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The Hardwood Resource in Western Oregon

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Abstract

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The hardwood resource in western Oregon is described by species and ownership. Changes in the private hardwood resource between 1961-62 and 1973-76 are shown. Statistics of size, volume, and ownership by county are presented for red alder (***Alnus rubra*** Bong.) and bigleaf maple (***Acer macrophyllum*** Pursh).

Keywords: Hardwoods, timber resources, resources (forest), red alder, ***Alnus rubra***, bigleaf maple, ***Acer macrophyllum***, western Oregon, Oregon (western).

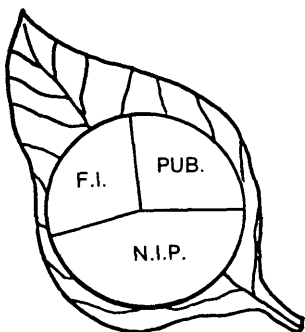
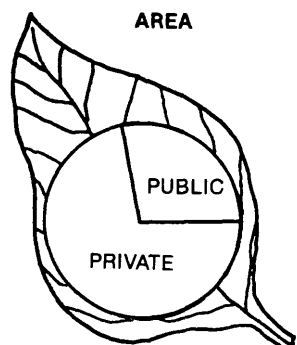
Research Summary

The area and volume of the hardwood resources on all timberland in western Oregon are described based on a 1973-76 inventory. Change in the hardwood resource on non-Federal timberland is based on remeasurement of plots established in 1961-62. In western Oregon 2.7 million acres, or 20 percent of the total timberland area, is classified as hardwood type. Of the total area in hardwood type 70 percent occurs on private timberland and 30 percent on public timberland. Red alder (***Alnus rubra*** Bong.) is the most common hardwood species, but the amount of red alder decreases from north to south in western Oregon. Although hardwoods are 8 percent of the total growing stock volume in western Oregon, they are less than 1 percent of the total timber harvest. The area of hardwood type in private ownership decreased 7 percent during the period between inventories, mainly because of the conversion of timberland to nonforest uses; however, hardwood volume increased. Hardwoods occupy 32 percent of all timberland capable of growing 85 cubic feet or more softwood volume per acre per year. Volume by diameter class and owner class by county are presented for red alder (***Alnus rubra*** Bong.) and bigleaf maple (***Acer macrophyllum*** Pursh).

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Introduction



Whenever hardwoods are discussed in the Pacific Northwest, three groups of people are interested. A small group, presently converting hardwoods to many different products, wants to know where additional supplies are located. A second group is interested in hardwoods but wants to know more before investing in processing plants. A third group considers hardwoods an obstacle to growing more softwood trees. In the Western United States, most softwood trees are more valuable than hardwoods, and forest management and forest industry in the Northwest are geared to growing softwood trees and producing softwood products.

In this report, we describe the hardwood resource by species and owner; present statistics for each county on size, volume, and ownership of the two principal hardwood species, red alder and bigleaf maple;¹ and examine the potential **loss** of softwood timber when hardwoods occupy softwood sites. We trace the change in area occupied by hardwoods over time to determine whether the hardwoods are increasing or decreasing.

The hardwood timber type is found on 2.7 million (20 percent) of the 13.7 million acres of timberland in western Oregon (Gedney 1982). Of the hardwood area, 70 percent is on private timberland (fig. 1); 30 percent on public timberland. The volume in hardwood trees totals 8 percent (4.8 billion cubic feet) of the total volume of all trees in western Oregon; 58 percent of the hardwood volume is on private timberland, 42 percent on public timberland.



Figure 1.—A common sight on farms in western Oregon is small woodlots providing both fuel and shelter.

¹See "Names of Trees" for scientific names.

Methods

The information in this report was obtained by field measurement in 1973-76 of 961 permanent plots on non-Federal timberland in western Oregon. These plots were originally installed and measured in 1961-62. Information on change and timber production on non-Federal timberland came from comparisons of the 1961-62 inventory data with those of the 1973-76 inventory. Plot data were used to develop detailed statistics. Statistics for Federal timberland came from inventories conducted by Federal agencies; plot data were not available for these inventories. Thus, neither the data that come from remeasurement of inventory plots nor the detailed statistics include Federal owners.

Reliability of Data

Sampling errors and their associated confidence intervals (0.68 probability level) can be or have been calculated for all non-Federal area and volume estimates. Sampling errors for National Forest and Bureau of Land Management (BLM), U.S. Department of the Interior, lands (Gedney 1982) were not available.

Confidence intervals can be calculated for statistics presented in tables 1-15 as follows:

Timberland area (by type or class):

$$\text{Confidence interval (M acres)} = 3.32(A)^{0.44};$$

where:

M acres is thousand acres, and

A is timberland area in M acres.

Timberland volume:

$$\text{Confidence interval (M ft}^3\text{)} = 1.796(V)^{0.616};$$

where:

M ft³ is thousand cubic feet, and

V is net cubic-foot volume in M ft³.

Timberland growth:

$$\text{Confidence interval (M ft}^3\text{)} = 5.81(V)^{0.669};$$

where:

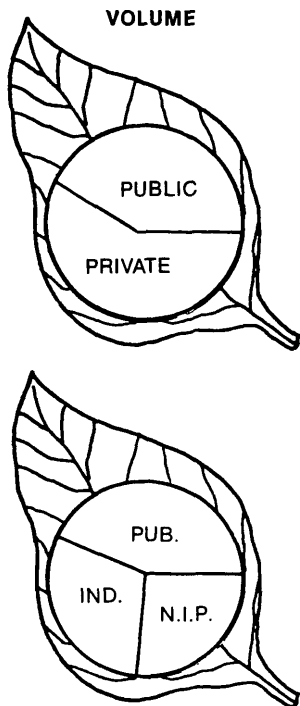
V is net annual cubic-foot growth in M ft³.

For tables 16-54, sampling errors and their associated confidence intervals have been calculated and are shown in the tables.

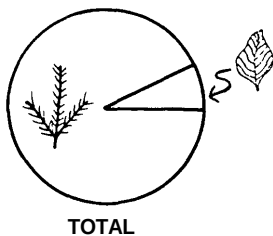
The Hardwood Timber Resource Distribution

Although half the hardwood area is in southwest Oregon, hardwoods account for about the same proportion of total forest area in each of the three western Oregon inventory units (fig. 2). In northwest Oregon, 20 percent of the total timberland area is in hardwood type; in west-central Oregon, 16 percent; and in southwest Oregon, 22 percent.

The distribution of volume does not follow the distribution of hardwood area because the higher site lands in northwest Oregon support greater volumes per acre. Northwest Oregon has 34 percent of the hardwood volume; west-central Oregon, 24 percent; and southwest Oregon, 42 percent.



Ownership



Species

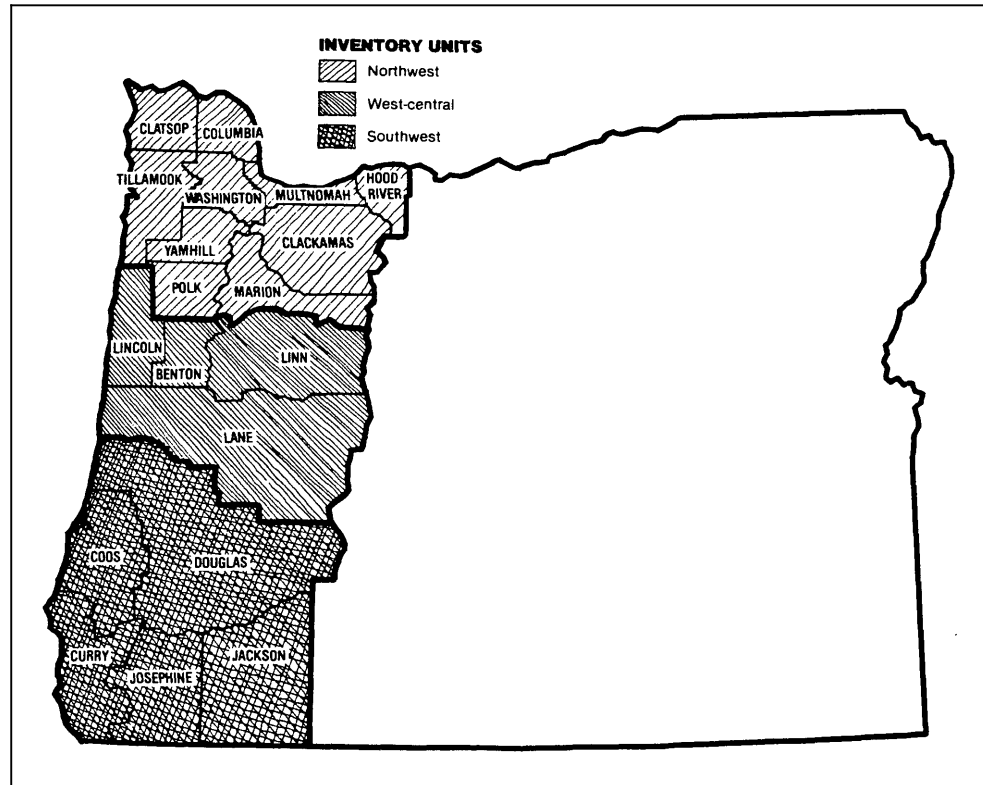


Figure 2.—Western Oregon inventory units and counties.

Hardwoods occur most frequently on nonindustrial private timberland. This ownership accounts for 31 percent of the hardwood volume and 42 percent of the hardwood area in western Oregon. Timberland owned by forest industry accounts for 26 percent of the hardwood volume and 28 percent of the hardwood area. Although public timberlands contain smaller areas of hardwoods, volumes per acre are higher. National Forests have 18 percent of hardwood volume but only 15 percent of hardwood types. Similarly, the Bureau of Land Management has 13 percent of the hardwood volume but only 6 percent of the area; other public owners (mainly State of Oregon) have 12 percent of the volume but only 9 percent of the area.

Private ownership of hardwoods decreases from north to south. In northwest Oregon, 70 percent of the hardwood volume is in private ownership; in west-central Oregon, 54 percent; and in southwest Oregon, 49 percent.

Red alder is not only the most valuable hardwood species in western Oregon in terms of its use for many forest products, it is also the most common. Of the total hardwood inventory, 54 percent is red alder. Alder usually grows on moist, deep soils commonly found in northwest and west-central Oregon (fig. 3); of the total hardwood inventory, 69 percent is alder in northwest Oregon and 65 percent in west-central Oregon. Although alder is only 34 percent of the inventory volume in southwest Oregon, it still is a significant component of stand volume.



Figure 3.—Alder usually grows on moist, deep soils in north-west and west-central Oregon.



Figure 4.—Oregon white oak is a common hardwood species in the Willamette Valley.

Red alder tends to be concentrated in the coastal counties. Coos County has 19 percent of the volume of red alder in western Oregon; Lincoln County, 14 percent; Clatsop County, 13 percent; and Tillamook County, 11 percent. Most of the area of these counties is west of the summit of the Coast Ranges. These counties have the highest growth rate of red alder and 57 percent of the total volume in western Oregon. Actual values for alder volume by county are shown in table 16.

Both public and private timberland owners have substantial inventories of red alder. Public owners have 43 percent of the alder inventory; private owners, 57 percent. Within the non-Federal timberland ownership, two-thirds (66 percent) of the forest industry, 43 percent of the nonindustrial private, and 85 percent of the other public hardwood volume is red alder. Hardwood growing stock volume is shown in table 6.

An examination of plot data for non-Federal timberland shows 10 other hardwood species with reportable volumes, ranging from as much as 14 percent of the total hardwood volume to as little as 0.4 percent. Some of the more common species in descending order of volume are bigleaf maple, Oregon white oak (fig. 4), Pacific madrone, and tanoak (table 6).

Alder is found in all the coastal counties, but in southern Oregon it is limited to the coastal strip; evergreen hardwoods increase inland. Franklin and Dyrness (1973, p. 133) describe interior southwest Oregon as having a mixed-evergreen forest zone composed "of evergreen needle-leaved trees (upper strata) and sclerophyllous broad-leaved trees (lower strata)." They identify the forest composition (p. 134) as:

Without question, the most important tree species in the Mixed-Evergreen Zone are *Pseudotsuga menziesii* and *Lithocarpus densiflorus*; these are judged to be the major climax tree species. A variety of other trees may be present, hardwoods being the more characteristic: *Arbutus menziesii*, *Castanopsis chrysophylla*, and *Quercus chrysolepis*.

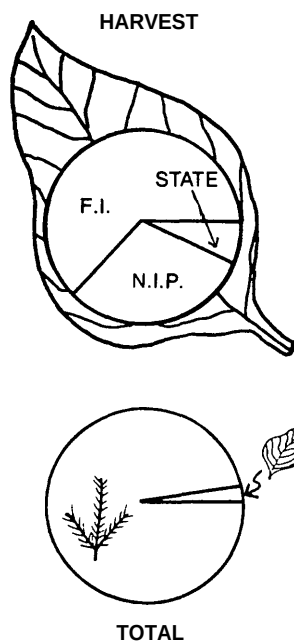


Figure 5.—Hardwoods harvested expressly for fuelwood are not included in annual harvest reports.



Figure 6.—Red alder is the major hardwood species harvested.

Harvest



Although hardwoods occupy 20 percent of the timber-growing area and are 8 percent of the western Oregon growing stock volume, they account for less than 1 percent (65 million board feet) of the timber harvest for all owners (Howard and Hiserote 1978). This estimate does not include harvest expressly for fuelwood (fig. 5).

When Federal lands, from which few hardwoods are normally harvested, are excluded from these statistics, the proportion of hardwoods harvested increases. From remeasured plot data from inventories made in 1961-62 and 1973-76, the annual hardwood harvest is estimated at 102.93 million board feet (21.4 million cubic feet); forest industry owners harvest 65 percent of the total. The annual hardwood harvest is 3 percent of the total annual timber harvest from non-Federal timberland owners; it includes saw logs, pulp, and fuelwood. Regardless of which harvest figure is used, the contribution of hardwoods to the timber economy of the State is minor.

The largest hardwood harvest is in southwest Oregon. Hardwoods there account for two-thirds of the hardwood timber harvest in western Oregon (tables 10-13).

Red alder is the major hardwood species harvested. It accounts for slightly more than one-half the non-Federal hardwood harvest in western Oregon and ranges from a low of 46 percent of the total hardwood harvest in southwest Oregon to 77 percent in northwest Oregon (fig. 6).

Change in the Private Hardwood Resource

The area of privately owned timberland in hardwood types decreased 7 percent between the 1961-62 and 1973-76 inventories of western Oregon. Most of the decrease in hardwood types resulted from the conversion of timberland to nonforest uses (Gedney 1981). There was a 15-percent loss of area in hardwood type on nonindustrial private timberland, mainly because timberland was converted to other land uses. A smaller loss of nonindustrial private hardwood type was through land acquisition by forest industry which increased its area of hardwood forest land by 13 percent.

<u>Owner</u>	<u>1961-62</u>	<u>1973-76</u>
	(Thousand acres)	
Forest industry	829	940
Nonindustrial	<u>1,462</u>	<u>1,243</u>
Total	2,291	2,183

Despite the net decrease in hardwood area on private timberland between 1961-62 and 1973-76 the volume of hardwoods increased 6 percent. The volume of hardwoods on nonindustrial private timberland decreased 4 percent but increased 20 percent on forest industry timberland.

Of the principal hardwood species only red alder substantially increased in volume; bigleaf maple, Pacific madrone, and tanoak all showed a smaller volume in 1973-76 than in 1961-62.

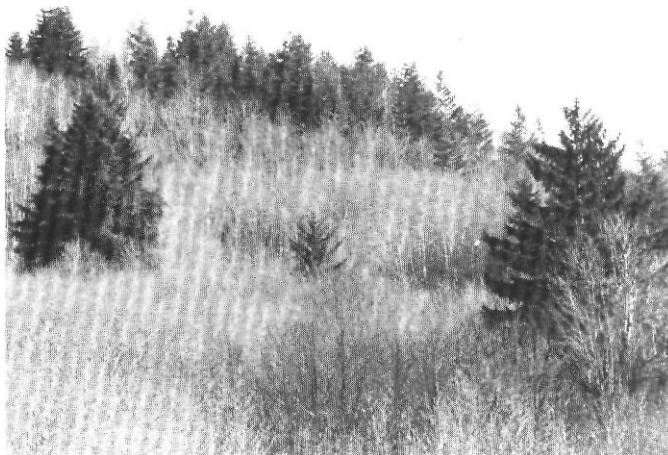
The average size of hardwood trees on both nonindustrial private and forest industry timberland decreased between inventories. The volume in trees 21.0 inches and larger in diameter decreased from 21 percent of the total hardwood volume in 1961-62 to 15 percent in 1973-76. The proportion of trees 9.0 to 20.9 inches in diameter increased from 56 to 62 percent, whereas the proportion of trees 5.0 to 9.9 inches in diameter stayed constant at 23 percent.

Hardwood Types On Softwood Sites

Red alder is usually found on the better softwood-growing sites; 97 percent is found on sites capable of growing 85 cubic feet or more of softwood volume per acre per year (prime forest land sites) (fig. 7).

When the total forest-land resource is examined, the impact of hardwoods on the potential for growing softwood becomes apparent. Red alder occupies 14 percent of all western Oregon timberland and 15 percent of the prime forest land. The area lost to softwood production because of hardwood occupancy is doubled when all hardwood types are considered. Hardwoods occupy 32 percent of the timberland capable of growing at least 85 cubic feet per acre per year.

Figure 7.—Red alder is usually found on the better softwood growing sites



Studies are in progress to evaluate the contribution of red alder to the productivity and general health of the forest. Maintaining red alder in Douglas-fir stands can increase merchantable yields in nitrogen-deficient sites (Miller and Murray 1978). Twenty to forty red alder uniformly distributed per acre will provide adequate nitrogen but will not seriously reduce Douglas-fir growing stock. Nelson and others reported in 1978 that:

Red alder, in mixture with conifer or preceding stands of conifers, may be useful in reducing damage from laminated root rot (*Phellinus weirii*) on infested sites. This benefit could result from changes in soil nitrate, pH, fatty acids, phenolic compounds, and microbial populations brought about by alder, as well as physical separation of susceptible root systems in mixed stands. Survey data tend to support this hypothesis. Disease incidence may be limited by reducing saprophytic survival of the pathogen or inhibiting its spread along conifer roots. Evidence for the former is greater than for the latter. Long-term experimental plots have been established to provide more definitive answers.

For red alder to become economically competitive with Douglas-fir and western hemlock, the stumpage price would have to increase 250 percent for naturally seeded stands and 400 percent for stands requiring site preparation and planting. This is not likely with existing markets. "Increased market competition for alder and improved utilization of smaller low quality trees would be necessary before alder could compare favorably with conifer realization" (McGillivray 1981).

In the summary of his economic analysis of alder, McGillivray (1981) acknowledges that management of alder as a commercial crop is currently profitable, but alder is worth considerably less than Douglas-fir and western hemlock. He ends with an optimistic note:

As future demands place stronger emphasis on fast growing timber crops, the profitability of alder will increase. At that time the management of alder as a fertilizing agent and principal crop will become more attractive.

Summary

Hardwoods occupy 32 percent of the prime softwood timberland growing sites in western Oregon. Of the hardwood timber type 70 percent is on private timberland, 30 percent on public timberland. Eight percent of the total timber growing-stock volume is hardwood, but hardwoods account for less than 1 percent of the annual harvest. There has been a slight decrease in total hardwood area but a modest increase in volume since 1962. Red alder, which accounts for 54 percent of the hardwood inventory, is usually found on the better sites. It may contribute to the productivity and health of the forest, but it is not economically competitive with softwoods.

Terminology

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 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—Trees that are angiosperms, usually broad leaved and deciduous.

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.

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

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

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

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

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

Prime timberland—Timberland capable of growing at least 85 cubic feet per acre per year.

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

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 the bark.

Timberland—Forest land capable of producing 20 cubic feet or more per acre per year of industrial wood.

Names of Trees

This list includes tree species mentioned in this report. The source for scientific names is Little (1979).

Common name	Scientific name
Softwood trees:	
Douglas-fir	<i>Pseudotsuga menziesii</i> (Mirb.) Franco
Hemlock, western	<i>Tsuga heterophylla</i> (Raf.) Sarg.
Hardwood trees:	
Alder, red	<i>Alnus rubra</i> Bong.
Alder, white	<i>Alnus rhombifolia</i> Nutt.
Ash, Oregon	<i>Fraxinus latifolia</i> Benth.
California-laurel (Oregon myrtle)	<i>Umbellularia californica</i> (Hook. & Arn.) Nutt.
Chinkapin, golden	<i>Castanopsis chrysophylla</i> (Dougl.) 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, Oregon white	<i>Quercus garryana</i> Dougl. ex Hook.
Tanoak	<i>Lithocarpus densiflorus</i> (Hook. & Arn.) Rehd.

Tables

Table 1—Area of timberland by cubic-foot site class in western Oregon

Tables 2 to 5—Area of hardwood types on non-Federal timberland on softwood sites in western Oregon, by site class

Tables 6 to 9—Net hardwood growing stock volume on timberland in western Oregon, by species and by ownership class

Tables 10 to 13—Annual volume of hardwood harvested from timberland in western Oregon, by species and by owner

Table 14—Hardwood volume in western Oregon in 1961-62 and 1973-76 by owner and inventory unit on plots that stayed in the same ownership

Table 15—Change in hardwood area in western Oregon in 1961-62 and 1973-76 by owner and inventory unit on plots that stayed in the same ownership

Table 16—Cubic volume of red alder and bigleaf maple by county for western Oregon

Tables 17 to 54—Cubic volume of bigleaf maple or red alder by owner, d.b.h. class, and county, western Oregon

Table 1—Area of timberland by cubic-foot site class in western Oregon, January 1, 1977^{1/}

AREA	SITE CLASS (CUBIC FEET PER ACRE PER YEAR)						Total
	225+	165-224	120-164	85-119	50-84	20-49	
<u>THOUSAND ACRES</u>							
AREA OF NON-FEDERAL CONIFER SITE TIMBERLAND	978	3,440	1,370	614	430	70	6,902
AREA OF NON-FEDERAL ALDER TYPE ON CONIFER SITE TIMBERLAND	30	209	628	88	28	0	983
AREA OF NON-FEDERAL OTHER HARDWOOD TYPES ON CONIFER SITE TIMBERLAND	13	73	506	393	145	208	1,338

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

Table 2—Area of hardwood types on non-Federal timberland on softwood sites by site class, western Oregon, January 1, 1977^{1/}

	SITE CLASS ^{2/}						
HARDWOOD TYPES	OVER 225	165-224	120-164	85-119	50-84	20-49	ALL CLASSES
	THOUSAND ACRES						
RED ALDER	30	209	628	89	28	0	984
CALIFORNIA BLACK OAK	--	--	--	5	6	44	55
BLACK COTTONWOOD	--	--	8	8	--	--	17
MAPLE	6	27	113	26	--	8	180
OREGON WHITE OAK	--	--	30	73	45	15	163
MADRONE	--	6	10	15	73	101	205
OTHER COMMERCIAL HARDWOODS	--	21	114	24	--	15	174
NONCOMMERCIAL HARDWOODS	--	--	10	19	--	15	45
UNCLASSIFIED	6	20	220	223	21	8	497
ALL TYPES	43	282	1,134	482	173	208	2,321

^{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 3—Area of hardwood types on non-Federal timberland on softwood sites by site class, northwest Oregon, January 1, 1977^{1/}

	SITE CLASS ^{2/}						
HARDWOOD TYPES	OVER 225	165-224	120-164	85-119	50-84	20-49	ALL CLASSES
	THOUSAND ACRES						
RED ALDER	13	65	314	27	5	--	424
BLACK COTTONWOOD	--	--	8	8	--	--	17
W L E	6	12	54	4	--	--	76
OREGON WHITE OAK	--	--	30	35	--	--	65
OTHER COMMERCIAL HARDWOODS	--	--	8	--	--	--	8
NONCOMMERCIAL HARDWOODS	--	--	--	12	--	--	12
UNCLASSIFIED	6	3	99	67	--	--	175
ALL TYPES	26	79	514	154	5	--	778

^{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 hardwood types on non-Federal timberland on softwood sites by site class, west-central Oregon, January 1, 1977^{1/}

HARDWOOD TYPES	SITE CLASS ^{2/}						ALL CLASSES
	OVER 225	165-224	120-164	85-119	50-84	20-49	
	THOUSAND ACRES						
RED ALDER	8	36	186	16	--	--	247
CALIFORNIA BLACK OAK	--	--	--	5	--	--	5
MAPLE	--	10	47	12	--	--	69
OREGON WHITE OAK	--	--	--	21	15	9	46
OTHER COMMERCIAL HARDWOODS	--	--	19	--	--	--	19
NONCOMMERCIAL HARDWOODS	--	--	10	--	--	--	10
UNCLASSIFIED	--	9	30	62	5	--	106
ALL TYPES	8	56	292	115	21	9	501

^{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 5—Area of hardwood types on non-Federal timberland on softwood sites by site class, southwest Oregon, January 1, 1977^{1/}

HARDWOOD TYPES	SITE CLASS						ALL CLASSES
	OVER 225	165-224	120-164	85-119	50-84	20-49	
	THOUSAND ACRES						
RED ALDER	9	109	128	45	23	--	314
CALIFORNIA BLACK OAK	--	--	--	--	6	44	50
MAPLE	--	5	12	10	--	8	35
OREGON WHITE OAK	--	--	--	17	30	5	52
MADRONE	--	6	10	15	73	101	205
OTHER COMMERCIAL HARDWOODS	--	21	87	24	--	15	147
NONCOMMERCIAL HARDWOODS	--	--	--	7	--	15	22
UNCLASSIFIED	--	8	90	94	15	8	216
ALL TYPES	9	148	327	213	148	197	1,042

^{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 6—Net hardwood growing stock volume on timberland by species and ownership class, western Oregon, January 1, 1977^{1/}

SPECIES	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERS
<u>MILLION CUBIC FEET</u>					
BIGLEAF MAPLE	54	165	101	162	482
RED ALDER	475	815	218	415	1,923
WHITE ALDER	--	10	--	3	13
PACIFIC MADRONE	10	87	18	65	180
GOLDEN CHINKAPIN	3	34	--	31	68
OREGON ASH	--	--	39	12	51
TANOAK	--	43	12	34	88
BLACK COTTONWOOD	--	3	7	44	54
OREGON WHITE OAK	6	18	182	59	266
CALIFORNIA BLACK OAK	8	32	30	21	90
CALIFORNIA LAUREL	2	23	22	9	55
ALL SPECIES	559	1,228	629	854	3,270

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

Table 7—Net hardwood growing stock volume on timberland by species and ownership class, northwest Oregon, January 1, 1977^{1/}

SPECIES	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERS
<u>MILLION CUBIC FEET</u>					
BIGLEAF MAPLE	37	65	66	116	284
RED ALDER	234	388	102	192	916
OREGON ASH	--	--	16	5	21
BLACK COTTONWOOD	--	--	2	44	46
OREGON WHITE OAK	--	2	95	27	124
ALL SPECIES	271	455	282	384	1,391

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

Table 8—Net hardwood growing stock volume on timberland by species and ownership class, west-central Oregon, January 1, 1976^{1/}

SPECIES	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERS
<u>MILLION CUBIC FEET</u>					
BIGLEAF MAPLE	15	40	24	35	115
RED ALDER	82	180	39	143	443
PACIFIC MADRONE	--	10	3	1	14
GOLDEN CHINKAPIN	2	6	--	18	26
OREGON ASH	--	--	13	6	18
BLACK COTTONWOOD	--	3	5	--	8
OREGON WHITE OAK	1	2	58	25	86
CALIFORNIA BLACK OAK	3	1	7	2	14
ALL SPECIES	105	242	149	229	724

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

Table 9—Net hardwood growing stock volume on timberland by species and ownership class, southwest Oregon, January 1, 1975^{1/}

SPECIES	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERS
MILLION CUBIC FEET					
BIGLEAF MAPLE	1	60	11	11	83
RED ALDER	160	247	77	80	564
WHITE ALDER	--	10	--	3	13
PACIFIC MADRONE	10	77	15	65	166
GOLDEN CHINKAPIN	1	28	--	13	41
OREGON ASH	--	--	10	1	11
TANOAK	--	43	12	34	88
OREGON WHITE OAK	5	13	29	7	55
CALIFORNIA BLACK OAK	6	30	23	19	77
CALIFORNIA LAUREL	2	223	22	9	55
ALL SPECIES	185	531	194	240	1,154

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

Table 10—Annual volume of hardwood harvested from timberland by species and by owner, western Oregon, 1961-62 to 1973-76^{1/}

SPECIES	STATE	FOREST INDUSTRY	NONINDUSTRIAL PRIVATE	ALL OWNERSHIPS
THOUSAND CUBIC FEET				
BIGLEAF MAPLE	--	2,965	349	3,314
RED ALDER	776	5,908	4,438	11,122
PACIFIC MADRONE	--	512	58	571
GOLDEN CHINKAPIN	--	169	281	450
OREGON ASH	--	--	91	91
TANOAK	--	4,480	--	4,480
OREGON WHITE OAK	277	--	1,102	1,379
CALIFORNIA BLACK OAK	--	--	48	48
ALL SPECIES	1,053	14,043	6,369	21,455

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

Table 11—Annual volume of hardwood harvested from timberland by species and by owner, northwest Oregon, January 1, 1962, to January 1, 1977^{1/}

SPECIES	STATE	FOREST INDUSTRY	NONINDUSTRIAL PRIVATE	ALL OWNERSHIPS
THOUSAND CUBIC FEET				
BIGLEAF MAPLE	--	--	349	349
RED ALDER	--	2,743	1,201	3,944
OREGON WHITE OAK	--	--	800	800
ALL SPECIES	--	2,743	2,350	5,093

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

Table 12—Annual volume of hardwood harvested from timberland by species and by owner, west-central Oregon, January 1, 1963, to January 1, 1976¹

SPECIES	STATE	FOREST INDUSTRY	NONINDUSTRIAL PRIVATE	ALL OWNERSHIPS
THOUSAND CUBIC FEET				
BIGLEAF MAPLE	--	978	--	978
RED ALDER	--	--	1,057	1,057
GOLDEN CHINKAPIN	--	--	281	281
OREGON ASH	--	--	91	91
OREGON WHITE OAK	277	--	302	579
CALIFORNIA BLACK OAK	--	--	48	48
ALL SPECIES	277	978	1,779	3,034

¹/Totals may be off because of rounding.

Table 13—Annual volume of hardwood harvested from timberland by species and by owner, southwest Oregon, January 1, 1963, to January 1, 1975¹

SPECIES	STATE	FOREST INDUSTRY	NONINDUSTRIAL PRIVATE	ALL OWNERSHIPS
THOUSAND CUBIC FEET				
BIGLEAF MAPLE	--	1,986	--	1,986
RED ALDER	776	3,165	2,180	6,121
PACIFIC MADRONE	--	512	58	570
GOLDEN CHINKAPIN	--	169	--	169
TANOAK	--	4,480	--	4,480
ALL SPECIES	776	10,313	2,239	13,327

¹/Totals may be off because of rounding.

Table 14—Hardwood volume in western Oregon in 1961-62 and 1973-76 by owner and inventory unit on plots that stayed in the same ownership between inventories^{1/}

OWNER AND INVENTORY	NORTHWEST OREGON	WEST-CENTRAL OREGON	SOUTHWEST OREGON	TOTAL
<u>MILLION CUBIC FEET</u>				
OTHER PUBLIC:				
1961-62	67	46	172	285
1973-76	227	104	184	515
FOREST INDUSTRY:				
1961-62	188	120	411	719
1973-76	423	217	455	1,095
NONINDUSTRIAL PRIVATE:				
1961-62	319	274	284	877
1973-76	660	377	423	1,460

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

Table 15—Change in hardwood area in western Oregon in 1961-62 and 1973-76 by owner and inventory unit on plots that stayed in the same ownership between inventories^{1/}

OWNER AND INVENTORY	NORTHWEST OREGON	WEST-CENTRAL OREGON	SOUTHWEST OREGON	TOTAL
<u>MILLION CUBIC FEET</u>				
OTHER PUBLIC:				
1961-62	235	54	102	391
1973-76	115	43	83	242
FOREST INDUSTRY:				
1961-62	185	229	331	746
1973-76	154	193	441	788
NONINDUSTRIAL PRIVATE:				
1961-62	403	235	570	1,209
1973-76	399	294	539	1,232

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

Table 16—Cubic volume of red alder and bigleaf maple by county for western Oregon, January 1, 1977^{1/}

COUNTY	RED ALDER		BIGLEAF MAPLE	
	<u>THOUSAND CUBIC FEET</u>			
BENTON	41,128	•	23,947	26,336 f 8,480
CLACKAMAS	69,508	•	13,925	69,566 f 16,642
CLATSOP	258,704	•	43,727	22,547 • 7,292
COLUMBIA	172,506	t	23,076	38,287 f 13,210
COOS	374,555	•	91,302	20,691 • 7,197
CURRY	98,461	t	30,313	10,773 f 7,263
DOUGLAS	79,986	•	43,995	41,628 ± 13,741
HOOD RIVER	14,759	t	3,468	12,457 f 3,563
JACKSON	2,398	•	2/2,398	8,404 • 4,311
JOSEPHINE	6,476	f	4,604	684 f 2/684
LANE	75,050	t	19,479	40,107 t 11,339
LINCOLN	274,691	f	57,852	4,679 f 2,099
LINN	49,577	•	23,119	43,813 t 13,762
MARION	25,851	•	5,859	31,176 • 8,073
MULTNOMAH	14,920	•	3,582	17,146 • 4,498
POLK	56,340	t	16,395	20,776 f 6,728
TILLAMOOK	214,856	•	28,194	24,029 f 7,328
WASHINGTON	50,580	t	14,941	32,049 f 8,824
YAMHILL	37,882	•	10,992	15,571 • 4,049

1/Confidence intervals are at the 0.68-probability level.

2/Sampling error may be higher.

Table 17—Cubic volume of bigleaf maple by owner and d.b.h. class, Benton County, Oregon, January 1, 1976^{1/ 2/}

DB.H.	CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES		THOUSAND CUBIC FEET				
5.0-6.9		1,340 $\pm$ 3/1,340	299 $\pm$ 3/299	498 $\pm$ 362	676 $\pm$ 478	2,813 $\pm$ 1,493
7.0-8.9		940 $\pm$ 3/940	-- --	-- --	1,082 $\pm$ 630	2,022 $\pm$ 1,131
9.0- 10.9		-- --	428 $\pm$ 31428	765 $\pm$ 3/765	900 $\pm$ 624	2,093 $\pm$ 1,076
11.0-12.9		1,013 $\pm$ 3/1,013	432 $\pm$ 3/432	883 $\pm$ 621	-- --	2,328 $\pm$ 1,264
13.0-14.9		908 $\pm$ 31908	-- --	1,461 $\pm$ 899	751 $\pm$ 528	3,120 $\pm$ 1,367
15.0-16.9		2,103 $\pm$ 3/2,103	987 $\pm$ 3/987	858 $\pm$ 673	-- --	3,947 $\pm$ 2,418
17.0-18.9		-- --	560 $\pm$ 3/560	387 $\pm$ 31387	1,374 $\pm$ 1,025	2,321 $\pm$ 1,219
19.0- 20.9		-- --	94 $\pm$ 3/94	510 $\pm$ 3/510	719 $\pm$ 3/719	1,323 $\pm$ 887
21.0-28.9		-- --	315 $\pm$ 3/315	1,004 $\pm$ 715	2,867 $\pm$ 1,934	4,185 $\pm$ 2,076
29.0-38.9		-- --	503 $\pm$ 3/503	1,680 $\pm$ 1,042	-- --	2,183 $\pm$ 1,157
39.0 OR MORE		-- --	-- --	-- --	-- --	-- --
ALL CLASSES		6,304 $\pm$ 316,304	3,618 $\pm$ 1,910	8,047 $\pm$ 3,964	8,368 $\pm$ 3,799	26,336 $\pm$ 8,480

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 18—Cubic volume of red alder by owner and d.b.h. class, Benton County, Oregon, January 1, 1976^{1/ 2/}

DB.H.	CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES		THOUSAND CUBIC FEET				
5.0-6.9		1,604 $\pm$ 3/1,604	555 $\pm$ 505	2,747 $\pm$ 3/2,747	-- --	4,905 $\pm$ 3,220
7.0-8.9		-- --	1,154 $\pm$ 311,154	2,904 $\pm$ 2,535	-- --	4,058 $\pm$ 2,786
9.0- 10.9		9,333 $\pm$ 3/9,333	1,708 $\pm$ 311,708	2,273 $\pm$ 1,619	-- --	13,314 $\pm$ 9,624
11.0-12.9		-- --	565 $\pm$ 565	2,462 $\pm$ 1,761	-- --	3,027 $\pm$ 1,850
13.0-14.9		2,517 $\pm$ 212,517	619 $\pm$ 3/619	518 $\pm$ 3/518	-- --	3,654 $\pm$ 2,643
15.0- 16.9		6,714 $\pm$ 5,836	-- --	-- --	456 $\pm$ 3/456	7,170 $\pm$ 5,854
17.0-18.9		-- --	519 $\pm$ 3/519	725 $\pm$ 3/725	495 $\pm$ 3/495	1,739 $\pm$ 1,020
19.0- 20.9		2,960 $\pm$ 212,960	-- --	-- --	-- --	2,960 $\pm$ 2,960
21.0-28.9		-- --	1,301 $\pm$ 3/1,301	-- --	-- --	1,301 $\pm$ 3/1,301
29.0-38.9		-- --	-- --	-- --	-- --	-- --
39.0 OR MORE		-- --	-- --	-- --	-- --	-- --
ALL CLASSES		23,128 $\pm$ 22,192	6,421 $\pm$ 6,368	11,628 $\pm$ 6,365	951 $\pm$ 673	42,128 $\pm$ 23,947

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 19—Cubic volume of bigleaf maple by owner and d.b.h. class, Clackamas County, Oregon, January 1, 1977^{1/ 2/}

DB.H.	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET									
5.0-6.9		--	--			1,008 ±	742	5,036 •	4,003	6,043 ±	4,071
7.0-8.9		1,349 r	986	--	--	1,706 r	1,002	7,733 •	3,507	10,787 ±	3,763
9.0- 10.9		871 ±	760			2,458 •	3/2,458	5,239 ±	2,798	8,568 •	3,801
11.0-12.9		1,493 ±	1,051	--	--	8,120 r	5,978	6,894 •	3,191	16,506 r	6,856
13.0-14.9		362 ±	274	986 ±	3/986	3,558 ±	2,502	5,737 ±	3,359	10,643 r	4,283
15.0- 16.9		516 •	338	--	--	824 •	3/824	448 ±	3/448	1,788 ±	997
17.0-18.9		495 r	352	753 •	3/753	2,976 r	2,127	1,010 ±	3/1,010	5,233 •	2,496
19.0-20.9		-- r	--	--	--	1,892 ±	1,306	1,705 ±	958	3,598 ±	1,620
21.0-28.9		578 r	388	1,023 r	3/1,023	1,060 •	3/1,060	1,632 r	1,062	4,292 r	1,832
29.0-38.9		563 ±	3/563	--	--	900 •	3/900	--	--	1,463 ±	1,062
39.0 OR MORE		--	--	646 r	3/646	--	--	--	--	646 ±	3/646
ALL CLASSES		6,226 ±	2,766	3,408 ±	2,760	24,501 •	10,554	35,432 •	12,411	69,566 r	16,642

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 20—Cubic volume of red alder by owner and d.b.h. class, Clackamas County, Oregon, January 1, 1977^{1/ 2/}

DBH.	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET									
5.0-6.9		135 ±	3/135	3,180 •	2,132	612 •	3/612	3,406 ±	1,953	7,332 ±	2,934
7.0-8.9		1,197 •	717	3,235 r	1,935	5,363 r	2,675	4,361 •	2,512	14,156 ±	4,077
9.0-10.9		--	--	1,577 r	1,172	4,949 r	3,009	7,342 r	2,821	13,867 r	4,214
11.0-12.9		723 ±	481	1,632 •	1,155	2,580 r	1,468	4,023 •	1,614	8,958 ±	2,514
13.0-14.9		375 r	3/375	2,378 r	1,766	1,727 r	3/1,727	4,329 •	1,753	8,810 ±	2,967
15.0-16.9		--	--	--	--	4,932 r	3,988	4,021 •	1,845	8,953 ±	4,254
17.0-18.9		417 ±	3/417	742 r	3/742	2,168 •	3/2,168	1,329 •	940	4,657 •	2,463
19.0- 20.9		--	--	--	--	425 r	3/425	1,398 •	991	1,823 ±	1,054
21.0-28.9		--	--	--	--	--	--	952 •	3/952	952 r	3/952
29.0-38.9		--	--	--	--	--	--	--	--	--	--
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		2,847 r	1,290	12,744 •	5,633	22,756 •	10,641	31,162 •	8,690	69,508 •	13,925

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 21—Cubic volume of bigleaf maple by owner and d.b.h. class, Clatsop County, Oregon, January 1, 1977^{1/ 2/}

D.B.H.	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET									
5.0-6.9		--	--	1,144	800	--	--	1,333	890	2,477	1,197
7.0-8.9		--	--	2,055	3/2,055	--	--	1,221	966	3,276	2,271
9.0- 10.9				1,496	736	--	--	--	--	1,496	736
11.0-12.9		205	3/205	392	31392	--	--	1,694	1,157	2,291	1,239
13.0- 14.9		--	--	704	3/704	223	31223	153	31153	1,080	751
15.0-16.9		281	31281	994	3/994	186	3/186	100	3/100	1,561	1,055
17.0-18.9		256	3/256	264	3/264	649	3/649	--	--	1,169	746
19.0-20.9		--	--	--	--	504	3/504	529	31529	1,033	671
21.0-28.9		--	--	--	--	975	836	2,611	1,936	3,585	2,000
29.0-38.9		--	--	--	--	1,551	1,337	2,688	1,760	4,239	2,202
39.0 OR MORE		--	--	--	--	--	--	339	3/339	339	3/339
ALL CLASSES		742	742	7,049	3,580	4,088	2,698	10,669	5,942	22,547	7,292

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 22—Cubic volume of red alder by owner and d.b.h. class, Clatsop County, Oregon, January 1, 1977^{1/ 2/}

DBH.	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET									
5.0-6.9		13,267	8,387	8,613	3,135	322	31322	4,675	2,127	26,877	9,174
7.0-8.9		13,888	7,378	11,003	2,991	914	538	10,681	5,284	36,486	9,511
9.0-10.9		31,103	14,957	23,323	8,156	87	3/87	5,589	2,142	60,101	17,168
11.0-12.9		12,940	5,203	19,542	4,506	1,247	8 4 6	5,335	2,863	39,064	7,426
13.0-14.9		14,910	7,303	16,745	4,043	1,355	866	508	390	33,518	8,394
15.0-16.9		4,001	2,399	10,091	3,231	1,612	940	1,233	872	16,936	4,199
17.0-18.9		7,868	4,570	8,562	3,079	1,595	1,456	948	616	18,973	5,705
19.0-20.9		2,491	2,084	4,030	2,194	639	31639	383	31383	7,543	3,115
21.0-28.9		4,612	2,743	5,924	3,037	2,595	2,297	3,235	1,711	16,366	4,868
29.0-38.9		1,654	3/1,654	655	31655	--	--	531	3/531	2,840	1,857
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		106,735	36,718	108,488	20,626	10,365	6,731	33,116	11,570	258,704	43,727

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 23—Cubic volume of bigleaf maple by owner and d.b.h. class, Columbia County, Oregon, January 1, 1977^{1/ 2/}

DB.H.	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET									
5.0-6.9		--	--	2,252	1,571	--	--	2,256	1,432	4,508	2,126
7.0-8.9		--	--	4,047	3/4,047	--	--	3,778	2,672	7,825	4,849
9.0- 10.9		--	--	2,566	1,341			--	--	2,566	1,341
11.0-12.9		12	3/12	772	3/772	--	--	2,809	1,901	3,594	2,051
13.0- 14.9		--	--	1,386	3/1,386	1,635	3/1,635	1,121	3/1,121	4,142	2,301
15.0- 16.9		17	3/17	1,958	3/1,958	147	3/147	734	3/734	2,856	2,096
17.0-18.9		16	3/16	519	3/519	571	3/571	--	--	1,106	772
19.0-20.9		--	--	--	--	443	3/443	465	3/465	908	592
21.0-28.9		--	--			1,846	7,336	3,367	2,394	5,213	2,680
29.0-38.9		--	--			1,243	1,057	4,028	3,306	5,271	3,467
39.0 OR MORE		--	--	--	--	--	--	298	3/298	298	3/298
ALL CLASSES		45	3/45	13,500	6,976	5,884	3,575	18,858	10,817	38,287	13,210

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 24—Cubic volume of red alder by owner and d.b.h. class, Columbia County, Oregon, January 1, 1977^{1/ 2/}

DB.H.	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET									
5.0-6.9		634 •	425	5,675 •	1,889	2,360 ±	3/2,360	4,643 ±	1,842	13,312 ±	3,528
7.0-8.9		660 ±	391	8,629 •	2,391	4,264 ±	2,745	9,004 •	3,764	22,556 ±	5,055
9.0-10.9		1,497 ±	821	16,239 ±	4,762	17 •	3/17	10,134 ±	4,162	27,888 ±	6,349
11.0-12.9		633 ±	304	18,404 ±	4,426	3,824 ±	27328	8,012 ±	3,160	30,873 ±	5,568
13.0- 14.9		708 ±	404	15,942 ±	4,674	3,697 ±	2,103	4,013 ±	1,942	24,360 ±	5,358
15.0-16.9		196 ±	127	10,782 ±	4,221	4,371 ±	3,489	1,875 ±	1,117	17,224 ±	5,577
17.0-18.9		397 ±	240	10,078 ±	3,605	2,344 ±	1,664	2,314 ±	1,171	15,133 ±	4,080
19.0- 20.9		122 ±	100	3,205 ±	1,481	562 ±	3/562	1,962 ±	1,424	5,851 ±	2,122
21.0-28.9		226 •	145	3,535 •	1,712	4,292 ±	2,639	6,362 •	3,068	14,414 ±	4,157
29.0-38.9		79 ±	3/79	351 •	3/351	-- •	--	467 ±	3/467	897 ±	589
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		5,151 ±	2,349	92,840 ±	17,843	25,729 ±	12,485	48,785 ±	12,447	172,506 ±	23,076

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 25—Cubic volume of bigleaf maple by owner and d.b.h. class, Coos County, Oregon, January 1, 1975^{1/ 2/}

DBH	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
<u>INCHES</u>		<u>THOUSAND CUBIC FEET</u>									
5.0-6.9		--	--	--	--	--	--	--	--	--	--
7.0-8.9		--	--	--	--	1,122 ±	3/1,122	--	--	1,122 ±	3/1,122
9.0- 10.9		--	--	--	--	--	--	--	--	--	--
11.0-12.9		--	--	392 ±	3/392	1,407 ±	3/1,407	--	--	1,800 ±	1,461
13.0-14.9		--	--	2,557 ±	1,884	--	--	--	--	2,557 ±	1,884
15.0-16.9		--	--	848 ±	3/848	--	--	--	--	848 ±	3/848
17.0- 18.9		--	--	2,434 ±	1,766	--	--	--	--	2,434 ±	1,766
19.0- 20.9		--	--	--	--	1,636 ±	3/1,636	--	--	1,636 ±	3/1,636
21.0-28.9		--	--	5,600 ±	3,387	1,894 ±	3/1,894	--	--	7,494 ±	3,880
29.0-38.9		--	--	1,320 ±	3/1,320	--	--	--	--	1,320 ±	3/1,320
39.0 OR MORE		--	--	323 ±	3/323	--	--	1,158 ±	3/1,158	1,482 ±	1,203
ALL CLASSES		--	--	13,473 ±	5,435	6,059 ±	4,575	1,158 ±	3/1,158	20,691 ±	7,197

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 26—Cubic volume of red alder by owner and d.b.h. class, Coos County, Oregon, January 1, 1975^{1/ 2/}

DBH	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
<u>INCHES</u>		<u>THOUSAND CUBIC FEET</u>									
5.0-6.9		--	--	20,737	6,566	6,708	3,259	6,164	3,666	33,609	7,942
7.0-8.9		2,724	3/2,724	30,664	10,015	3,946	2,971	9,005	4,586	46,339	11,464
9.0- 10.9		3,884	3/3,884	36,758	10,953	8,915	4,715	4,043	2,366	53,600	12,645
11.0- 12.9		15,548	13,668	22,654	7,398	2,573	2,058	8,715	4,492	49,490	16,167
13.0-14.9		27,063	18,502	21,133	7,639	1,983	3/1,983	1,714	3/1,714	51,894	20,183
15.0-16.9		33,209	23,226	10,362	3,976	2,578	1,824	6,585	4,250	52,735	23,974
17.0-18.9		21,519	17,098	11,049	4,039	--	--	1,612	3/1,612	34,180	17,640
19.0-20.9		8,746	4,924	4,553	3/4,553	--	--	3,394	2,423	16,693	7,129
21.0-28.9		2,465	212,465	29,416	17,225	2,274	3/2,274	1,315	3/1,315	35,469	17,596
29.0-38.9		--	--	547	3/547	--	--	--	--	547	3/547
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		115,159	82,379	187,873	34,817	28,978	13,763	42,545	17,783	374,555	91,302

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 27—Cubic volume of bigleaf maple by owner and d.b.h. class, Curry County, Oregon, January 1, 1975^{1/ 2/}

DBH	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
<u>INCHES</u>		<u>THOUSAND CUBIC FEET</u>									
5.0-6.9		--	--	--	--	--	--	--	--	--	--
7.0-8.9		674 *	<u>3/674</u>	--	--	--	--	--	--	674 *	<u>3/674</u>
9.0- 10.9		97 *	<u>3/97</u>	--	--	--	--	--	--	97 *	<u>3/97</u>
11.0-12.9		--	--	--	--	--	--	--	--	--	--
13.0-14.9		--	--	1,798 *	<u>3/1,798</u>	--	--	--	--	1,798 *	<u>3/1,798</u>
15.0- 16.9		342 *	<u>3/342</u>	2,467 *	<u>1,824</u>	--	--	--	--	2,808 *	<u>1,856</u>
17.0- 18.9		--	--	--	--	--	--	--	--	--	--
19.0-20.9		--	--	4,200 *	<u>3,656</u>	--	--	--	--	4,200 *	<u>3,656</u>
21.0-28.9		331 *	<u>3/331</u>	--	--	--	--	--	--	331 *	<u>3/331</u>
29.0-38.9		--	--	864 *	<u>715</u>	--	--	--	--	864 *	<u>715</u>
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		1,444 *	<u>3/1,444</u>	9,329 *	<u>7,118</u>	--	--	--	--	10,773 *	<u>7,263</u>

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 28—Cubic volume of red alder by owner and d.b.h. class, Curry County, Oregon, January 1, 1975^{1/ 2/}

DBH.	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
<u>INCHES</u>		<u>THOUSAND CUBIC FEET</u>									
5.0-6.9		--	--	6,545	3,138	13,392	5,390	719	3/719	20,655	6,276
7.0-8.9		--	--	763	613	13,900	9,067	949	3/949	15,612	9,137
9.0- 10.9		--	--	3,602	2,639	5,164	3,953	--	--	8,766	4,752
11.0-12.9		--	--	2,765	1,825	2,806	1,921	4,209	3,423	9,779	4,327
13.0-14.9		--	--	6,469	4,191	1,541	3/1,541	6,223	4,408	14,232	6,273
15.0-16.9		--	--	5,170	4,002	--	--	5,068	3/5,068	10,238	6,457
17.0-18.9		--	--	1,347	3/1,347	--	--	4,926	3,843	6,272	4,072
19.0-20.9		--	--	2,359	3/2,359	1,589	3/1,589	5,296	4,168	9,244	5,045
21.0-28.9		--	--	--	--	--	--	2,658	1,917	2,658	1,917
29.0-38.9		--	--	--	--	--	--	1,004	3/1,004	1,004	3/1,004
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		--	--	29,019	13,178	38,391	19,620	31,051	19,001	98,461	30,313

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 29—Cubic volume of bigleaf maple by owner and d.b.h. class, Douglas County, Oregon, January 1, 1974^{1/ 2/}

DBH	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET									
5.0-6.9		--	--	447	3/447	1,019	729	--	--	1,466	855
7.0-8.9		--	--	4,228	3,191					4,228	3,191
9.0-10.9		--	--	4,661	2,807	1,516	1,075	2,825	3/2,825	9,003	4,083
11.0-12.9		--	--	7,450	3,654	1,252	3/1,252	--	--	8,702	3,862
13.0-14.9		--	--	4,695	2,568	1,032	3/1,032	1,751	3/1,751	7,478	3,275
15.0-16.9		--	--	1,256	3/1,256		--	1,292	3/1,292	2,549	1,802
17.0-18.9		--	--	3,001	3/1,001	--	--	--	--	1,001	3/1,001
19.0-20.9		--	--	3,731	3/3,731	--	--	--	--	3,731	3/3,731
21.0-28.9		--	--	2,459	1,437	--	--	--	--	2,459	1,437
29.0-38.9		--	--	1,012	3/1,012	--	--	--	--	1,012	3/1,012
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		--	--	30,939	11,897	4,820	3,761	5,869	3/5,869	41,628	13,741

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 30—Cubic volume of red alder by owner and d.b.h. class, Douglas County, Oregon, January 1, 1974^{1/ 2/}

DBH	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET									
5.0-6.9		--	--	1,568	3/1,568	940	3/940	1,208	860	3,715	1,983
7.0-8.9				682	3/682	--	--	744	3/744	1,426	1,010
9.0-10.9		3,323	3/3,323	3,976	2,002	6,946	4,437	--	--	14,244	5,892
11.0-12.9		3,404	3/3,404	2,004	1,414	--	--	--	--	5,409	3,686
13.0-14.9		4,300	3,344	1,601	3/1,601					5,901	3,707
15.0-16.9		4,506	4,506	2,247	3/2,247	--	--	--	--	6,753	5,035
17.0-18.9		14,182	13,296	6,911	5,706			--	--	21,093	14,468
19.0-20.9		11,578	3/11,578	4,305	3/4,305	1,319	3/1,319	--	--	17,202	12,422
21.0-28.9		3,323	3/3,323	--	--	--	--	920	3/920	4,243	3,448
29.0-38.9		--	--							--	--
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		44,615	42,534	23,294	10,083	9,205	4,878	2,872	1,717	79,986	43,995

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 31—Cubic volume of bigleaf maple by owner and d.b.h. class, Hood River County, Oregon, January 1, 1977^{1/ 2/}

D.B.H. CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	-- --	-- --	217 • 197	583 ± 469	800 • 509
7.0-8.9	1,012 ₪ 757	-- --	393 • 282	822 • 439	2,227 ± 919
9.0-10.9	680 ₪ 605	-- --	84 ₪ 3/84	560 • 279	1,323 ± 671
11.0-12.9	2,176 ₪ 1,706	-- --	277 • 215	721 • 427	3,174 ₪ 1,772
13.0-14.9	275 ₪ 214	627 ± 3/627	216 • 142	763 ± 621	1,881 ± 917
15.0-16.9	294 ₪ 185	-- --	28 • 2/28	97 • 3/97	419 ± 211
17.0-18.9	328 ₪ 244	94 • 2/94	102 ± 77	53 • 3/53	577 ₪ 277
19.0-20.9	-- --	-- --	65 ₪ 48	187 ± -137	252 ₪ 145
21.0-28.9	289 ₪ 200	650 ₪ 3/650	36 • 3/36	108 ± 65	1,083 • 685
29.0-38.9	281 ₪ 3/281	-- --	31 • 2/31	-- --	312 ₪ 283
39.0 OR MORE	-- --	411 ± 3/411	-- --	-- --	411 ± 3/411
ALL CLASSES	5,333 ± 2,543	1,782 • 1,691	1,449 ± 668	3,894 ± 1,713	12,457 ± 3,563

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 32—Cubic volume of red alder by owner and d.b.h. class, Hood River County, Oregon, January 1, 1977^{1/ 2/}

DBH CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	67 ₪ 3/67	979 • 830	72 ₪ 3/72	266 • 152	1,384 ₪ 849
7.0-8.9	1,120 ₪ -713	1,204 • 811	439 • -317	327 • 171	3,090 ₪ 1,139
9.0-10.9	-- --	731 ± 668	169 ± 114	1,022 ± 434	1,921 ₪ 805
11.0-12.9	936 ₪ 757	864 • 619	153 ± 102	556 • 250	2,509 ₪ 1,015
13.0-14.9	250 • 3/250	1,344 ± 1,057	374 ± 3/374	616 • 302	2,584 ± 1,185
15.0-16.9	-- --	-- --	867 ₪ 831	482 • 297	1,350 ₪ 876
17.0-18.9	458 ± 3/458	318 • 3/318	469 ± 3/469	182 ₪ 152	1,428 • 743
19.0-20.9	-- --	-- --	92 • 3/92	196 ₪ 166	288 ± 188
21.0-28.9	-- --	-- --	-- --	206 ₪ 3/206	206 ± 3/206
29.0-38.9	-- --	-- --	-- --	-- --	-- --
39.0 OR MORE	-- --	-- --	-- --	-- --	-- --
ALL CLASSES	2,832 ± 1,540	5,439 • 2,293	2,635 • 1,812	3,854 • 1,130	14,759 ₪ 3,468

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 33—Cubic volume of bigleaf maple by owner and d.b.h. class, Jackson County, Oregon, January 1, 1975^{1/ 2/}

DBH	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
<u>INCHES</u>		<u>THOUSAND CUBIC FEET</u>									
5.0-6.9		--	--	1,427	* 3/1,427	--	--	--	--	1,427	* 3/1,427
7.0-8.9		--	--	--	--	--	--	--	--	--	--
9.0- 10.9		--	--	--	--	--	--	--	--	--	--
11.0- 12.9		--	--	--	--	--	--	--	--	--	--
13.0-14.9		--	--	--	--	--	--	--	--	--	--
15.0- 16.9		--	--	--	--	--	--	--	--	--	--
17.0-18.9		--	--	1,313	* 3/1,313	--	--	--	--	1,313	* 3/1,313
19.0-20.9		--	--	1,378	* 3/1,378	--	--	1,890	* 3/1,890	3,268	* 2,339
21.0-28.9		--	--	2,396	* 3/2,396	--	--	--	--	2,396	* 3/2,396
29.0-38.9		--	--	--	--	--	--	--	--	--	--
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		--	--	6,514	* 3,875	--	--	1,890	* 3/1,890	8,404	* 4,311

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 34—Cubic volume of red alder by owner and d.b.h. class, Jackson County, Oregon, January 1, 1975^{1/ 2/}

DBH	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
<u>INCHES</u>		<u>THOUSAND CUBIC FEET</u>									
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		--	--	2,398	* <u>3/2,398</u>	--	--	--	--	2,398	* <u>3/2,398</u>
29.0-38.9		--	--	--	--	--	--	--	--	--	--
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		--	--	2,398	* <u>3/2,398</u>	--	--	--	--	2,398	* <u>3/2,398</u>

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 35—Cubic volume of bigleaf maple by owner and d.b.h. class, Josephine County, Oregon, January 1, 1975^{1/ 2/}

DBH	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
<u>INCHES</u>		<u>THOUSAND CUBIC FEET</u>									
5.0-6.9		--	--	--	--	--	--	--	--	--	--
7.0-8.9		--	--	--	--	--	--	--	--	--	--
9.0-10.9		--	--	--	--	--	--	--	--	--	--
11.0-12.9		--	--	--	--	--	--	--	--	--	--
13.0-14.9		--	--	--	--	--	--	684 ± 3/684		684 ± 3/684	
15.0-16.9		--	--	--	--	--	--	--	--	--	--
17.0-18.9		--	--	--	--	--	--	--	--	--	--
19.0-20.9		--	--	--	--	--	--	--	--	--	--
21.0-28.9		--	--	--	--	--	--	--	--	--	--
29.0-38.9		--	--	--	--	--	--	--	--	--	--
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		--	--	--	--	--	--	684 ± 3/684		684 ± 3/684	

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 36—Cubic volume of red alder by owner and d.b.h. class, Josephine County, Oregon, January 1, 1975^{1/ 2/}

DBH	CLASS	OTHER PUBLIC		FOREST INDUSTRY		FARMER		MISCELLANEOUS PRIVATE		ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET									
5.0-6.9		--	--	2,894	* 3/2,894	--	--	--	--	2,894	* 3/2,894
7.0-8.9		--	--	--	--	--	--	1,398	* 3/1,398	1,398	* 3/1,398
9.0-10.9		--	--	--	--	--	--	--	--	--	--
11.0-12.9		--	--	--	--	--	--	--	--	--	--
13.0-14.9		--	--	--	--	--	--	--	--	--	--
15.0- 16.9		--	--	--	--	--	--	--	--	--	--
17.0-18.9		--	--	--	--	--	--	--	--	--	--
19.0-20.9		--	--	--	--	--	--	2,184	* 3/2,184	2,184	* 3/2,184
21.0-28.9		--	--	--	--	--	--	--	--	--	--
29.0-38.9		--	--	--	--	--	--	--	--	--	--
39.0 OR MORE		--	--	--	--	--	--	--	--	--	--
ALL CLASSES		--	--	2,894	* 3/2,894	--	--	3,582	* 3/3,582	6,476	* 4,604

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 37—Cubic volume of bigleaf maple by owner and d.b.h. class, Lane Comfy, Oregon, January 1, 1976^{1/ 2/}

D.B.H. CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
<u>INCHES</u>	<u>THOUSAND CUBIC FEET</u>				
5.0-6.9	-- --	1,153 ₣ 837	-- --	-- --	1,153 ₣ 837
7.0-8.9	-- --	5,044 ₣ 2,722	-- --	1,108 ₣ 3/1,108	6,152 ₣ 2,938
9.0-10.9	-- --	832 ₣ 3/832	759 ₣ 3/759	1,021 ₣ 3/1,021	2,612 ₣ 1,520
11.0-12.9	-- --	7,570 ₣ 5,507	-- --	1,104 ₣ 3/1,104	8,673 ₣ 3,676
13.0-14.9	375 * 3/375	2,825 ₣ 2,003	-- --	-- --	3,201 ₣ 2,038
15.0-16.9	-- --	631 ₣ 3/631	-- --	2,394 ₣ 3/2,394	3,025 ₣ 2,476
17.0-18.9	-- --	1,500 ₣ 3/1,500	-- --	-- --	1,500 ₣ 3/1,500
19.0-20.9	-- --	4,257 ₣ 2,431	-- --	1,188 ₣ 3/1,188	5,445 ₣ 2,705
21.0-28.9	-- --	3,058 ₣ 2,094	1,085 ₣ 3/1,085	2,597 ₣ 2,036	6,740 ₣ 3,115
29.0-38.9	-- --	1,120 ₣ 3/1,120	-- --	-- --	1,120 ₣ 3/1,120
39.0 OR MORE	-- --	-- --	-- --	487 ₣ 3/487	487 ₣ 3/487
ALL CLASSES	375 * 375	27,989 ₣ 8,115	1,844 ₣ 3/1,844	9,898 ₣ 7,699	40,107 ₣ 11,339

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 38—Cubic volume of red alder by owner and d.b.h. class, Lane County, Oregon, January 1, 1976^{1/ 2/}

DB.H. CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
<u>INCHES</u>	<u>THOUSAND CUBIC FEET</u>				
5.0-6.9	575 ₣ 3/575	4,513 ₣ 1,658	1,384 ₣ 3/1,384	-- --	6,472 ₣ 2,234
7.0-8.9	-- --	4,326 ₣ 2,129	-- --	-- --	4,326 ₣ 2,129
9.0-10.9	3,712 ₣ 2,337	6,966 ₣ 3,544	-- --	2,394 ₣ 1,836	13,072 ₣ 4,624
11.0-12.9	2,628 ₣ 3/2,628	2,984 ₣ 2,384	-- --	3,350 ₣ 2,562	8,961 ₣ 4,376
13.0-14.9	5,552 ₣ 3,523	9,831 ₣ 6,304	858 ₣ 3/858	4,932 ₣ 3/4,932	21,172 ₣ 8,786
15.0-16.9	1,962 ₣ 1,223	-- --	-- --	2,047 ₣ 1,384	4,009 ₣ 1,847
17.0-18.9	2,314 ₣ 3/2,314	-- --	-- --	2,986 ₣ 1,687	5,300 ₣ 2,863
19.0-20.9	1,072 ₣ 3/1,072	3,997 ₣ 2,965	932 ₣ 3/932	-- --	6,002 ₣ 3,288
21.0-28.9	1,561 ₣ 1,112	965 ₣ 3/965	-- --	1,381 ₣ 959	3,906 ₣ 1,757
29.0-38.9	-- --	-- --	912 ₣ 3/912	918 ₣ 3/918	1,830 ₣ 1,294
39.0 OR MORE	-- --	-- --	-- --	-- --	-- --
ALL CLASSES	19,375 ₣ 12,649	33,582 ₣ 10,295	4,085 ₣ 3,035	18,008 ₣ 10,377	75,050 ₣ 19,479

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

**Table 39—Cubic volume of bigleaf maple by owner and d.b.h. class, Lincoln County, Oregon,
January 1, 1976^{1/ 2/}**

DBH	CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS	
<u>INCHES</u>		<u>THOUSAND CUBIC FEET</u>					
5.0-6.9		--	--	--	--	--	
7.0-8.9		--	--	--	--	--	
9.0- 10.9		--	--	--	--	--	
11.0-12.9		--	--	--	--	--	
13.0- 14.9		188 ± 3/188	--	--	--	188 ± 3/188	
15.0-16.9		--	--	--	1,588 ± 3/1,588	1,588 ± 3/1,588	
17.0-18.9		--	--	--	--	--	
19.0-20.9		--	--	--	158 ± 3/158	158 ± 3/158	
21.0-28.9		--	1,441 ± 3/1,441	--	--	1,441 ± 3/1,441	
29.0-38.9		--	--	--	1,303 ± 3/1,303	1,303 ± 3/1,303	
39.0 OR MORE		--	--	--	--	--	
ALL CLASSES		188 ± 3/188	1,441 ± 3/1,441	--	3,050 ± 1,514	4,679 ± 2,099	

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

**Table 40—Cubic volume of red alder by owner and d.b.h. class, Lincoln County, Oregon,
January 1, 1976^{1/ 2/}**

DBH.	CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET					
5.0-6.9		588 ± 3/588	22,468 • 7,877	4,582 ± 3/4,582	512 ± 3/512	28,150 ± 9,144	
7.0-8.9		-- --	21,625 • 9,330	-- --	2,952 ± 2,448	24,577 ± 9,645	
9.0- 10.9		3,794 ± 2,388	17,903 ± 6,277	-- --	15,629 • 11,154	37,326 ± 13,016	
11.0-12.9		2,686 ± 2,686	24,468 • 17,628	-- --	25,365 ± 12,132	52,519 • 21,563	
13.0-14.9		5,676 ± 3,599	14,680 ± 10,002	-- --	24,467 • 8,275	44,822 ± 13,467	
15.0-16.9		2,005 ± 1,250	7,802 ± 3,667	-- --	17,411 ± 5,934	27,217 ± 7,083	
17.0- 18.9		2,365 • 3/2,365	6,679 ± 3,646	-- --	14,040 ± 5,692	23,084 • 7,159	
19.0-20.9		1,096 ± 3/1,096	4,692 ± 3,418	-- --	3,645 ± 2,211	9,433 ± 4,215	
21.0-28.9		1,238 • 959	7,904 ± 4,603	-- --	16,926 ± 7,076	26,068 ± 8,494	
29.0-38.9		-- --	1,495 ± 3/1,495	-- --	-- --	1,495 ± 3/1,495	
39.0 OR MORE		-- --	-- --	-- --	-- --	-- --	
ALL CLASSES		19,448 ± 12,912	129,716 ± 40,830	4,582 ± 4,582	120,945 • 40,781	274,691 ± 57,852	

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 41—Cubic volume of bigleaf maple by owner and d.b.h. class, Linn County, Oregon, January 1, 1976^{1/ 2/}

D.B.H.	CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET					
5.0-6.9		1,792 * 3/1,792	421 r 3/421	642 * 466	1,156 r 834	4,011 * 2,068	
7.0-8.9		1,257 r 3/1,257	-- --	-- --	1,787 r 1,121	3,044 * 1,684	
9.0- 10.9		-- --	603 r 3/603	1,594 r 3/1,594	1,160 • 803	3,356 * 1,883	
11.0-12.9		1,355 r 3/1,355	608 r 3/608	1,138 r 800	-- --	3,101 * 1,687	
13.0- 14.9		1,214 • 511,214	-- --	2,480 r 1,689	968 • 680	4,663 r 2,171	
15.0-16.9		2,812 • 3/2,812	1,388 r 3/1,388	1,610 • 1,354	-- --	5,810 * 3,415	
17.0-18.9		-- --	788 r 3/788	499 * 3/499	2,177 * 1,545	3,465 • 1,791	
19.0- 20.9		-- --	1,175 * 3/1,175	658 • 3/658	1,568 * 3/1,568	3,401 r 2,067	
21.0-28.9		-- --	1,563 ± 3/1,563	1,739 r 1,300	5,277 r 3,992	8,578 r 4,472	
29.0-38.9		-- --	707 • 3/707	3,676 • 2,247	-- --	4,384 * 2,355	
39.0 OR MORE		-- --	-- --	-- --	-- --	-- --	
ALL CLASSES		8,430 r 3/8,430	7,255 * 3,280	14,036 * 7,819	14,092 * 7,024	43,813 r 13,762	

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 42—Cubic volume of red alder by owner and d.b.h. class, Linn County, Oregon, January 1, 1976^{1/ 2/}

D.B.H.	CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS	
INCHES		THOUSAND CUBIC FEET					
5.0-6.9		1,359 ± 3/1,359	1,204 ± 864	3,540 ± 3/3,540		6,103 ± 3,889	
7.0-8.9		--	1,625 ± 3/1,625	3,743 ± 3,267	-- --	5,367 • 3,648	
9.0-10.9		7,905 ± 3/7,905	2,404 ± 3/2,404	2,930 ± 2,084	-- --	13,238 ± 8,520	
11.0-12.9		--	795 ± 3/795	4,740 • 3,437	-- --	5,535 ± 3,521	
13.0-14.9		2,132 ± 3/2,132	871 ± 3/871	1,448 ± 3/1,448	-- --	4,451 ± 2,720	
15.0-16.9		6,156 ± 5,041	--	--	995 ± 3/995	7,151 ± 5,139	
17.0-18.9		--	731 ± 3/731	2,025 ± 3/2,025	638 ± 3/638	3,394 ± 2,246	
19.0-20.9		2,507 ± 3/2,507	--	--	-- --	2,507 ± 3/2,507	
21.0-28.9		--	1,831 ± 3/1,831	--	--	1,831 ± 3/1,831	
29.0-38.9		--	--	--	--	--	
39.0 OR MORE		--	--	--	-- --	--	
ALL CLASSES		20,058 ± 18,822	9,460 • 8,976	18,426 • 9,957	1,633 ± 1,182	49,577 ± 23,119	

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 43—Cubic volume of bigleaf maple by owner and d.b.h. class, Marion County, Oregon, January 1, 1977^{1/ 2/}

DBH CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	-- --	-- --	383 ± 354	2,119 ± 1,850	2,501 ± 1,883
7.0-8.9	1,256 ± 888	-- --	462 ± 393	2,731 ± 1,539	4,449 ± 1,820
9.0-10.9	711 ± 581	-- --	1,334 ± 1,334	1,737 ± 1,091	3,782 ± 1,818
11.0-12.9	525 ± 320	-- --	4,406 ± 3,249	1,833 ± 997	6,763 ± 3,413
13.0-14.9	326 ± 233	587 ± 3/587	1,681 ± 1,330	1,229 ± 698	3,823 ± 1,630
15.0-16.9	704 ± 475	-- ± --	447 ± 3/447	26 ± 3/28	1,179 ± 653
17.0-18.9	527 ± 383	314 ± 3/314	1,615 ± 1,156	364 ± 3/364	2,820 ± 1,309
19.0-20.9	-- --	-- --	1,027 ± 710	438 ± 279	1,465 ± 763
21.0-28.9	837 ± 557	609 ± 3/609	575 ± 3/575	685 ± 528	2,706 ± 1,125
29.0-38.9	816 ± 3/816	-- --	488 ± 3/488	-- --	1,305 ± 951
39.0 OR MORE	-- --	384 ± 3/384	-- --	-- --	384 ± 3/384
ALL CLASSES	5,702 ± 2,538	1,894 ± 1,611	12,417 ± 5,724	11,164 ± 4,892	31,176 ± 8,073

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 44—Cubic volume of red alder by owner and d.b.h. class, Marion County, Oregon, January 1, 1977^{1/ 2/}

DBH CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	195 ± 3/195	1,359 ± 919	286 ± 3/286	1,561 ± 992	3,401 ± 1,389
7.0-8.9	1,108 ± 832	1,567 ± 948	2,235 ± 1,243	1,846 ± 1,287	6,756 ± 2,132
9.0-10.9	-- --	843 ± 660	2,685 ± 1,638	2,403 ± 1,091	5,931 ± 2,041
11.0-12.9	476 ± 277	836 ± 596	1,342 ± 768	964 ± 502	3,617 ± 1,129
13.0-14.9	467 ± 3/467	1,285 ± 998	108 ± 3/108	1,139 ± 532	2,998 ± 1,230
15.0-16.9	-- --	-- --	834 ± 641	1,099 ± 618	1,933 ± 881
17.0-18.9	117 ± 3/117	322 ± 3/322	135 ± 3/135	275 ± 236	849 ± 440
19.0-20.9	-- --	-- --	27 ± 3/27	281 ± 239	307 ± 241
21.0-28.9	-- --	-- --	-- --	59 ± 3/59	59 ± 3/59
29.0-38.9	-- --	-- --	-- --	-- --	-- --
39.0 OR MORE	-- --	-- --	-- --	-- --	-- --
ALL CLASSES	2,364 ± 1,249	6,212 ± 2,506	7,651 ± 3,740	9,626 ± 3,855	25,851 ± 5,859

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 45—Cubic volume of bigleaf maple by owner and d.b.h. class, Multnomah County, Oregon, January 1, 1977^{1/ 2/}

DBH. CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	--	--	130 ± 104	701 ± 449	831 • 461
7.0-8.9	149 ± 3/149	--	297 • 188	2,273 ± 781	2,719 • 814
9.0- 10.9	36 ± 3/36	--	379 ± 3/379	1,719 ± 1,155	2,134 • 1,216
11.0-12.9	198 ± 134	--	1,251 ± 932	3,084 • 1,502	4,534 • 1,773
13.0-14.9	34 ± 3/34	121 ± 3/121	617 ± 408	2,332 ± 1,259	3,103 • 1,326
15.0-16.9	146 ± 99	--	127 • 3/127	128 ± 3/128	401 • 206
17.0-18.9	61 ± 3/61	61 • 3/61	459 ± 332	528 ± 3/528	1,108 • 629
19.0- 20.9	--	--	292 ± 204	751 ± 431	1,042 • 477
21.0-28.9	157 ± 114	126 • 3/126	163 ± 3/163	458 ± 294	903 • 375
29.0-38.9	153 ± 3/153	--	139 • 3/139	--	291 • 206
39.0 OR MORE	--	80 ± 3/80	--	--	80 • 380
ALL CLASSES	933 ± 460	388 ± 333	3,853 • 1,717	11,973 • 4,129	17,146 ± 4,498

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

^{2/}Confidence Intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 46—Cubic volume of red alder by owner and d.b.h. class. Multnomah County, Oregon, January 1, 1977^{1/ 2/}

DBH. CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	37 • 3/37	473 ± 379	33 ± 3/33	503 • 289	1,044 • 480
7.0-8.9	196 ± 156	387 ± 225	1,012 ± 539	1,035 • 506	2,629 • 780
9.0-10.9	--	172 ± 136	763 ± 474	1,191 • 494	2,125 • 695
11.0-12.9	143 • 93	260 • 189	319 ± 199	1,353 • 630	2,075 • 694
13.0-14.9	113 ± 3/113	350 ± 249	494 ± 3/494	1,212 ± 556	2,168 • 780
15.0-16.9	--	--	1,265 ± 1,109	1,332 ± 618	2,598 • 1,253
17.0-18.9	38 • 2/38	144 ± 3/144	620 ± 3/620	533 ± 390	1,334 ± 741
19.0- 20.9	--	--	121 ± 3/121	553 • 401	675 • 417
21.0-28.9	--	--	--	272 • 3/272	272 • 3/272
29.0-38.9	--	--	--	--	--
39.0 OR MORE	--	--	--	--	--
ALL CLASSES	526 ± 282	1,785 • 1,043	4,626 ± 2,579	7,983 • 2,392	14,920 • 3,582

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 47—Cubic volume of bigleaf maple by owner and d.b.h. class, Polk County, Oregon, January 1, 1977^{1/2/}

DBH. CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	-- --	1,019 r 770	942 r 561	678 * 496	2,638 * 1,059
7.0-8.9	162 r 31162	865 • 601	868 • 621	1,534 • 972	3,429 * 1,271
9.0-10.9	39 * 3/39	3,219 * 2,011	-- --	805 • 631	4,063 * 2,108
11.0-12.9	390 r -284	-- --	333 r 3/333	-- --	723 * 437
13.0-14.9	37 r 2/37	4,283 * 2,707	-- --	530 r 3/530	4,849 * 2,759
15.0-16.9	144 r 95	536 r 31536	-- --	-- --	680 r 544
17.0-18.9	55 • 55	1,330 r 1,054	599 • 3/599	-- --	1,984 • 1,214
19.0-20.9	-- --	1,089 • 770	-- --	-- --	1,089 r 770
21.0-28.9	142 r 104	1,040 * 3/1,040	-- --	-- --	1,182 • 1,045
29.0-38.9	138 r 3/138	-- --	-- --	-- --	138 r 3/138
39.0 OR MORE	-- --	-- --	-- --	-- --	-- --
ALL CLASSES	1,107 * 517	13,380 * 6,416	2,742 r 1,208	3,546 r 1,840	20,776 r 6,728

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 48—Cubic volume of red alder by owner and d.b.h. class, Polk County, Oregon, January 1, 1977^{1/2/}

DBH. CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	33 r 3/33	435 * 31435	-- --	-- --	468 * 436
7.0-8.9	236 r -169	3,520 r 2,095	374 r 31374	776 • 31776	4,907 * 2,272
9.0-10.9	-- --	5,123 r 3,124	407 r 3/407	349 r 3/349	5,879 * 3,170
11.0-12.9	216 • 145	5,289 r 2,684	859 • 3/859	1,295 • 924	7,659 r 2,913
13.0-14.9	123 • 3/123	7,942 • 4,584	399 r 3/399	3,559 • 2,721	12,022 * 5,336
15.0-16.9	-- --	7,779 • 3,524	531 • 3/531	1,175 r 852	9,485 r 3,647
17.0-18.9	82 * 2/82	3,869 • 2,404	241 r 3/241	1,250 • 916	5,443 • 2,585
19.0-20.9	-- --	3,324 r 1,862	-- --	-- --	3,324 r 1,862
21.0-28.9	-- --	6,498 r 3,706	-- --	-- --	6,498 • 3,706
29.0-38.9	-- --	656 r 3/656	-- --	-- --	656 r 3/656
39.0 OR MORE	-- --	-- --	-- --	-- --	-- --
ALL CLASSES	690 r 351	44,434 r 15,441	2,810 • 2,263	8,405 * 5,510	56,340 r 16,395

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 49—Cubic volume of bigleaf maple by owner and d.b.h. class, Tillamook County, Oregon, January 1, 1977^{1/ 2/}

DB.H.	CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES		THOUSAND CUBIC FEET				
5.0-6.9	--	--	1,055 ± 739	--	926 ± 576	1,980 ± 936
7.0-8.9	--	--	1,895 ± 1,895	--	1,444 ± 1,021	3,339 ± 2,153
9.0- 10.9	--	--	1,322 ± 659	--	--	1,322 ± 659
11.0-12.9	856 ± 3/856	--	362 ± 3/362	--	1,189 ± 769	2,407 ± 1,206
13.0-14.9	--	--	649 ± 3/649	753 ± 3/753	517 ± 3/517	1,919 ± 1,072
15.0-16.9	1,174 ± 311,174	--	917 ± 3/917	73 ± 3/73	338 ± 3/338	2,502 ± 1,529
17.0-18.9	1,072 ± 3/1,072	--	243 ± 3/243	719 ± 3/719	--	2,034 ± 1,313
19.0-20.9	--	--	--	558 ± 3/558	586 ± 3/586	1,144 ± 741
21.0-28.9	--	--	--	1,427 ± 1,046	2,618 ± 2,031	4,045 ± 2,159
29.0-38.9	--	--	--	777 ± 578	2,185 ± 1,424	2,962 ± 1,522
39.0 OR MORE	--	--	--	--	375 ± 3/375	375 ± 3/375
ALL CLASSES		3,102 ± 3/3,102	6,444 ± 3,302	4,306 ± 2,818	10,177 ± 5,325	24,029 ± 7,328

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 50—Cubic volume of red alder by owner and d.b.h. class, Tillamook County, Oregon, January 1, 1977^{1/ 2/}

DB.H.	CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES		THOUSAND CUBIC FEET				
5.0-6.9		13,898 ₪ 4,385	5,191 ₪ 1,893	1,087 ₪ 3/1,087	3,235 ₪ 1,482	23,412 ₪ 5,096
7.0-8.9		16,819 ₪ 4,872	6,646 ₪ 1,799	1,975 ₪ 1,276	6,602 ₪ 3,128	32,042 ₪ 6,152
9.0- 10.9		30,839 ₪ 8,649	12,149 ₪ 3,728	54 ₪ 3/54	5,593 ₪ 2,299	48,634 ₪ 9,692
11.0-12.9		17,522 ₪ 6,608	11,810 ₪ 2,766	2,168 ₪ 1,263	5,863 ₪ 3,106	37,362 ₪ 7,814
13.0-14.9		14,343 ₪ 4,266	9,847 ₪ 2,597	2,346 ₪ 1,284	1,086 ₪ 648	27,621 ₪ 5,171
15.0-16.9		2,654 ₪ 1,745	6,156 ₪ 1,946	2,383 ₪ 1,690	1,016 ₪ 721	12,210 ₪ 3,175
17.0-18.9		4,241 ₪ 2,151	5,425 ₪ 1,873	2,097 ₪ 1,678	1,186 ₪ 692	12,949 ₪ 3,327
19.0- 20.9		2,541 ₪ 1,608	2,383 ₪ 1,103	707 ₪ 3/707	494 ₪ 380	6,124 ₪ 2,107
21.0-28.9		3,066 ₪ 2,015	2,746 ₪ 1,506	3,580 ₪ 2,650	3,633 ₪ 1,569	13,024 ₪ 3,778
29.0-38.9		482 ₪ 3/482	399 ₪ 3/399	-- ₪ --	587 ₪ 3/587	1,469 ₪ 858
39.0 OR MORE		-- ₪ --	-- ₪ --	-- ₪ --	-- ₪ --	-- ₪ --
ALL CLASSES		106,404 ₪ 23,396	62,752 ₪ 11,388	16,396 ₪ 8,813	29,295 ₪ 9,176	214,846 ₪ 28,194

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 51—Cubic volume of bigleaf maple by owner and d.b.h. class, Washington County, Oregon, January 1, 1977^{1/ 2/}

DBH CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	-- --	550 ± 408	887 ± 514	701 ± 534	2,138 • 826
7.0-8.9	2,895 ± 2,154	987 • 685	901 ± 638	3,112 ± 2,163	7,895 ± 3,173
9.0-10.9	1,927 ± 1,707	1,411 ± 833	283 • 3/283	1,713 ± 1,218	5,051 • 2,256
11.0-12.9	3,400 ± 2,974	-- --	-- --	-- --	3,682 ± 2,987
13.0-14.9	784 ± 606	3,598 ± 2,504	-- --	685 ± 3/685	5,066 ± 2,666
15.0-16.9	938 ± 593	555 ± 3,155	-- --	-- --	1,494 ± 812
17.0-18.9	995 ± 721	732 ± 518	775 ± 3/775	-- --	2,501 • 1,178
19.0-20.9	-- --	1,187 • 841	-- --	-- --	1,187 ± 841
21.0-28.9	991 ± 658	1,077 • 3/1,077	-- --	-- --	2,069 ± 1,262
29.0-38.9	966 ± 3/966	-- --	-- --	-- --	966 ± 3/966
39.0 OR MORE	-- --	-- --	-- --	-- --	-- --
ALL CLASSES	12,896 ± 6,176	10,097 ± 5,205	2,846 • 1,259	6,210 • 3,540	32,049 ± 8,824

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 52—Cubic volume of red alder by owner and d.b.h. class, Washington County, Oregon, January 1, 1977^{1/ 2/}

DBH CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	231 ± 31231	72 ± 3/72	-- --	-- --	304 ± 242
7.0-8.9	2,699 ± 1,594	3,263 ± 2,203	484 ± 3/484	660 • 3/660	7,106 • 2,839
9.0-10.9	-- --	4,434 ± 3,137	520 ± 3/526	297 ± 3/297	5,256 ± 3,194
11.0-12.9	1,904 ± 1,392	4,211 ± 1,944	1,110 • 3/1,110	1,590 ± 1,145	8,816 ± 2,780
13.0-14.9	735 ± 3/735	6,044 ± 3,377	1,791 ± 3/1,791	4,347 • 3,481	12,918 ± 5,207
15.0-16.9	-- --	5,976 ± 2,913	686 ± 3/686	1,318 ± 1,008	7,980 • 3,123
17.0-18.9	205 ± 3/205	1,680 • 982	1,085 ± 3/1,085	1,414 ± 1,097	4,384 • 1,841
19.0-20.9	-- --	1,446 ± 868	-- --	-- --	1,446 • 868
21.0-28.9	-- --	2,194 ± 1,250	-- --	-- --	2,194 ± 1,250
29.0-38.9	-- --	176 • 31176	-- --	-- --	176 ± 31176
39.0 OR MORE	-- --	-- --	-- --	-- --	-- --
ALL CLASSES	5,775 ± 2,994	29,498 • 12,714	5,682 ± 4,018	9,626 ± 6,703	50,580 ± 14,941

1/Totals may be off because of rounding.

2/Confidence intervals are at the 0.68-probability level.

3/Sampling error may be higher.

Table 53—Cubic volume of bigleaf maple by owner and d.b.h. class, Yamhill County, Oregon, January 1, 1977^{1/ 2/}

D.B.H. CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	-- --	543 ± 401	1,348 ± 81.9	628 ± 452	2,519 • 998
7.0-8.9	82 ± 3/82	516 ± 360	1,182 ± 865	1,697 ± 1,018	3,476 ± 1,366
9.0-10.9	72 ± 3/72	1,771 ± 1,106	-- --	1,086 ± 800	2,929 ± 1,366
11.0-12.9	354 ± 252	-- --	498 ± 3/498	-- --	852 • 558
13.0-14.9	24 ± 3/24	2,117 ± 1,279	-- --	624 ± 3/624	2,765 ± 1,423
15.0-16.9	58 ± 3/58	223 ± 3/223	-- --	-- --	281 ± 230
17.0-18.9	69 ± 50	769 ± 606	706 ± 3/706	-- --	1,544 ± 932
19.0-20.9	-- --	554 ± 399	-- --	-- --	554 ± 399
21.0-28.9	111 ± 84	433 ± 3/433	-- --	-- --	544 ± 441
29.0-38.9	108 ± 3/108	-- --	-- --	-- --	108 ± 3/108
39.0 OR MORE	-- --	-- --	-- --	-- --	-- --
ALL CLASSES	877 ± 407	6,925 ± 3,226	3,734 ± 1,665	4,034 ± 1,997	15,571 ± 4,049

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

Table 54—Cubic volume of red alder by owner and d.b.h. class, Yamhill County, Oregon, January 1, 1977^{1/ 2/}

D.B.H. CLASS	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISCELLANEOUS PRIVATE	ALL OWNERSHIPS
INCHES	THOUSAND CUBIC FEET				
5.0-6.9	26 ± 3/26	85 ± 3/85	-- --	-- --	111 ± 89
7.0-8.9	207 ± 132	1,965 • 1,217	441 ± 3/441	1,162 ± 3/1,162	3,775 ± 1,744
9.0-10.9	-- --	2,744 ± 1,780	479 ± 3/479	523 ± 3/523	3,746 • 1,916
11.0-12.9	89 ± 3/89	2,852 • 1,504	1,012 ± 3/1,012	1,200 ± 928	5,153 ± 1,954
13.0-14.9	-- --	4,162 ± 2,406	730 ± 3/730	4,014 ± 3,182	8,907 ± 4,051
15.0-16.9	-- --	4,170 ± 1,905	626 ± 3/626	1,530 ± 1,088	6,325 ± 2,241
17.0-18.9	160 ± 3/160	2,118 ± 1,307	442 ± 3/442	1,618 ± 1,158	4,338 ± 1,809
19.0-20.9	-- --	1,735 ± 966	-- --	-- --	1,735 ± 966
21.0-28.9	-- --	3,461 ± 2,043	-- --	-- --	3,461 • 2,043
29.0-38.9	-- --	331 ± 3/331	-- --	-- --	331 ± 3/331
39.0 OR MORE	-- --	-- --	-- --	-- --	-- --
ALL CLASSES	482 ± 265	23,623 ± 8,471	3,730 ± 2,813	10,047 ± 6,828	37,882 ± 10,992

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

^{2/}Confidence intervals are at the 0.68-probability level.

^{3/}Sampling error may be higher.

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 mile = 1.609 kilometers (km)
1 foot = 0.3048 meter (m)
1 inch = 2.54 centimeters (cm)

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The hardwood resource in western Oregon is described by species and ownership. Changes in the private hardwood resource between **1961-62** and 1973-76 are shown. Statistics of size, volume, and ownership by county **are** presented for red alder (***Alnus rubra*** Bong.) and bigleaf maple (***Acer macrophyllum*** Pursh).

Keywords: Hardwoods, timber resources, resources (forest), red alder, ***Alnus rubra***, bigleaf maple, ***Acer macrophyllum***, western Oregon, Oregon (western).

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