN HEMLOCK	525	5	--	--	--	530
INCENSE-CEDAR	207	124	8	88	97	525
WESTERN WHITE PINE	313	4	--	--	--	317
SHASTA RED FIR	247	--	--	--	2	249
LODGEPOLE PINE	206	--	8	--	23	237
JEFFREY PINE	--	--	2	42	--	44
REDWOOD	47	--	--	15	--	52
WESTERN LARCH	34	--	--	--	--	34
OTHER SOFTWOODS ^{4/}	437	34	60	220	227	978
TOTAL	27,618	8,566	2,220	9,388	3,775	51,566
HARDWOODS:						
RED ALDER	429	195	475	815	633	2,547
WHITE ALDER	--	--	--	10	3	13
OTHER HARDWOODS ^{5/}	428	438	84	405	849	2,200
TOTAL	857	633	559	1,229	1,483	4,760
ALL SPECIES	28,475	9,200	2,779	10,616	5,257	56,327

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Less than 500,000 cubic feet.

^{4/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{5/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 11 — Volume of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, western Oregon, January 1, 1977 ^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	110,239	41,942	8,568	39,126	13,954	213,830
WESTERN HEMLOCK	18,280	3,707	3,202	8,173	1,820	35,181
TRUE FIRS ^{2/}	10,495	1,450	103	1,556	549	14,152
WESTERN REDCEDAR	3,152	803	162	1,495	1,043	6,655
PACIFIC SILVER FIR	4,457	88	--	26	--	4,571
SUGAR PINE	2,800	891	--	416	39	4,146
PONDEROSA PINE	1,319	1,031	28	519	342	3,239
INCENSE-CEDAR	1,090	571	44	447	507	2,659
MOUNTAIN HEMLOCK	2,552	23	--	--	--	2,575
WESTERN WHITE PINE	1,758	20	--	--	--	1,778
SHASTA RED FIR	1,457	--	--	--	7	1,464
LODGEPOLE PINE	534	--	20	--	110	663
REDWOOD	253	--	--	87	--	340
JEFFREY PINE	--	--	15	232	--	247
WESTERN LARCH	188	--	--	--	--	188
OTHER SOFTWOODS ^{3/}	2,549	178	299	1,213	1,291	5,530
TOTAL	161,120	50,705	12,441	53,288	19,661	297,215
HARDWOODS:						
RED ALDER	2,070	800	1,633	2,474	1,926	8,904
WHITE ALDER	--	--	--	58	13	71
OTHER HARDWOODS ^{4/}	1,415	1,326	255	1,188	2,526	6,710
TOTAL	3,485	2,127	1,888	3,720	4,465	15,685
ALL SPECIES	164,605	52,833	14,329	57,008	24,125	312,900

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 12 — Volume of sawtimber, Scribner rule on timberland by species and ownership class, western Oregon, January 1, 1977 ^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
SOFTWOODS:						
DOUGLAS-FIR	89,275	38,048	6,036	28,364	9,297	171,021
WESTERN HEMLOCK	13,867	3,150	2,208	5,077	1,144	25,445
TRUE FIRS ^{2/}	8,065	1,292	49	957	322	10,685
WESTERN REDCEDAR	2,424	714	113	1,092	649	4,991
SUGAR PINE	2,255	833	--	313	27	3,428
PACIFIC SILVER FIR	3,166	72	--	17	--	3,255
PONDEROSA PINE	1,073	938	12	380	211	2,615
INCENSE-CEDAR	763	520	29	313	329	1,954
MOUNTAIN HEMLOCK	1,889	16	--	--	--	1,905
WESTERN WHITE PINE	1,338	17	--	--	--	1,355
SHASTA RED FIR	1,124	--	--	--	2	1,126
LODGEPOLE PINE	290	--	2	--	60	352
REDWOOD	203	--	--	74	--	277
JEFFREY PINE	--	--	11	141	--	152
WESTERN LARCH	141	--	--	--	--	141
OTHER SOFTWOODS ^{3/}	1,821	173	169	822	930	3,914
TOTAL	127,692	45,774	8,629	37,549	12,969	232,613
HARDWOODS:						
RED ALDER	1,395	779	1,293	1,964	1,529	6,960
WHITE ALDER	--	--	--	47	10	57
OTHER HARDWOODS ^{4/}	1,165	1,290	203	985	2,096	5,740
TOTAL	2,560	2,070	1,497	2,996	3,635	12,757
ALL SPECIES	130,252	47,844	10,126	40,544	16,604	245,370

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 13 — Volume of growing stock on timberland by species and diameter class, western Oregon, January 1, 1977^{1/}

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- 28.9	29.0- 38.9	39.0- PLUS	
	MILLION CUBIC FEET											
SOFTWOODS:												
DOUGLAS-FIR	628	996	1,146	1,525	1,577	1,630	1,799	1,725	6,520	7,265	10,784	35,595
WESTERN HEMLOCK	290	401	518	522	541	555	490	490	1,564	1,006	523	6,896
TRUE FIRS ^{2/}	88	134	149	185	182	191	182	191	600	442	315	2,658
WESTERN REDCEDAR	26	52	64	53	56	55	82	72	233	226	318	1,238
PACIFIC SILVER FIR	46	73	90	85	113	104	105	80	208	72	13	987
SUGAR PINE	8	4	8	14	16	12	12	28	105	177	285	667
PONDEROSA PINE	7	12	18	23	24	24	30	35	122	132	135	560
MOUNTAIN HEMLOCK	10	17	27	43	45	49	53	66	153	58	8	530
INCENSE-CEDAR	13	15	16	20	28	20	38	24	105	127	119	525
WESTERN WHITE PINE	7	11	13	14	22	18	23	21	103	52	33	317
SHASTA RED FIR	5	7	9	13	14	13	14	17	61	50	46	249
LODGEPOLE PINE	33	48	48	46	26	19	9	4	5	--	--	237
JEFFREY PINE	--	--	3	1	3	21	4	--	10	1	1	44
WESTERN LARCH	1	2	3	1	3	4	5	3	7	4	1	34
REDWOOD	--	--	1	--	2	2	2	3	6	15	24	52
OTHER SOFTWOODS ^{3/}	36	45	48	69	46	49	73	32	161	174	245	978
TOTAL	1,195	1,817	2,161	2,611	2,698	2,767	2,923	2,789	9,963	9,801	12,847	51,566
HARDWOODS:												
RED ALDER	199	266	379	364	372	297	250	160	241	20	--	2,547
WHITE ALDER	--	--	--	1	2	1	7	3	--	--	--	13
OTHER HARDWOODS ^{4/}	264	320	305	303	227	152	135	123	229	114	31	2,200
TOTAL	461	584	684	668	601	449	391	288	472	133	30	4,760
ALL SPECIES	1,656	2,401	2,844	3,279	3,299	3,216	3,314	3,077	10,435	9,934	12,877	56,327

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 14 — Volume of sawtimber, International 1/4-inch rule, on timberland by species and diameter class, western Oregon, January 1, 1977 ^{1/}

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)									
	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- 28.9	29.0- 38.9	39.0- PLUS	ALL CLASSES
	MILLION BOARD FEET									
SOFTWOODS:										
DOUGLAS-FIR	5,128	7,565	8,573	9,433	10,795	10,597	41,359	47,161	73,220	213,830
WESTERN HEMLOCK	2,208	2,592	2,913	3,085	2,799	2,802	9,233	6,167	3,382	35,181
TRUE FIRS ^{2/}	555	887	942	1,061	1,033	1,079	3,692	2,850	2,058	14,152
WESTERN REDCEDAR	255	228	265	280	455	386	1,366	1,374	2,046	6,655
PACIFIC SILVER FIR	366	405	581	548	561	434	1,160	438	80	4,571
SUGAR PINE	41	53	79	63	71	149	644	1,139	1,908	4,146
PONDEROSA PINE	59	97	100	135	161	208	742	842	894	3,239
INCENSE-CEDAR	50	64	115	93	178	119	581	742	716	2,659
MOUNTAIN HEMLOCK	107	184	213	241	268	342	825	345	50	2,575
WESTERN WHITE PINE	53	60	115	100	122	135	638	338	217	1,778
SHASTA RED FIR	34	55	68	78	81	97	392	334	324	1,464
LODGEPOLE PINE	130	201	135	99	46	28	22	2	--	663
JEFFREY PINE	11	5	16	119	22	--	64	5	4	247
WESTERN LARCH	14	5	16	23	34	18	44	27	7	188
REDWOOD	2	--	8	9	7	18	37	96	163	340
OTHER SOFTWOODS ^{3/}	206	318	240	260	417	195	1,010	1,161	1,726	5,530
TOTAL	9,216	12,722	14,379	15,630	17,050	16,604	61,806	63,018	86,792	297,215
HARDWOODS:										
RED ALDER	--	1,601	1,872	1,594	1,390	925	1,411	110	3	8,904
WHITE ALDER	--	4	8	2	42	16	--	--	--	71
OTHER HARDWOODS ^{4/}	--	1,238	1,051	759	707	694	1,345	731	185	6,710
TOTAL	--	2,845	2,930	2,354	2,139	1,634	2,756	841	188	15,685
ALL SPECIES	9,216	15,567	17,309	17,984	19,189	18,237	64,562	63,859	86,981	312,900

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 15 — Volume of sawtimber, Scribner rule, on timberland by species and diameter class, western Oregon, January 1, 1977 ^{1/}

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0- 38.9	39.0 PLUS	ALL CLASSES
<u>MILLION BOARD FEET</u>									
SOFTWOODS:									
DOUGLAS-FIR	4,441	5,613	6,519	7,798	7,986	33,320	40,266	65,077	171,021
WESTERN HEMLOCK	1,594	1,940	2,118	2,052	2,123	7,403	5,262	2,953	25,445
TRUE FIRS ^{2/}	555	627	726	749	805	2,971	2,440	1,808	10,685
WESTERN REDCEDAR	139	163	185	303	271	1,056	1,126	1,747	4,991
SUGAR PINE	37	52	48	53	111	516	950	1,658	3,428
PACIFIC SILVER FIR	265	415	399	421	340	962	383	71	3,255
PONDEROSA PINE	53	67	92	121	159	613	733	779	2,615
INCENSE-CEDAR	34	64	59	111	85	429	591	582	1,954
MOUNTAIN HEMLOCK	120	147	175	198	259	668	295	44	1,905
WESTERN WHITE PINE	42	77	70	90	100	503	285	187	1,355
SHASTA RED FIR	35	44	52	56	70	305	280	284	1,126
OTHER SOFTWOODS ^{3/}	170	141	167	274	132	741	884	1,408	3,914
LODGEPOLE PINE	126	92	68	30	17	16	2	--	352
JEFFREY PINE	3	9	73	14	--	46	4	3	152
WESTERN LARCH	3	13	17	25	14	38	24	7	141
REDWOOD	--	6	6	6	14	28	79	138	277
TOTAL	7,616	9,469	10,772	12,300	12,486	49,616	53,605	76,746	232,613
HARDWOODS:									
RED ALDER	1,169	1,410	1,236	1,112	753	1,181	98	3	6,960
WHITE ALDER	3	6	1	34	13	--	--	--	57
OTHER HARDWOODS ^{4/}	989	855	638	607	577	1,214	691	175	5,740
TOTAL	2,158	2,270	1,877	1,752	1,343	2,394	788	178	12,757
ALL SPECIES	9,774	11,739	12,649	14,052	13,829	52,010	54,392	76,924	245,370

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 16 — Net annual growth of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, western Oregon, 1976 ^{1/}

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>CUBIC FEET</u> <u>PER ACRE</u>	<u>THOUSAND CUBIC FEET</u>		
GROWING STOCK: ^{2/}				
NATIONAL FOREST	43	185,095	10,755	195,850
BUREAU OF LAND MANAGEMENT	57	94,761	18,078	112,839
OTHER PUBLIC	109	72,779	21,050	93,829
FOREST INDUSTRY	86	278,043	48,631	326,675
OTHER PRIVATE	82	148,528	50,717	199,244
ALL OWNERSHIPS	68	779,205	149,231	928,436
	<u>BOARD FEET</u> <u>PER ACRE</u>	<u>THOUSAND BOARD FEET</u>		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}				
NATIONAL FOREST	257	1,094,410	83,482	1,177,892
BUREAU OF LAND MANAGEMENT	281	492,319	69,765	562,084
OTHER PUBLIC	539	400,424	64,871	465,296
FOREST INDUSTRY	453	1,544,507	166,860	1,711,367
OTHER PRIVATE	385	780,038	159,249	939,287
ALL OWNERSHIPS	355	4,311,698	544,227	4,855,925

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

Table 17 — Net annual growth of growing stock on timberland by species and ownership class, western Oregon, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND CUBIC FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	111,122	70,744	50,229	175,221	108,666	515,982
WESTERN HEMLOCK	30,295	12,925	18,207	74,475	15,392	151,294
WESTERN REDCEDAR	6,292	2,043	629	3,931	6,674	19,569
TRUE FIRS 2/	18,521	5,498	1,387	11,526	6,018	42,950
PACIFIC SILVER FIR	9,415	219	--	975	--	10,609
MOUNTAIN HEMLOCK	7,474	38	--	--	--	7,512
PONDEROSA PINE	1,952	1,509	3/-32	1,047	1,288	5,764
INCENSE-CEDAR	1,780	930	8	1,040	1,450	5,209
LOGEPOLE PINE	2,636	--	699	--	3/-130	3,205
SUGAR PINE	1,627	242	3/-174	502	161	2,358
SHASTA RED FIR	1,560	--	--	--	71	1,631
REDWOOD	260	--	--	617	--	877
JEFFREY PINE	--	--	29	237	--	266
WESTERN LARCH	3/-62	--	--	--	--	3/-62
WESTERN WHITE PINE	3/-12,513	3/-35	--	--	--	3/-12,548
OTHER SOFTWOODS 4/	4,736	648	1,798	8,472	8,938	24,592
TOTAL	185,095	94,761	72,779	278,043	148,528	779,205
HARDWOODS:						
RED ALDER	2,935	4,735	19,006	41,015	27,847	95,538
WHITE ALDER	--	--	--	200	45	245
OTHER HARDWOODS 5/	7,820	13,343	2,044	7,419	22,824	53,449
TOTAL	10,755	18,078	21,050	48,631	50,717	149,231
ALL SPECIES	195,850	112,839	93,829	326,675	199,244	928,436

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Negative net annual growth is the result of net annual mortality exceeding gross annual growth.

^{4/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann spruce and Sitka spruce.

^{5/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, California laurel.

Table 18 — Net annual growth of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, western Oregon, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	705,209	385,701	272,739	990,018	550,378	2,904,045
WESTERN HEMLOCK	125,920	54,386	103,135	388,501	85,548	757,490
WESTERN REDCEDAR	34,048	9,390	3,546	23,026	43,419	113,429
TRUE FIRS ^{2/}	127,605	27,003	5,625	71,864	30,048	262,145
MOUNTAIN HEMLOCK	41,355	213	--	--	--	41,568
PONDEROSA PINE	10,934	6,325	477	7,156	10,596	35,488
INCENSE-CEDAR	9,181	3,080	270	3,943	8,294	24,768
PACIFIC SILVER FIR	35,840	1,360	--	2,114	--	39,314
SUGAR PINE	10,845	2,075	<u>3/-1,330</u>	3,197	920	15,707
LODGEPOLE PINE	11,451	--	2,561	--	<u>3/-1,910</u>	12,102
SHASTA RED FIR	10,607	--	--	--	762	11,369
JEFFREY PINE	--	--	194	1,972	--	2,166
REDWOOD	1,900	--	--	3,706	--	5,606
WESTERN LARCH	<u>3/-748</u>	--	--	--	--	<u>3/-748</u>
WESTERN WHITE PINE	<u>3/-59,101</u>	<u>3/-10</u>	--	--	--	<u>3/-59,111</u>
OTHER SOFTWOODS ^{4/}	29,364	2,796	13,209	49,011	51,983	146,362
TOTAL	1,094,410	492,319	400,424	1,544,507	780,038	4,311,698
HARDWOODS:						
RED ALDER	52,111	25,277	55,797	126,866	75,571	335,622
WHITE ALDER	--	--	--	1,382	543	1,924
OTHER HARDWOODS ^{5/}	31,371	44,488	9,074	38,613	83,138	206,681
TOTAL	83,482	69,765	64,871	166,860	159,249	544,227
ALL SPECIES	1,177,892	562,084	465,296	1,711,367	939,287	4,855,925

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Negative net annual growth is the result of net annual mortality exceeding gross annual growth.

^{4/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann spruce and Sitka spruce.

^{5/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, California laurel.

Table 19 — Average annual mortality of growing stock on timberland by species and ownership class, western Oregon, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
SOFTWOODS:						
DOUGLAS-FIR	53,499	42,089	2,756	26,017	9,648	134,009
WESTERN HEMLOCK	14,689	2,211	1,112	5,585	995	24,592
WESTERN WHITE PINE	13,259	120	--	--	--	13,379
TRUE FIRS ^{2/}	11,439	2,750	466	2,588	441	17,683
SUGAR PINE	3,177	1,716	195	516	--	5,604
PACIFIC SILVER FIR	5,465	--	--	--	--	5,465
PONDEROSA PINE	1,763	1,350	197	589	654	4,552
WESTERN REDCEDAR	1,330	449	198	1,481	392	3,850
LOGSPOLE PINE	1,947	--	--	--	977	2,924
MOUNTAIN HEMLOCK	1,700	--	--	--	--	1,700
INCENSE-CEDAR	257	758	95	377	119	1,606
SHASTA RED FIR	1,565	--	--	--	--	1,565
WESTERN LARCH	512	--	--	--	--	512
JEFFREY PINE	--	--	--	365	--	365
REDWOOD	100	--	--	--	--	100
OTHER SOFTWOODS ^{3/}	1,022	--	511	1,567	612	3,711
TOTAL	111,724	51,443	5,530	39,085	13,837	221,618
HARDWOODS:						
RED ALDER	5,753	910	3,930	6,625	7,102	24,320
OTHER HARDWOODS ^{4/}	751	1,947	678	5,935	8,494	17,804
TOTAL	6,504	2,857	4,608	12,561	15,595	42,125
ALL SPECIES	118,228	54,300	10,138	51,645	29,432	263,743

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 20— Average annual mortality of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, western Oregon, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS	THOUSAND BOARD FEET						
SOFTWOODS:													
DOUGLAS-FIR	329,432	238,044	13,831	142,410	44,010	767,727							
WESTERN HEMLOCK	67,544	12,455	4,468	27,669	4,640	116,776							
WESTERN WHITE PINE	77,311	910	--	--	--	78,221							
TRUE FIRS ^{2/}	62,385	14,590	1,189	11,049	1,882	91,095							
SUGAR PINE	21,108	8,702	1,330	3,182	--	34,322							
PACIFIC SILVER FIR	24,808	--	--	--	--	24,808							
WESTERN REDCEDAR	6,684	2,272	615	5,387	1,814	16,771							
PONDEROSA PINE	4,286	6,834	961	2,463	1,195	15,738							
SHASTA RED FIR	10,356	--	--	--	--	10,356							
LODGEPOLE PINE	4,889	--	--	--	5,348	10,237							
MOUNTAIN HEMLOCK	7,793	--	--	--	--	7,793							
INCENSE-CEDAR	1,342	2,782	443	1,253	363	6,182							
WESTERN LARCH	2,791	--	--	--	--	2,791							
JEFFREY PINE	--	--	--	1,919	--	1,919							
REDWOOD	700	--	--	--	--	700							
OTHER SOFTWOODS ^{3/}	5,685	314	1,119	7,062	583	14,763							
TOTAL	627,114	286,903	23,956	202,390	59,835	1,200,198							
HARDWOODS:													
RED ALDER	23,968	3,143	12,443	16,582	19,016	75,151							
OTHER HARDWOODS ^{4/}	3,681	4,230	1,680	9,605	19,716	38,913							
TOTAL	27,649	7,373	14,122	26,186	38,732	114,063							
ALL SPECIES	654,763	294,276	38,078	228,576	98,567	1,314,261							

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 21 — Area by county and land class, northwest Oregon, January 1, 1977 ^{1/}

COUNTY	FOREST LAND					NONFOREST LAND ^{2/}	ALL LANDS ^{3/}
	TIMBERLAND	DEFERRED TIMBERLAND	RESERVED TIMBERLAND	OTHER	TOTAL		
	THOUSAND ACRES						
CLACKAMAS	846	--	2	52	900	307	1,207
CLATSOP	415	--	5	11	431	84	515
COLUMBIA	305	--	1	3	309	99	408
HOOD RIVER	223	--	6	40	269	66	335
MARION	314	--	14	39	367	378	745
MULTNOMAH	111	--	8	15	134	137	271
POLK	254	--	1	3	258	213	471
TILLAMOOK	606	--	5	4	615	98	713
WASHINGTON	234	--	1	2	237	228	465
YAMHILL	240	--	4/	1	241	214	455
TOTAL	3,548	--	43	170	3,761	1,824	5,585

^{1/}Totals may be off because of rounding.

^{2/}Includes cropland, pasture and range, swampland, industrial and urban areas, powerline clearings, railroads, and all improved roads and highways, and acres classified as water by Forest Survey standards, but defined by the Bureau of Census as land.

^{3/}Source: United States Bureau of the Census, Land and Water Area of the United States, 1970.

^{4/}Less than 500 acres.

Table 22 — Area of timberland by county and ownership class, northwest Oregon, January 1, 1977 ^{1/}

COUNTY	PUBLIC				PRIVATE				ALL OWNERSHIPS
	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER	TOTAL	FOREST INDUSTRY	FARMER OWNED	MISCELLANEOUS	TOTAL	
	THOUSAND ACRES								
CLACKAMAS	473	55	27	555	119	52	120	291	846
CLATSOP	--	--	136	136	226	15	38	279	415
COLUMBIA	--	10	12	22	190	28	65	283	305
HOOD RIVER	151	--	26	177	30	5	11	46	223
MARION	156	19	22	197	49	22	46	117	314
MULTNOMAH	53	5	6	64	10	9	27	47	111
POLK	2/	37	6	43	130	48	32	211	254
TILLAMOOK	78	46	282	406	150	17	34	200	606
WASHINGTON	--	12	52	64	73	53	44	170	234
YAMHILL	25	43	6	74	65	69	31	166	240
TOTAL	936	226	575	1,738	1,042	318	448	1,810	3,548

^{1/}Totals may be off because of rounding.

^{2/}Less than 500 acres.

Table 23 — Area of timberland by cubic-foot site and ownership classes, northwest Oregon, January 1, 1977 ^{1/}

SITE CLASS ^{2/}	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>CUBIC FEET</u> <u>THOUSAND ACRES</u>						
225 OR MORE	20	4	46	85	25	180
165 TO 224	91	25	64	216	60	456
120 TO 164	271	143	352	628	451	1,845
85 TO 119	209	42	88	85	176	599
50 TO 84	339	13	25	28	49	454
20 TO 49	6	--	--	--	7	13
ALL CLASSES	936	227	575	1,042	766	3,546

^{1/}Totals may be off because of rounding.

^{2/}Capacity for cubic-foot annual growth per acre at culmination of mean annual growth in fully stocked natural stands.

Table 24 — Area of timberland by stand-size and ownership classes, northwest Oregon, January 1, 1977 ^{1/}

STAND-SIZE CLASS	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND ACRES</u>						
SAWTIMBER STANDS:						
LARGE SAWTIMBER ^{2/}	378	63	47	61	97	646
SMALL SAWTIMBER ^{3/}	300	73	239	557	338	1,507
TOTAL	678	136	286	618	435	2,153
POLETIMBER STANDS:						
SAPLING AND SEEDLING STANDS	113	17	134	127	117	508
NONSTOCKED AREAS	111	63	137	280	87	678
	34	10	17	18	128	206
ALL CLASSES	936	226	575	1,042	766	3,546

^{1/}Totals may be off because of rounding.

^{2/}Large sawtimber includes trees 21.0-inch d.b.h. and larger.

^{3/}Small sawtimber includes softwood trees 9.0- to 20.9-inch d.b.h. and hardwood trees 11.0- to 20.9-inch d.b.h.

Table 25 — Area of timberland by forest type and ownership class, northwest Oregon, January 1, 1977^{1/}

FOREST TYPE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
	<u>THOUSAND ACRES</u>					
DOUGLAS-FIR	443	171	412	681	301	2,007
WESTERN HEMLOCK	197	18	--	--	--	215
SITKA SPRUCE	5	--	25	109	22	160
PACIFIC SILVER FIR	100	--	--	4	--	104
WESTERN REDCEDAR	12	2	3	12	31	60
GRAND FIR	19	--	--	27	7	53
LOGEPOLE PINE	30	--	8	--	--	38
MOUNTAIN HEMLOCK	34	--	--	--	--	34
NOBLE FIR	13	--	--	10	--	23
PONDEROSA PINE	6	--	--	--	--	6
WHITEBARK PINE	2	--	--	--	--	2
ENGELMANN SPRUCE	2	--	--	--	--	2
RED ALDER	39	22	110	183	200	554
MAPLE	--	3	--	--	64	67
OREGON WHITE OAK	--	--	--	--	54	53
COTTONWOOD	--	--	--	--	9	9
OTHER HARDWOODS	--	--	--	--	21	21
NONCOMMERCIAL HARDWOODS	--	1	--	--	21	22
UNCLASSIFIED ^{2/}	34	10	17	18	39	117
ALL TYPES	936	227	575	1,042	766	3,546

^{1/}Totals may be off because of rounding.

^{2/}Unclassified type is less than 10 percent stocked with live trees.

Table 26 — Area of reserved timberland by forest type and ownership class, northwest Oregon, January 1, 1977 ^{1/}

FOREST TYPE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
	<u>THOUSAND ACRES</u>					
TIMBERLAND:						
DOUGLAS-FIR	1	--	22	--	--	23
PACIFIC SILVER FIR	8	--	--	--	--	8
TRUE FIRS	--	--	<u>2/</u>	--	--	<u>2/</u>
PONDEROSA PINE	1	--	<u>2/</u>	--	--	<u>1</u>
LODGEPOLE PINE	--	--	<u>2/</u>	--	--	<u>2/</u>
SITKA SPRUCE	--	--	4	--	<u>2/</u>	<u>4</u>
HEMLOCK	--	--	4	--	--	4
RED ALDER	--	--	<u>2/</u>	--	--	<u>2/</u>
COTTONWOOD AND ASPEN	--	--	<u>2/</u>	--	--	<u>2/</u>
OAKS	--	--	<u>2/</u>	--	--	<u>2/</u>
OTHER HARDWOODS	--	--	3	--	--	3
ALL TYPES	10	--	33	--	<u>2/</u>	43

^{1/}Totals may be off because of rounding.

^{2/}Less than 500 acres.

Table 27 — Volume of timber on timberland by class of timber and by softwoods and hardwoods, northwest Oregon, January 1, 1977 ^{1/}

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>MILLION CUBIC FEET</u>		
SAWTIMBER TREES:			
SAW-LOG PORTION	9,691	866	10,557
UPPER-STEM PORTION	<u>1,727</u>	<u>142</u>	<u>1,869</u>
TOTAL	11,419	1,007	12,426
POLETIMBER TREES	<u>993</u>	<u>603</u>	<u>1,596</u>
ALL GROWING STOCK	12,411	1,610	14,021
SOUND CULL TREES	46	86	132
ROTTEN CULL TREES	182	52	234
SALVABLE DEAD TREES	<u>146</u>	<u>10</u>	<u>155</u>
ALL TIMBER	12,786	1,758	14,543

^{1/}Totals may be off because of rounding.

Table 28— Volume of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, northwest Oregon, January 1, 1977 ^{1/}

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>CUBIC FEET PER ACRE</u>	<u>MILLION CUBIC FEET</u>		
GROWING STOCK: ^{2/}				
NATIONAL FOREST	6,724	6,158	136	6,294
BUREAU OF LAND MANAGEMENT	5,004	1,053	83	1,136
OTHER PUBLIC	2,546	1,193	271	1,464
FOREST INDUSTRY	3,015	2,687	455	3,142
OTHER PRIVATE	2,593	1,320	666	1,986
ALL OWNERSHIPS	3,954	12,411	1,610	14,021
	<u>BOARD FEET PER ACRE</u>	<u>MILLION BOARD FEET</u>		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}				
NATIONAL FOREST	37,194	34,234	580	34,814
BUREAU OF LAND MANAGEMENT	30,066	6,471	354	6,825
OTHER PUBLIC	12,012	6,263	644	6,907
FOREST INDUSTRY	14,558	13,684	1,485	15,169
OTHER PRIVATE	11,717	6,963	2,013	8,975
ALL OWNERSHIPS	20,499	67,614	5,076	72,690
	<u>BOARD FEET PER ACRE</u>	<u>MILLION BOARD FEET</u>		
SAWTIMBER (SCRIBNER RULE): ^{4/}				
NATIONAL FOREST	29,046	26,796	391	27,187
BUREAU OF LAND MANAGEMENT	25,881	5,527	348	5,875
OTHER PUBLIC	8,043	4,118	507	4,625
FOREST INDUSTRY	9,235	8,449	1,174	9,623
OTHER PRIVATE	8,063	4,532	1,645	6,176
ALL OWNERSHIPS	15,083	49,421	4,064	53,485

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

^{4/}Includes trees 11.0-inch d.b.h. and larger.

Table 29 — Volume of growing stock and sawtimber on timberland by county and ownership class, northwest Oregon, January, 1977 ^{1/}

COUNTY	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION CUBIC FEET</u>						
GROWING STOCK: ^{2/}						
CLACKAMAS	3,153	347	78	210	446	4,234
CLATSOP	--	--	471	653	148	1,272
COLUMBIA	--	29	82	729	307	1,147
HOOD RIVER	919	--	83	60	58	1,120
MARION	1,161	93	51	96	155	1,556
MULTNOMAH	369	23	10	22	98	522
POLK	--	163	16	462	153	794
TILLAMOOK	501	251	510	442	170	1,874
WASHINGTON	--	15	147	218	244	624
YAMHILL	191	214	15	249	206	875
TOTAL	6,294	1,136	1,464	3,142	1,986	14,021
<u>MILLION BOARD FEET</u>						
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}						
CLACKAMAS	17,381	2,051	377	959	2,067	22,835
CLATSOP	--	--	2,273	3,031	722	6,026
COLUMBIA	--	128	511	3,614	1,561	5,814
HOOD RIVER	4,907	--	390	285	293	5,875
MARION	6,610	585	247	440	667	8,549
MULTNOMAH	2,066	123	53	98	463	2,803
POLK	--	1,032	78	2,357	563	4,030
TILLAMOOK	2,790	1,543	2,245	2,079	876	9,533
WASHINGTON	--	61	655	1,025	1,004	2,745
YAMHILL	1,061	1,300	78	1,280	759	4,478
TOTAL	34,814	6,825	6,907	15,169	8,975	72,690
<u>MILLION BOARD FEET</u>						
SAWTIMBER (SCRIBNER RULE): ^{4/}						
CLACKAMAS	13,523	1,727	241	555	1,440	17,486
CLATSOP	--	--	1,584	1,899	528	4,011
COLUMBIA	--	89	384	2,328	1,109	3,910
HOOD RIVER	3,820	--	245	173	206	4,444
MARION	5,187	506	160	256	451	6,560
MULTNOMAH	1,719	102	35	57	331	2,244
POLK	--	913	52	1,550	356	2,871
TILLAMOOK	2,165	1,362	1,479	1,302	640	6,948
WASHINGTON	--	42	392	658	628	1,720
YAMHILL	772	1,134	52	846	486	3,290
TOTAL	27,187	5,875	4,625	9,623	6,176	53,485

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwoods trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

^{4/}Includes trees 11.0-inch d.b.h. and larger.

Table 30—Volume of growing stock on timberland by species and ownership class, northwest Oregon, January 1, 1977^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION CUBIC FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	3,220	902	555	1,693	966	7,336
WESTERN HEMLOCK	1,405	107	551	798	123	2,984
PACIFIC SILVER FIR	511	8	--	12	--	531
WESTERN REDCEDAR	196	7	31	39	117	390
SITKA SPRUCE	87	4	20	117	78	305
NOBLE FIR	233	19	2	21	--	275
MOUNTAIN HEMLOCK	185	5	--	--	--	190
GRAND FIR	109	1	26	4	36	176
LODGEPOLE PINE	69	--	8	--	--	77
WESTERN WHITE PINE	37	--	--	--	--	37
WESTERN LARCH	34	--	--	--	--	34
PONDEROSA PINE	22	--	--	2	2	26
ENGELMANN SPRUCE	24	--	--	--	--	24
ALASKA-CEDAR	17	--	--	--	--	17
SUBALPINE FIR	7	--	--	--	--	7
WHITE FIR	1	--	--	--	--	1
INCENSE-CEDAR	1	--	--	--	--	1
TOTAL	6,158	1,053	1,193	2,687	1,320	12,411
HARDWOODS:						
RED ALDER	129	68	234	388	294	1,113
BIGLEAF MAPLE	6	14	37	65	182	304
OREGON WHITE OAK	--	--	--	3	122	124
BLACK COTTONWOOD	--	1	--	--	46	47
OREGON ASH	--	--	--	--	22	22
GOLDEN CHINKAPIN	1	--	--	--	--	1
TOTAL	136	83	271	455	666	1,610
ALL SPECIES	6,294	1,136	1,464	3,142	1,986	14,021

^{1/}Totals may be off due to rounding.

Table 31 — Volume of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, northwest Oregon, January 1, 1977^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	19,183	5,633	2,732	9,015	4,939	41,502
WESTERN HEMLOCK	7,163	589	3,143	3,757	672	15,323
PACIFIC SILVER FIR	2,411	43	—	26	—	2,480
WESTERN REDCEDAR	1,122	31	162	170	625	2,110
SITKA SPRUCE	579	25	123	605	544	1,875
NOBLE FIR	1,366	124	8	82	—	1,580
MOUNTAIN HEMLOCK	917	21	—	—	—	938
GRAND FIR	539	5	76	16	173	809
WESTERN WHITE PINE	204	1	—	—	—	205
LODGEPOLE PINE	176	—	20	—	—	196
WESTERN LARCH	188	—	—	—	—	188
PONDEROSA PINE	146	—	—	14	10	170
ENGELMANN SPRUCE	118	—	—	—	—	118
ALASKA-CEDAR	78	—	—	—	—	78
SUBALPINE FIR	36	—	—	—	—	36
INCENSE-CEDAR	5	—	—	—	—	5
WHITE FIR	3	—	—	—	—	3
TOTAL	34,234	6,471	6,263	13,684	6,963	67,614
HARDWOODS:						
RED ALDER	560	290	515	1,293	878	3,536
BIGLEAF MAPLE	20	60	129	182	569	960
BLACK COTTONWOOD	—	3	—	—	269	272
OREGON WHITE OAK	—	—	—	11	226	237
OREGON ASH	—	—	—	—	70	70
TOTAL	580	354	644	1,485	2,013	5,076
ALL SPECIES	34,814	6,825	6,907	15,169	8,975	72,690

^{1/}Totals may be off due to rounding.

Table 32 — Volume of sawtimber, Scribner rule, on timberland by species and ownership class, northwest Oregon, January 1, 1977 ^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	15,268	4,837	1,701	5,717	3,187	30,711
WESTERN HEMLOCK	5,578	479	2,170	2,165	422	10,814
PACIFIC SILVER FIR	1,727	36	--	17	--	1,780
WESTERN REDCEDAR	898	26	113	105	380	1,522
SITKA SPRUCE	489	22	90	385	434	1,419
NOBLE FIR	1,096	109	4	40	--	1,249
MOUNTAIN HEMLOCK	675	14	--	--	--	689
GRAND FIR	380	5	37	10	103	536
WESTERN WHITE PINE	152	1	--	--	--	153
PONDEROSA PINE	128	--	--	10	6	144
WESTERN LARCH	141	--	--	--	--	141
LODGEPOLE PINE	90	--	2	--	--	92
ENGELMANN SPRUCE	87	--	--	--	--	87
ALASKA-CEDAR	52	--	--	--	--	52
SUBALPINE FIR	30	--	--	--	--	30
INCENSE-CEDAR	3	--	--	--	--	3
WHITE FIR	2	--	--	--	--	2
TOTAL	26,796	5,527	4,118	8,449	4,532	49,421
HARDWOODS:						
RED ALDER	377	285	404	1,018	697	2,780
BIGLEAF MAPLE	14	59	103	147	461	784
BLACK COTTONWOOD	--	3	--	--	247	250
OREGON WHITE OAK	--	--	--	9	181	189
OREGON ASH	--	--	--	--	61	61
TOTAL	391	348	507	1,174	1,645	4,064
ALL SPECIES	27,187	5,875	4,625	9,623	6,176	53,485

^{1/}Totals may be off due to rounding.

Table 33— Volume of growing stock on timberland by species and diameter class, northwest Oregon, January 1, 1977^{1/}

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- 28.9	29.0- 38.9	39.0- PLUS	
	MILLION CUBIC FEET											
SOFTWOODS:												
DOUGLAS-FIR	167	290	378	561	536	566	576	525	1,607	1,143	987	7,336
WESTERN HEMLOCK	128	169	241	225	246	236	205	204	683	425	226	2,984
PACIFIC SILVER FIR	29	49	47	47	62	57	55	39	101	40	7	531
WESTERN REDCEDAR	10	16	25	17	21	18	33	26	71	62	93	390
SITKA SPRUCE	6	10	11	20	7	11	18	8	37	59	115	305
NOBLE FIR	3	20	14	26	14	18	15	12	59	61	34	275
MOUNTAIN HEMLOCK	5	8	11	16	19	19	22	29	48	11	1	190
GRAND FIR	17	20	19	24	14	20	18	8	23	11	2	176
LODGEPOLE PINE	14	21	16	11	8	4	1	--	2	--	--	77
WESTERN WHITE PINE	1	2	3	3	1	2	2	4	8	6	5	37
WESTERN LARCH	1	2	3	1	3	4	5	3	7	4	1	34
PONDEROSA PINE	--	--	1	2	--	--	2	--	13	7	1	26
ENGELMANN SPRUCE	1	2	1	6	2	4	1	2	2	3	--	24
ALASKA-CEDAR	--	2	2	3	3	1	--	1	2	2	1	17
SUBALPINE FIR	1	1	--	--	1	--	1	1	2	--	--	7
WHITE FIR	--	--	--	--	1	--	--	--	--	--	--	1
INCENSE-CEDAR	--	--	--	--	1	--	--	--	--	--	--	1
TOTAL	382	612	771	960	940	960	955	862	2,664	1,833	1,472	12,411
HARDWOODS:												
RED ALDER	81	141	190	176	165	116	99	46	90	8	--	1,113
BIGLEAF MAPLE	26	49	34	49	43	17	22	14	28	18	3	304
OREGON WHITE OAK	17	14	42	25	10	6	--	4	7	1	--	124
BLACK COTTONWOOD	--	--	--	--	2	3	4	6	8	11	12	47
OREGON ASH	--	2	7	4	1	2	2	--	3	--	--	22
GOLDEN CHINKAPIN	1	--	--	--	--	--	--	--	--	--	--	1
TOTAL	125	205	274	254	221	144	128	70	138	37	15	1,610
ALL SPECIES	507	818	1,045	1,214	1,161	1,104	1,083	932	2,801	1,870	1,487	14,021

^{1/}Totals may be off due to rounding.

Table 34 — Volume of sawtimber, International 1/4-inch rule, on timberland by species and diameter class, northwest Oregon, January 1, 1977 ^{1/}

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)									
	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- 28.9	29.0- 38.9	39.0- PLUS	ALL CLASSES
	MILLION BOARD FEET									
SOFTWOODS:										
DOUGLAS-FIR	1,684	2,776	2,919	3,287	3,478	3,240	10,291	7,390	6,438	41,502
WESTERN HEMLOCK	1,128	1,151	1,372	1,350	1,192	1,161	4,000	2,547	1,422	15,323
PACIFIC SILVER FIR	200	228	325	311	302	222	590	258	46	2,480
WESTERN REDCEDAR	104	78	104	96	187	144	425	384	588	2,110
SITKA SPRUCE	52	102	37	64	110	49	243	400	818	1,875
NOBLE FIR	66	125	82	106	91	74	387	416	234	1,580
MOUNTAIN HEMLOCK	49	78	97	102	115	155	269	67	6	938
GRAND FIR	90	123	82	117	106	50	157	69	15	809
WESTERN WHITE PINE	16	13	8	10	11	29	48	39	31	205
LODGEPOLE PINE	72	45	42	22	4	3	6	2	--	196
WESTERN LARCH	14	5	16	23	34	18	44	27	7	188
PONDEROSA PINE	3	7	--	2	9	2	83	53	11	170
ENGELMANN SPRUCE	8	24	9	20	8	10	19	20	--	118
ALASKA-CEDAR	7	12	15	5	2	6	13	13	5	78
SUBALPINE FIR	--	3	6	3	5	6	13	--	--	36
INCENSE-CEDAR	1	--	1	1	--	--	2	--	--	5
WHITE FIR	--	--	3	--	--	--	--	--	--	3
TOTAL	3,492	4,770	5,116	5,520	5,655	5,168	16,589	11,685	9,620	67,614
HARDWOODS:										
RED ALDER	--	755	818	614	537	254	508	49	3	3,536
BICLEAF MAPLE	--	203	204	81	116	78	154	109	14	960
BLACK COTTONWOOD	--	--	12	15	25	32	45	69	73	272
OREGON WHITE OAK	--	97	48	31	--	20	38	3	--	237
OREGON ASH	--	21	4	12	13	--	21	--	--	70
TOTAL	--	1,076	1,086	753	692	384	766	229	90	5,076
ALL SPECIES	3,492	5,846	6,202	6,273	6,347	5,552	17,355	11,914	9,710	72,690

^{1/}Totals may be off due to rounding.

Table 35— Volume of sawtimber, Scribner rule, on timberland by species and diameter class, northwest Oregon, January 1, 1977 ^{1/}

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0- 38.9	39.0 PLUS	ALL CLASSES
	<u>MILLION BOARD FEET</u>								
SOFTWOODS:									
DOUGLAS-FIR	1,558	1,850	2,214	2,457	2,387	8,182	6,292	5,771	30,711
WESTERN HEMLOCK	686	909	917	865	871	3,185	2,147	1,234	10,814
PACIFIC SILVER FIR	152	234	228	228	175	495	228	41	1,780
WESTERN REDCEDAR	45	63	63	122	98	314	307	510	1,522
SITKA SPRUCE	56	22	40	70	35	180	321	696	1,419
NOBLE FIR	76	58	81	72	58	323	369	209	1,249
MOUNTAIN HEMLOCK	53	69	75	86	120	223	59	5	689
GRAND FIR	77	58	83	78	37	128	60	14	536
WESTERN WHITE PINE	9	5	8	9	22	39	34	27	153
PONDEROSA PINE	4	--	1	7	2	70	49	11	144
WESTERN LARCH	3	13	17	25	14	38	24	7	141
LODGEPOLE PINE	32	31	17	3	2	5	2	--	92
ENGELMANN SPRUCE	17	7	16	7	8	16	16	--	87
ALASKA-CEDAR	8	10	4	1	4	10	11	4	52
SUBALPINE FIR	2	5	1	4	6	12	--	--	30
INCENSE-CEDAR	--	1	1	--	--	1	--	--	3
WHITE FIR	--	2	--	--	--	--	--	--	2
TOTAL	2,776	3,337	3,764	4,033	3,839	13,222	9,920	8,529	49,421
HARDWOODS:									
RED ALDER	554	621	478	433	212	436	45	3	2,780
BIGLEAF MAPLE	153	159	65	96	66	135	98	12	784
BLACK COTTONWOOD	--	10	13	23	29	41	65	69	250
OREGON WHITE OAK	75	37	25	--	16	33	2	--	189
OREGON ASH	18	3	10	11	--	19	--	--	61
TOTAL	799	830	592	564	323	664	209	85	4,064
ALL SPECIES	3,575	4,167	4,356	4,597	4,162	13,886	10,128	8,614	53,485

^{1/}Totals may be off due to rounding.

Table 36 — Net annual growth of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, northwest Oregon, 1976^{1/}

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>CUBIC FEET</u> <u>PER ACRE</u>	<u>THOUSAND CUBIC FEET</u>		
GROWING STOCK: ^{2/}				
NATIONAL FOREST	55	49,850	1,669	51,519
BUREAU OF LAND MANAGEMENT	100	20,108	2,702	22,810
OTHER PUBLIC	116	49,678	17,143	66,817
FOREST INDUSTRY	137	123,141	19,310	142,451
OTHER PRIVATE	104	54,486	25,222	79,708
ALL OWNERSHIPS	102	297,257	66,047	363,304
	<u>BOARD FEET</u> <u>PER ACRE</u>	<u>THOUSAND BOARD FEET</u>		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}				
NATIONAL FOREST	331	289,935	19,874	309,809
BUREAU OF LAND MANAGEMENT	610	124,519	13,985	138,504
OTHER PUBLIC	534	265,877	41,211	307,088
FOREST INDUSTRY	765	721,103	76,452	797,555
OTHER PRIVATE	526	320,321	82,456	402,776
ALL OWNERSHIPS	552	1,721,755	233,977	1,955,732

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

Table 37 — Net annual growth of growing stock on timberland by species and ownership class, northwest Oregon, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
SOFTWOODS:						
DOUGLAS-FIR	24,089	16,711	29,590	75,576	42,207	188,172
WESTERN HEMLOCK	9,469	2,481	17,119	38,569	4,834	72,472
WESTERN REDCEDAR	1,431	398	629	1,138	4,095	7,691
PACIFIC SILVER FIR	7,643	113	--	975	--	8,731
SITKA SPRUCE	1,112	46	526	5,376	1,605	8,665
GRAND FIR	1,631	8	1,009	180	1,718	4,546
NOBLE FIR	2,743	357	101	1,308	--	4,509
LODGEPOLE PINE	1,427	--	699	--	--	2,126
MOUNTAIN HEMLOCK	1,836	37	--	--	--	1,873
ENGELMANN SPRUCE	354	--	--	--	--	354
ALASKA CEDAR	330	--	--	--	--	330
PONDEROSA PINE	89	--	--	19	27	135
WHITE FIR	36	--	--	--	--	36
INCENSE-CEDAR	21	--	--	--	--	21
WESTERN LARCH	2/-62	--	--	--	--	2/-62
SUBALPINE FIR	27-109	--	--	--	--	27-109
WESTERN WHITE PINE	2/-2,190	2/-43	--	--	--	2/-2,233
TOTAL	49,850	20,108	49,673	123,141	54,486	297,257
HARDWOODS:						
RED ALDER	1,467	2,215	16,054	16,784	14,010	50,530
BIGLEAF MAPLE	177	465	1,089	2,648	6,866	11,245
OREGON WHITE OAK	--	--	--	2/-122	2,552	2,430
BLACK COTTONWOOD	--	22	--	--	1,432	1,454
OREGON ASH	--	--	--	--	363	363
GOLDEN CHINKAPIN	25	--	--	--	--	25
TOTAL	1,669	2,702	17,143	19,310	25,222	66,047
ALL SPECIES	51,519	22,810	66,817	142,451	79,708	363,304

^{1/}Totals may be off due to rounding.

^{2/}Negative net annual growth is the result of net annual mortality exceeding gross annual growth.

Table 38 — Net annual growth of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, northwest Oregon, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	152,898	107,282	153,183	475,470	238,958	1,127,792
WESTERN HEMLOCK	52,432	11,991	99,361	200,083	32,328	396,195
GRAND FIR	7,747	79	3,539	1,005	9,489	21,859
SITKA SPRUCE	7,152	366	2,831	30,211	11,931	52,491
WESTERN REDCEDAR	8,141	1,659	3,546	5,406	27,085	45,836
NOBLE FIR	19,332	2,591	857	6,675	--	29,455
PACIFIC SILVER FIR	20,588	598	--	2,114	--	23,300
SUBALPINE FIR	13,360	--	--	--	--	13,360
MOUNTAIN HEMLOCK	11,293	206	--	--	--	11,499
LODGEPOLE PINE	6,754	--	2,561	--	--	9,315
ENGELMANN SPRUCE	1,990	--	--	--	--	1,990
PONDEROSA PINE	494	--	--	140	529	1,163
ALASKA CEDAR	1,068	--	--	--	--	1,068
WHITE FIR	70	--	--	--	--	70
INCENSE-CEDAR	41	--	--	--	--	41
WESTERN LARCH	2/-748	--	--	--	--	2/-748
WESTERN WHITE PINE	<u>2/-12,677</u>	<u>2/-253</u>	--	--	--	<u>2/-12,930</u>
TOTAL	289,935	124,519	265,877	721,103	320,321	1,721,755
HARDWOODS:						
RED ALDER	18,455	11,474	35,866	70,339	38,128	174,262
BIGLEAF MAPLE	1,419	2,384	5,345	5,937	23,082	38,167
BLACK COTTONWOOD	--	127	--	--	10,537	10,664
OREGON WHITE OAK	--	--	--	176	9,080	9,255
OREGON ASH	--	--	--	--	1,630	1,630
TOTAL	19,874	13,985	41,211	76,452	82,456	233,977
ALL SPECIES	309,809	138,504	307,088	797,555	402,776	1,955,732

^{1/}Totals may be off due to rounding.

^{2/}Negative net annual growth is the result of net annual mortality exceeding gross annual growth.

Table 39—Average annual mortality of growing stock on timberland by species and ownership class, northwest Oregon, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND CUBIC FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	8,448	3,531	1,105	3,729	1,841	18,654
WESTERN HEMLOCK	5,328	317	1,112	3,462	399	10,618
WESTERN WHITE PINE	2,554	20	--	--	--	2,574
PACIFIC SILVER FIR	1,850	--	--	--	--	1,850
GRAND FIR	1,076	--	466	--	--	1,542
WESTERN REDCEDAR	551	--	198	399	342	1,490
SITKA SPRUCE	143	--	120	864	--	1,127
NOBLE FIR	872	--	--	--	--	872
WESTERN LARCH	512	--	--	--	--	512
LODGEPOLE PINE	445	--	--	--	--	445
SUBALPINE FIR	238	--	--	--	--	238
MOUNTAIN HEMLOCK	217	--	--	--	--	217
PONDEROSA PINE	43	--	--	--	42	85
ALASKA-CEDAR	55	--	--	--	--	55
ENGELMANN SPRUCE	53	--	--	--	--	53
INCENSE-CEDAR	2	--	--	--	--	2
TOTAL	22,387	3,868	3,001	8,453	2,624	40,333
HARDWOODS:						
RED ALDER	1,692	--	1,140	2,723	3,063	8,618
BIGLEAF MAPLE	18	--	286	80	1,284	1,666
OREGON WHITE OAK	--	--	--	155	708	863
BLACK COTTONWOOD	--	--	--	--	707	707
OREGON ASH	--	--	--	--	292	292
TOTAL	1,710	--	1,426	2,958	6,052	12,146
ALL SPECIES	24,097	3,868	4,427	11,411	8,677	52,479

^{1/}Totals may be off due to rounding.

Table 40 — Average annual mortality of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, northwest Oregon, 1976 ^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS	THOUSAND BOARD FEET						
SOFTWOODS:													
DOUGLAS-FIR	46,025	20,092	3,592	13,135	5,974	88,818							
WESTERN HEMLOCK	23,545	2,017	4,468	19,873	2,436	52,339							
WESTERN WHITE PINE	14,147	110	--	--	--	14,257							
PACIFIC SILVER FIR	8,292	--	--	--	--	8,292							
GRAND FIR	5,302	--	1,189	--	--	6,491							
WESTERN REDCEDAR	2,706	--	615	2,030	1,814	7,164							
SITKA SPRUCE	148	--	630	4,434	--	5,212							
NOBLE FIR	4,960	--	--	--	--	4,960							
WESTERN LARCH	2,791	--	--	--	--	2,791							
LOGEPOLE PINE	1,142	--	--	--	--	1,142							
SUBALPINE FIR	1,251	--	--	--	--	1,251							
MOUNTAIN HEMLOCK	1,068	--	--	--	--	1,068							
PONDEROSA PINE	286	--	--	--	--	286							
ALASKA-CEDAR	245	--	--	--	--	245							
ENGELMANN SPRUCE	255	--	--	--	--	255							
INCENSE-CEDAR	8	--	--	--	--	8							
TOTAL	112,171	22,219	10,493	39,472	10,224	194,579							
HARDWOODS:													
RED ALDER	3,978	--	1,858	7,011	10,426	23,273							
BIGLEAF MAPLE	44	--	1,543	364	3,202	5,152							
BLACK COTTONWOOD	--	--	--	--	3,524	3,524							
OREGON ASH	--	--	--	--	1,395	1,395							
OREGON WHITE OAK	--	--	--	--	670	670							
TOTAL	4,022	--	3,401	7,374	19,217	34,014							
ALL SPECIES	116,193	22,219	13,894	46,846	29,441	228,593							

^{1/}Totals may be off due to rounding.

Table 41 — Area by county and land class, west-central Oregon, January 1, 1976 ^{1/}

COUNTY	FOREST LAND				TOTAL	NONFOREST LAND ^{2/}	ALL LANDS ^{3/}
	TIMBERLAND	DEFERRED TIMBERLAND	RESERVED TIMBERLAND	OTHER			
	THOUSAND ACRES						
BENTON	265	--	4/	3	268	160	428
LANE	2,254	--	127	95	2,476	436	2,913
LINCOLN	553	--	1	1	555	76	631
LINN	906	--	60	50	1,016	445	1,461
TOTAL	3,978	--	188	149	4,315	1,117	5,433

^{1/}Totals may be off because of rounding.

^{2/}Includes cropland, pasture and range, swampland, industrial and urban areas, powerline clearings, railroads, and all improved roads and highways, and acres classified as water by Forest Survey standards, but defined by the Bureau of Census as land.

^{3/}Source: United States Bureau of the Census, Land and Water Area of the United States, 1970.

^{4/}Less than 500 acres.

Table 42 — Area of timberland by county and ownership class, west-central Oregon, January 1, 1976 ^{1/}

COUNTY	PUBLIC				PRIVATE				ALL OWNERSHIPS
	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER	TOTAL	FOREST INDUSTRY	FARMER OWNED	MISCELLANEOUS	TOTAL	
	THOUSAND ACRES								
BENTON	14	56	29	99	52	54	61	166	265
LANE	1,119	279	27	1,425	563	66	200	829	2,254
LINCOLN	164	23	25	212	252	8	81	341	553
LINN	333	84	28	445	229	109	122	461	906
TOTAL	1,630	441	109	2,181	1,097	237	464	1,797	3,978

^{1/}Totals may be off because of rounding.

Table 43 — Area of timberland by cubic-foot site and ownership classes, west-central Oregon, January 1, 1976^{1/}

SITE CLASS ^{2/}	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
----- THOUSAND ACRES -----						
225 OR MORE	22	2	--	31	22	77
165 TO 224	322	68	29	200	51	670
120 TO 164	582	294	72	563	395	1,905
85 TO 119	363	51	--	239	177	829
50 TO 84	319	26	--	53	48	447
20 TO 49	22	--	9	11	9	51
ALL CLASSES	1,630	441	109	1,097	701	3,978

^{1/}Totals may be off because of rounding.

^{2/}Capacity for cubic-foot annual growth per acre at culmination of mean annual growth in fully stocked natural stands.

Table 44 — Area of timberland by stand-size and ownership classes, west-central Oregon, January 1, 1976^{1/}

STAND-SIZE CLASS	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
----- THOUSAND ACRES -----						
SAWTIMBER STANDS:						
LARGE SAWTIMBER ^{2/}	868	158	20	187	79	1,312
SMALL SAWTIMBER ^{3/}	394	92	89	329	293	1,196
TOTAL	1,262	250	109	516	372	2,508
POLETIMBER STANDS:	82	28	--	179	106	395
SAPLING AND SEEDLING	236	139	--	339	127	841
NONSTOCKED AREAS	50	24	--	63	96	233
ALL CLASSES	1,630	441	109	1,097	701	3,978

^{1/}Totals may be off because of rounding.

^{2/}Large sawtimber includes trees 21.0-inch d.b.h. and larger.

^{3/}Small sawtimber includes softwood trees 9.0- to 20.9-inch d.b.h. and hardwood trees 11.0- to 20.9-inch d.b.h.

Table 45 — Area of timberland by forest type and ownership class, west-central Oregon, January 1, 1976^{1/}

FOREST TYPE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
	<u>THOUSAND ACRES</u>					
DOUGLAS-FIR	1,102	357	65	742	322	2,588
WESTERN HEMLOCK	133	23	--	123	40	319
PACIFIC SILVER FIR	80	--	--	--	--	80
MOUNTAIN HEMLOCK	65	--	--	--	--	65
WESTERN REDCEDAR	30	5	--	--	8	43
GRAND FIR	13	1	--	--	16	30
SITKA SPRUCE	10	1	--	--	5	16
NOBLE FIR	5	--	--	10	--	15
INCENSE-CEDAR	13	1	--	--	--	14
LODGEPOLE PINE	7	--	--	--	5	12
ENGELMANN SPRUCE	5	--	--	--	--	5
SUBALPINE FIR	5	--	--	--	--	5
ALASKA-CEDAR	4	--	--	--	--	4
PONDEROSA PINE	--	--	--	--	3	3
RED ALDER	82	17	35	148	108	389
MAPLE	5	9	--	15	41	71
OREGON WHITE OAK	--	--	9	--	56	65
MADRONE	11	--	--	10	19	40
CALIFORNIA BLACK OAK	--	--	--	--	5	5
OTHER HARDWOODS	--	4	--	5	19	29
NONCOMMERCIAL HARDWOODS	3	2	--	--	17	22
NONCOMMERCIAL CONIFERS	7	--	--	--	9	16
UNCLASSIFIED ^{2/}	50	21	--	43	30	144
ALL TYPES	1,630	441	109	1,097	701	3,978

^{1/}Totals may be off because of rounding.

^{2/}Unclassified type is less than 10 percent stocked with live trees.

Table 46 — Area of reserved timberland, by forest type and ownership class, west-central Oregon, January 1, 1976^{1/}

FOREST TYPE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND ACRES</u>						
TIMBERLAND:						
DOUGLAS-FIR	--	--	5	--	--	5
PACIFIC SILVER FIR	119	--	--	--	--	119
LODGEPOLE PINE	64	--	<u>2/</u>	--	--	64
SITKA SPRUCE	--	--	<u>2/</u>	--	--	<u>2/</u>
HEMLOCK	--	--	<u>2/</u>	--	--	<u>2/</u>
RED ALDER	--	--	1	--	--	1
COTTONWOOD	--	--	<u>2/</u>	--	--	<u>2/</u>
TOTAL	183	--	6	--	--	188
OTHER FOREST:						
PACIFIC SILVER FIR	23	--	--	--	--	23
BRUSH	--	--	--	--	--	--
UNCLASSIFIED	3	--	<u>2/</u>	--	--	3
TOTAL	26	--	<u>2/</u>	--	--	26
TOTAL RESERVED	209	--	6	--	--	214

^{1/}Totals may be off because of rounding.

^{2/}Less than 500 acres.

Table 47 — Volume of timber on timberland by class of timber and by softwoods and hardwoods, west-central Oregon, January 1, 1976 ^{1/}

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>MILLION CUBIC FEET</u>		
SAWTIMBER TREES:			
SAW-LOG PORTION	16,492	703	17,195
UPPER-STEM PORTION	531	119	650
TOTAL	17,023	821	17,844
POLETIMBER TREES	865	338	1,203
ALL GROWING STOCK	17,887	1,159	19,047
SOUND CULL TREES	47	71	118
ROTTEN CULL TREES	330	41	371
SALVABLE DEAD TREES	330	4	334
ALL TIMBER	18,594	1,275	19,869

^{1/}Totals may be off because of rounding.

Table 48 — Volume of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, west-central Oregon, January 1, 1976^{1/}

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>CUBIC FEET</u> <u>PER ACRE</u>	----- <u>MILLION CUBIC FEET</u> -----		
GROWING STOCK: ^{2/}				
NATIONAL FOREST	7,117	11,304	296	11,600
BUREAU OF LAND MANAGEMENT	4,803	1,979	139	2,118
OTHER PUBLIC	5,651	513	104	616
FOREST INDUSTRY	2,780	2,808	243	3,050
OTHER PRIVATE	2,372	1,284	379	1,663
ALL OWNERSHIPS	4,788	17,887	1,159	19,047
	<u>BOARD FEET</u> <u>PER ACRE</u>	----- <u>MILLION BOARD FEET</u> -----		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}				
NATIONAL FOREST	42,206	67,476	1,320	68,796
BUREAU OF LAND MANAGEMENT	28,810	12,216	489	12,705
OTHER PUBLIC	31,064	3,056	330	3,386
FOREST INDUSTRY	15,292	16,118	657	16,775
OTHER PRIVATE	11,830	6,893	1,401	8,293
ALL OWNERSHIPS	27,641	105,759	4,197	109,956
	<u>BOARD FEET</u> <u>PER ACRE</u>	----- <u>MILLION BOARD FEET</u> -----		
SAWTIMBER (SCRIBNER RULE): ^{4/}				
NATIONAL FOREST	33,845	54,264	904	55,168
BUREAU OF LAND MANAGEMENT	25,751	10,894	462	11,356
OTHER PUBLIC	22,789	2,223	262	2,484
FOREST INDUSTRY	10,996	11,535	528	12,063
OTHER PRIVATE	8,260	4,658	1,133	5,790
ALL OWNERSHIPS	21,835	83,573	3,288	86,861

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

^{4/}Includes trees 11.0-inch d.b.h. and larger.

Table 49— Volume of growing stock and sawtimber on timberland by county and ownership class, west-central Oregon, January 1, 1976^{1/}

COUNTY	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION CUBIC FEET</u>						
GROWING STOCK: ^{2/}						
BENTON	135	308	154	120	314	1,031
LANE	7,569	1,150	173	1,556	500	10,948
LINCOLN	1,295	213	138	914	278	2,838
LINN	2,600	447	152	460	571	4,230
TOTAL	11,600	2,118	616	3,050	1,663	19,047
<u>MILLION BOARD FEET</u>						
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}						
BENTON	795	1,969	788	635	1,674	5,861
LANE	45,236	6,494	1,038	8,864	2,211	63,843
LINCOLN	7,268	1,396	787	4,560	1,284	15,295
LINN	15,497	2,846	777	2,711	3,128	24,959
TOTAL	68,796	12,705	3,386	16,775	8,293	109,956
<u>MILLION BOARD FEET</u>						
SAWTIMBER (SCRIBNER RULE): ^{4/}						
BENTON	662	1,740	541	441	1,210	4,594
LANE	36,284	5,827	808	6,463	1,401	50,783
LINCOLN	5,826	1,253	603	3,157	899	11,738
LINN	12,396	2,536	535	1,997	2,282	19,746
TOTAL	55,168	11,356	2,484	12,063	5,790	86,861

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwoods trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

^{4/}Includes trees 11.0-inch d.b.h. and larger.

Table 50 — Volume of growing stock on timberland by species and ownership class, west-central Oregon, January 1, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
SOFTWOODS:						
DOUGLAS-FIR	7,973	1,660	511	2,069	996	13,210
WESTERN HEMLOCK	1,502	243	--	569	157	2,472
WESTERN REDCEDAR	328	40	--	74	38	481
PACIFIC SILVER FIR	448	8	--	--	--	456
MOUNTAIN HEMLOCK	340	--	--	--	--	340
NOBLE FIR	213	6	--	9	--	228
SITKA SPRUCE	66	2	--	60	52	180
GRAND FIR	127	3	--	16	23	170
WESTERN WHITE PINE	111	1	--	--	--	112
INCENSE-CEDAR	51	12	--	9	--	72
SUGAR PINE	51	--	--	--	--	51
ENGELMANN SPRUCE	42	--	--	--	--	42
LODGEPOLE PINE	24	--	--	--	12	36
PONDEROSA PINE	11	--	1	--	4	16
SUBALPINE FIR	12	--	--	--	--	12
ALASKA-CEDAR	3	2	--	--	--	5
WHITE FIR	2	2	--	--	--	4
PORT-ORFORD-CEDAR	--	--	--	1	1	2
TOTAL	11,304	1,979	513	2,808	1,284	17,887
HARDWOODS:						
RED ALDER	246	54	82	180	182	753
BIGLEAF MAPLE	42	58	15	40	59	215
OREGON WHITE OAK	--	1	1	2	83	87
GOLDEN CHINKAPIN	7	13	3	6	18	46
OREGON ASH	--	2	--	--	19	20
PACIFIC MADRONE	1	1	--	10	4	16
CALIFORNIA BLACK OAK	--	--	3	1	9	14
BLACK COTTONWOOD	--	--	--	3	5	8
TOTAL	296	139	104	243	379	1,159
ALL SPECIES	11,600	2,118	616	3,050	1,663	19,047

^{1/}Totals may be off due to rounding.

Table 51 — Volume of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, west-central Oregon, January 1, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	50,361	10,402	3,050	12,188	5,361	81,362
WESTERN HEMLOCK	7,525	1,396	--	2,959	859	12,738
WESTERN REDCEDAR	1,675	219	--	394	200	2,488
PACIFIC SILVER FIR	2,046	45	--	--	--	2,091
MOUNTAIN HEMLOCK	1,635	2	--	--	--	1,637
NOBLE FIR	1,325	42	--	55	--	1,422
SITKA SPRUCE	413	14	--	408	271	1,106
GRAND FIR	745	13	--	77	116	951
WESTERN WHITE PINE	669	3	--	--	--	672
INCENSE-CEDAR	266	63	--	31	--	360
SUGAR PINE	340	--	--	--	--	340
ENGELMANN SPRUCE	249	--	--	--	--	249
LODGEPOLE PINE	96	--	--	--	65	161
PONDEROSA PINE	70	--	6	--	22	99
SUBALPINE FIR	41	--	--	--	--	41
ALASKA-CEDAR	12	10	--	--	--	22
WHITE FIR	8	7	--	--	--	15
PORT-ORFORD-CEDAR	--	--	--	7	--	7
TOTAL	67,476	12,216	3,056	16,118	6,893	105,759
HARDWOODS:						
RED ALDER	1,152	252	279	471	682	2,836
BIGLEAF MAPLE	164	201	52	152	244	812
OREGON WHITE OAK	--	2	--	3	269	274
GOLDEN CHINKAPIN	4	25	--	14	62	105
OREGON ASH	--	7	--	--	73	80
BLACK COTTONWOOD	--	--	--	18	28	46
CALIFORNIA BLACK OAK	--	--	--	--	43	43
PACIFIC MADRONE	--	2	--	--	--	2
TOTAL	1,320	489	330	657	1,401	4,197
ALL SPECIES	68,796	12,705	3,386	16,775	8,293	109,956

^{1/}Totals may be off due to rounding.

Table 52 — Volume of sawtimber, Scribner rule, on timberland by species and ownership class, west-central Oregon, January 1, 1976^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	41,296	9,352	2,220	8,907	3,697	65,472
WESTERN HEMLOCK	5,738	1,179	--	1,944	551	9,412
WESTERN REDCEDAR	1,266	189	--	264	122	1,841
PACIFIC SILVER FIR	1,439	36	--	--	--	1,475
MOUNTAIN HEMLOCK	1,214	2	--	--	--	1,216
NOBLE FIR	1,073	37	--	34	--	1,144
SITKA SPRUCE	331	13	--	318	171	832
GRAND FIR	569	11	--	47	70	696
WESTERN WHITE PINE	521	2	--	--	--	523
SUGAR PINE	279	--	--	--	--	279
INCENSE-CEDAR	200	57	--	16	--	273
ENGELMANN SPRUCE	192	--	--	--	--	192
LODGEPOLE PINE	46	--	--	--	34	80
PONDEROSA PINE	61	--	3	--	14	78
SUBALPINE FIR	25	--	--	--	--	25
ALASKA-CEDAR	9	9	--	--	--	18
WHITE FIR	5	7	--	--	--	12
PORT-ORFORD-CEDAR	--	--	--	5	--	5
TOTAL	54,264	10,894	2,223	11,535	4,658	83,573
HARDWOODS:						
RED ALDER	785	238	222	371	541	2,157
BIGLEAF MAPLE	117	191	40	125	204	678
OREGON WHITE OAK	--	2	--	3	216	221
GOLDEN CHINKAPIN	2	23	--	11	48	85
OREGON ASH	--	6	--	--	62	69
BLACK COTTONWOOD	--	--	--	17	26	43
CALIFORNIA BLACK OAK	--	--	--	--	34	34
PACIFIC MADRONE	--	2	--	--	--	2
TOTAL	904	462	262	528	1,133	3,288
ALL SPECIES	55,168	11,356	2,484	12,063	5,790	86,861

Totals may be off due to rounding.

Table 53 — Volume of growing stock on timberland by species and diameter class, west-central Oregon, January 1, 1976^{1/}

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- 28.9	29.0- 38.9	39.0- PLUS	
	MILLION CUBIC FEET											
SOFTWOODS:												
DOUGLAS-FIR	175	326	355	465	522	530	622	597	2,370	2,862	4,386	13,210
WESTERN HEMLOCK	90	136	178	169	183	189	171	176	556	436	187	2,472
WESTERN REDCEDAR	11	23	26	22	23	25	32	30	102	86	100	481
PACIFIC SILVER FIR	17	24	43	38	51	47	50	41	107	32	6	456
MOUNTAIN HEMLOCK	5	9	16	27	26	30	31	37	105	47	7	340
NOBLE FIR	1	3	5	8	10	10	17	18	51	71	34	228
SITKA SPRUCE	3	7	5	12	7	7	16	5	21	38	61	180
GRAND FIR	7	7	10	14	12	10	11	16	50	27	6	170
WESTERN WHITE PINE	1	3	1	5	10	9	8	6	39	25	5	112
INCENSE-CEDAR	1	3	3	5	4	2	5	3	14	20	11	72
SUGAR PINE	--	--	--	1	1	--	--	3	11	12	23	51
ENGELMANN SPRUCE	--	1	1	1	3	5	5	3	15	7	1	42
LODGEPOLE PINE	1	4	8	8	5	6	3	1	1	--	--	36
PONDEROSA PINE	--	--	1	--	--	1	--	1	--	7	6	16
SUBALPINE FIR	1	3	1	3	1	--	1	--	2	--	--	12
ALASKA-CEDAR	1	--	--	--	--	--	--	--	2	1	1	5
WHITE FIR	--	--	1	--	--	--	--	--	1	2	--	4
PORT-ORFORD-CEDAR	--	1	--	--	--	--	--	--	--	1	--	2
TOTAL	316	549	655	777	857	871	972	938	3,446	3,674	4,834	17,887
HARDWOODS:												
RED ALDER	53	54	101	109	118	93	74	58	87	7	--	753
BIGLEAF MAPLE	14	21	18	24	22	24	17	18	37	17	3	215
OREGON WHITE OAK	4	14	13	19	8	5	7	8	8	2	--	87
GOLDEN CHINKAPIN	8	8	5	11	12	1	2	--	--	--	--	46
OREGON ASH	--	--	4	5	--	3	1	5	1	--	--	20
PACIFIC MADRONE	6	6	4	--	--	--	--	--	--	--	--	16
CALIFORNIA BLACK OAK	--	1	4	3	3	1	3	--	--	--	--	14
BLACK COTTONWOOD	--	--	--	--	--	--	--	--	--	8	--	8
TOTAL	84	105	149	170	162	128	103	89	134	34	3	1,159
ALL SPECIES	399	653	804	947	1,019	999	1,075	1,027	3,579	3,708	4,836	19,047

^{1/}Totals may be off due to rounding.

Table 54 — Volume of sawtimber, International 1/4-inch rule, on timberland by species and diameter class, west-central Oregon, January 1, 1976^{1/}

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)									
	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- 28.9	29.0- 38.9	39.0- PLUS	ALL CLASSES
	<u>MILLION BOARD FEET</u>									
SOFTWOODS:										
DOUGLAS-FIR	1,549	2,320	2,876	3,112	3,764	3,719	15,135	18,742	30,145	81,362
WESTERN HEMLOCK	741	799	957	1,015	960	1,013	3,281	2,698	1,272	12,738
WESTERN REDCEDAR	101	86	104	122	172	162	588	518	636	2,488
PACIFIC SILVER FIR	166	177	256	237	259	212	570	180	34	2,091
MOUNTAIN HEMLOCK	58	106	116	139	153	187	556	278	44	1,637
NOBLE FIR	21	38	56	57	97	111	331	476	235	1,422
SITKA SPRUCE	21	60	34	37	96	32	137	252	437	1,106
GRAND FIR	42	71	63	61	67	101	319	184	44	951
WESTERN WHITE PINE	6	23	56	51	47	37	257	160	35	672
INCENSE-CEDAR	11	14	15	10	23	19	81	119	68	360
SUGAR PINE	--	2	3	2	2	16	72	83	160	340
ENGELMANN SPRUCE	3	5	18	30	31	16	96	42	8	249
LODGEPOLE PINE	36	38	28	32	15	6	5	--	--	161
PONDEROSA PINE	4	2	--	6	--	3	--	46	37	99
SUBALPINE FIR	6	15	3	--	7	3	7	--	--	41
ALASKA-CEDAR	--	1	--	--	1	3	11	5	1	22
WHITE FIR	2	--	--	--	--	--	7	6	--	15
PORT-ORFORD-CEDAR	--	--	--	--	--	--	--	7	--	7
TOTAL	2,766	3,757	4,587	4,912	5,694	5,638	21,453	23,796	33,156	105,759
HARDWOODS:										
RED ALDER	--	494	597	488	396	327	495	39	--	2,836
BIGLEAF MAPLE	--	96	102	119	90	102	202	94	8	812
OREGON WHITE OAK	--	75	34	25	33	46	49	12	--	274
GOLDEN CHINKAPIN	--	37	51	4	5	1	3	--	4	105
OREGON ASH	--	26	--	17	8	26	4	--	--	80
BLACK COTTONWOOD	--	--	--	--	--	--	--	46	--	46
CALIFORNIA BLACK OAK	--	10	14	5	14	--	--	--	--	43
PACIFIC MADRONE	--	--	--	--	--	--	2	--	--	2
TOTAL	--	737	797	658	545	503	755	190	12	4,197
ALL SPECIES	2,766	4,494	5,383	5,570	6,239	6,141	22,208	23,986	33,168	109,956

^{1/}Totals may be off due to rounding.

Table 55 — Volume of sawtimber, Scribner rule, on timberland by species and diameter class, west-central Oregon, January 1, 1976^{1/}

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0- 38.9	39.0 PLUS	ALL CLASSES
	<u>MILLION BOARD FEET</u>								
SOFTWOODS:									
DOUGLAS-FIR	1,341	1,856	2,114	2,682	2,769	12,043	15,904	26,762	65,472
WESTERN HEMLOCK	506	633	704	715	775	2,658	2,305	1,114	9,412
WESTERN REDCEDAR	53	64	80	116	113	447	425	543	1,841
PACIFIC SILVER FIR	113	181	171	193	165	467	155	30	1,475
MOUNTAIN HEMLOCK	67	78	100	112	139	445	236	39	1,216
NOBLE FIR	25	39	41	71	84	268	406	210	1,144
SITKA SPRUCE	31	20	22	64	22	105	198	370	832
GRAND FIR	43	43	42	49	74	252	156	39	696
WESTERN WHITE PINE	15	39	36	34	28	203	136	32	523
SUGAR PINE	1	2	1	2	12	56	68	137	279
INCENSE-CEDAR	8	10	6	16	14	64	95	60	273
ENGELMANN SPRUCE	3	12	22	22	12	78	36	7	192
LODGEPOLE PINE	23	18	21	11	4	3	--	--	80
PONDEROSA PINE	1	--	3	--	3	--	38	33	78
SUBALPINE FIR	10	2	--	5	2	6	--	--	25
ALASKA-CEDAR	1	--	--	1	2	10	3	1	18
WHITE FIR	--	--	--	--	--	6	6	--	12
PORT-ORFORD-CEDAR	--	--	--	--	--	--	5	--	5
TOTAL	2,241	2,997	3,363	4,093	4,218	17,111	20,174	29,377	83,573
HARDWOODS:									
RED ALDER	348	438	369	308	259	402	33	--	2,157
BIGLEAF MAPLE	75	80	99	72	86	175	83	8	678
OREGON WHITE OAK	57	27	20	27	39	42	10	--	221
GOLDEN CHINKAPIN	31	40	4	4	1	2	--	3	85
OREGON ASH	21	--	14	7	23	4	--	--	69
BLACK COTTONWOOD	--	--	--	--	--	--	43	--	43
CALIFORNIA BLACK OAK	8	11	4	11	--	--	--	--	34
PACIFIC MADRONE	--	--	--	--	--	2	--	--	2
TOTAL	541	596	510	430	407	626	169	11	3,288
ALL SPECIES	2,782	3,593	3,872	4,523	4,625	17,737	20,343	29,388	86,861

^{1/}Totals may be off due to rounding.

Table 56 — Net annual growth of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, west-central Oregon, 1975^{1/}

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>CUBIC FEET</u> <u>PER ACRE</u>	<u>THOUSAND CUBIC FEET</u>		
GROWING STOCK: ^{2/}				
NATIONAL FOREST	42	65,405	2,286	67,691
BUREAU OF LAND MANAGEMENT	86	34,188	3,935	38,123
OTHER PUBLIC	146	12,324	3,637	15,961
FOREST INDUSTRY	97	93,487	12,891	106,378
OTHER PRIVATE	89	53,223	8,946	62,169
ALL OWNERSHIPS	73	258,626	31,696	290,322
	<u>BOARD FEET</u> <u>PER ACRE</u>	<u>THOUSAND BOARD FEET</u>		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}				
NATIONAL FOREST	289	435,675	34,608	470,283
BUREAU OF LAND MANAGEMENT	446	183,261	13,563	196,824
OTHER PUBLIC	845	76,098	16,038	92,136
FOREST INDUSTRY	458	476,636	26,169	502,804
OTHER PRIVATE	445	268,985	43,069	312,054
ALL OWNERSHIPS	396	1,440,655	133,447	1,574,101

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

Table 57 — Net annual growth of growing stock on timberland by species and ownership class, west-central Oregon, 1975 ^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND CUBIC FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	48,533	26,307	12,254	60,927	41,704	189,725
WESTERN HEMLOCK	12,096	5,516	--	27,500	6,487	51,598
WESTERN REDCEDAR	3,671	647	--	1,886	1,430	7,634
MOUNTAIN HEMLOCK	5,638	1	--	--	--	5,639
SITKA SPRUCE	1,145	20	--	1,589	2,818	5,572
GRAND FIR	1,251	1,244	--	808	1,216	4,519
PACIFIC SILVER FIR	1,772	106	--	--	--	1,878
INCENSE-CEDAR	499	214	--	400	2/-58	1,055
NOBLE FIR	2/-69	70	--	428	--	429
ENGELMANN SPRUCE	294	--	--	--	--	294
PONDEROSA PINE	33	--	69	--	72	174
ALASKA-CEDAR	71	7	--	--	--	78
SUGAR PINE	77	--	--	--	--	77
PORT-ORFORD-CEDAR	--	--	--	2/-50	69	19
WHITE FIR	2/-48	50	--	--	--	2
SUBALPINE FIR	27-134	--	--	--	--	2/-134
LODGEPOLE PINE	129	--	--	--	2/-513	2/-384
WESTERN WHITE PINE	2/-9,553	6	--	--	--	2/-9,547
TOTAL	65,405	34,188	12,324	93,487	53,223	258,626
HARDWOODS:						
RED ALDER	1,068	1,820	2,927	11,017	5,383	22,215
BIGLEAF MAPLE	955	1,638	422	1,058	1,487	5,560
OREGON WHITE OAK	--	26	103	85	1,750	1,964
PACIFIC MADRONE	14	34	--	358	481	887
GOLDEN CHINKAPIN	245	376	68	257	2/-244	702
CALIFORNIA BLACK OAK	--	--	118	46	63	227
BLACK COTTONWOOD	--	--	--	71	71	142
OREGON ASH	4	--	--	2/-46	2/-1	--
TOTAL	2,286	3,935	3,637	12,891	8,946	31,696
ALL SPECIES	67,691	38,123	15,961	106,378	62,169	290,322

^{1/}Totals may be off due to rounding.

^{2/}Negative net annual growth is the result of net annual mortality exceeding gross annual growth.

Table 58 — Net annual growth of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, west-central Oregon, 1975^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	334,611	142,621	75,699	313,540	202,374	1,068,845
WESTERN HEMLOCK	40,388	30,202	--	136,118	35,850	242,558
WESTERN REDCEDAR	21,307	2,952	--	8,844	8,598	41,701
SITKA SPRUCE	8,812	177	--	9,848	16,992	35,829
MOUNTAIN HEMLOCK	30,062	7	--	--	--	30,069
GRAND FIR	9,487	4,975	--	4,839	6,878	26,179
PACIFIC SILVER FIR	15,252	762	--	--	--	16,014
NOBLE FIR	9,586	544	--	3,012	--	13,142
INCENSE-CEDAR	4,340	804	--	648	--	5,792
SUGAR PINE	2,145	--	--	--	--	2,145
ENGELMANN SPRUCE	1,877	--	--	--	--	1,877
PONDEROSA PINE	240	--	399	--	694	1,333
SUBALPINE FIR	370	--	--	--	--	370
ALASKA-CEDAR	165	52	--	--	--	217
PORT-ORFORD-CEDAR	--	--	--	2/-214	--	2/-214
WHITE FIR	2/-640	129	--	--	--	2/-511
LODGEPOLE PINE	2/-103	--	--	--	2/-2,402	2/-2,505
WESTERN WHITE PINE	2/-42,224	36	--	--	--	27-42,188
TOTAL	435,675	183,261	76,098	476,636	268,985	1,440,655
HARDWOODS:						
RED ALDER	29,656	7,404	13,754	20,164	23,337	94,315
BIGLEAF MAPLE	4,892	5,329	2,285	4,705	4,720	21,931
OREGON WHITE OAK	--	46	--	53	8,562	8,661
GOLDEN CHINKAPIN	60	588	--	1,463	4,558	6,669
CALIFORNIA BLACK OAK	--	--	--	--	1,344	1,344
BLACK COTTONWOOD	--	--	--	440	439	878
OREGON ASH	--	157	--	--	108	265
PACIFIC MADRONE	--	39	--	2/-656	--	2/-617
TOTAL	34,608	13,563	16,038	26,169	43,069	133,447
ALL SPECIES	470,283	196,824	92,136	502,804	312,054	1,574,101

^{1/}Totals may be off due to rounding.

^{2/}Negative net annual growth is the result of net annual mortality exceeding gross annual growth.

Table 59 — Average annual mortality of growing stock on timberland by species and ownership class, west-central Oregon, 1975^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND CUBIC FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	18,181	5,779	764	6,293	2,652	33,669
WESTERN WHITE PINE	8,465	--	--	--	--	8,465
WESTERN HEMLOCK	6,441	353	--	723	362	7,879
PACIFIC SILVER FIR	3,615	--	--	--	--	3,615
NOBLE FIR	2,055	--	--	--	--	2,055
MOUNTAIN HEMLOCK	1,483	--	--	--	--	1,483
LODGEPOLE PINE	452	--	--	--	783	1,235
WESTERN REDCEDAR	769	118	--	170	50	1,107
GRAND FIR	825	--	--	--	--	825
SUBALPINE FIR	548	--	--	--	--	548
SUGAR PINE	277	--	--	--	--	277
SITKA SPRUCE	110	--	--	130	--	240
INCENSE-CEDAR	65	40	--	73	58	236
ENGELMANN SPRUCE	91	--	--	--	--	91
PORT-ORFORD-CEDAR	--	--	--	87	--	87
WHITE FIR	60	--	--	--	--	60
TOTAL	43,437	6,290	764	7,476	3,904	61,871
HARDWOODS:						
RED ALDER	3,461	310	199	2,093	2,402	8,465
GOLDEN CHINKAPIN	--	73	--	86	1,081	1,240
BIGLEAF MAPLE	133	301	--	448	251	1,133
OREGON ASH	--	8	--	--	675	683
OREGON WHITE OAK	--	5	--	--	435	440
PACIFIC MADRONE	--	7	--	169	21	197
CALIFORNIA BLACK OAK	--	--	--	--	100	100
TOTAL	3,594	704	199	2,796	4,964	12,257
ALL SPECIES	47,031	6,994	963	10,273	8,868	74,128

^{1/}Totals may be off due to rounding.

Table 60 — Average annual mortality of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, west-central Oregon, 1975^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
SOFTWOODS:						
DOUGLAS-FIR	115,707	34,596	4,463	38,445	12,357	205,568
WESTERN WHITE PINE	50,964	--	--	--	--	50,964
WESTERN HEMLOCK	32,299	2,361	--	2,660	1,086	38,406
PACIFIC SILVER FIR	16,516	--	--	--	--	16,516
NOBLE FIR	12,811	--	--	--	--	12,811
MOUNTAIN HEMLOCK	6,725	--	--	--	--	6,725
LODGEPOLE PINE	1,747	--	--	--	4,230	5,977
WESTERN REDCEDAR	3,878	772	--	851	--	5,501
GRAND FIR	4,778	--	--	--	--	4,778
SUBALPINE FIR	1,862	--	--	--	--	1,862
SUGAR PINE	1,808	--	--	--	--	1,808
ENGELMANN SPRUCE	1,752	--	--	--	--	1,752
SITKA SPRUCE	685	--	--	813	--	1,498
INCENSE-CEDAR	334	208	--	355	--	897
PORT-ORFORD-CEDAR	--	--	--	445	--	445
WHITE FIR	277	--	--	--	--	277
TOTAL	252,143	37,937	4,463	43,569	17,673	355,785
HARDWOODS:						
RED ALDER	16,090	1,143	--	7,091	6,167	30,490
BIGLEAF MAPLE	537	843	--	2,327	1,192	4,899
OREGON ASH	--	26	--	--	4,103	4,129
OREGON WHITE OAK	--	7	--	--	1,076	1,083
PACIFIC MADRONE	--	7	--	656	--	663
GOLDEN CHINKAPIN	--	97	--	--	--	97
TOTAL	16,627	2,123	--	10,074	12,538	41,361
ALL SPECIES	268,770	40,060	4,463	53,643	30,210	397,146

^{1/}Totals may be off due to rounding.

Table 61 — Area by county and land class, southwest Oregon, January 1, 1975^{1/}

COUNTY	FOREST LAND				TOTAL	NONFOREST LAND ^{2/}	ALL LANDS ^{3/}
	TIMBERLAND	DEFERRED TIMBERLAND	RESERVED TIMBERLAND	OTHER			
	THOUSAND ACRES						
COOS	848	--	8	14	870	159	1,027
CURRY	756	9	47	138	950	92	1,041
DOUGLAS	2,642	--	7	150	2,799	442	3,240
JACKSON	1,167	10	5	309	1,491	309	1,800
JOSEPHINE	730	--	12	182	924	114	1,039
TOTAL	6,143	19	79	793	7,034	1,116	8,147

^{1/}Totals may be off because of rounding.

^{2/}Includes cropland, pasture and range, swampland, industrial and urban areas, powerline clearings, railroads, and all improved roads and highways, and acres classified as water by Forest Survey standards, but defined by the Bureau of Census as land.

^{3/}Source: United States Bureau of the Census, Land and Water Area of the United States, 1970.

Table 62 — Area of timberland by county and ownership class, southwest Oregon, January 1, 1975^{1/}

COUNTY	PUBLIC				PRIVATE				ALL OWNERSHIPS
	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER	TOTAL	FOREST INDUSTRY	FARMER OWNED	MISCELLANEOUS	TOTAL	
	THOUSAND ACRES								
COOS	64	156	78	298	343	110	97	550	848
CURRY	412	57	4	473	166	60	58	283	756
DOUGLAS	897	609	56	1,562	756	235	89	1,080	2,642
JACKSON	388	277	6	671	332	73	91	496	1,167
JOSEPHINE	258	230	36	524	45	45	117	206	730
TOTAL	2,019	1,329	180	3,528	1,641	523	452	2,615	6,143

^{1/}Totals may be off because of rounding.

Table 63 — Area of timberland by cubic-foot site and ownership classes, southwest Oregon, January 1, 1975^{1/}

SITE CLASS ^{2/}	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
CUBIC FEET ----- THOUSAND ACRES -----						
225 OR MORE	11	3	--	24	21	58
165 TO 224	107	141	38	218	102	606
120 TO 164	494	496	70	694	216	1,970
85 TO 119	570	340	16	410	181	1,517
50 TO 84	749	335	25	173	213	1,495
20 TO 49	87	14	30	122	243	495
ALL CLASSES	2,019	1,329	180	1,641	974	6,143

^{1/}Totals may be off because of rounding.

^{2/}Capacity for cubic-foot annual growth per acre at culmination of mean annual growth in fully stocked natural stands.

Table 64 — Area of timberland by stand-size and ownership classes, southwest Oregon, January 1, 1975^{1/}

STAND-SIZE CLASS	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
THOUSAND ACRES						
SAWTIMBER STANDS:						
LARGE SAWTIMBER ^{2/}	1,220	728	42	365	69	2,424
SMALL SAWTIMBER ^{3/}	351	248	84	419	352	1,453
TOTAL	1,571	976	126	784	421	3,877
POLETIMBER STANDS:	111	25	12	170	197	513
SAPLING AND SEEDLINGS	291	268	40	554	252	1,404
NONSTOCKED AREAS	46	60	2	134	107	349
ALL CLASSES	2,019	1,329	180	1,641	974	6,143

^{1/}Totals may be off because of rounding.

^{2/}Large sawtimber includes trees 21.0-inch d.b.h. and larger.

^{3/}Small sawtimber includes softwood trees 9.0- to 20.9-inch d.b.h. and hardwood trees 11.0- to 20.9-inch d.b.h.

Table 65 — Area of timberland by forest type and ownership class, southwest Oregon, January 1, 1975 ^{1/}

FOREST TYPE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
THOUSAND ACRES						
DOUGLAS-FIR	1,164	1,003	85	871	260	3,383
WHITE FIR	133	54	--	37	12	237
INCENSE-CEDAR	11	22	2	39	37	111
WESTERN HEMLOCK	36	25	--	40	8	109
GRAND FIR	20	10	2	35	37	105
PONDEROSA PINE	33	27	--	9	23	91
LOGEPOLE PINE	68	--	--	--	15	83
PORT-ORFORD-CEDAR	19	4	9	29	15	76
SHASTA RED FIR	70	--	--	--	--	70
MOUNTAIN HEMLOCK	60	--	--	--	--	60
WESTERN REDCEDAR	7	7	--	31	6	51
SITKA SPRUCE	--	--	--	9	17	26
JEFFREY PINE	2	--	--	23	--	25
SUGAR PINE	9	16	--	--	--	25
NOBLE FIR	18	2	--	--	--	20
WESTERN WHITE PINE	17	--	--	--	--	17
KNOBCONE PINE	14	--	--	--	--	14
PACIFIC SILVER FIR	14	--	--	--	--	14
REDWOOD	5	--	--	6	--	11
SUBALPINE FIR	5	--	--	--	--	5
ENGELMANN SPRUCE	1	--	--	--	--	1
RED ALDER	16	15	44	170	106	351
MADRONE	28	38	13	63	175	317
TANOAK	162	--	--	--	--	162
CALIFORNIA BLACK OAK	6	15	--	32	51	104
OREGON WHITE OAK	--	1	9	6	62	79
MAPLE	--	8	--	23	18	49
CHINKAPIN	29	1	--	--	--	30
CANYON LIVE OAK	22	--	--	--	--	22
CALIFORNIA LAUREL	2	--	--	--	--	2
OTHER HARDWOODS	1	25	13	109	77	225
NONCOMMERCIAL HARDWOODS	--	2	--	10	22	35
UNCLASSIFIED ^{2/}	46	54	2	99	33	235
ALL TYPES	2,019	1,329	180	1,641	974	6,143

^{1/}Totals may be off because of rounding.

^{2/}Unclassified type is less than 10 percent stocked with live trees.

Table 66 — Area of reserved timberland by forest type and ownership class, southwest Oregon, January 1, 1975^{1/}

FOREST TYPE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND ACRES</u>						
TIMBERLAND:						
DOUGLAS-FIR	27	14	4	--	--	45
TRUE FIR	<u>2/</u>	--	--	--	--	<u>2/</u>
FIR-HEMLOCK	<u>2/</u>	--	--	--	--	<u>2/</u>
PONDEROSA PINE	1	<u>2/</u>	2	--	--	<u>3</u>
JEFFREY PINE	<u>2/</u>	--	--	--	--	<u>2/</u>
SUGAR PINE	<u>12</u>	<u>2/</u>	<u>2/</u>	--	--	<u>12</u>
WESTERN WHITE PINE	1	--	--	--	--	1
LODGEPOLE PINE	1	--	2	--	--	3
SITKA SPRUCE	1	--	4	--	--	5
PORT-ORFORD-CEDAR	--	--	<u>2/</u>	--	--	<u>2/</u>
ALDER	--	--	<u>2/</u>	--	--	<u>2/</u>
COTTONWOOD	--	<u>2/</u>	--	--	--	<u>2/</u>
HARDWOOD	6	--	<u>2/</u>	--	--	<u>6</u>
UNCLASSIFIED	2	--	--	--	--	2
TOTAL	52	15	12	--	--	79

^{1/}Totals may be off because of rounding.

2/Less than 500 acres.

Table 67 — Volume of timber on timberland by class of timber and by softwoods and hardwoods, southwest Oregon, January 1, 1975^{1/}

CLASS OF TIMBER	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>MILLION CUBIC FEET</u>		
SAWTIMBER TREES:			
SAW-LOG PORTION	18,839	1,085	19,924
UPPER-STEM PORTION	1,278	126	1,404
TOTAL	20,116	1,211	21,326
POLETIMBER TREES	1,153	779	1,932
ALL GROWING STOCK	21,268	1,990	23,260
SOUND CULL TREES	105	391	496
ROTTEN CULL TREES	815	204	1,018
SALVABLE DEAD TREES	489	--	489
ALL TIMBER	22,674	2,588	25,263

^{1/}Totals may be off because of rounding.

Table 68 — Volume of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, southwest Oregon, January 1, 1975^{1/}

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>CUBIC FEET</u> <u>PER ACRE</u>	<u>MILLION CUBIC FEET</u>		
GROWING STOCK: ^{2/}				
NATIONAL FOREST	5,241	10,156	425	10,581
BUREAU OF LAND MANAGEMENT	4,474	5,534	411	5,946
OTHER PUBLIC	3,883	514	185	699
FOREST INDUSTRY	2,696	3,893	531	4,424
OTHER PRIVATE	1,653	1,171	438	1,610
ALL OWNERSHIPS	3,786	21,268	1,990	23,260
	<u>BOARD FEET</u> <u>PER ACRE</u>	<u>MILLION BOARD FEET</u>		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}				
NATIONAL FOREST	30,211	59,410	1,585	60,995
BUREAU OF LAND MANAGEMENT	25,059	32,018	1,284	33,303
OTHER PUBLIC	22,422	3,122	914	4,036
FOREST INDUSTRY	15,274	23,486	1,577	25,064
OTHER PRIVATE	7,040	5,805	1,052	6,857
ALL OWNERSHIPS	21,204	123,842	6,412	130,255
	<u>BOARD FEET</u> <u>PER ACRE</u>	<u>MILLION BOARD FEET</u>		
SAWTIMBER (SCRIBNER RULE): ^{4/}				
NATIONAL FOREST	23,723	46,632	1,265	47,897
BUREAU OF LAND MANAGEMENT	23,035	29,353	1,260	30,613
OTHER PUBLIC	16,761	2,289	728	3,017
FOREST INDUSTRY	11,492	17,565	1,295	18,859
OTHER PRIVATE	4,762	3,781	858	4,638
ALL OWNERSHIPS	17,097	99,619	5,405	105,024

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

^{4/}Includes trees 11.0-inch d.b.h. and larger.

Table 69 — Volume of growing stock and sawtimber on timberland by county and ownership class, southwest Oregon, January 1, 1975^{1/}

COUNTY	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION CUBIC FEET</u>						
GROWING STOCK: ^{2/}						
COOS	327	1,012	441	999	490	3,269
CURRY	1,782	254	11	214	262	2,523
DOUGLAS	5,537	2,859	189	2,274	436	11,295
JACKSON	1,833	988	13	856	207	3,897
JOSEPHINE	1,102	833	45	81	215	2,276
TOTAL	10,581	5,946	699	4,424	1,610	23,260
<u>MILLION BOARD FEET</u>						
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}						
COOS	2,108	6,215	2,595	5,291	2,417	18,626
CURRY	10,511	1,309	75	876	1,115	13,886
DOUGLAS	32,689	16,514	1,100	13,921	1,670	65,894
JACKSON	9,622	4,925	66	4,591	957	20,161
JOSEPHINE	6,065	4,340	199	384	696	11,684
TOTAL	60,995	33,303	4,036	25,064	6,857	130,255
<u>MILLION BOARD FEET</u>						
SAWTIMBER (SCRIBNER RULE): ^{4/}						
COOS	1,904	5,767	1,933	4,024	1,750	15,378
CURRY	8,303	1,220	62	649	822	11,056
DOUGLAS	25,488	15,306	844	10,730	1,088	53,456
JACKSON	7,433	4,405	45	3,211	552	15,646
JOSEPHINE	4,769	3,916	131	244	423	9,483
TOTAL	47,897	30,613	3,017	18,859	4,638	105,024

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwoods trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

^{4/}Includes trees 11.0-inch d.b.h. and larger.

Table 70 — Volume of growing stock on timberland by species and ownership class, southwest Oregon, January 1, 1975^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION CUBIC FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	6,610	4,375	439	2,890	736	15,050
TRUE FIRS ^{2/}	1,213	253	5	255	61	1,786
WESTERN HEMLOCK	767	315	16	279	64	1,441
SUGAR PINE	389	155	3/	65	7	616
PONDEROSA PINE	188	185	4	83	58	518
INCENSE-CEDAR	155	112	8	80	97	452
WESTERN REDCEDAR	75	110	--	145	38	368
SHASTA RED FIR	247	--	--	--	2	249
WESTERN WHITE PINE	165	3	--	--	--	168
LOGEPOLE PINE	113	--	--	--	11	124
JEFFREY PINE	--	--	2	42	--	44
REDWOOD	37	--	--	15	--	52
OTHER SOFTWOODS ^{4/}	198	26	41	42	97	402
TOTAL	10,156	5,534	514	3,893	1,171	21,268
HARDWOODS:						
RED ALDER	54	63	160	247	157	681
WHITE ALDER	--	--	--	10	3	13
OTHER HARDWOODS ^{5/}	371	348	24	274	282	1,296
TOTAL	425	411	185	531	438	1,990
ALL SPECIES	10,581	5,946	699	4,424	1,610	23,260

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Less than 500,000 cubic feet.

^{4/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{5/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 71 — Volume of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, southwest Oregon, January 1, 1975^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	40,695	25,907	2,787	17,923	3,655	90,966
TRUE FIRS ^{2/}	6,432	1,259	19	1,326	259	9,295
WESTERN HEMLOCK	3,592	1,722	59	1,458	290	7,121
SUGAR PINE	2,460	891	--	416	39	3,806
PONDEROSA PINE	1,103	1,031	22	505	309	2,970
INCENSE-CEDAR	819	508	44	416	507	2,294
WESTERN REDCEDAR	355	553	--	931	218	2,057
SHASTA RED FIR	1,457	--	--	--	7	1,464
WESTERN WHITE PINE	885	16	--	--	--	901
LODGEPOLE PINE	262	--	--	--	45	307
REDWOOD	253	--	--	87	--	340
JEFFREY PINE	--	--	15	232	--	247
OTHER SOFTWOODS ^{3/}	1,100	129	176	194	477	2,075
TOTAL	59,410	32,018	3,122	23,486	5,805	123,842
HARDWOODS:						
RED ALDER	358	258	840	711	366	2,533
WHITE ALDER	--	--	--	58	13	71
OTHER HARDWOODS ^{4/}	1,227	1,026	74	809	671	3,808
TOTAL	1,585	1,284	914	1,577	1,052	6,412
ALL SPECIES	60,995	33,303	4,036	25,064	6,857	130,255

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 72 — Volume of sawtimber, Scribner rule, on timberland by species and ownership class, southwest Oregon, January 1, 1975^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>MILLION BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	32,711	23,859	2,116	13,740	2,413	74,838
TRUE FIRS ^{2/}	4,885	1,123	7	826	149	6,991
WESTERN HEMLOCK	2,551	1,492	37	968	171	5,219
SUGAR PINE	1,976	833	--	313	27	3,149
PONDEROSA PINE	884	938	9	370	191	2,393
INCENSE-CEDAR	560	463	29	297	329	1,678
WESTERN REDCEDAR	260	499	--	722	148	1,629
SHASTA RED FIR	1,124	--	--	--	2	1,126
WESTERN WHITE PINE	665	14	--	--	--	679
REDWOOD	203	--	--	74	--	277
LODGEPOLE PINE	154	--	--	--	26	180
JEFFREY PINE	--	--	11	141	--	152
OTHER SOFTWOODS ^{3/}	661	129	79	114	325	1,307
TOTAL	46,632	29,353	2,289	17,565	3,781	99,619
HARDWOODS:						
RED ALDER	233	256	668	575	291	2,023
WHITE ALDER	--	--	--	47	10	57
OTHER HARDWOODS ^{4/}	1,032	1,004	60	673	557	3,326
TOTAL	1,265	1,260	728	1,295	858	5,405
ALL SPECIES	47,897	30,613	3,017	18,859	4,638	105,024

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 73— Volume of growing stock on timberland by species and diameter class, southwest Oregon, January 1, 1975^{1/}

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- 28.9	29.0- 38.9	39.0- PLUS	
	<u>MILLION CUBIC FEET</u>											
SOFTWOODS:												
DOUGLAS-FIR	286	380	413	500	520	533	601	603	2,543	3,260	5,411	15,050
TRUE FIRS ^{2/}	58	80	99	110	129	134	119	136	412	270	239	1,786
WESTERN HEMLOCK	72	97	99	128	112	130	114	110	325	145	109	1,441
SUGAR PINE	8	4	8	13	15	12	12	25	94	165	262	616
PONDEROSA PINE	7	12	16	21	24	23	28	34	109	118	128	518
INCENSE-CEDAR	11	12	13	15	23	18	33	21	91	107	108	452
WESTERN REDCEDAR	5	13	14	14	12	12	17	15	61	78	126	368
SHASTA RED FIR	5	7	9	13	14	13	14	17	61	50	46	249
WESTERN WHITE PINE	5	6	9	6	11	7	13	11	56	21	23	168
LODGEPOLE PINE	18	23	25	28	13	9	5	3	2	--	--	124
JEFFREY PINE	--	--	3	1	3	21	4	--	10	1	1	44
REDWOOD	--	--	1	--	2	2	2	3	6	15	24	52
OTHER SOFTWOODS ^{3/}	25	23	28	27	24	21	33	12	82	64	66	402
TOTAL	497	656	734	874	902	936	996	989	3,853	4,294	6,541	21,268
HARDWOODS:												
RED ALDER	66	71	88	79	89	88	78	56	64	5	--	681
WHITE ALDER	--	--	--	1	2	1	7	3	--	--	--	13
OTHER HARDWOODS ^{4/}	188	204	174	167	127	89	78	68	137	58	14	1,296
TOTAL	252	274	261	244	217	178	160	129	201	62	13	1,990
ALL SPECIES	750	930	995	1,118	1,120	1,113	1,155	1,118	4,055	4,356	6,554	23,260

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 74 — Volume of sawtimber, International 1/4-inch rule, on timberland by species and diameter class, southwest Oregon, January 1, 1975 ^{1/}

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)									
	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- 28.9	29.0- 38.9	39.0- PLUS	ALL CLASSES
	MILLION BOARD FEET									
SOFTWOODS:										
DOUGLAS-FIR	1,895	2,468	2,778	3,033	3,553	3,638	15,934	21,029	36,638	90,966
TRUE FIRS ^{2/}	327	512	646	718	660	735	2,472	1,699	1,530	9,295
WESTERN HEMLOCK	339	641	584	720	648	628	1,951	921	688	7,121
SUGAR PINE	41	51	76	61	69	133	572	1,056	1,748	3,806
PONDEROSA PINE	52	89	100	126	152	203	659	743	846	2,970
INCENSE-CEDAR	39	50	99	82	155	100	498	623	648	2,294
WESTERN REDCEDAR	50	64	57	62	96	80	353	472	822	2,057
SHASTA RED FIR	34	55	68	78	81	97	392	334	324	1,464
WESTERN WHITE PINE	31	24	51	39	64	69	333	139	151	901
LODGEPOLE PINE	23	118	65	45	27	18	11	--	--	307
REDWOOD	2	--	8	9	7	18	37	96	143	340
JEFFREY PINE	11	5	16	119	22	--	64	5	4	247
OTHER SOFTWOODS ^{3/}	116	114	127	104	169	79	491	421	457	2,075
TOTAL	2,960	4,191	4,675	5,196	5,703	5,798	23,767	27,538	43,999	123,842
HARDWOODS:										
RED ALDER	--	353	457	493	457	344	408	22	--	2,533
WHITE ALDER	--	4	8	2	42	16	--	--	--	71
OTHER HARDWOODS ^{4/}	--	674	583	450	404	388	827	400	86	3,808
TOTAL	--	1,155	1,129	984	932	771	1,279	435	90	6,412
ALL SPECIES	2,960	5,346	5,804	6,180	6,635	6,569	25,046	27,973	44,089	130,255

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 75 — Volume of sawtimber, Scribner rule, on timberland by species and diameter class, southwest Oregon, January 1, 1975^{1/}

SPECIES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)								
	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0- 38.9	39.0 PLUS	ALL CLASSES
	<u>MILLION BOARD FEET</u>								
SOFTWOODS:									
DOUGLAS-FIR	1,543	1,907	2,191	2,659	2,830	13,095	18,070	32,543	74,838
TRUE FIRS ^{2/}	322	420	478	470	544	1,977	1,443	1,336	6,991
WESTERN HEMLOCK	402	398	497	472	477	1,560	809	605	5,219
SUGAR PINE	36	50	47	51	99	460	882	1,521	3,149
PONDEROSA PINE	48	67	88	114	154	543	646	735	2,393
INCENSE-CEDAR	26	53	52	95	71	364	496	522	1,678
WESTERN REDCEDAR	40	36	43	65	60	296	394	694	1,629
SHASTA RED FIR	35	44	52	56	70	305	280	284	1,126
WESTERN WHITE PINE	18	33	26	47	50	261	115	128	679
REDWOOD	--	6	6	6	14	28	79	138	277
LODGEPOLE PINE	72	43	29	17	11	7	--	--	180
JEFFREY PINE	3	9	73	14	--	46	4	3	152
OTHER SOFTWOODS ^{3/}	54	71	63	109	48	342	293	330	1,307
TOTAL	2,599	3,137	3,645	4,175	4,428	19,284	23,511	38,839	99,619
HARDWOODS:									
RED ALDER	266	351	389	371	283	342	20	--	2,023
WHITE ALDER	3	6	1	34	13	--	--	--	57
OTHER HARDWOODS ^{4/}	551	487	385	354	318	763	389	83	3,325
TOTAL	820	844	775	759	614	1,105	409	83	5,405
ALL SPECIES	3,419	3,981	4,420	4,934	5,042	20,389	23,920	38,922	105,024

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 76 — Net annual growth of growing stock and sawtimber on timberland by ownership class and by softwoods and hardwoods, southwest Oregon, 1974^{1/}

OWNERSHIP CLASS	AVERAGE VOLUME	SOFTWOODS	HARDWOODS	ALL SPECIES
	<u>CUBIC FEET</u> <u>PER ACRE</u>	----- <u>THOUSAND CUBIC FEET</u> -----		
GROWING STOCK: ^{2/}				
NATIONAL FOREST	38	69,840	6,800	76,640
BUREAU OF LAND MANAGEMENT	39	40,465	11,441	51,906
OTHER PUBLIC	61	10,782	269	11,051
FOREST INDUSTRY	47	61,416	16,430	77,845
OTHER PRIVATE	59	40,819	16,549	57,368
ALL OWNERSHIPS	45	223,322	51,489	274,810
	<u>BOARD FEET</u> <u>PER ACRE</u>	----- <u>THOUSAND BOARD FEET</u> -----		
SAWTIMBER (INTERNATIONAL 1/4-INCH RULE): ^{3/}				
NATIONAL FOREST	197	368,800	29,000	397,800
BUREAU OF LAND MANAGEMENT	171	184,539	42,217	226,756
OTHER PUBLIC	367	58,449	7,622	66,072
FOREST INDUSTRY	250	346,768	64,239	411,008
OTHER PRIVATE	230	190,732	33,725	224,457
ALL OWNERSHIPS	216	1,149,289	176,803	1,326,092

^{1/}Totals may be off because of rounding.

^{2/}Includes trees 5.0-inch d.b.h. and larger.

^{3/}Includes softwood trees 9.0-inch d.b.h. and larger and hardwood trees 11.0-inch d.b.h. and larger.

Table 77 — Net annual growth of growing stock on timberland by species and ownership class, southwest Oregon, 1974^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
THOUSAND CUBIC FEET						
SOFTWOODS:						
DOUGLAS-FIR	38,500	27,726	8,385	38,719	24,756	138,086
WESTERN HEMLOCK	8,730	4,928	1,087	8,407	4,072	27,224
TRUE FIRS 2/	13,220	3,769	277	8,803	3,083	29,152
PONDEROSA PINE	1,830	1,509	3/-101	1,027	1,190	5,455
WESTERN REDCEDAR	1,190	998	--	907	1,149	4,244
INCENSE-CEDAR	1,260	716	8	640	1,508	4,133
SUGAR PINE	1,550	242	3/-174	502	161	2,281
SHASTA RED FIR	1,560	--	--	--	71	1,631
LODGEPOLE PINE	1,080	--	--	--	383	1,463
REDWOOD	260	--	--	617	--	877
JEFFREY PINE	--	--	29	237	--	266
WESTERN WHITE PINE	3/-770	2	--	--	--	3/-768
OTHER SOFTWOODS 4/	1,430	575	1,272	1,558	4,446	9,280
TOTAL	69,840	40,465	10,782	61,416	40,819	223,322
HARDWOODS:						
RED ALDER	400	700	25	13,215	8,454	22,794
WHITE ALDER	--	--	--	200	45	245
OTHER HARDWOODS 5/	6,400	10,741	244	3,016	8,050	28,451
TOTAL	6,800	11,441	269	16,430	16,549	51,489
ALL SPECIES	76,640	51,906	11,051	77,845	57,368	274,810

1/Totals may be off due to rounding.

2/Includes grand fir, white fir, noble fir, and subalpine fir.

3/Negative net annual growth is the result of net annual mortality exceeding gross annual growth.

4/Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann spruce and Sitka spruce.

5/Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California laurel.

Table 78 — Net annual growth of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, southwest Oregon, 1974^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	217,700	135,798	43,857	201,008	109,045	707,408
WESTERN HEMLOCK	33,100	12,193	3,774	52,300	17,370	118,737
TRUE FIRS ^{2/}	68,293	18,685	1,230	56,332	13,681	158,221
PONDEROSA PINE	10,200	6,325	78	7,016	9,373	32,992
WESTERN REDCEDAR	4,600	4,779	--	8,777	7,736	25,892
INCENSE-CEDAR	4,800	2,276	270	3,295	8,294	18,935
SUGAR PINE	8,700	2,075	^{3/} -1,330	3,197	920	13,562
SHASTA RED FIR	10,607	--	--	--	762	11,369
LOGEPOLE PINE	4,800	--	--	--	492	5,292
REDWOOD	1,900	--	--	3,706	--	5,606
JEFFREY PINE	--	--	194	1,972	--	2,166
WESTERN WHITE PINE	^{3/} -4,199	207	--	--	--	^{3/} -3,993
OTHER SOFTWOODS ^{4/}	8,300	2,201	10,378	9,164	23,060	53,103
TOTAL	368,800	184,539	58,449	346,768	190,732	1,149,289
HARDWOODS:						
RED ALDER	4,000	6,399	6,177	36,363	14,106	67,045
WHITE ALDER	--	--	--	1,382	543	1,924
OTHER HARDWOODS ^{5/}	25,000	35,818	1,445	26,495	19,077	107,833
TOTAL	29,000	42,217	7,622	64,239	33,725	176,803
ALL SPECIES	397,800	226,756	66,072	411,008	224,457	1,326,092

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Negative net annual growth is the result of net annual mortality exceeding gross annual growth.

^{4/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann spruce and Sitka spruce.

^{5/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California laurel.

Table 79— Average annual mortality of growing stock on timberland by species and ownership class, southwest Oregon, 1974^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS	THOUSAND CUBIC FEET						
SOFTWOODS:													
DOUGLAS-FIR	26,870	32,779	888	15,995	5,155	81,687							
TRUE FIRS ^{2/}	5,765	2,750	--	2,588	441	11,543							
WESTERN HEMLOCK	2,920	1,541	--	1,400	234	6,095							
SUGAR PINE	2,900	1,716	195	516	--	5,327							
PONDEROSA PINE	1,720	1,350	197	589	613	4,468							
WESTERN WHITE PINE	2,240	100	--	--	--	2,340							
SHASTA RED FIR	1,565	--	--	--	--	1,565							
INCENSE-CEDAR	190	718	95	304	61	1,368							
WESTERN REDCEDAR	10	331	--	912	--	1,253							
LODGEPOLE PINE	1,050	--	--	--	194	1,244							
JEFFREY PINE	--	--	--	365	--	365							
REDWOOD	100	--	--	--	--	100							
OTHER SOFTWOODS ^{3/}	570	--	391	486	612	2,059							
TOTAL	45,900	41,285	1,765	23,156	7,309	119,415							
HARDWOODS:													
RED ALDER	600	600	2,591	1,808	1,638	7,237							
OTHER HARDWOODS ^{4/}	600	1,553	392	4,997	2,940	10,484							
TOTAL	1,200	2,153	2,984	6,806	4,579	17,722							
ALL SPECIES	47,100	43,438	4,749	29,962	11,887	137,136							

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 80 — Average annual mortality of sawtimber, International 1/4-inch rule, on timberland by species and ownership class, southwest Oregon, 1974 ^{1/}

SPECIES	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE	ALL OWNERSHIPS
<u>THOUSAND BOARD FEET</u>						
SOFTWOODS:						
DOUGLAS-FIR	167,700	183,356	5,776	90,830	25,679	473,341
TRUE FIRS ^{2/}	31,144	14,590	--	11,048	1,882	58,664
SUGAR PINE	19,300	8,702	1,330	3,182	--	32,514
WESTERN HEMLOCK	11,700	8,077	--	5,136	1,118	26,031
PONDEROSA PINE	4,000	6,834	961	2,463	1,195	15,453
WESTERN WHITE PINE	12,200	800	--	--	--	13,000
SHASTA RED FIR	10,356	--	--	--	--	10,356
INCENSE-CEDAR	1,000	2,574	443	898	363	5,278
WESTERN REDCEDAR	100	1,500	--	2,505	--	4,105
LOGEPOLE PINE	2,000	--	--	--	1,119	3,119
JEFFREY PINE	--	--	--	1,919	--	1,919
REDWOOD	700	--	--	--	--	700
OTHER SOFTWOODS ^{3/}	2,600	314	489	1,370	583	5,356
TOTAL	262,800	226,747	8,999	119,349	31,939	649,834
HARDWOODS:						
RED ALDER	3,900	2,000	10,585	2,480	2,423	21,388
OTHER HARDWOODS ^{4/}	3,100	3,250	137	6,258	4,554	17,300
TOTAL	7,000	5,250	10,722	8,738	6,977	38,688
ALL SPECIES	269,800	231,997	19,721	128,088	38,916	688,522

^{1/}Totals may be off due to rounding.

^{2/}Includes grand fir, white fir, noble fir, and subalpine fir.

^{3/}Includes Port-Orford-cedar, Alaska-cedar, knobcone pine, and Engelmann and Sitka spruces.

^{4/}Includes bigleaf maple, madrone, golden chinkapin, Oregon ash, cottonwood, oaks, and California-laurel.

Table 81 — Area of timberland by stand-size and ownership classes, western Oregon, January 1, 1963^{1/}

STAND-SIZE CLASS	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE
	<u>THOUSAND ACRES</u>		
SAWTIMBER STANDS:			
LARGE SAWTIMBER ^{1/}	112	1,038	348
SMALL SAWTIMBER ^{2/}	304	832	908
TOTAL	416	1,870	1,256
POLETIMBER STANDS:	83	954	416
SAPLINGS AND SEEDLINGS	231	889	676
NONSTOCKED AREAS	198	338	704
ALL CLASSES	928	3,551	3,052

^{1/}Large sawtimber includes trees 21.0-inch d.b.h. and larger.

^{2/}Small sawtimber includes softwood trees 9.0- to 20.9-inch d.b.h. and hardwood trees 11.0- to 20.9-inch d.b.h.

Table 82 — Volume of growing stock on timberland by species and ownership class, western Oregon, January 1, 1963^{1/}

SPECIES	OTHER PUBLIC	FOREST INDUSTRY	OTHER PRIVATE
<u>MILLION CUBIC FEET</u>			
SOFTWOODS:			
DOUGLAS-FIR	1,173	8,737	2,766
WESTERN HEMLOCK	524	2,045	492
TRUE FIRS	20	231	126
WESTERN REDCEDAR	27	417	173
PACIFIC SILVER FIR	2	21	38
SUGAR PINE	2	79	7
PONDEROSA PINE	8	118	56
MOUNTAIN HEMLOCK	--	5	--
INCENSE-CEDAR	10	112	96
WESTERN WHITE PINE	--	17	--
SHASTA RED FIR	--	--	11
LODGEPOLE PINE	--	--	27
JEFFREY PINE	2	39	--
REDWOOD	--	14	--
WESTERN LARCH	--	--	--
OTHER SOFTWOODS	75	233	216
TOTAL	1,843	12,068	4,008
HARDWOODS:			
RED ALDER	322	489	1,474
WHITE ALDER	--	7	3
OTHER HARDWOODS	97	521	56
TOTAL	419	1,017	1,533
ALL SPECIES	2,262	13,085	5,541

^{1/}Includes trees 5.0-inch d.b.h. and larger.

Metric Equivalents

1,000 acres = 404.7 hectares (ha)
1,000 cubic feet = 28.3 cubic meters (m³)
1 cubic foot per acre = 0.07 cubic meter per hectare (m³/ha)
1 foot = 0.3048 meter (m)
1 inch = 2.54 centimeters (cm)
1 mile = 1.609 kilometers (km)

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This report summarizes and interprets the results of a timber resource inventory of western Oregon made between 1973 and 1976. Detailed tables give land and forest area, timber volume, growth, and mortality for western Oregon and for southwest Oregon, west-central Oregon, and northwest Oregon.

Keywords: Forest survey, statistics (timber, timber resources, resources (timber), Oregon (western), western Oregon.

The **Forest Service** of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of tree National Forests and National Grasslands, it strives—as directed by Congress—to provide increasingly greater service to a growing nation.

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