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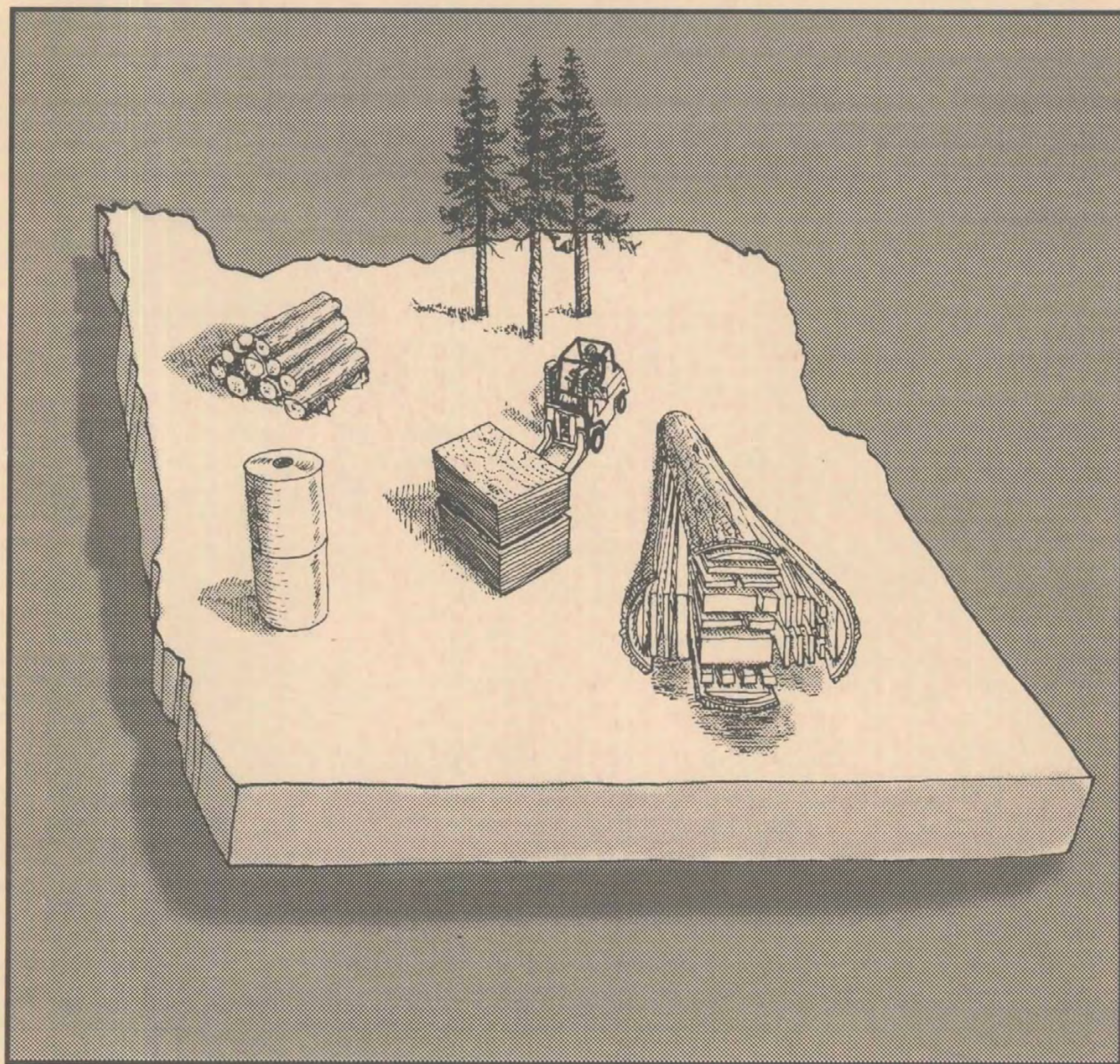
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Oregon's Forest Products Industry: 1994

Franklin R. Ward

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Author

FRANKLIN R. WARD was a forestry technician (now retired), Forestry Sciences Laboratory, P.O. Box 3890, Portland, Oregon 97208-3890.

Abstract

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This report presents the findings of a survey of primary forest products industries in Oregon for 1994. The survey included the following sectors: lumber; veneer; pulp and board; shake and shingle; export; and post, pole, and piling. Tables, presented by sector and for the industry as a whole, include characteristics of the industry, nature and flow of logs consumed, and disposition of mill residues.

Keywords: Forest products industry, mill surveys, wood utilization, mill residues, Oregon.

Summary

This report presents the results of a survey of the primary wood-processing industry in Oregon for 1994. Data for the survey were obtained from a mail and telephone canvass in 1995 of primary wood-processing firms in the State. Industry contacts for the survey were based on lists from previous surveys, various directories of the forest products industry, and information passed on by individual millowners. Similar surveys were produced in 1968, in cooperation with the Oregon Division of Forestry; in 1972, with Oregon State University; and by the Pacific Northwest Research Station in 1976, 1982, 1985, 1988, 1992. This survey identified the raw material inputs and characteristics of the forest products industry. Data are shown separately for the following industries: lumber; veneer and plywood; pulp and board; shake and shingle; export; and post, pole, and piling.

The survey identified 172 separate operations that used about 3.9 billion board feet of logs in 1994. The lumber (68 percent) and veneer (23 percent) sectors were the major users. In addition, the pulp and board industry used about 6.3 million tons of wood fiber, 47 percent of it in mill residues. The industry as a whole generated about 6.8 million tons of residual materials, of which less than 1 percent was not used.

Data for log consumption and product output are actual figures reported by the mills. Subsequent classification of these data (that is, by species, owner, origin, degree of manufacturing, and other criteria) was based on percentage distributions provided by the mills and may not agree precisely with other published figures. Statistics on mill residues are based on average factors applied to product output; thus, they may differ from actual volumes for a given mill. Information collected from each mill is assumed to be the best available, and whenever possible, the information came from formal records. Some information had to be estimated, however. Information for individual mills is strictly confidential, and any information that could reveal critical details of an individual operation has been combined with other data to avoid disclosure.

There were at least 17 sawmills, 9 veneer mills, 1 shake and shingle mills, 5 log export companies, and 3 post, pole, and piling operations that declined to participate in the survey.

Highlights

Industry Characteristics

Total number of mills in 1994¹

Type of mill	Number
Sawmills	106
Veneer and plywood	34
Pulp	9
Board	22
Shake and shingle	10
Post, pole, and piling	10

- Lane County led all others with 13 mills, or 15 percent of the total for the State.
- The 60 largest sawmills had 90 percent of total sawmill capacity.

Wood Consumption

- A total of 3,775 million board feet of logs was consumed.
- The pulp and board industry consumed about 4.5 million tons of mill residues and offsite roundwood chips.

Leading counties in roundwood consumption were:

County	Million board feet
Lane	785
Douglas	350
Josephine and Curry	206

- Public lands were the source for 22 percent of the log consumption; National Forests provided 53 percent of the logs from public lands.

Log consumption by industry was:

Industry	Percent
Sawmills	68.2
Veneer	23.2
Log export	5.7
Pulp and board	2.1
Post, pole, and piling	.7
Shake and shingle	.1

¹ The number of mills in this listing show mills operating in 1994. Not all mills participated in the survey, so other data shown in the summary, introduction, and in tables 1 through 58 in Appendix 2 are based on mills that responded to the survey.

Mill Residues

A total of about 6.8 million tons of residues was generated:

Type of mill	Dry weight of residue
--------------	-----------------------

Tons

Sawmills	5,202,824
Veneer	2,199,787
Shake and shingle	7,059

- Seventy-eight percent of the residue was wood, 22 percent was bark.
- More than 99 percent of the wood and bark residue was used.
- Nearly 83 percent of wood residue went to pulp and board industries; 10.3 percent was used for fuel.
- About 80 percent of bark was used for fuel; about 19 percent was used for miscellaneous purposes.

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Introduction

The forest products industry of Oregon continues to be the Nation's number one producer of wood products in the United States. In addition to ranking first in production of lumber, Oregon accounted for 32.7 percent of logs shipped through West Coast ports (Western Wood Products Association 1994).

The forest products industry contributes significantly to the State's economy. The activities of this industry are translated into jobs, payroll, tax contributions, and the purchases of services and materials. The viability of the industry has even more significance to many small communities. In some towns, the local mill¹ may be the only employer other than the service industry.

Changes in timber supply, technology, and product demand have resulted in a much changed industry from the one that existed even 10 years ago. Oregon has fewer mills, greater diversification, a wider range of products, and more efficient and complete use of the timber resource.

For these reasons, up-to-date information on the forest industry is vital. Decision-makers and planners, both within and outside the industry, need to know how the industry is changing and how the resource is being used. This report provides much of this information through an indepth look at Oregon's forest products industry for 1994. Coupled with similar reports for 1968 (Manock and others 1970), 1972 (Schuldt and Howard 1974), 1976 (Howard and Hiserote 1978), 1982 (Howard 1984), 1985 (Howard and Ward 1988), 1988 (Howard and Ward 1991), and 1992 (Ward 1995), this information provides a basis for examining significant trends in industry characteristics and timber use.

The forest products industry in Oregon was severely impacted by the depressed national economy at the start of the 1980s. By 1983, the industry, spurred by improvements in residential and commercial construction, was beginning to recover. A comparison of log consumption between the 1982 and 1985 reports showed this recovery. In 1982, reported log consumption by the forest products industry was 5.96 billion board feet. In 1985, this figure was 8.27 billion board feet, an increase of 39 percent. The 1988 report shows this recovery has slowed down. The log consumption in 1988 was 8.8 billion board feet, an increase of only 6 percent since 1985. Environmental constraints placed on forested lands in the late 1980s and early 1990s caused a downtrend of log consumption. This trend has slowed down since 1992 showing about only a 2 percent overall decrease in log consumption since 1992. Now, as throughout history, the forest industry reflects the dynamics of supply and demand.

There were at least 17 sawmills, 9 veneer mills, 1 shake and shingle mills, 5 log export companies, and 3 post, pole, and piling operations that declined to participate in the survey. Information in Appendix 2 reflects only data from those mills responding to the survey.

The forest industry, as the term is used in this study, refers to six primary wood-processing industries: sawmills; veneer and plywood; pulp and board; shake and shingle; post, pole, and piling; and export (logs only).

¹ See "Glossary" for definition of terms used in this report.

The location of the forest industry in Oregon is closely related to the geographic distribution of the timber resource. As would be expected, a large share of the industry is in the heavily timbered areas west of the Cascade Range. Figure 1 shows about 82 percent of the log consumption occurred in western Oregon.

The State was divided into five resource areas for the study (fig. 2). Designation of these areas reflected both the nature of the timber resource and the historic marketing structure of the industry. This is borne out by the study data, which show that on average about 85 percent of the logs processed in a particular resource area were harvested within the boundaries of that area.

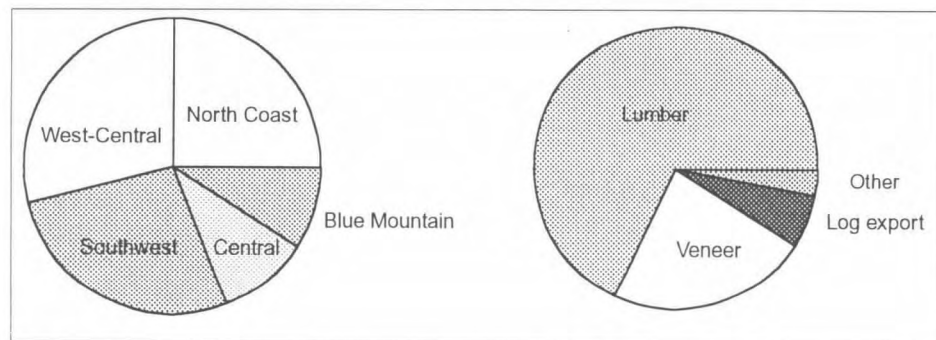


Figure 1—Distribution of log consumption by resource area and industry.

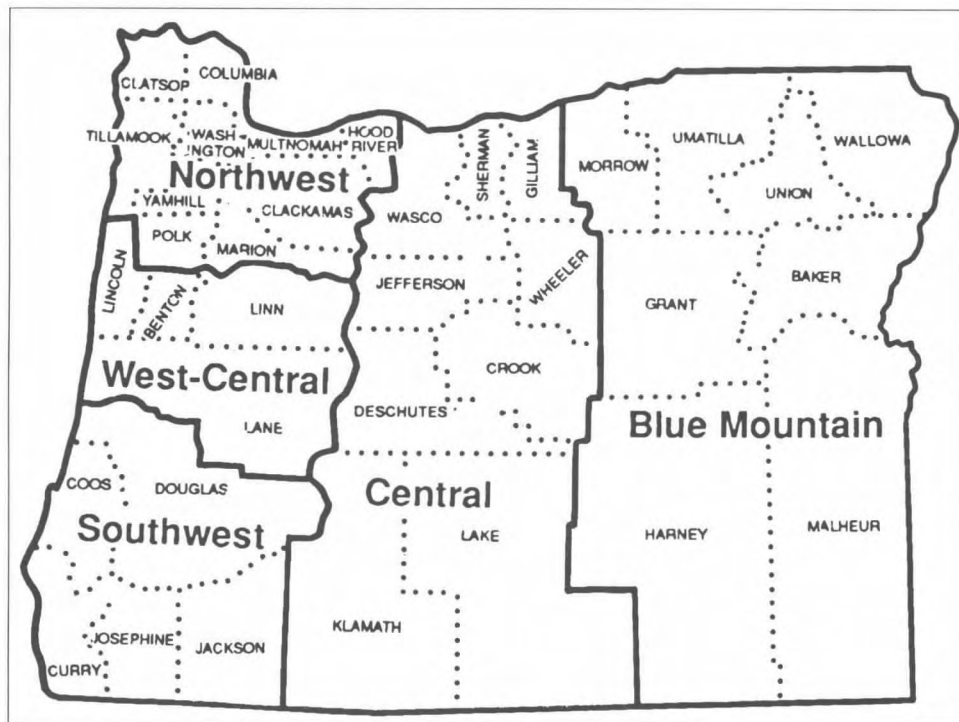


Figure 2—Resource areas for 1994 Oregon forest products industry survey.

Comparison With Previous Surveys

Figures 3 to 6 indicate some trends in Oregon's forest products industry. The tabulation shows the number of mills by industry over time. These data are taken from this report and from those developed in the 1968, 1972, 1976, 1982, 1985, and 1988, 1992, and 1994 surveys.

Industry	Number of mills by year							
	1968	1972	1976	1982	1985	1988	1992	1994
Sawmills	300	262	243	161	173	165	86	89
Veneer	138	133	132	101	89	87	40	26
Pulp and board	37	40	40	36	35	33	30	31
Shake and shingle	48	43	46	34	26	24	10	9
Post, pile, and piling	²	10	9	8	7	18	11	7
Log export	²	38	28	32	35	33	13	10
Total	523	526	498	372	365	360	190	172

² The post, pole, and piling and the log export industries were not included in the 1968. This listing shows only the number of mills responding to the survey.

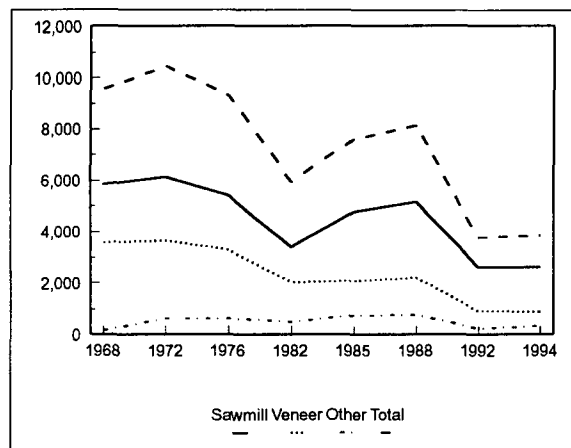


Figure 3—Log consumption by industry.

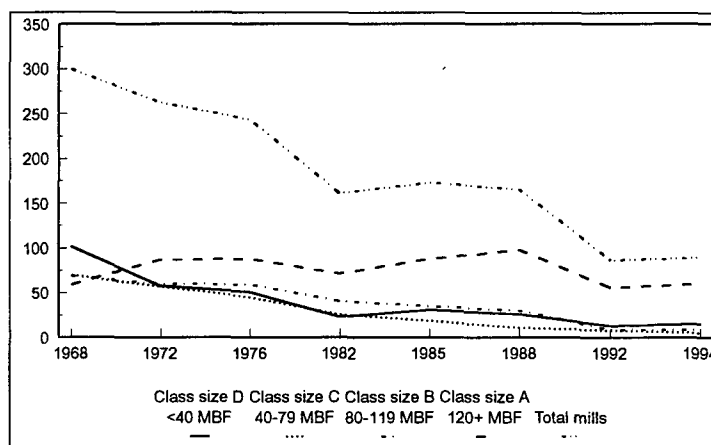


Figure 4—Sawmills by size class.

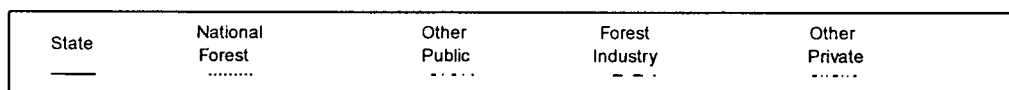
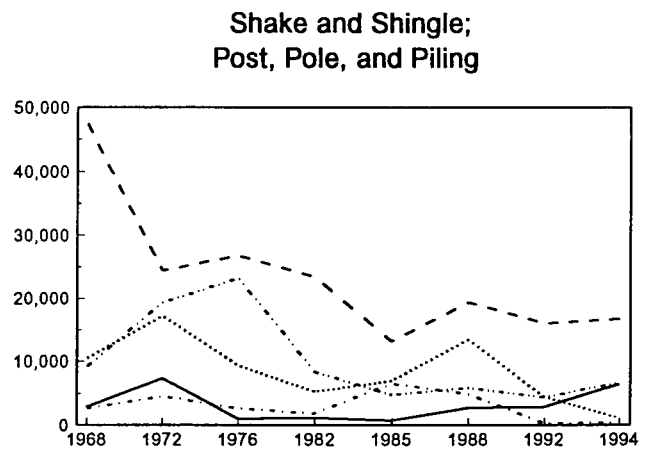
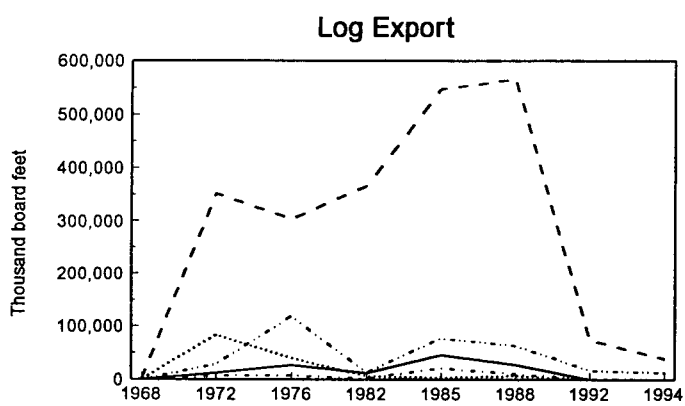
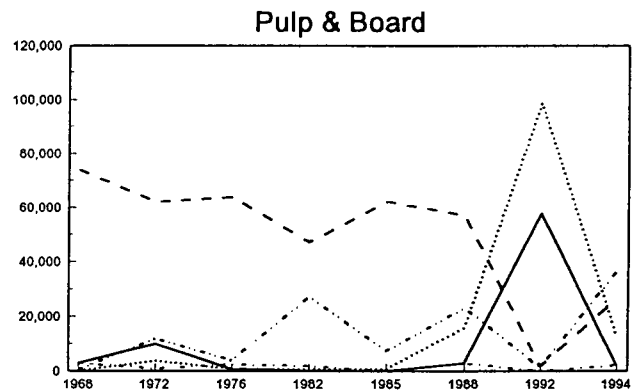
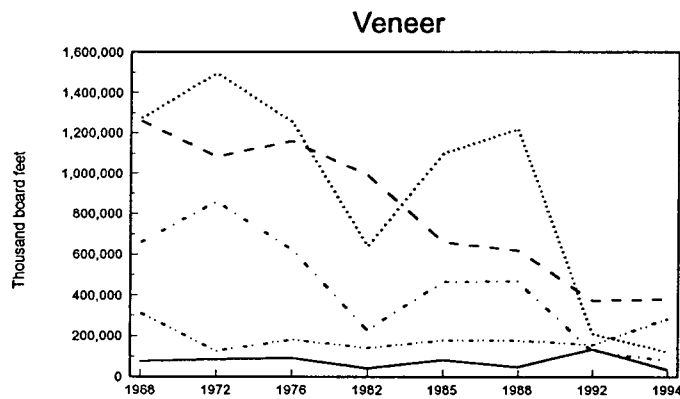
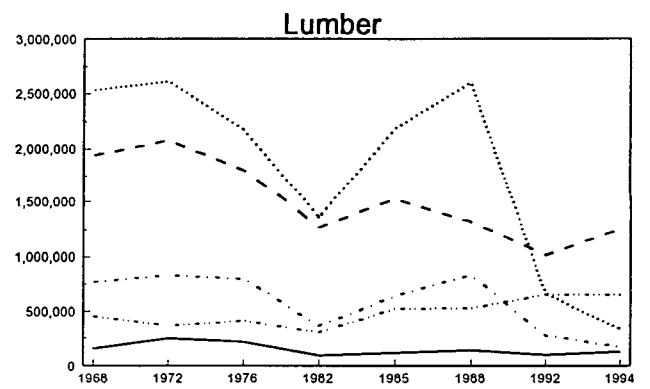
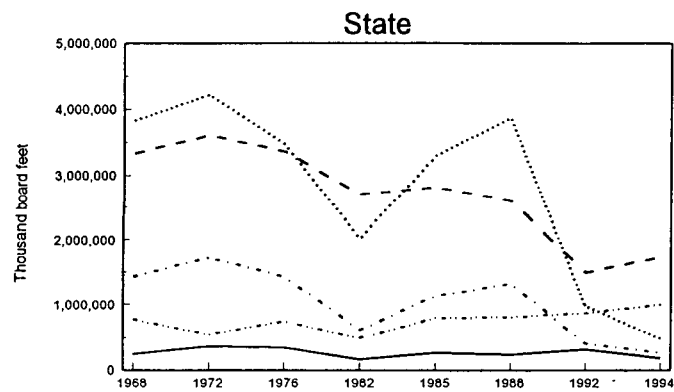


Figure 5—Log consumption by ownership class and industry.

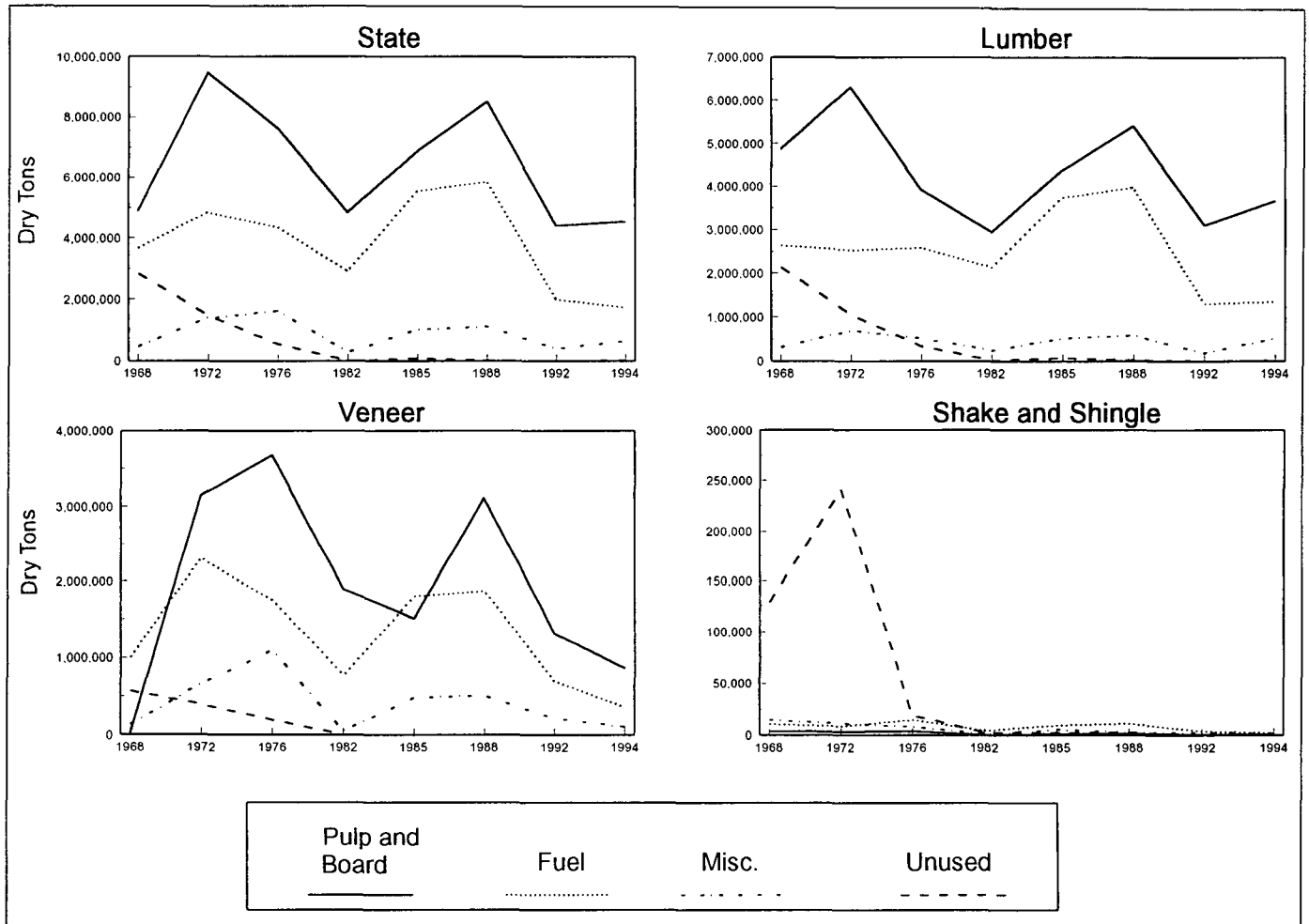


Figure 6—Production and disposition of wood and bark residue by use and by industry.

Glossary

Apparent log receipts—The sum of a mill's log consumption and gain or loss in inventory.

MBF—Thousand board feet.

Mill—Each identifiable operation at one location: a sawmill with a large-log operation and a small-log operation is counted as two mills; also, a sulfate and a groundwood pulping process at one location is counted as two mills.

Offsite roundwood chips—Chips from logs that are processed at a chipping mill, not as part of a milling operation, then transported to the user.

Utility log—Logs with the following minimum specifications: 6-inch diameter, 12-foot length, 50 percent or more chippable gross scale.

Acknowledgments

We thank the millowners and operators who cooperated in providing the data for this report, the major forest industry associations for their support of this study.

Metric Conversions

1 cubic foot = 0.02832 cubic meter
1 ton = 907.1849 kilograms
1 square foot = 0.0929 square meter

Measurement Units

The board foot is the unit of measure used in this report for all wood consumption, with the exception of purchased or transferred veneer (square feet, 3/8-inch basis) and mill residues (tons, dry weight) consumed by pulpmills and board mills. Consumption by mills not reported in these units was converted by use of the following factors:

1 cord = 500 board feet
1 ton = 500 board feet
10.5 squares = 1,000 board feet (MBF)
1 lineal foot = 3.8 board feet
1 cubic foot = 6 board feet
200 cubic-foot units = 1 bone-dry ton
1 bone-dry unit = 1.2 bone-dry tons

Board-foot lumber tally is the unit of measure used for lumber production; square feet, 3/8-inch basis, for veneer and plywood production; square (100 square feet) for shake and shingle production; and board-foot "local scale" for log export and post, pole, and piling shipments.

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Appendix 1 Mill Residues

In this study, no attempt was made to get individual mills to quantify the amount of residue produced. Although mills might be able to specify amounts of residue sold for high-value uses (such as pulp chips), the low-value uses (such as mulch or fuel) are more difficult to quantify. The mills therefore were asked to indicate only the percentage distribution of their residue disposal. These percentages then were applied to residue volume estimates derived through use of the following factors.

Softwood sawmill residue—Average quantity of residues developed from producing 1,000 board feet of lumber:¹

Type of output	Solid volume ²		Dry weight	
			Western Oregon	Eastern Oregon
	<i>Cubic feet</i>	<i>Percent³</i>	<i>- - - - Tons - - - -</i>	
Wood residue:				
Slabs, edgings, sawmill trim	36	24.5	0.486	0.480
Planer trim	3	2.0	.041	.036
Sawdust	16	10.9	.216	.264
Planer shavings	16	10.9	.216	.192
Total, wood residue	71	48.3	.959	.972
Bark	19	12.9	.258	.228
Lumber	57	38.8	.864	.780
Total, all output	147	100.0	2.081	1.980

¹ Based on data from Oregon mills compiled by Oregon State University, School of Forestry, in 1967 and adjusted for changes in lumber standards in 1974 by James O. Howard.

² Equivalent undried solid volume of residue.

³ Percentage of log by volume.

Softwood plywood residue—Average quantity of residue developed in producing the equivalent of 1,000 square feet of 3/8-inch plywood (rough basis):⁴

Type of output	Solid volume ⁵	Dry weight
	<i>Cubic feet</i>	<i>Tons</i>
Wood residue:		
Log trim	3.4	0.048
Core	6.3	.088
Veneer clip, roundup, and spur trim	19.3	.270
Dry trim and layup loss	6.3	.088
Sander dust	1.6	.022
Total, wood residue	36.9	.516
Bark	8.8	.132
Plywood	34.9	.463
Total, all output	80.6	1.111

Hardwood sawmill residue—Average residue developed from producing 1,000 board feet of lumber by using a narrow kerf bandsaw:⁶

Type of residue	Dry tons
Coarse	0.60
Shavings	.22
Bark	.34
Sawdust	.23

⁴ All residue factors, except sander dust and bark, from data collected in various mill studies by the Timber Quality and Product Yield Potential of Western Softwoods Resources Project, Pacific Northwest Research Station, and compiled by James O. Howard. Sander dust and bark factors based on data from Oregon mills compiled in 1967 by Oregon State University, School of Forestry.

⁵ Volumes are based on equivalent green volume.

⁶ Based on information furnished by Northwest Hardwoods, Inc., Portland, OR.

Shingle mill residue—Average quantity of residue developed from using 1,000 board feet, Scribner scale, of logs or in producing the equivalent volume of 10.5 squares:⁷

Type of residue	Solid volume		Dry weight per thousand board feet
	<i>Cubic feet</i>	<i>Percent</i>	<i>Tons</i>
From shingles:			
Coarse	23	13.7	0.22
Fine	78	46.8	.75
Bark	19	11.5	.28
From shakes:			
Coarse	23	13.7	.22
Fine	24	14.5	.23
Bark	19	11.5	.28
From hip and ridge and other:			
Coarse	23	13.7	.22
Fine	51	30.6	.49
Bark	19	11.5	.28

⁷ Based on discussions with the Redcedar Shingle Bureau, Bellevue, WA.

Appendix 2

Note: Totals among tables may not be the same due to rounding.

Table 1--Number of mills by resource area and type of industry, Oregon, 1994

RESOURCE AREA	LUMBER	VENEER	PULP AND BOARD ^a	OTHER INDUSTRIES			ALL INDUSTRIES
				SHAKE AND SHINGLE	EXPORT ^b	POST, POLE, AND PILING	
NORTHWEST	24	6	6	3	3	4	46
WEST-CENTRAL	24	7	13	6	--	--	50
SOUTHWEST	21	10	4	--	7	--	42
CENTRAL	8	3	8	--	--	3	22
BLUE MOUNTAIN	12	--	--	--	--	--	12
ALL AREAS	89	26	31	9	10	7	172

^a Each pulping process at a single location is considered an individual mill.^b Represents the number of identifiable operations involved in the export of logs.

Table 2--Wood consumption by mills, by resource area, industry, and type of material, Oregon, 1994

RESOURCE AREA AND INDUSTRY	ROUNDWOOD	OTHER WOOD ^a	RESIDUE ^b
	THOUSAND BOARD FEET SCRIBNER LOG RULE		TONS DRY WEIGHT
NORTHWEST:			
LUMBER	693,066	2,000	--
VENEER	210,758	--	--
PULP AND BOARD	21,514	--	1,199,823
SHAKE AND SHINGLE	1,867	--	--
EXPORT ^c	17,377	--	--
POST, POLE, AND PILING ^d	15,878	--	--
TOTAL	960,460	2,000	1,199,823
WEST-CENTRAL:			
LUMBER	847,478	200	--
VENEER	222,650	--	--
PULP AND BOARD	43,500	--	3,459,451
SHAKE AND SHINGLE	2,740	199	--
EXPORT ^c	--	--	--
POST, POLE, AND PILING ^d	--	--	--
TOTAL	1,116,368	399	3,459,451
SOUTHWEST:			
LUMBER	516,892	18,057	--
VENEER	352,508	--	--
PULP AND BOARD	--	--	848,952
EXPORT ^e	201,650	--	--
TOTAL	1,071,050	18,057	848,952
CENTRAL:			
LUMBER	236,233	--	--
VENEER	106,991	--	--
PULP AND BOARD ^e	15,600	--	1,129,686
POST, POLE, AND PILING	11,114	--	--
TOTAL	369,938	--	1,129,686
BLUE MOUNTAIN:			
LUMBER	337,922	--	--
PULP AND BOARD ^e	--	--	--
TOTAL	337,922	--	--
ALL AREAS:			
LUMBER	2,631,591	20,257	--
VENEER	892,907	--	--
PULP AND BOARD	80,614	--	6,637,912
SHAKE AND SHINGLE	4,607	199	--
EXPORT	219,027	--	--
POST, POLE, AND PILING	26,992	--	--
TOTAL	3,855,738	20,456	6,637,912

^a Includes peeler cores and cants used by sawmills; blocks, boards, and bolts used by shake and shingle mills; and miscellaneous peeled products used by post, pole, and piling mills.

^b Includes residues from the sawmill, veneer and plywood, and shake and shingle industries, plus chips from roundwood chipping plants.

^c Northwest Area and West-Central Area combined to avoid disclosure.

^d Northwest Area and West-Central Area combined to avoid disclosure.

^e Central Area includes board mills from Blue Mountain Area to avoid disclosure.

Table 3--Log flows to mills by resource area, industry, and State, Oregon, 1994

RESOURCE AREA AND INDUSTRY	OREGON	WASHINGTON	CALIFORNIA	IDAHO	MONTANA	OTHER	ALL STATES
<u>THOUSAND BOARD FEET, SCRIBNER LOG RULE</u>							
NORTHWEST:							
LUMBER	565,438	122,228	--	2,700	--	2,700	693,066
VENEER	179,723	27,985	--	--	--	3,050	210,758
PULP AND BOARD	--	--	--	--	--	--	--
SHAKE AND SHINGLE	247	1,620	--	--	--	--	1,867
EXPORT ^a	8,797	8,580	--	--	--	--	17,377
POST, POLE, AND PILING ^b	12,280	3,041	--	--	--	558	15,879
TOTAL	766,485	163,454	--	2,700	--	6,308	938,947
WEST-CENTRAL:							
LUMBER	796,770	45,162	900	--	197	4,450	847,479
VENEER	204,363	18,288	--	--	--	--	222,651
PULP AND BOARD	--	--	--	--	--	--	--
SHAKE AND SHINGLE	2,335	405	--	--	--	--	2,740
EXPORT ^a	--	--	--	--	--	--	--
POST, POLE, AND PILING ^b	--	--	--	--	--	--	--
TOTAL	1,003,468	63,855	900	--	197	4,450	1,072,870
SOUTHWEST:							
LUMBER	398,445	4,277	104,272	5,000	--	4,898	516,892
VENEER	303,868	--	46,742	--	--	1,899	352,509
PULP AND BOARD	--	--	--	--	--	--	--
EXPORT	183,466	13,544	1,191	130	--	3,319	201,650
TOTAL	885,779	17,821	152,205	5,130	--	10,116	1,071,051
CENTRAL:							
LUMBER	223,031	2,390	6,831	1,990	1,990	--	236,232
VENEER	59,660	--	43,452	2,715	776	388	106,991
PULP AND BOARD	--	--	--	--	--	--	--
POST, POLE, AND PILING	11,114	--	--	--	--	--	11,114
TOTAL	293,805	2,390	50,283	4,705	2,766	388	354,337
BLUE MOUNTAIN:							
LUMBER	253,571	41,686	--	34,060	6,389	2,216	337,922
PULP AND BOARD	--	--	--	--	--	--	--
TOTAL	253,571	41,686	--	34,060	6,389	2,216	337,922
ALL AREAS:							
LUMBER	2,237,255	215,743	112,003	43,750	8,576	14,264	2,631,591
VENEER	747,614	46,273	90,194	2,715	776	5,337	892,909
PULP AND BOARD	--	--	--	--	--	--	--
SHAKE AND SHINGLE	2,582	2,025	--	--	--	--	4,607
EXPORT	192,263	22,124	1,191	130	--	--	219,027
POST, POLE, AND PILING	23,394	3,041	--	--	--	3,877	26,993
TOTAL	3,203,108	289,206	203,388	46,595	9,352	23,478	3,775,127

^a Northwest Area and West-Central Area combined to avoid disclosure.^b Northwest Area and West-Central Area combined to avoid disclosure.

Table 4--Log flows by resource area, county of use, and county and out-of-State origin, Oregon, 1994

RESOURCE AREA AND COUNTY OF USE	TOTAL	NORTHWEST									
		CLACKAMAS	CLATSOP	COLUMBIA	HOOD RIVER	MARION	MULTNOMAH	POLK	TILLAMOOK	WASHINGTON	YAMHILL
		THOUSAND BOARD FEET, SCRIBNER LOG RULE									
NORTHWEST:											
CLACKAMAS	76,284	28,813	--	--	--	1,375	422	--	--	422	422
CLATSOP ^d	61,514	--	24,151	2,538	--	--	538	--	538	--	--
COLUMBIA, HOOD RIVER, AND MULTNOMAH ^a	168,267	2,000	24,621	33,696	21,500	--	1,000	--	2,914	4,843	--
MARION AND POLK ^a	178,090	8,952	2,800	--	--	14,252	--	31,100	5,604	--	16,067
TILLAMOOK ^b	136,385	180	63,167	--	--	--	--	--	66,288	--	--
WASHINGTON	126,073	2,160	30,413	7,475	--	--	960	5,075	5,075	53,451	2,640
YAMHILL	180,594	30	34,560	--	--	--	--	25,078	37,799	90	22,920
TOTAL	927,207	42,135	179,712	43,709	21,500	15,627	2,920	61,253	118,218	58,806	42,049
WEST-CENTRAL:											
BENTON	150,456	1,320	--	--	--	--	--	6,199	1,320	--	--
LANE ^c	785,363	--	115	976	--	--	57	10,657	443	287	4,428
LINCOLN ^d	46,358	--	2,420	--	--	--	--	--	238	--	476
LINN	164,827	5,940	--	--	--	20,800	3,500	20,560	--	--	13,160
TOTAL	1,147,004	7,260	2,535	976	--	20,800	3,557	37,416	2,001	287	18,064
SOUTHWEST:											
COOS	139,705	--	726	1,304	--	--	--	--	--	--	--
DOUGLAS	360,833	--	--	--	--	--	--	--	--	--	--
JACKSON	187,095	--	--	--	--	--	--	--	--	--	--
JOSEPHINE AND CURRY ^a	206,107	--	--	--	--	--	--	--	--	--	--
TOTAL	893,740	--	726	1,304	--	--	--	--	--	--	--
CENTRAL:											
CROOK AND JEFFERSON ^a	115,607	--	--	--	--	--	--	--	--	--	--
DESCHUTES	38,988	--	--	--	--	--	--	--	--	--	--
KLAMATH AND LAKE ^a	199,744	--	--	--	--	--	--	--	--	--	--
TOTAL	354,339	--	--	--	--	--	--	--	--	--	--
BLUE MOUNTAIN:											
BAKER AND GRANT ^a	84,754	--	--	--	--	--	--	--	--	--	--
MORROW AND UMATILLA ^a	107,731	--	--	--	--	--	--	--	--	--	--
UNION ^d AND WALLOWA ^a	161,036	--	--	--	--	--	--	--	--	--	--
TOTAL	353,521	--	--	--	--	--	--	--	--	--	--
ALL AREAS	3,675,811	49,395	182,973	45,989	21,500	36,427	6,477	98,669	120,219	59,093	60,113

See footnotes at end of table.

Table 4--Log flows by resource area, county of use, and county and out-of-State origin, Oregon, 1994 (continued)

RESOURCE AREA AND COUNTY OF USE	WEST-CENTRAL				SOUTHWEST					CENTRAL		
	BENTON	LANE	LINCOLN	LINN	COOS	CURRY	DOUGLAS	JACKSON	JOSEPHINE	CROOK	DESCHUTES	JEFFERSON
THOUSAND BOARD FEET, SCRIBNER LOG RULE												
NORTHWEST:												
CLACKAMAS	--	--	4,522	844	--	--	--	--	--	--	--	--
CLATSOP ^d	--	--	--	--	--	--	--	--	--	--	--	--
COLUMBIA, HOOD RIVER, AND MULTNOMAH ^a	--	--	--	--	--	--	--	--	--	--	--	--
MARION AND POLK ^a	4,377	25,336	21,992	32,107	--	--	--	--	--	--	4,575	--
TILLAMOOK ^d	--	--	--	--	--	--	--	--	--	--	--	--
WASHINGTON	--	--	5,075	--	--	--	--	--	--	--	--	--
YAMHILL	8,759	--	47,398	3,960	--	--	--	--	--	--	--	--
TOTAL	13,136	25,336	78,987	36,911	--	--	--	--	--	--	4,575	--
WEST-CENTRAL:												
BENTON	24,646	21,169	50,477	9,161	1,832	--	--	--	--	--	--	--
LANE ^c	26,254	462,813	7,284	109,385	11,107	--	106,200	--	--	--	4,675	--
LINCOLN ^d	1,536	1,238	29,443	2,427	--	--	--	--	--	--	--	--
LINN	10,644	32,639	900	40,649	815	--	--	--	--	1,800	2,255	900
TOTAL	63,080	517,859	88,104	161,622	13,754	--	106,200	--	--	1,800	6,930	900
SOUTHWEST:												
COOS	--	9,529	--	391	69,258	3,904	36,259	--	--	--	--	--
DOUGLAS	--	15,632	--	--	50,593	1,155	241,575	9,763	7,028	--	--	--
JACKSON	--	--	--	--	--	--	12,495	111,347	8,116	--	1,727	--
JOSEPHINE AND CURRY ^a	--	--	--	--	7,157	36,590	6,320	5,600	33,600	--	--	--
TOTAL	--	25,161	--	391	127,008	41,649	296,649	126,710	48,744	--	1,727	--
CENTRAL:												
CROOK AND JEFFERSON ^a	--	--	--	--	--	--	--	--	--	26,792	18,335	14,360
DESCHUTES	--	--	--	--	--	--	--	--	--	3,879	15,615	--
KLAMATH AND LAKE ^a	--	--	--	--	--	--	--	--	--	--	134	--
TOTAL	--	--	--	--	--	--	--	--	--	30,671	34,084	14,360
BLUE MOUNTAIN:												
BAKER AND GRANT ^a	--	--	--	--	--	--	--	--	--	100	--	--
MORROW AND UMATILLA ^a	--	--	--	--	--	--	--	--	--	--	--	--
UNION ^d AND WALLAWA	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	--	--	--	--	--	--	--	--	--	100	--	--
ALL AREAS	76,216	568,356	167,091	198,924	140,762	41,649	402,849	126,710	48,744	32,571	47,316	15,260

See footnotes at end of table.

Table 4--Log flows by resource area, county of use, and county, and out-of-State origin, Oregon, 1994 (continued)

RESOURCE AREAS AND COUNTY OF USE	CENTRAL (CONTINUED)				BLUE MOUNTAIN								OUT-OF- STATE
	KLAMATH	LAKE	WASCO	WHEELER	BAKER	GRANT	HARNEY	MALHEUR	MORROW	UMATILLA	UNION	WALLOWA	
THOUSAND BOARD FEET, SCRIBNER LOG RULE													
NORTHWEST:													
CLACKAMAS	--	--	--	--	--	--	--	--	--	--	--	--	39,464
CLATSOP ^d	--	--	--	--	--	--	--	--	--	--	--	--	33,749
COLUMBIA, HOOD RIVER, AND MULTNOMAH ^a	--	--	4,300	--	--	--	--	--	--	--	--	--	73,393
MARION AND POLK ^a	--	--	--	--	--	--	--	--	--	--	--	--	10,928
TILLAMOOK ^c	--	--	--	--	--	--	--	--	--	--	--	--	6,750
WASHINGTON	--	--	--	--	--	--	--	--	--	--	--	--	13,749
YAMHILL	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	--	--	4,300	--	--	--	--	--	--	--	--	--	178,033
WEST-CENTRAL:													
BENTON	--	--	--	--	--	--	--	--	--	--	--	--	34,332
LANE ^c	3,825	--	--	--	--	3,400	--	--	--	--	--	--	33,457
LINCOLN ^d	--	--	--	--	--	--	--	--	--	--	--	--	8,580
LINN	--	--	1,440	1,440	--	900	--	--	--	--	--	--	6,485
TOTAL	3,825	--	1,440	1,440	--	4,300	--	--	--	--	--	--	82,854
SOUTHWEST:													
COOS	--	--	--	--	--	--	--	--	--	--	--	--	18,334
DOUGLAS	909	--	--	--	--	--	--	--	--	--	--	--	34,178
JACKSON	37,391	--	--	--	--	--	--	--	--	--	--	--	16,019
JOSEPHINE AND CURRY ^a	--	--	--	--	--	--	--	--	--	--	--	--	116,840
TOTAL	38,300	--	--	--	--	--	--	--	--	--	--	--	185,371
CENTRAL:													
CROOK AND JEFFERSON ^a	16,719	3,583	21,480	--	--	4,383	--	--	1,592	--	1,592	--	6,771
DESCHUTES	11,736	--	--	3,879	--	--	--	--	--	--	--	--	3,879
KLAMATH AND LAKE ^a	115,164	34,563	--	--	--	--	--	--	--	--	--	--	49,883
TOTAL	143,619	38,146	21,480	3,879	--	4,383	--	--	1,592	--	1,592	--	60,533
BLUE MOUNTAIN:													
BAKER AND GRANT ^a	--	--	--	742	16,643	27,378	4,081	--	--	--	467	1,855	33,488
MORROW AND UMATILLA ^a	--	--	--	3,000	1,560	17,190	--	--	13,560	41,102	4,174	--	27,145
UNION AND WALLOWA ^a	--	--	--	--	30,886	5,773	--	5,667	5,667	22,680	36,564	30,081	23,718
TOTAL	--	--	--	3,742	49,089	50,341	4,081	5,667	19,227	63,782	41,205	31,936	84,351
ALL AREAS	185,744	38,146	27,220	9,061	49,089	59,024	4,081	5,667	20,819	63,782	42,797	31,936	591,142

^a Combined to avoid disclosure.^b Tillamook County includes two shake and shingle mills from Clackamas County, combined to avoid disclosure.^c Lane County includes two post, pole, and piling operations from Northwest Area, combined to avoid disclosure.^d Lincoln County includes a log export company from Clatsop County, combined to avoid disclosure.

Table 5--Log flows to mills from National Forests, by resource area and county of use, Oregon, 1994

RESOURCE AREA AND COUNTY OF USE	DESCHUTES	FREMONT	MALHEUR	MOUNT HOOD	OCHOCO	ROGUE RIVER	SISKIYOU	SIUSLAW	UMATILLA	UMPQUA	WALLOWA- WHITMAN	WILLAMETTE	WINEMA	OUT-OF-STATE FORESTS	ALL FORESTS
THOUSAND BOARD FEET, SCRIBNER LOG RULE															
NORTHWEST:															
CLACKAMAS	--	--	--	19,241	--	--	--	--	--	--	--	141	--	70	19,452
CLATSOP ^d	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COLUMBIA, HOOD RIVER, AND MULTNOMAH ^a	--	--	--	--	--	--	--	1,900	--	--	--	--	--	943	2,843
MARION AND POLK ^a	--	--	--	--	--	--	--	7,438	--	--	--	21,728	--	--	29,166
TILLAMOOK ^b	--	--	--	180	--	--	--	205	--	--	--	--	--	--	385
WASHINGTON	--	--	--	--	--	--	--	--	--	--	--	--	--	5,075	5,075
YAMHILL	--	--	--	--	--	--	--	960	--	--	--	--	--	--	960
TOTAL	--	--	--	19,421	--	--	--	10,503	--	--	--	21,869	--	6,088	57,881
WEST-CENTRAL:															
BENTON	--	--	--	--	--	--	--	--	--	--	--	1,811	--	--	1,811
LANE ^c	1,700	4,250	--	--	--	--	--	12,201	--	4,160	--	50,347	--	--	72,658
LINCOLN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LINN	33	--	--	5,620	49	--	--	163	--	--	--	15,870	--	--	21,735
TOTAL	1,733	4,250	--	5,620	49	--	--	12,364	--	4,160	--	68,028	--	--	96,204
SOUTHWEST:															
COOS	--	--	--	--	--	--	846	--	--	--	--	--	--	--	846
DOUGLAS	--	--	--	--	--	8,378	281	546	--	26,627	--	600	455	--	36,887
JACKSON	--	1,548	--	--	--	37,584	391	--	--	11,606	--	--	22,917	18,811	92,857
JOSEPHINE AND CURRY ^a	--	--	--	--	--	2,240	17,632	--	--	--	--	--	--	8,960	28,832
TOTAL	--	1,548	--	--	--	48,202	19,150	546	--	38,233	--	600	23,372	27,771	159,422
CENTRAL:															
CROOK AND JEFFERSON ^a	10,416	796	--	--	19,731	--	--	--	--	--	--	--	2,388	--	33,331
DESCHUTES	2,377	--	3,879	--	9,309	--	--	--	--	--	--	--	50	--	15,615
KLAMATH AND LAKE ^a	--	8,019	--	--	--	--	--	--	--	--	--	--	5,935	9,763	23,717
TOTAL	12,793	8,815	3,879	--	29,040	--	--	--	--	--	--	--	8,373	9,763	72,663
BLUE MOUNTAIN:															
BAKER AND GRANT ^a	--	--	15,607	--	--	--	--	--	--	--	11,085	--	--	21,368	48,060
MORROW AND UMATILLA ^a	--	--	5,882	--	--	--	--	--	996	--	855	--	--	--	7,733
UNION AND WALLOWA ^a	--	--	10,201	--	--	--	--	--	10,201	--	13,602	--	--	1,800	35,804
TOTAL	--	--	31,690	--	--	--	--	--	11,197	--	25,542	--	--	23,168	91,597
ALL AREAS	14,526	14,613	35,569	25,041	29,089	48,202	19,150	23,413	11,197	42,393	25,542	90,497	31,745	66,790	477,767

^a Combined to avoid disclosure.^b Tillamook County includes two shake and shingle mills from Clackamas County, combined to avoid disclosure.^c Lane County includes two post, pole, and piling operations from Northwest Area, combined to avoid disclosure.^d Lincoln County includes a log export company from Clatsop County, combined to avoid disclosure.

Table 6--Log flows to mills from National Forests, by resource area and industry, Oregon, 1994

RESOURCE AREA AND INDUSTRY	DESCHUTES	FREMONT	MALHEUR	MOUNT HOOD	OCHOCO	ROGUE RIVER	SISKIYOU	SIUSLAW	UMATILLA	UMPQUA	WALLOWA- WHITMAN	WILLAMETTE	WINEMA	OUT-OF-STATE FORESTS	ALL FORESTS
THOUSAND BOARD FEET, SCRIBNER LOG RULE															
NORTHWEST:															
LUMBER	--	--	--	19,241	--	--	--	9,105	--	--	--	141	--	6,088	34,575
VENEER	--	--	--	--	--	--	--	1,398	--	--	--	21,728	--	--	23,126
SHAKE AND SHINGLE	--	--	--	180	--	--	--	--	--	--	--	--	--	--	180
POST, POLE, AND PILING ^a	--	--	--	--	--	--	--	--	--	--	--	57	--	--	57
TOTAL	--	--	--	19,421	--	--	--	10,503	--	--	--	21,926	--	6,088	57,938
WEST-CENTRAL:															
LUMBER	33	--	--	5,620	49	--	--	12,332	--	4,160	--	51,237	--	--	73,431
VENEER	--	--	--	--	--	--	--	--	--	--	--	11,998	--	--	11,998
PULP AND BOARD	1,700	4,250	--	--	--	--	--	--	--	--	--	2,550	--	--	8,500
SHAKE AND SHINGLE	--	--	--	--	--	--	--	32	--	--	--	375	--	--	407
POST, POLE, AND PILING ^a	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	1,733	4,250	--	5,620	49	--	--	12,364	--	4,160	--	66,160	--	--	94,336
SOUTHWEST:															
LUMBER	--	1,399	--	--	--	28,701	15,024	226	--	8,217	--	600	23,322	24,118	101,607
VENEER	--	150	--	--	--	19,501	4,126	320	--	30,017	--	--	50	3,653	57,817
PULP AND BOARD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	--	1,549	--	--	--	48,202	19,150	546	--	38,234	--	600	23,372	27,771	159,424
CENTRAL:															
LUMBER	10,466	8,815	--	--	19,731	--	--	--	--	--	--	--	5,018	--	44,030
VENEER	2,327	--	3,879	--	9,309	--	--	--	--	--	--	--	2,888	9,763	28,166
PULP AND BOARD	--	--	2,925	--	--	--	--	--	585	--	390	--	--	--	3,900
POST, POLE, AND PILING ^a	--	--	--	--	--	--	--	--	--	--	--	--	468	--	468
TOTAL	12,793	8,815	6,804	--	29,040	--	--	--	585	--	390	--	8,374	9,763	76,564
BLUE MOUNTAIN:															
LUMBER	--	--	28,765	--	--	--	--	--	10,612	--	25,152	--	--	23,168	87,697
TOTAL	--	--	28,765	--	--	--	--	--	10,612	--	25,152	--	--	23,168	87,697
ALL AREAS:															
LUMBER	10,499	10,214	28,765	24,861	19,780	28,701	15,024	21,663	10,612	12,377	25,152	51,978	28,340	53,374	341,340
VENEER	2,327	150	3,879	9,309	9,309	19,501	4,126	1,718	--	30,017	--	33,726	2,938	13,416	121,107
PULP AND BOARD	1,700	4,250	2,925	--	--	--	--	--	585	--	390	2,550	--	--	12,400
SHAKE AND SHINGLE	--	--	--	180	--	--	--	32	--	--	--	375	--	--	587
EXPORT	--	--	--	--	--	--	--	--	--	--	--	--	57	--	--
POST, POLE, AND PILING	--	--	--	--	--	--	--	--	--	--	--	--	468	--	468
TOTAL	14,526	14,614	35,569	25,041	29,089	48,202	19,150	23,413	11,197	42,394	25,542	88,686	31,746	66,790	475,959

^a West-Central Area and Northwest Area combined to avoid disclosure.

Table 7--Log consumption by mills, by resource area, industry, and owner, Oregon, 1994

RESOURCE AREA AND INDUSTRY	STATE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY					
					OWN WOOD SUPPLY	OTHER WOOD SUPPLY	OTHER PRIVATE	NATIVE AMERICAN	UNKNOWN ORIGIN	ALL OWNERS
					THOUSAND BOARD FEET, SCRIBNER LOG RULE					
NORTHWEST:										
LUMBER	94,337	34,575	2,963	46,709	233,517	165,994	88,972	26,000	--	693,067
VENEER	15,259	23,126	6,051	20,673	84,868	1,525	58,341	915	--	210,758
PULP AND BOARD	--	--	--	--	538	--	20,976	--	--	21,514
SHAKE AND SHINGLE	31	180	--	--	31	--	6	1,620	1,866	3,734
EXPORT ^a	--	--	--	--	11,000	--	4,757	--	18,998	34,755
POST, POLE, AND PILING ^b	6,429	57	--	--	2,181	3,327	3,883	--	15,879	31,756
TOTAL	116,056	57,938	9,014	67,382	332,135	170,846	176,935	28,535	36,743	995,584
WEST-CENTRAL:										
LUMBER	30,947	73,431	56,378	5,800	202,249	206,593	256,887	15,193	--	847,478
VENEER	15,360	11,998	19,270	480	72,220	83,463	19,860	--	--	222,651
PULP AND BOARD	2,125	8,500	2,125	--	25,500	--	4,250	--	--	42,500
SHAKE AND SHINGLE	--	407	--	--	210	879	1,245	--	2,739	5,480
EXPORT ^a	--	--	--	--	--	--	--	--	--	--
POST, POLE, AND PILING ^b	--	--	--	--	--	--	--	--	--	--
TOTAL	48,432	94,336	77,773	6,280	300,179	290,935	282,242	15,193	2,739	1,118,109
SOUTHWEST:										
LUMBER	4,550	101,605	50,100	7,302	106,160	118,857	115,236	13,082	--	516,892
VENEER	2,163	57,817	11,627	20,267	63,196	24,418	173,022	--	--	352,510
PULP AND BOARD	--	--	--	--	--	--	--	--	--	--
EXPORT	--	--	--	--	12,066	14,675	3,409	4,107	369,043	403,300
TOTAL	6,713	159,422	61,727	27,569	181,422	157,950	291,667	17,189	369,043	1,272,702
CENTRAL:										
LUMBER	645	44,030	1,990	1,990	90,597	31,215	42,295	23,470	--	236,232
VENEER	--	28,166	--	--	33,222	15,515	30,088	--	--	106,991
PULP AND BOARD ^c	--	3,900	--	--	--	312	11,076	312	--	15,600
POST, POLE, AND PILING	--	468	--	420	--	10,092	134	--	11,114	22,228
TOTAL	645	76,564	1,990	2,410	123,819	57,134	83,593	23,782	11,114	381,051
BLUE MOUNTAIN:										
LUMBER	--	87,697	1,209	--	81,894	18,560	148,151	411	--	337,922
PULP AND BOARD ^c	--	--	--	--	--	--	--	--	--	--
TOTAL	--	87,697	1,209	--	81,894	18,560	148,151	411	--	337,922
ALL AREAS:										
LUMBER	130,479	341,338	112,640	61,801	714,417	541,219	651,541	78,156	--	2,631,591
VENEER	32,782	121,107	36,948	41,420	253,506	124,921	281,311	915	--	892,910
PULP AND BOARD	2,125	12,400	2,125	--	26,038	312	36,302	312	--	79,614
SHAKE AND SHINGLE	31	587	60	--	241	879	1,251	1,620	4,605	9,214
EXPORT	--	--	--	--	23,066	14,675	8,166	4,107	388,041	438,055
POST, POLE, AND PILING	6,429	525	--	420	2,181	13,419	4,017	--	26,993	53,984
TOTAL	171,846	475,957	151,713	103,641	1,019,449	695,425	982,588	85,110	419,639	4,105,368

^a Northwest Area and West-Central Area combined to avoid disclosure.^b Northwest Area and West-Central Area combined to avoid disclosure.^c Blue Mountain Area and Central Area combined to avoid disclosure.

Table 8--Log consumption by mills, by resource area, industry, and species, Oregon, 1994

RESOURCE AREA AND INDUSTRY	DOUGLAS-FIR	HEMLOCK	TRUE FIRS	SPRUCE	PONDEROSA PINE	LODGEPOLE PINE	WESTERN REDCEDAR	OTHER SOFTWOODS	RED ALDER	OTHER HARDWOODS	SPECIES UNKNOWN	ALL SPECIES
THOUSAND BOARD FEET, SCRIBNER LOG RULE												
NORTHWEST:												
LUMBER	480,867	172,723	17,191	1,350	5	--	7,774	1,676	10,043	1,438	--	693,067
VENEER	138,751	28,602	1,134	32,696	3,050	--	--	--	4,750	1,775	--	210,758
PULP AND BOARD	3,873	6,885	--	--	--	--	--	--	2,688	8,068	--	21,514
SHAKE AND SHINGLE	--	--	--	--	--	--	1,867	--	--	--	--	1,867
EXPORT ^a	5075	11,112	476	714	--	--	--	--	--	--	--	17,377
POST, POLE, AND PILING ^b	15,871	--	7	--	--	--	--	--	--	--	--	15,878
TOTAL	644,437	219,322	19,808	34,760	3,055	--	9,641	1,676	17,481	11,281	--	960,461
WEST-CENTRAL:												
LUMBER	721,055	81,669	14,835	387	--	--	22,421	3,116	3,995	--	--	847,478
VENEER	154,660	39,645	2,718	11,900	680	--	--	3,160	3,50	5,939	--	222,652
PULP AND BOARD	22,525	4,250	--	--	2,125	12,750	850	--	200	300	500	43,500
SHAKE AND SHINGLE	--	--	--	--	--	--	2,740	--	--	--	--	2,740
TOTAL	898,240	125,564	17,553	12,287	2,805	12,750	26,011	6,276	8,145	6,239	500	1,116,370
SOUTHWEST:												
LUMBER	262,716	58,163	36,665	2,668	80,517	4,568	20,161	47,834	3,575	25	--	516,892
VENEER	221,522	32,992	43,276	22,903	3,016	748	--	--	21,324	6,728	--	352,509
PULP AND BOARD	--	--	--	--	--	--	--	--	--	--	--	--
EXPORT	197,811	2,581	--	568	--	--	71	619	--	--	--	201,650
TOTAL	682,049	93,736	79,941	26,139	83,533	5,316	20,232	48,453	24,899	6,753	--	1,071,051
CENTRAL:												
LUMBER	8,592	8,713	22,088	13,927	173,369	7,405	--	2,140	--	--	--	236,234
VENEER	21,206	14,300	65,597	--	2,200	3,688	--	--	--	--	--	106,991
PULP AND BOARD ^c	2,850	3,954	--	276	4,200	4,320	--	--	--	--	--	15,600
POST, POLE, AND PILING	42	210	--	84	97	10,681	--	--	--	--	--	11,114
TOTAL	32,690	27,177	87,685	14,287	179,866	26,094	--	2,140	--	--	--	369,939
BLUE MOUNTAIN:												
LUMBER	69,378	821	66,407	4,988	170,599	8,433	--	17,296	--	--	--	337,922
PULP AND BOARD ^c	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	69,378	821	66,407	4,988	170,599	8,433	--	17,296	--	--	--	337,922
ALL AREAS:												
LUMBER	1,542,608	322,089	157,186	23,320	424,490	20,406	50,356	72,062	17,613	1,463	--	2,631,593
VENEER	536,139	115,539	112,725	67,499	8,946	4,436	--	3,160	30,024	14,442	--	892,910
PULP AND BOARD	29,248	15,089	--	276	6,325	17,070	850	--	2,888	8,368	500	80,614
SHAKE AND SHINGLE	--	--	--	--	--	--	4,607	--	--	--	--	4,607
EXPORT	202,886	13,693	476	1,282	--	--	71	619	--	--	--	219,027
POST, POLE, AND PILING	15,913	210	7	84	97	10,681	--	--	--	--	--	26,992
TOTAL	2,326,794	466,620	270,394	92,461	439,858	52,593	55,884	75,841	50,525	24,273	500	3,855,037

^a Northwest Area and West-Central Area combined to avoid disclosure.^b Northwest Area and West-Central Area combined to avoid disclosure.^c Blue Mountain Area and Central Area combined to avoid disclosure.

Table 9--Production and disposition of wood and bark residue by mills, by resource area, industry, and use, Oregon, 1994

RESOURCE AREA AND INDUSTRY	WOOD RESIDUE					
	USED ^a				UNUSED	ALL WOOD
	PULP AND BOARD	FUEL	MISCELLANEOUS	TOTAL		
TONS, DRY WEIGHT						
NORTHWEST:						
LUMBER	1,048,023	78,326	31,417	1,157,766	4,329	1,162,095
VENEER AND PLYWOOD	231,579	95	29,524	261,198	--	261,198
SHAKE AND SHINGLE	--	680	58	738	61	799
TOTAL	1,279,602	79,101	60,999	1,419,702	4,390	1,424,092
WEST-CENTRAL:						
LUMBER	1,207,738	224,309	63,121	1,495,168	--	1,495,168
VENEER	254,311	--	18,896	273,207	--	273,207
SHAKE AND SHINGLE	415	187	1,443	2,045	8	2,053
TOTAL	1,462,464	224,496	83,460	1,770,420	8	1,770,428
SOUTHWEST:						
LUMBER	650,747	111,743	142,516	905,006	--	905,006
VENEER	280,083	36,188	40,884	357,155	--	357,155
TOTAL	930,830	147,931	183,400	1,262,161	--	1,262,161
CENTRAL:						
LUMBER	241,903	72,033	--	313,936	--	313,936
VENEER	102,431	--	--	102,431	--	102,431
TOTAL	344,334	72,033	--	416,367	--	416,367
BLUE MOUNTAIN:						
LUMBER	465,258	29,436	3,581	498,275	--	498,275
TOTAL	465,258	29,436	3,581	498,275	--	498,275
ALL AREAS:						
LUMBER	3,613,669	515,847	240,635	4,370,151	4,329	4,374,480
VENEER	868,404	36,283	89,304	993,991	--	993,991
SHAKE AND SHINGLE	415	867	1,501	2,783	69	2,852
TOTAL	4,482,488	552,997	331,440	5,366,925	4,398	5,371,323

See footnote at end of table.

Table 9--Production and disposition of wood and bark residue by mills, by resource area, industry and use, Oregon, 1994 (continued)

RESOURCE AREA AND INDUSTRY	BARK RESIDUE						
	USED ^a				UNUSED	ALL BARK	ALL RESIDUE
	PULP AND BOARD	FUEL	MISCELLANEOUS	TOTAL			
TONS, DRY WEIGHT							
NORTHWEST:							
LUMBER	499	194,061	112,995	307,555	5,573	313,128	1,475,223
VENEER	--	84,922	--	84,922	--	84,922	346,120
SHAKE AND SHINGLE	--	288	5	293	53	346	1,145
TOTAL	499	279,271	113,000	392,770	5,626	398,396	1,822,488
WEST-CENTRAL:							
LUMBER	--	274,888	127,357	402,245	--	402,245	1,897,413
VENEER	--	88,826	--	88,826	--	88,826	362,033
SHAKE AND SHINGLE	--	612	56	668	14	682	2,735
TOTAL	--	364,326	127,413	491,739	14	491,753	2,262,181
SOUTHWEST:							
LUMBER	--	205,319	38,488	243,807	--	243,807	1,148,813
VENEER	--	116,119	--	116,119	--	116,119	473,274
TOTAL	--	321,438	38,488	359,926	--	359,926	1,622,087
CENTRAL:							
LUMBER	--	73,639	--	73,639	--	73,639	387,575
VENEER	--	37,913	--	37,913	--	37,913	140,344
TOTAL	--	111,552	--	111,552	--	111,552	527,919
BLUE MOUNTAIN:							
LUMBER	--	111,414	5,456	116,870	10	116,880	615,155
TOTAL	--	111,414	5,456	116,870	10	116,880	615,155
ALL AREAS:							
LUMBER	499	859,321	284,296	1,144,116	5,583	1,149,699	5,202,824
VENEER	--	327,780	--	327,780	--	327,780	2,199,787
SHAKE AND SHINGLE	--	900	61	961	67	1,028	7,059
TOTAL	499	1,188,001	284,357	1,472,857	5,650	1,478,507	6,849,830

^a Residues are not necessarily used in the area in which they are produced; includes residues exported from Oregon.

Table 10--Number of sawmills by resource area, county, and mill-size class, Oregon, 1994

RESOURCE AREA AND COUNTY	MILL-SIZE CLASS ^a				ALL CLASSES
	D	C	B	A	
NORTHWEST:					
CLACKAMAS	2	1	--	2	5
CLATSOP	--	--	--	1	1
COLUMBIA	2	--	--	2	4
HOOD RIVER	--	--	--	1	1
MARION	--	--	--	--	--
MULTNOMAH	--	--	--	1	1
POLK	2	--	--	2	4
TILLAMOOK	--	--	--	2	2
WASHINGTON	1	--	--	3	4
YAMHILL	1	--	--	1	2
TOTAL	8	1	--	15	24
WEST-CENTRAL:					
BENTON	--	--	1	4	5
LANE	--	--	3	10	13
LINCOLN	--	--	--	1	1
LINN	--	--	--	5	5
TOTAL	--	--	4	20	24
SOUTHWEST:					
COOS	3	--	--	2	5
CURRY	1	--	--	1	2
DOUGLAS	1	--	--	6	7
JACKSON	--	2	--	4	6
JOSEPHINE	--	--	--	1	1
TOTAL	5	2	--	14	21
CENTRAL:					
CROOK	--	--	1	1	2
DESCHUTES	1	--	--	--	1
JEFFERSON	--	--	--	1	1
KLAMATH	--	1	--	1	2
LAKE	--	--	1	1	2
TOTAL	1	1	2	4	8
BLUE MOUNTAIN:					
BAKER	--	--	--	1	1
GRANT	1	--	1	--	2
MORROW	--	--	--	1	1
UMATILLA	--	1	1	1	3
UNION	--	--	1	3	4
WALLOWA	--	--	--	1	1
TOTAL	1	1	3	7	12
ALL AREAS	15	5	9	60	89

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

Table 11--Installed 8-hour capacity of sawmills by resource area, county, and mill-size class, Oregon, 1994

RESOURCE AREA AND INDUSTRY	MILL-SIZE CLASS ^a				ALL CLASSES
	D	C	B	A	
<u>THOUSAND BOARD FEET, LUMBER TALLY</u>					
NORTHWEST:					
CLACKAMAS	13	72	--	250	335
CLATSOP	--	--	--	208	208
COLUMBIA	7	--	--	320	327
HOOD RIVER	--	--	--	250	250
MARION	--	--	--	--	--
MULTNOMAH	--	--	--	107	107
POLK	31	--	--	425	456
TILLAMOOK	--	--	--	520	520
WASHINGTON	18	--	--	536	554
YAMHILL	10	--	--	575	585
TOTAL	79	72	--	3,191	3,342
WEST-CENTRAL:					
BENTON	--	--	100	1,100	1,200
LANE	--	--	269	2,352	2,621
LINCOLN	--	--	--	180	180
LINN	--	--	--	763	763
TOTAL	--	--	300	4,365	4,665
SOUTHWEST:					
COOS	41	--	--	495	536
CURRY	3	--	--	160	163
DOUGLAS	18	--	--	1,003	1,021
JACKSON	--	131	--	900	1,031
JOSEPHINE	--	--	--	280	280
TOTAL	62	131	--	2,838	3,031
CENTRAL:					
CROOK	--	--	90	198	288
DESCHUTES	25	--	--	--	25
JEFFERSON	--	--	--	160	160
KLAMATH	--	75	--	160	235
LAKE	--	--	100	140	240
TOTAL	25	75	190	658	948
BLUE MOUNTAIN:					
BAKER	--	--	--	135	135
GRANT	18	--	89	--	107
MORROW	--	--	--	280	280
UMATILLA	--	70	110	124	304
UNION	--	--	80	648	728
WALLOWA	--	--	--	130	130
TOTAL	18	70	279	1,317	1,684
ALL AREAS	184	348	769	12,369	13,670

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift;
C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

Table 12--Number of sawmills by resource area, mill-size class, and type of headrig, Oregon, 1994

RESOURCE AREAS AND MILL-SIZE CLASS ^a	BAND SAW	GANG SAW	OTHER SAW
NORTHWEST:			
D	--	--	8
C	1	--	--
B	--	--	--
A	14	--	6
TOTAL	15	--	14
WEST-CENTRAL:			
D	--	--	--
C	--	--	--
B	4	--	--
A	18	2	2
TOTAL	22	2	2
SOUTHWEST:			
D	3	--	2
C	2	--	--
B	--	--	--
A	11	1	6
TOTAL	16	1	8
CENTRAL:			
D	--	--	1
C	1	--	--
B	2	--	--
A	4	2	1
TOTAL	7	2	2
BLUE MOUNTAIN:			
D	--	--	1
C	1	--	--
B	3	--	--
A	7	--	1
TOTAL	11	--	2
ALL AREAS:			
D	3	--	12
C	5	--	--
B	9	--	--
A	54	5	16
TOTAL	71	5	28

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift;
C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

Table 13--Average number of operating days per year and average number of shifts per day by sawmills, by resource area and mill-size class, Oregon, 1994

RESOURCE AREA	MILL-SIZE CLASS ^a			
	D	C	B	A
<u>AVERAGE DAYS PER YEAR</u>				
NORTHWEST	159	215	--	230
WEST-CENTRAL	--	--5268	230	250
SOUTHWEST	211	265	--	254
CENTRAL	8	245	252	250
BLUE MOUNTAIN	195	227	174	240
<u>AVERAGE SHIFTS PER DAY</u>				
NORTHWEST	1.00	1.00	--	1.80
WEST-CENTRAL	--	--	1.25	1.55
SOUTHWEST	1.20	2.50	--	1.36
CENTRAL	1.00	2.00	1.50	1.75
BLUE MOUNTAIN	1.00	1.00	1.33	1.57

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift;
C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

Table 14--Wood consumption by sawmills, by resource area, mill-size class, and type of material, Oregon, 1994

RESOURCE AREAS AND MILL-SIZE CLASS ^a	ROUNDWOOD	OTHER WOOD	ALL WOOD
THOUSAND BOARD FEET, SCRIBNER LOG RULE			
NORTHWEST: C AND D ^b	13,954	--	13,954
A	679,112	2,000	681,112
TOTAL	693,066	2,000	695,066
WEST-CENTRAL:			
B	62,334	--	62,334
A	785,144	200	785,344
TOTAL	847,478	200	847,678
SOUTHWEST: C AND D ^b	80,489	--	80,489
A	436,403	18,057	454,460
TOTAL	516,892	18,057	534,949
CENTRAL: B, C AND D ^b	76,232	--	76,232
A	160,001	--	160,001
TOTAL	236,233	--	236,233
BLUE MOUNTAIN: B, C, AND D ^b	61,288	--	61,288
A	276,634	--	276,634
TOTAL	337,922	--	337,922
ALL AREAS: D	--	--	--
C	94,443	--	94,443
B	199,854	--	199,854
A	2,337,294	20,257	2,357,551
TOTAL	2,631,591	20,257	2,651,848

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift;
C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

^b Combined to avoid disclosure.

Table 15--Log consumption by sawmills, by resource area, mill-size class, and age group of timber, Oregon, 1994

RESOURCE AREA AND MILL-SIZE CLASS ^a	<10	11-20	21+	ALL AGE GROUPS
THOUSAND BOARD FEET, SCRIBNER LOG RULE				
NORTHWEST: C AND D ^b	3,196	8,570	2,188	13,954
A	<u>184,362</u>	<u>400,895</u>	<u>93,855</u>	<u>679,112</u>
TOTAL	152,228	601,777	96,043	693,066
WEST-CENTRAL: B	--	46,600	15,734	62,334
A	<u>258,312</u>	<u>391,014</u>	<u>135,818</u>	<u>785,144</u>
TOTAL	258,312	437,614	151,552	847,478
SOUTHWEST: C AND D ^b	12,918	41,410	26,161	80,489
A	<u>173,365</u>	<u>211,392</u>	<u>51,646</u>	<u>436,403</u>
TOTAL	186,283	252,802	77,807	516,892
CENTRAL: B, C AND D ^b	16,047	38,056	22,129	76,232
A	<u>55,949</u>	<u>90,877</u>	<u>13,175</u>	<u>160,001</u>
TOTAL	71,996	128,933	35,304	236,233
BLUE MOUNTAIN: B, C, AND D ^b	22,250	23,980	15,058	61,288
A	<u>108,610</u>	<u>131,274</u>	<u>36,750</u>	<u>276,634</u>
TOTAL	130,860	155,254	51,808	337,922
ALL AREAS: D	--	--	--	--
C	16,114	49,980	28,349	94,443
B	38,297	108,636	52,921	199,854
A	<u>780,598</u>	<u>1,225,452</u>	<u>331,244</u>	<u>2,337,294</u>
TOTAL	835,009	1,384,068	412,514	2,631,591

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

^b Combined to avoid disclosure.

Table 16--Log consumption by sawmills, by resource area, county of use, and age group of timber, Oregon, 1994

RESOURCE AREA AND COUNTY OF USE	DIAMETER CLASSES (INCHES)			ALL GROUPS
	<10	10-20	21+	
<u>THOUSAND BOARD FEET, SCRIBNER LOG RULE</u>				
NORTHWEST:				
CLACKAMAS, HOOD RIVER, AND MULTNOMAH ^a	26,077	82,227	20,980	129,284
CLATSOP, COLUMBIA, AND TILLAMOOK ^a	64,834	149,912	29,342	244,088
POLK	14,132	39,410	7,480	61,022
WASHINGTON AND YAMHILL	82,515	137,916	38,241	258,672
TOTAL	187,558	409,465	96,043	693,066
WEST-CENTRAL:				
BENTON AND LINCOLN ^a	53,811	99,000	17,644	170,455
LANE	141,409	265,440	106,878	513,727
LINN	63,092	73,174	27,030	163,296
TOTAL	258,312	437,614	151,552	847,478
SOUTHWEST:				
COOS AND CURRY ^a	13,358	76,455	35,195	125,008
DOUGLAS AND JOSEPHINE ^a	102,379	96,901	19,164	218,444
JACKSON	70,546	79,446	23,448	173,440
TOTAL	186,283	252,802	77,807	516,892
CENTRAL:				
CROOK , DESCHUTES, AND JEFFERSON ^a	42,630	59,045	14,131	115,806
KLAMATH AND LAKE ^a	29,366	69,889	21,173	120,428
TOTAL	71,996	128,934	35,304	236,234
BLUE MOUNTAIN:				
BAKER AND GRANT ^a	25,281	39,659	19,814	84,754
MORROW AND UMATILLA ^a	29,288	44,195	18,647	92,130
UNION AND WALLOWA ^a	76,292	71,399	13,347	161,038
TOTAL	130,861	155,253	51,808	337,922
ALL AREAS	835,010	1,384,068	412,514	2,631,592

^a Combined to avoid disclosure.

Table 17--Log consumption by sawmills, by resource area, mill-size class, and owner, Oregon, 1994

RESOURCE AREAS AND MILL-SIZE CLASS ^a	STATE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY		OTHER PRIVATE	NATIVE AMERICAN	ALL OWNERS
					OWN WOOD SUPPLY	OTHER WOOD SUPPLY			
THOUSAND BOARD FEET, SCRIBNER LOG RULE									
NORTHWEST: C AND D ^b	352	352	--	--	6,374	760	6,117	--	13,955
A	93,985	34,223	2,963	46,709	227,143	165,234	82,855	26,000	679,112
TOTAL	94,337	34,575	2,963	46,709	233,517	165,994	88,972	26,000	693,067
WEST-CENTRAL: B	2,100	6,622	525	--	6,825	3,245	43,017	--	62,334
A	28,847	66,809	55,853	5,800	195,424	203,348	213,870	15,193	785,144
TOTAL	30,947	73,431	56,378	5,800	202,249	206,593	256,887	15,193	847,478
SOUTHWEST: C AND D ^b	1,330	10,820	2,852	276	6,083	7,396	51,731	--	80,488
A	3,220	90,785	47,248	7,025	100,077	111,460	63,505	13,082	436,402
TOTAL	4,550	101,605	50,100	7,301	106,160	118,856	115,236	13,082	516,890
CENTRAL: B, C, AND D ^b	--	23,742	--	--	12,405	16,094	23,991	--	76,232
A	645	20,288	1,990	1,990	78,192	15,121	18,304	23,470	160,000
TOTAL	645	44,030	1,990	1,990	90,597	31,215	42,295	23,470	236,232
BLUE MOUNTAIN: B, C AND D ^b	--	17,892	742	--	371	--	42,284	--	61,289
A	--	69,806	467	--	81,523	18,560	105,868	411	276,635
TOTAL	--	87,698	1,209	--	81,894	18,560	148,152	411	337,924
ALL AREAS: D	--	--	--	--	--	--	--	--	--
C	1,682	11,172	2,852	276	12,457	8,156	57,848	--	94,443
B	2,100	48,256	1,267	--	19,601	19,339	109,292	--	
	199,855								
A	126,697	281,911	108,521	61,524	682,359	513,723	484,402	78,156	2,337,293
TOTAL	130,479	341,339	112,640	61,800	714,417	541,218	651,542	78,156	2,631,591

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

^b Combined to avoid disclosure.

Table 18--Log consumption by sawmills, by resource area, county of use, and owner, Oregon, 1994

RESOURCE AREA AND COUNTY OF USE	STATE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY		OTHER PRIVATE	NATIVE AMERICAN	ALL OWNERS
					OWN WOOD SUPPLY	OTHER WOOD SUPPLY			
THOUSAND BOARD FEET, SCRIBNER LOG RULE									
NORTHWEST:									
CLACKAMAS, HOOD RIVER, AND MULTNOMAH ^a	7,652	19,452	--	24,750	9,317	42,800	8,914	16,400	129,285
CLATSOP, COLUMBIA, AND TILLAMOOK ^a	35,015	3,049	--	3,800	63,283	82,474	56,467	--	244,088
POLK	1,400	7,000	933	--	39,498	--	9,191	3,000	61,022
WASHINGTON AND YAMHILL ^a	50,270	5,075	2,030	18,159	121,419	40,720	14,400	6,600	258,673
TOTAL	94,337	34,576	2,963	46,709	233,517	165,994	88,972	26,000	693,068
WEST-CENTRAL:									
BENTON AND LINCOLN ^a	6,000	--	--	--	27,857	72,401	49,804	14,394	170,456
LANE	17,757	52,072	41,123	--	130,052	95,825	176,099	799	513,727
LINN	7,190	21,360	15,255	5,800	44,340	38,367	30,984	--	163,296
TOTAL	30,947	73,432	56,378	5,800	202,249	206,593	256,887	15,193	847,479
SOUTHWEST:									
COOS AND CURRY ^a	1,391	3,678	300	5,565	76,680	25,620	11,773	--	125,007
DOUGLAS AND JOSEPHINE ^a	2,203	35,227	29,715	1,460	16,941	83,522	36,295	13,082	218,445
JACKSON	956	62,701	20,085	176	12,539	9,715	67,168	--	173,440
TOTAL	4,550	101,606	50,100	7,301	106,160	118,857	115,236	13,082	516,892
CENTRAL:									
CROOK, DESCHUTES, AND JEFFERSON ^a	--	33,431	1,990	1,990	27,922	9,990	17,011	23,470	115,804
KLAMATH AND LAKE ^a	645	10,599	--	--	62,674	21,225	25,284	--	120,427
TOTAL	645	44,030	1,990	1,990	90,596	31,215	42,295	23,470	236,231
BLUE MOUNTAIN:									
BAKER AND GRANT ^a	--	48,060	1,209	--	371	--	35,115	--	84,755
MORROW AND UMATILLA ^a	--	3,833	--	--	53,186	6,000	28,701	411	92,131
UNION AND WALLOWA ^a	--	35,804	--	--	28,337	12,560	84,336	--	161,037
TOTAL	--	87,697	1,209	--	81,894	18,560	148,152	411	337,923
ALL AREAS	130,479	341,341	112,640	61,800	714,416	541,219	651,542	78,156	2,631,593

^a Combined to avoid disclosure.

Table 19--Dependency (by percentage) of sawmills on timber by resource area, mill-size class, and owner, Oregon, 1994

RESOURCE AREA AND MILL-SIZE CLASS ^a	NATIONAL FOREST				STATE				BUREAU OF LAND MANAGEMENT				OTHER PUBLIC			
	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%
<u>NUMBER OF MILLS</u>																
NORTHWEST:																
D	8	--	--	--	8	--	--	--	8	--	--	--	8	--	--	--
C	--	1	--	--	--	1	--	--	1	--	--	--	1	--	--	--
B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A	7	6	1	1	2	11	2	--	12	3	--	--	8	6	--	1
TOTAL	15	7	1	1	10	12	2	--	21	3	--	--	17	6	--	1
WEST-CENTRAL:																
D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B	2	1	1	--	3	1	--	--	3	1	--	--	4	--	--	--
A	8	10	2	--	10	10	--	--	10	10	--	--	18	2	--	--
TOTAL	10	11	3	--	13	11	--	--	13	11	--	--	22	2	--	--
SOUTHWEST:																
D	3	1	1	--	4	1	--	--	3	2	--	--	5	--	--	--
C	--	2	--	--	1	1	--	--	1	1	--	--	1	1	--	--
B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A	3	7	3	1	11	3	--	--	7	6	1	--	12	2	--	--
TOTAL	6	10	4	1	16	5	--	--	11	9	1	--	18	3	--	--
CENTRAL:																
D	--	--	1	--	1	--	--	--	1	--	--	--	1	--	--	--
C	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
B	--	1	1	--	2	--	--	--	2	--	--	--	2	--	--	--
A	--	4	--	--	3	1	--	--	3	1	--	--	3	1	--	--
TOTAL	1	5	2	--	5	1	--	--	7	1	--	--	7	1	--	--
BLUE MOUNTAIN:																
D	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
C	--	1	--	--	1	--	--	--	1	--	--	--	1	--	--	--
B	1	1	1	--	3	--	--	--	2	1	--	--	3	--	--	--
A	2	4	--	1	7	--	--	--	6	1	--	--	7	--	--	--
TOTAL	4	6	1	1	12	--	--	--	10	2	--	--	12	--	--	--
ALL AREAS:																
D	12	1	2	--	14	1	--	--	13	2	--	--	15	--	--	--
C	1	4	--	--	3	2	--	--	4	1	--	--	4	1	--	--
B	3	3	3	--	8	1	--	--	7	2	--	--	9	--	--	--
A	20	31	6	3	33	25	2	--	38	21	1	--	48	11	--	1
TOTAL	36	39	11	3	58	29	2	--	62	26	1	--	76	12	--	1

^aSee footnote at end of table.

Table 19—Dependency (by percentage) of sawmills on timber by resource area, mill-size class, and owner, Oregon, 1994 (continued)

RESOURCE AREA AND MILL-SIZE CLASS ^a	FOREST INDUSTRY															
	OWN WOOD SUPPLY				OTHER WOOD SUPPLY				OTHER PRIVATE				NATIVE AMERICAN			
	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%
	NUMBER OF MILLS															
NORTHWEST:																
D	4	1	1	2	5	1	--	2	3	1	2	2	8	--	--	--
C	--	--	1	--	1	--	--	--	--	--	1	--	1	--	--	--
B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A	6	3	3	3	8	3	3	1	6	6	2	1	12	--	--	3
TOTAL	10	4	5	5	14	4	3	3	9	7	5	3	21	--	--	3
WEST-CENTRAL:																
D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B	3	--	1	--	3	--	1	--	--	2	--	2	4	--	--	--
A	7	7	4	2	4	8	4	4	2	15	1	2	17	--	--	3
TOTAL	10	7	5	2	7	8	5	4	2	17	1	4	21	--	--	3
SOUTHWEST:																
D	3	1	1	--	3	1	--	1	--	3	--	2	5	--	--	--
C	--	2	--	--	2	--	--	--	--	--	--	2	2	--	--	--
B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A	5	5	3	1	4	6	3	1	3	8	2	1	12	--	--	2
TOTAL	8	8	4	1	9	7	3	2	3	11	2	5	19	--	--	2
CENTRAL:																
D	1	--	--	--	1	--	--	--	--	--	1	--	1	--	--	--
C	1	--	--	--	1	--	--	--	--	--	--	1	1	--	--	--
B	--	2	--	--	--	1	1	--	1	1	--	--	2	--	--	--
A	1	1	1	1	2	1	--	1	1	3	--	--	2	--	--	2
TOTAL	3	3	1	1	4	2	1	1	2	4	1	1	6	--	--	2
BLUE MOUNTAIN:																
D	1	--	--	--	1	--	--	--	--	--	--	1	1	--	--	--
C	1	--	--	--	1	--	--	--	--	--	--	1	1	--	--	--
B	2	1	--	--	3	--	--	--	--	--	1	2	3	--	--	--
A	3	2	1	1	3	4	--	--	--	3	2	2	6	--	--	1
TOTAL	7	3	1	1	8	4	--	--	--	3	3	6	11	--	--	1
ALL AREAS:																
D	9	2	2	2	10	2	--	3	3	4	3	5	15	--	--	--
C	2	2	1	--	5	--	--	--	--	--	1	4	5	--	--	--
B	5	3	1	--	6	1	2	--	1	3	1	4	9	--	--	--
A	22	18	12	8	21	22	10	7	12	35	7	6	49	--	--	11
TOTAL	38	25	16	10	42	25	12	10	16	42	12	19	78	--	--	11

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

Table 20--Log consumption by sawmills, by resource area, mill-size class, and species, Oregon, 1994

RESOURCE AREA AND MILL-SIZE CLASS ^a	DOUGLAS-FIR	HEMLOCK	TRUE FIRS	SPRUCE	PONDEROSA PINE	LODGEPOLE PINE	WESTERN REDCEDAR	OTHER SOFTWOODS	RED ALDER	OTHER HARDWOODS	ALL SPECIES
THOUSAND BOARD FEET, SCRIBNER LOG RULE											
NORTHWEST: C AND D ^b	1,058	6	31	--	5	--	7,774	--	3,643	1,438	13,955
A	479,809	172,717	17,160	1,350	--	--	--	1,676	6,400	--	679,112
TOTAL	480,867	172,723	17,191	1,350	5	--	7,774	1,676	10,043	1,438	693,067
WEST-CENTRAL: B	57,137	5,197	--	--	--	--	--	--	--	--	62,334
A	663,918	76,472	14,835	387	--	--	22,421	3,116	3,995	--	785,144
TOTAL	721,055	81,669	14,835	387	--	--	22,421	3,116	3,995	--	847,478
SOUTHWEST: C AND D ^b	16,051	--	--	--	43,976	--	--	17,562	2,875	25	80,489
A	246,665	58,163	36,665	2,668	36,541	4,568	20,161	30,272	700	--	436,403
TOTAL	262,716	58,163	36,665	2,668	80,517	4,568	20,161	47,834	3,575	25	516,892
CENTRAL: B, C AND D ^b	--	--	7,768	--	66,364	955	--	1,145	--	--	76,232
A	8,592	8,713	14,320	13,927	107,005	6,450	--	995	--	--	161,002
TOTAL	8,592	8,713	22,088	13,927	173,369	7,405	--	2,140	--	--	237,234
BLUE MOUNTAIN: B, C, AND D ^b	11,074	--	8,363	441	40,831	580	--	--	--	--	61,289
A	58,305	821	58,044	4,547	129,768	7,853	--	17,296	--	--	276,634
TOTAL	69,379	821	66,407	4,988	170,599	8,433	--	17,296	--	--	337,923
ALL AREAS: D	--	--	--	--	--	--	--	--	--	--	--
C	17,109	6	31	--	43,981	--	7,774	17,562	6,518	1,463	94,444
B	68,211	5,197	16,131	441	107,195	1,535	--	1,145	--	--	199,855
A	1,457,289	316,886	141,024	22,879	273,314	18,871	42,582	53,355	11,095	--	2,337,295
TOTAL	1,542,609	322,089	157,186	23,320	424,490	20,406	50,356	72,062	17,613	1,463	2,631,594

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

^b Combined to avoid disclosure.

Table 21--Log consumption by sawmills, by resource area, county of use, and species, Oregon, 1994

RESOURCE AREA AND COUNTY OF USE	DOUGLAS-FIR	HEMLOCK	TRUE FIRS	SPRUCE	PONDEROSA PINE	LODGEPOLE PINE	WESTERN REDCEDAR	OTHER SOFTWOODS	RED ALDER	OTHER HARDWOODS	ALL SPECIES
THOUSAND BOARD FEET, SCRIBNER LOG RULE											
NORTHWEST:											
CLACKAMAS, HOOD RIVER, AND MULTNOMAH ^a	79,138	26,000	15,025	1,350	5	--	7,654	--	--	113	129,285
CLATSOP, COLUMBIA, AND TILLAMOOK ^a	117,428	118,704	--	--	--	--	120	1,436	6,400	--	244,088
POLK	56,654	--	--	--	--	--	--	--	3,643	725	373,373
WASHINGTON AND YAMHILL	227,647	28,019	2,166	--	--	--	--	240	--	600	258,672
TOTAL	480,867	172,723	17,191	1,350	5	--	7,774	1,676	10,043	1,438	693,067
WEST-CENTRAL:											
BENTON AND LINCOLN ^a	121,201	22,547	12,592	--	--	--	13,200	916	--	--	170,456
LANE	473,145	22,698	2,243	387	--	--	9,058	2,200	3,995	--	513,726
LINN	126,709	36,423	--	--	--	--	163	--	--	--	684,182
TOTAL	721,055	81,668	14,835	387	--	--	22,421	3,116	3,995	--	847,477
SOUTHWEST:											
COOS AND CURRY ^a	119,792	566	--	850	--	--	--	900	2,875	25	125,008
DOUGLAS AND JOSEPHINE ^a	116,889	32,730	8,182	1,818	11,200	455	19,519	26,951	700	--	218,444
JACKSON	26,035	24,866	28,483	--	69,317	4,113	642	19,983	--	--	343,452
TOTAL	262,716	58,162	36,665	2,668	80,517	4,568	20,161	47,834	3,575	25	516,891
CENTRAL:											
CROOK, DESCHUTES, AND JEFFERSON ^a	8,592	3,938	19,120	--	83,316	820	--	20	--	--	115,806
KLAMATH AND LAKE ^a	--	4,775	2,968	13,927	90,053	6,585	--	2,120	--	--	7120,428
TOTAL	8,592	8,713	22,088	13,927	173,369	7,405	--	2,140	--	--	236,234
BLUE MOUNTAIN:											
BAKER AND GRANT ^a	13,563	--	8,398	467	59,994	933	--	1,400	--	--	84,755
MORROW AND UMATILLA ^a	25,813	821	10,410	123	54,384	580	--	--	--	--	92,131
UNION AND WALLOWA ^a	30,003	--	47,600	4,398	56,221	6,920	--	15,896	--	--	176,886
TOTAL	69,379	821	66,408	4,988	170,599	8,433	--	17,296	--	--	337,924
ALL AREAS	1,542,609	322,087	157,187	23,320	424,490	20,406	50,356	72,062	17,613	1,463	2,631,593

^a Combined to avoid disclosure.

Table 22--Production and disposition of wood and bark residue by sawmills, by resource area and mill-size class, Oregon, 1994

RESOURCE AREAS AND MILL-SIZE CLASS ^a	WOOD RESIDUE			BARK RESIDUE			ALL RESIDUE		
	USED ^b	UNUSED	TOTAL	USED ^b	UNUSED	TOTAL	USED ^b	UNUSED	TOTAL
TONS, DRY WEIGHT									
NORTHWEST: C AND D ^c	22,911	--	22,911	6,636	--	6,636	29,547	--	29,547
A	1,134,855	4,328	1,139,183	300,919	5,573	306,492	1,435,774	9,901	1,445,675
TOTAL	1,157,766	4,328	1,162,094	307,555	5,573	313,128	1,465,321	9,901	1,475,222
WEST-CENTRAL: B	110,937	--	110,937	29,845	--	29,845	140,782	--	140,782
A	1,384,231	--	1,384,231	372,400	--	372,400	1,756,631	--	1,756,631
TOTAL	1,495,168	--	1,495,168	402,245	--	402,245	1,897,413	--	1,897,413
SOUTHWEST: C AND D ^c	107,634	--	107,634	29,117	--	29,117	136,751	--	136,751
A	797,372	--	797,372	214,690	--	214,690	1,012,062	--	1,012,062
TOTAL	905,006	--	905,006	243,807	--	243,807	1,148,813	--	1,148,813
CENTRAL: B, C, AND D ^c	92,517	--	92,517	21,701	--	21,701	114,218	--	114,218
A	221,419	--	221,419	51,938	--	51,938	273,357	--	273,357
TOTAL	313,936	--	313,936	73,639	--	73,639	387,575	--	387,575
BLUE MOUNTAIN: B, C, AND D ^c	77,063	--	77,063	18,067	10	18,077	95,130	10	95,140
A	421,212	--	421,212	98,803	--	98,803	520,015	--	520,015
TOTAL	498,275	--	498,275	116,870	10	116,880	615,145	10	615,155
ALL AREAS: D	--	--	--	--	--	--	--	--	--
C	130,545	--	130,545	35,753	--	35,753	166,298	--	166,298
B	280,517	--	280,517	69,613	10	69,623	350,130	10	350,220
A	3,959,089	4,328	3,963,417	1,038,750	5,573	1,044,323	4,997,839	9,901	4,564,300
TOTAL	4,370,151	4,328	4,374,479	1,144,116	5,583	1,149,699	5,514,267	9,911	5,524,178

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

^b Residues are not necessarily used in the area in which they are produced.

^c Combined to avoid disclosure.

Table 23--Production and disposition of wood residue by sawmills, by resource area, mill-size class, type of residue, and use, Oregon, 1994

RESOURCE AREA AND MILL-SIZE CLASS ^a	USED ^c					UNUSED	TOTAL
	PULP	BOARD	FUEL	MISCELLANEOUS	TOTAL		
<u>TONS, DRY WEIGHT</u>							
NORTHWEST: C AND D ^c	5,951	--	13,647	3,312	22,910	1	22,911
A	1,005,822	66,557	44,617	16,563	1,133,559	5,624	1,139,183
TOTAL	1,011,773	66,557	58,264	19,875	1,156,469	5,625	1,162,094
WEST-CENTRAL: B	45,882	7,239	57,540	276	110,937	--	110,937
A	1,023,974	144,493	159,286	56,478	1,384,231	--	1,384,231
TOTAL	1,069,856	151,732	216,826	56,754	1,495,168	--	1,495,168
SOUTHWEST: C AND D ^c	67,908	19,187	19,740	800	107,635	--	107,635
A	483,341	92,086	69,995	151,950	797,372	--	797,372
TOTAL	551,249	111,273	89,735	152,750	905,007	--	905,007
CENTRAL: B, C, AND D ^c	54,503	29,711	8,303	--	92,517	--	92,517
A	101,808	44,285	75,325	--	221,418	--	221,418
TOTAL	156,311	73,996	83,628	--	313,935	--	313,935
BLUE MOUNTAIN: B, C, AND D ^c	33,012	36,299	7,722	30	77,063	--	77,063
A	359,949	40,693	20,570	--	421,212	--	421,212
TOTAL	392,961	76,992	28,292	30	498,275	--	498,275
ALL AREAS: D	--	--	--	--	--	--	--
C	73,859	19,187	33,387	4,112	130,545	1	130,546
B	133,397	73,249	73,565	306	280,517	--	280,517
A	2,974,894	388,114	369,793	224,991	3,957,792	5,624	3,963,416
TOTAL	3,182,150	480,550	476,745	229,409	4,368,854	5,625	4,374,479

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

^b Residues are not necessarily used in the area in which they are produced.

^c Combined to avoid disclosure.

Table 24--Production and disposition of bark residue by sawmills, by resource area, mill-size class, and use, Oregon, 1994

RESOURCE AREA AND MILL-SIZE CLASS ^a	USED ^b					UNUSED	ALL BARK
	PULP	BOARD	FUEL	MISCELLANEOUS	TOTAL		
TONS, DRY WEIGHT							
NORTHWEST:							
C AND D ^c	499	--	3,781	2,356	6,636	--	6,636
A	--	--	190,280	110,639	300,919	5,573	306,492
TOTAL	499	--	194,061	112,995	307,555	5,573	313,128
WEST-CENTRAL:							
B	--	--	29,845	--	29,845	--	29,845
A	--	--	245,043	127,357	372,400	--	372,400
TOTAL	--	--	274,888	127,357	402,245	--	402,245
SOUTHWEST:							
C AND D ^c	--	--	27,265	1,852	29,117	--	29,117
A	--	--	178,054	36,636	214,690	--	214,690
TOTAL	--	--	205,319	38,488	243,807	--	243,807
CENTRAL:							
B, C, AND D ^c	--	--	21,701	--	21,701	--	21,701
A	--	--	51,938	--	51,938	--	51,938
TOTAL	--	--	73,639	--	73,639	--	73,639
BLUE MOUNTAIN:							
B, C AND D ^c	--	--	18,067	--	18,067	--	18,067
A	--	--	93,347	5,456	98,803	--	98,803
TOTAL	--	--	111,414	5,456	116,870	--	116,870
ALL AREAS:							
D	--	--	--	--	--	--	--
C	499	--	31,046	4,208	35,753	--	35,753
B	--	--	69,613	--	69,613	--	69,623
A	--	--	758,662	280,088	1,038,750	5,573	1,044,323
TOTAL	499	--	859,321	284,296	1,144,116	5,573	1,149,699

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

^b Residues are not necessarily used in the area in which they are produced.

^c Combined to avoid disclosure.

Table 25--Production and disposition of wood and bark residue by sawmills, by resource area and county, Oregon, 1994

RESOURCE AREA AND COUNTY	WOOD RESIDUE			BARK RESIDUE			ALL RESIDUE		
	USED ^a	UNUSED	TOTAL	USED ^a	UNUSED	TOTAL	USED ^a	UNUSED	TOTAL
<u>TONS, DRY WEIGHT</u>									
NORTHWEST:									
CLACKAMAS, HOOD RIVER, AND MULTNOMAH ^b	199,150	--	199,150	53,637	--	53,637	252,787	--	252,787
CLATSOP, COLUMBIA, AND TILLAMOOK ^b	400,497	--	400,497	107,763	--	107,763	508,260	--	508,260
POLK	108,662	--	108,662	29,607	--	29,607	138,269	--	138,269
WASHINGTON AND YAMHILL ^b	449,456	4,328	453,784	116,549	5,573	122,122	566,005	9,901	575,906
TOTAL	1,157,765	4,328	1,162,093	307,556	5,573	313,129	1,465,321	9,901	1,475,222
WEST-CENTRAL:									
BENTON AND LINCOLN ^b	343,095	--	343,095	92,303	--	92,303	435,398	--	435,398
LANE	907,193	--	907,193	244,062	--	244,062	1,151,255	--	1,151,255
LINN	244,881	--	244,881	65,880	--	65,880	310,761	--	310,761
TOTAL	1,495,169	--	1,495,169	402,245	--	402,245	1,897,414	--	1,897,414
SOUTHWEST:									
COOS AND CURRY ^b	182,216	--	182,216	49,181	--	49,181	231,397	--	231,397
DOUGLAS AND JOSEPHINE ^b	404,694	--	404,694	109,047	--	109,047	513,741	--	513,741
JACKSON	318,096	--	318,096	85,578	--	85,578	403,674	--	403,674
TOTAL	905,006	--	905,006	243,806	--	243,806	1,148,812	--	1,148,812
CENTRAL:									
CROOK, DESCHUTES, AND JEFFERSON ^b	152,171	--	152,171	35,695	--	35,695	187,866	--	187,866
KLAMATH AND LAKE ^b	161,764	--	161,764	37,945	--	37,945	199,709	--	199,709
TOTAL	313,935	--	313,935	73,640	--	73,640	387,575	--	387,575
BLUE MOUNTAIN:									
BAKER AND GRANT ^b	102,896	--	102,896	24,136	--	24,136	127,032	--	127,032
MORROW AND UMATILLA ^b	143,811	--	143,811	33,734	--	33,734	177,545	--	177,545
UNION AND WALLOWA ^b	251,568	--	251,568	59,000	10	59,010	310,568	10	310,578
TOTAL	498,275	--	498,275	116,870	--	116,880	615,145	10	615,155
ALL AREAS	4,370,150	4,328	4,374,478	1,144,117	5,583	1,149,700	5,514,268	9,911	5,524,178

^a Residues are not necessarily used in the area or county in which they are produced.^b Combined to avoid disclosure.

Table 26--Production and disposition of wood residue by sawmills, by resource area, county, type of residue, and use, Oregon, 1994

RESOURCE AREA AND COUNTY	USED ^a					UNUSED	TOTAL
	PULP	BOARD	FUEL	MISCELLANEOUS	TOTAL		
<u>TONS, DRY WEIGHT</u>							
NORTHWEST:							
CLACKAMAS, HOOD RIVER, AND MULTNOMAH ^b	112,352	37,981	23,774	25,044	199,151	--	199,151
CLATSOP, COLUMBIA, AND TILLAMOOK ^b	310,496	46,127	41,571	2,304	400,498	1	400,499
POLK	63,625	29,873	12,982	2,183	108,663	--	108,663
WASHINGTON AND YAMHILL	367,910	79,661	--	1,886	449,457	4,328	453,785
TOTAL	854,383	193,642	78,327	31,417	1,157,769	4,329	1,162,098
WEST-CENTRAL:							
BENTON AND LINCOLN ^b	182,847	104,253	43,262	12,733	343,095	--	343,095
LANE	436,002	259,099	161,704	50,388	907,193	--	907,193
LINN	176,862	48,676	19,343	--	244,881	--	244,881
TOTAL	795,711	412,028	224,309	63,121	1,495,169	--	1,495,169
SOUTHWEST:							
COOS AND CURRY ^b	77,134	18,201	45,573	41,308	182,216	--	182,216
DOUGLAS AND JOSEPHINE ^b	180,564	138,159	9,730	76,241	404,694	--	404,694
JACKSON	133,401	103,287	56,440	24,968	318,096	--	318,096
TOTAL	391,099	259,647	111,743	142,517	905,006	--	905,006
CENTRAL:							
CROOK, DESCHUTES AND JEFFERSON ^b	80,679	62,760	8,732	--	152,171	--	152,171
KLAMATH AND LAKE ^b	33,243	65,221	63,301	--	161,765	--	161,765
TOTAL	113,922	127,981	72,033	--	313,936	--	313,936
BLUE MOUNTAIN:							
BAKER AND GRANT ^b	32,575	47,024	23,296	--	102,895	--	102,895
MORROW AND UMATILLA ^b	85,584	52,789	5,438	--	143,811	--	143,811
UNION AND WALLOWA ^b	184,983	62,303	701	3,581	251,568	--	251,568
TOTAL	303,142	162,116	29,435	3,581	498,274	--	498,274
ALL AREAS	2,458,257	1,155,414	515,847	240,636	4,370,154	4,329	4,374,483

^a Residues are not necessarily used in the area or county in which they are produced.

^b Combined to avoid disclosure.

Table 27--Production and disposition of bark residue by sawmills, by resource area, county, and use, Oregon, 1994

RESOURCE AREA AND COUNTY	USED ^a					UNUSED	ALL BARK
	PULP	BOARD	FUEL	MISCELLANEOUS	TOTAL		
<u>TONS, DRY WEIGHT</u>							
NORTHWEST:							
CLACKAMAS, HOOD RIVER, AND MULTNOMAH ^b	--	--	18,732	34,905	53,637	--	53,607
CLATSOP, COLUMBIA, AND TILLAMOOK ^b	--	--	93,435	14,328	107,763	--	107,763
POLK	499	--	27,400	1,708	29,607	--	29,607
WASHINGTON AND YAMHILL ^b	--	--	54,495	62,055	116,550	5,573	122,123
TOTAL	499	--	194,062	112,996	307,557	5,573	313,130
WEST-CENTRAL:							
BENTON AND LINCOLN ^b	--	--	71,599	20,704	92,303	--	92,303
LANE	--	--	157,843	86,219	244,062	--	244,062
LINN	--	--	45,447	20,434	65,881	--	65,881
TOTAL	--	--	274,889	127,357	402,245	--	402,246
SOUTHWEST:							
COOS AND CURRY ^b	--	--	49,136	46	49,182	--	49,182
DOUGLAS AND JOSEPHINE ^b	--	--	107,241	1,806	109,047	--	109,047
JACKSON	--	--	48,942	36,636	85,578	--	85,578
TOTAL	--	--	205,319	38,488	243,807	--	243,807
CENTRAL:							
CROOK, DESCHUTES, AND JEFFERSON ^b	--	--	35,695	--	35,695	--	35,695
KLAMATH AND LAKE ^b	--	--	37,945	--	37,945	--	37,945
TOTAL	--	--	73,640	--	73,640	--	73,640
BLUE MOUNTAIN:							
BAKER AND GRANT ^b	--	--	22,670	1,466	24,136	--	24,136
MORROW AND UMATILLA ^b	--	--	29,744	3,990	33,734	--	33,734
UNION AND WALLOWA ^b	--	--	59,000	--	59000	10	59,010
TOTAL	--	--	111,414	5,456	116,870	10	116,880
ALL AREAS	499	--	859,324	284,297	1,144,117	5,583	1,149,700

^a Residues are not necessarily used in the area or county in which they are produced.^b Combined to avoid disclosure.

Table 28--Lumber production by sawmills, by resource area, mill-size class, and degree of manufacture, Oregon, 1994

RESOURCE AREA AND MILL-SIZE CLASS ^a	GREEN	KILN-DRIED	AIR-DRIED	TOTAL ^b	ROUGH	SURFACED
THOUSAND BOARD FEET, LUMBER TALLY						
NORTHWEST: C AND D ^c	23,027	32	53	23,112	15,713	7,399
A	817,449	370,410	--	1,187,859	94,457	1,093,402
TOTAL	840,476	370,442	53	1,210,971	110,170	1,100,801
WEST-CENTRAL: B	53,480	60,000	2,200	115,680	30,869	84,811
A	1,080,427	353,704	9,280	1,443,411	170,922	1,272,489
TOTAL	1,133,907	413,704	11,480	1,559,091	201,791	1,357,300
SOUTHWEST: C AND D ^c	16,665	95,157	150	111,972	23,280	88,692
A	527,465	293,112	10,600	831,177	268,515	562,662
TOTAL	544,130	388,269	10,750	943,149	291,795	651,354
CENTRAL: B, C, AND D ^c	--	94,038	1,144	95,182	2,702	92,480
A	4,096	220,916	2,785	227,797	24,853	202,944
TOTAL	4,096	314,954	3,929	322,979	27,555	295,424
BLUE MOUNTAIN: B, C AND D ^c	17,841	60,065	1,377	79,283	21,412	57,871
A	13,873	406,657	12,816	433,346	7,604	425,742
TOTAL	31,714	466,722	14,193	512,629	29,016	483,613
ALL AREAS: D	--	--	--	--	--	--
C	39,692	95,189	203	135,084	38,993	96,091
B	71,321	214,103	4,721	290,145	54,983	235,162
A	2,443,310	1,644,799	35,481	4,123,590	566,351	3,557,239
TOTAL	2,554,323	1,954,091	40,405	4,548,819	660,327	3,888,492

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

^b Total of "green," "kiln-dried," and "air-dried"; also, total of "rough" and "surfaced."

^c Combined to avoid disclosure.

Table 29--Lumber production by sawmills, by resource area, mill-size class, and type of headrig, Oregon, 1994

RESOURCE AREA AND MILL-SIZE CLASS ^a	BAND SAW	GANG SAW	OTHER SAW	ALL TYPES
THOUSAND BOARD FEET, LUMBER TALLY				
NORTHWEST: C AND D ^b	12,187	--	10,924	23,111
A	932,779	--	255,080	1,187,859
TOTAL	944,966	--	266,004	1,210,970
WEST-CENTRAL: B	115,680	--	--	115,680
A	1,228,711	102,000	112,700	1,443,411
TOTAL	1,344,391	102,000	112,700	1,559,091
SOUTHWEST: C AND D ^b	110,452	--	1,520	111,972
A	597,540	25,200	208,437	831,177
TOTAL	707,992	25,200	209,957	943,149
CENTRAL: B, C, AND D ^b	94,982	--	200	95,182
A	203,411	9,247	15,140	227,798
TOTAL	298,393	9,247	15,340	322,980
BLUE MOUNTAIN: B, C, AND D ^b	77,783	--	1,500	79,283
A	407,714	--	25,632	433,346
TOTAL	485,497	--	27,132	512,629
ALL AREAS: D	--	--	--	--
C	122,639	--	12,444	135,083
B	288,445	--	1,700	290,145
A	3,370,155	136,447	616,989	4,123,591
TOTAL	3,781,239	136,447	631,133	4,548,819

^a Class D mills = less than 40,000 board-foot capacity per 8-hour shift; C = 40,000-79,999; B = 80,000-119,999; A = 120,000 or more.

^b Combined to avoid disclosure.

Table 30--Lumber production by sawmills, by resource area, county, and type of headrig, Oregon, 1994

RESOURCE AREA AND COUNTY	BAND SAW	GANG SAW	OTHER SAW	ALL TYPES
<u>THOUSAND BOARD FEET, LUMBER TALLY</u>				
NORTHWEST:				
CLACKAMAS, HOOD RIVER, AND MULTNOMAH ^a	172,307	--	35,260	207,567
CLATSOP, COLUMBIA, AND TILLAMOOK ^a	259,440	--	158,152	417,592
POLK	102,000	--	10,692	112,692
WASHINGTON AND YAMHILL ^a	411,219	--	61,900	473,119
TOTAL	944,966	--	266,004	1,210,970
WEST-CENTRAL:				
BENTON AND LINCOLN ^a	357,763	--	--	357,763
LANE	823,978	42,000	80,000	945,978
LINN	162,650	60,000	32,700	255,350
TOTAL	1,344,391	102,000	112,700	1,559,091
SOUTHWEST:				
COOS AND CURRY ^a	138,036	--	51,706	189,742
DOUGLAS AND JOSEPHINE ^a	319,082	25,200	77,429	421,711
JACKSON	250,874	--	80,822	331,696
TOTAL	707,992	25,200	209,957	943,149
CENTRAL:				
CROOK, DESCHUTES AND JEFFERSON ^a	136,169	5,047	15,340	156,556
KLAMATH AND LAKE ^a	162,224	4,200	--	166,424
TOTAL	298,393	9,247	15,340	322,980
BLUE MOUNTAIN:				
BAKER AND GRANT ^a	104,360	--	1,500	105,860
MORROW AND UMATILLA ^a	147,954	--	--	147,954
UNION AND WALLOWA ^a	233,183	--	25,632	258,815
TOTAL	485,497	--	27,132	512,629
ALL AREAS	3,781,239	136,447	631,133	4,548,819

^a Combined to avoid disclosure.

**Table 31--Number of veneer mills by
resource area, county, and type of mill,
Oregon, 1994**

RESOURCE AREA AND COUNTY	MILL
NORTHWEST:	
COLUMBIA	1
MARION	1
POLK	3
YAMHILL	<u>1</u>
TOTAL	6
WEST-CENTRAL:	
LANE	6
LINCOLN	<u>1</u>
TOTAL	7
SOUTHWEST:	
COOS	1
CURRY	2
DOUGLAS	4
JACKSON	<u>3</u>
TOTAL	10
CENTRAL:	
DESCHUTES	1
KLAMATH	<u>2</u>
TOTAL	3
BLUE MOUNTAIN:	--
ALL AREAS	26

Table 32—Installed 8-hour capacity of veneer mills by resource area, county, and type of mill, Oregon, 1994

RESOURCE AREA AND COUNTY	veneer mill
<u>THOUSAND SQUARE FEET, 3/8-INCH BASIS</u>	
NORTHWEST:	
COLUMBIA	183
MARION	600
POLK	379
YAMHILL	<u>228</u>
TOTAL	1,390
WEST-CENTRAL:	
LANE	722
LINCOLN	<u>120</u>
TOTAL	842
SOUTHWEST:	
COOS	56
CURRY	120
DOUGLAS	560
JACKSON	<u>671</u>
TOTAL	1,407
CENTRAL:	
DESCHUTES	230
KLAMATH	<u>280</u>
TOTAL	510
BLUE MOUNTAIN:	--
ALL AREAS	4,149

Table 33--Number of veneer mills by resource area and diameter of core produced, Oregon, 1994

RESOURCE AREA	DIAMETER OF CORES (INCHES)				NO LATHE OR CORE
	2	3	4	5	
NORTHWEST	--	3	3	--	--
WEST-CENTRAL	1	1	1	1	3
SOUTHWEST	--	4	4	2	--
CENTRAL	1	--	1	1	--
BLUE MOUNTAIN	--	--	--	--	--
ALL AREAS	2	8	9	4	3

Table 34--Average number of operating days per year of veneer mills by resource area and type of mill, Oregon, 1994

RESOURCE AREA	VENEER MILL
NORTHWEST	262
WEST-CENTRAL	236
SOUTHWEST	222
CENTRAL	288
BLUE MOUNTAIN	--

Table 35--Log consumption by veneer mills, by resource area, county, and type of material, Oregon, 1994

RESOURCE AREA AND COUNTY	LOGS
<u>THOUSAND BOARD FEET, SCRIBNER LOG RULE</u>	
NORTHWEST:	
COLUMBIA, MARION, AND YAMHILL ^a	124,191
POLK	<u>86,567</u>
TOTAL	210,758
WEST-CENTRAL:	
LANE AND LINCOLN ^a	<u>222,650</u>
TOTAL	222,650
SOUTHWEST:	
COOS AND CURRY ^a	57,800
DOUGLAS	180,231
JACKSON	<u>114,478</u>
TOTAL	352,509
CENTRAL:	
DESCHUTES AND KLAMATH, ^a	<u>106,991</u>
TOTAL	106,991
BLUE MOUNTAIN:	--
ALL AREAS	892,908

^a Combined to avoid disclosure.

Table 36--Log consumption by veneer mills, by resource area, county, and age group of timber, Oregon, 1994

RESOURCE AREA AND COUNTY	<10	10-20	21+	ALL AGE GROUPS
<u>THOUSAND BOARD FEET, SCRIBNER LOG RULE</u>				
NORTHWEST:				
COLUMBIA, MARION, AND YAMHILL ^a	63,014	53,557	7,620	124,191
POLK	<u>22,150</u>	<u>43,627</u>	<u>20,790</u>	<u>86,567</u>
TOTAL	85,164	97,184	28,410	210,758
WEST-CENTRAL:				
LANE AND LINCOLN ^a	<u>139,005</u>	<u>67,985</u>	<u>15,660</u>	<u>222,650</u>
TOTAL	139,005	67,985	15,660	222,650
SOUTHWEST:				
COOS AND CURRY ^a	12,350	36,450	9,000	57,800
DOUGLAS	54,430	107,476	18,325	180,231
JACKSON	<u>22,342</u>	<u>67,038</u>	<u>25,098</u>	<u>114,478</u>
TOTAL	89,122	210,964	52,423	352,509
CENTRAL:				
DESCHUTES, KLAMATH ^a	<u>52,313</u>	<u>45,437</u>	<u>9,241</u>	<u>106,991</u>
TOTAL	69,808	69,190	138,998	106,991
BLUE MOUNTAIN:	--	--	--	--
ALL AREAS	365,604	421,570	105,734	892,908

^a Combined to avoid disclosure.

Table 37--Log consumption by veneer mills, by resource area, county, and owner, Oregon, 1994

RESOURCE AREA AND COUNTY	STATE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY		OTHER PRIVATE	NATIVE AMERICAN	ALL OWNERS
					OWN WOOD SUPPLY	OTHER WOOD SUPPLY			
THOUSAND BOARD FEET, SCRIBNER LOG RULE									
NORTHWEST: COLUMBIA, MARION, AND YAMHILL ^a POLK	7,062 8,197	22,310 816	4,420 1,631	12,795 7,878	37,435 47,433	1,525 --	37,728 20,613	915 --	124,190 86,568
TOTAL	15,259	23,126	6,051	20,673	84,868	1,525	58,341	915	210,758
WEST-CENTRAL: LANE AND LINCOLN ^a	15,360	11,998	19,270	480	72,220	83,463	19,860	--	222,651
TOTAL	15,360	11,998	19,270	480	72,220	83,463	19,860	--	222,651
SOUTHWEST: COOS AND CURRY ^a DOUGLAS JACKSON	-- 1,709 454	3,600 24,061 30,156	-- 9,295 2,332	14,400 2,523 3,344	7,200 23,322 32,674	1,880 19,215 3,322	30,720 100,105 42,196	-- -- --	57,800 180,230 114,478
TOTAL	2,163	57,817	11,627	20,267	63,196	24,418	173,021	--	352,508
CENTRAL: DESCHUTES AND KLAMATH ^a	--	28,166	--	--	33,222	15,515	30,088	--	106,991
TOTAL	--	28,166	--	--	33,222	15,515	30,088	--	106,991
BLUE MOUNTAIN:	--	--	--	--	--	--	--	--	--
ALL AREAS	32,782	121,107	36,948	41,420	253,506	124,920	281,310	915	892,908

^a Combined to avoid disclosure.

Table 38--Dependency (by percentage) of veneer and plywood mills on timber by resource area and owner, Oregon, 1994

RESOURCE AREA	NATIONAL FOREST				STATE				BUREAU OF LAND MANAGEMENT				OTHER PUBLIC			
	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%
<u>NUMBER OF MILLS</u>																
NORTHWEST	2	3	--	1	1	5	--	--	2	4	--	--	4	2	--	--
WEST-CENTRAL	3	4	--	--	3	4	--	--	4	3	--	--	6	1	--	--
SOUTHWEST	3	5	2	--	8	2	--	--	4	6	--	--	4	5	1	--
CENTRAL	--	2	1	--	3	--	--	--	3	--	--	--	3	--	--	--
BLUE MOUNTAIN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL AREAS	8	14	3	1	15	11	--	--	13	13	--	--	17	8	1	--

**Table 38--Dependency (by percentage) of veneer and plywood mills on timber by resource area and owner, Oregon, 1994
(continued)**

FOREST INDUSTRY															
OWN WOOD SUPPLY				OTHER WOOD SUPPLY				OTHER PRIVATE				NATIVE AMERICAN			
0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%
NUMBER OF MILLS															
2	--	2	2	5	1	--	--	--	4	2	--	5	--	--	1
4	--	1	2	3	--	2	2	4	1	2	--	7	--	--	--
3	5	2	--	6	3	1	--	--	3	4	3	10	--	--	--
1	1	1	--	2	--	1	--	--	2	--	1	3	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	6	6	4	16	4	4	2	4	10	8	4	25	--	--	1

Table 39--Log consumption by veneer and plywood mills, by resource area, county, and species, Oregon, 1994

RESOURCE AREA AND COUNTY	DOUGLAS-FIR	HEMLOCK	TRUE FIRS	SPRUCE	PONDEROSA PINE	LODGEPOLE PINE	WESTERN REDCEDAR	OTHER SOFTWOODS	RED ALDER	OTHER HARDWOODS	ALL SPECIES
THOUSAND BOARD FEET, SCRIBNER LOG RULE											
NORTHWEST: COLUMBIA, MARION, AND YAMHILL ^a	76,263	20,167	--	23,186	3,050	--	--	--	--	1,525	124,191
POLK	62,488	8,435	1,134	9,510	--	--	--	--	4,750	--	86,567
TOTAL	138,751	28,602	1,134	32,696	3,050	--	--	--	4,750	1,525	210,758
WEST-CENTRAL: LANE AND LINCOLN ^a	154,660	39,645	2,718	11,900	680	--	--	3,160	3,950	5,939	222,652
TOTAL	154,660	39,645	2,718	11,900	680	--	--	3,160	3,950	5,939	222,652
SOUTHWEST: COOS AND CURRY ^a	27,080	4,540	--	3,600	--	--	--	--	17,880	4,700	57,8002
DOUGLAS	132,709	19,658	15,669	5,424	748	748	--	--	3,444	1,833	180,233
JACKSON	61,734	8,793	27,607	13,879	2,268	--	--	--	--	195	114,476
TOTAL	221,523	32,991	43,276	22,903	3,016	748	--	--	21,324	6,728	352,509
CENTRAL: DESCHUTES, AND, KLAMATH ^a	21,206	14,300	65,597	--	2,200	3,688	--	--	--	--	106,991
TOTAL	21,206	14,300	65,597	--	2,200	3,688	--	--	--	--	106,991
BLUE MOUNTAIN	--	--	--	--	--	--	--	--	--	--	--
ALL AREAS	536,140	115,538	112,725	67,499	8,946	4,436	--	3,160	30,024	14,442	892,910

^a Combined to avoid disclosure.

Table 40--Production and disposition of wood and bark residue by veneer and plywood mills, by resource area and county, Oregon, 1994

RESOURCE AREA AND COUNTY	WOOD RESIDUE			BARK RESIDUE			ALL RESIDUE		
	USED ^a	UNUSED	TOTAL	USED ^a	UNUSED	TOTAL	USED ^a	UNUSED	TOTAL
TONS, DRY WEIGHT									
NORTHWEST: COLUMBIA, MARION, AND YAMHILL ^b POLK	195,763 65,436	-- --	195,673 65,436	63,647 21,275	-- --	63,647 21,275	259,410 86,711	-- --	259,410 86,711
TOTAL	261,199	--	261,199	84,922	--	84,922	346,121	--	346,121
WEST-CENTRAL: LANE AND LINCOLN ^b	273,207	--	273,207	88,826	--	88,826	362,033	--	362,033
TOTAL	273,207	--	273,207	88,826	--	88,826	362,033	--	362,033
SOUTHWEST: COOS AND CURRY ^b DOUGLAS JACKSON	55,405 181,375 120,376	-- -- --	55,405 181,375 120,376	18,013 58,969 39,137	-- -- --	18,013 58,969 39,137	73,418 240,344 159,513	-- -- --	73,418 240,344 159,513
TOTAL	357,156	--	357,156	116,119	--	116,119	473,275	--	473,275
CENTRAL: DESCHUTES, AND KLAMATH ^b	116,611	--	116,611	37,913	--	37,913	154,524	--	154,524
TOTAL	116,611	--	116,611	37,913	--	37,913	154,524	--	154,524
BLUE MOUNTAIN	--	--	--	--	--	--	--	--	--
ALL AREAS	1,008,173	--	1,008,173	327,780	--	327,780	1,335,953	--	1,335,953

^a Residues are not necessarily used in the area or county in which they are produced.

^b Combined to avoid disclosure.

Table 41--Production and disposition of wood residue by veneer mills, by resource area, county, type of residue, and use, Oregon, 1994

RESOURCE AREA AND COUNTY	USED ^a					UNUSED	TOTAL
	PULP	BOARD	FUEL	MISCELLANEOUS	TOTAL		
<u>TONS, DRY WEIGHT</u>							
NORTHWEST:							
COLUMBIA, MARION, AND YAMHILL ^b	153,332	26,892	--	15,539	195,763	--	195,763
POLK	51,355	--	95	13,985	65,435	--	65,435
TOTAL	204,687	26,892	95	29,524	261,198	--	261,198
WEST-CENTRAL:							
LANE AND LINCOLN ^b	243,380	10,931	--	18,896	273,207	--	273,207
TOTAL	243,380	10,931	--	18,896	273,207	--	273,207
SOUTHWEST:							
COOS AND CURRY ^b	55,405	--	--	--	55,405	--	55,405
DOUGLAS	156,039	10,543	--	14,793	181,375	--	181,375
JACKSON	58,096	--	36,188	26,091	120,375	--	120,375
TOTAL	269,540	10,543	36,188	40,884	357,155	--	357,155
CENTRAL:							
DESCHUTES AND KLAMATH ^b	102,431	--	--	14,181	116,612	--	116,612
TOTAL	102,431	--	--	14,181	116,612	--	116,612
BLUE MOUNTAIN	--	--	--	--	--	--	--
ALL AREAS	820,038	48,366	36,283	103,485	1,008,172	--	1,008,172

^a Residues are not necessarily used in the area or county in which they are produced.^b Combined to avoid disclosure.

Table 42--Production and disposition of bark residue by veneer mills, by resource area, county, and use, Oregon, 1994

RESOURCE AREA AND COUNTY	USED ^a					UNUSED	ALL BARK
	PULP	BOARD	FUEL	MISCELLANEOUS	TOTAL		
<u>TONS, DRY WEIGHT</u>							
NORTHWEST:							
COLUMBIA, MARION, AND YAMHILL ^b	--	--	63,647	--	63,647	--	63,647
POLK	--	--	21,275	--	21,275	--	21,275
TOTAL	--	--	84,922	--	84,922	--	84,922
WEST-CENTRAL:							
LANE AND LINN ^b	--	--	88,826	--	88,826	--	88,826
TOTAL	--	--	88,826	--	88,826	--	88,826
SOUTHWEST:							
COOS AND CURRY ^b	--	--	18,013	--	18,013	--	18,013
DOUGLAS	--	--	58,969	--	58,969	--	58,969
JACKSON	--	--	39,137	--	39,137	--	39,137
TOTAL	--	--	116,119	--	116,119	--	116,119
CENTRAL:							
DESCHUTES AND KLAMATH ^b	--	--	37,913	--	37,913	--	37,913
TOTAL	--	--	37,913	--	37,913	--	37,913
BLUE MOUNTAIN	--	--	--	--	--	--	--
ALL AREAS	--	--	327,780	--	327,780	--	327,780

^a Residues are not necessarily used in the area or county in which they are produced.

^b Combined to avoid disclosure.

Table 43--Number of pulpmills and board mills by resource area, county, and type of operation, Oregon, 1994

RESOURCE AREA AND COUNTY	PULPMILL				BOARD MILL			ALL MILLS
	SULFITE	SULFATE	GROUNDWOOD	SEMICHEMICAL	HARDBOARD	PARTICLE BOARD	INSULATION BOARD	
NORTHWEST:								
CLACKAMAS	--	--	1	--	--	--	--	1
CLATSOP	--	1	1	--	--	--	--	2
HOOD RIVER	--	--	--	--	1	--	--	1
WASHINGTON	--	--	--	--	1	--	--	1
YAMHILL	--	--	1	--	--	--	--	1
TOTAL	--	1	3	--	2	--	--	6
WEST-CENTRAL:								
BENTON	--	--	--	--	1	1	--	2
LANE	--	1	--	--	--	2	--	3
LINCOLN	--	1	--	1	--	--	--	2
LINN	--	2	--	--	1	3	--	6
TOTAL	--	4	--	1	2	6	--	13
SOUTHWEST:								
COOS	--	--	--	1	--	--	--	1
DOUGLAS	--	1	--	--	--	--	--	1
JACKSON	--	--	--	--	--	2	--	2
TOTAL	--	1	--	1	--	2	--	4
CENTRAL:								
DESCHUTES	--	--	--	--	--	2	--	2
KLAMATH	--	--	--	--	2	1	--	3
TOTAL	--	--	--	--	2	3	--	5
BLUE MOUNTAIN:								
UMATILLA	--	--	--	--	1	--	1	2
UNION	--	--	--	--	--	1	--	1
TOTAL	--	--	--	--	1	1	1	3
ALL AREAS	--	6	3	2	7	12	1	31

Table 44--Installed capacity of pulpmills and board mills by resource area, county, and type of operation, Oregon, 1994

RESOURCE AREA AND COUNTY	PULPMILL				BOARD MILL		
	SULFITE	SULFATE	GROUNDWOOD	SEMICHEMICAL	HARDBOARD	PARTICLE BOARD	INSULATION BOARD
	- - - - - 24-HOUR CAPACITY (TONS) - - - - -				ANNUAL CAPACITY (MILLION SQUARE FEET)		
					1/8-INCH BASIS	1/4-INCH BASIS	1/2-INCH BASIS
NORTHWEST:							
CLACKAMAS	--	--	650	--	--	--	--
CLATSOP	--	753	262	--	--	--	--
HOOD RIVER	--	--	--	--	98	--	--
WASHINGTON	--	--	--	--	140	--	--
YAMHILL	--	--	1,090	--	--	--	--
TOTAL	--	753	2,002	--	238	--	--
WEST-CENTRAL:							
BENTON	--	--	--	--	150	30	--
LANE	--	1,350	--	--	--	230	--
LINCOLN	--	1,080	--	360	--	--	--
LINN	--	979	--	--	106	277	--
TOTAL	--	3,409	--	360	256	537	--
SOUTHWEST:							
COOS	--	--	--	630	--	--	--
DOUGLAS	--	900	--	--	--	--	--
JACKSON	--	--	--	--	--	189	--
TOTAL	--	900	--	630	--	189	--
CENTRAL:							
DESCHUTES	--	--	--	--	--	560	--
KLAMATH	--	--	--	--	225	126	--
TOTAL	--	--	--	--	225	686	--
BLUE MOUNTAIN:							
UMATILLA	--	--	--	--	17,043	--	155,369
UNION	--	--	--	--	--	195	--
TOTAL	--	--	--	--	17,043	195	155,369
ALL AREAS	--	5,062	2,002	990	17,762	1,607	155,369

Pulp and Board Industry

Table 45--Average number of operating days per year of pulpmills and board mills by resource area, Oregon, 1994

RESOURCE AREA	PULPMILL	BOARD MILL
NORTHWEST	363	335
WEST-CENTRAL	361	343
SOUTHWEST	353	347
CENTRAL	--	285
BLUE MOUNTAIN	--	217

Table 46--Wood consumption by pulpmills and board mills, by resource area and type of material, Oregon, 1994

RESOURCE AREA	ROUNDWOOD	CHIPS		SAWDUST	SHAVINGS	BARK	TOTAL
		FROM MILL RESIDUE	FROM ROUNDWOOD CHIPPING MILL				
	<u>THOUSAND BOARD FEET, SCRIBNER LOG RULE</u>	<u>- TONS, DRY WEIGHT -</u>					
NORTHWEST	21,514	611,876	125,840	177,336	20,771	264,000	1,221,337
WEST-CENTRAL	43,500	2,051,429	569,188	289,963	543,298	5,573	3,502,951
SOUTHWEST	--	278,859	318,357	64,337	121,399	66,000	848,952
CENTRAL ^a	15,600	36,000	110,700	182,000	800,986	--	1,145,286
BLUE MOUNTAIN ^a	--	--	--	--	--	--	--
ALL AREAS	80,614	2,978,164	1,124,085	713,636	1,486,454	335,573	6,718,526

^aCombined to avoid disclosure.

Table 47--Log consumption by pulpmills and board mills, by resource area and owner, Oregon, 1994

RESOURCE AREA	STATE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY		OTHER PRIVATE	NATIVE AMERICAN	UNKNOWN ORIGIN	ALL OWNERS
					OWN WOOD SUPPLY	OTHER WOOD SUPPLY				
THOUSAND BOARD FEET, SCRIBNER LOG RULE										
NORTHWEST	--	--	--	--	538	--	20,976	--	--	21,514
WEST-CENTRAL	2,125	8,500	2,125	--	25,500	--	4,250	--	1,000	43,500
SOUTHWEST	--	--	--	--	--	--	--	--	--	--
CENTRAL ^a	--	3,900	--	--	--	312	11,076	312	--	15,600
BLUE MOUNTAIN ^a	--	--	--	--	--	--	--	--	--	--
ALL AREAS	2,125	12,400	2,125	--	26,038	312	36,302	312	1,000	80,614

Table 48--Pulpmill and board mill consumption of chips from logs and sawdust and shavings, by resource area, type of material, and State of origin, Oregon, 1994

RESOURCE AREA AND TYPE OF MATERIAL	OREGON	WASHINGTON	CALIFORNIA	IDAHO	OTHER	TOTAL
TONS, DRY WEIGHT						
NORTHWEST:						
CHIPS	39,512	84,238	--	2,090	--	125,840
SAWDUST AND SHAVINGS	65,987	81,208	--	--	50,912	198,107
TOTAL	105,499	165,446	--	2,090	50,912	323,947
WEST-CENTRAL:						
CHIPS	524,044	--	45,144	--	--	569,188
SAWDUST AND SHAVINGS	632,003	201,258	--	--	--	833,261
TOTAL	1,156,047	201,258	45,144	--	--	1,402,449
SOUTHWEST:						
CHIPS	255,200	--	52,800	--	--	308,000
SAWDUST AND SHAVINGS	171,162	--	14,574	--	--	185,736
TOTAL	426,362	--	67,374	--	--	793,736
CENTRAL:						
CHIPS	50,100	--	5,400	--	--	55,500
SAWDUST AND SHAVINGS	521,667	99,802	57,772	--	28,567	707,808
TOTAL	571,767	99,802	63,172	--	28,567	763,308
BLUE MOUNTAIN:						
CHIPS	55,200	--	--	--	--	55,200
SAWDUST AND SHAVINGS	104,568	30,270	--	140,341	--	275,179
TOTAL	159,768	30,270	--	140,341	--	330,379
ALL AREAS:						
CHIPS	924,056	84,238	103,344	2,090	--	1,113,728
SAWDUST AND SHAVINGS	1,495,387	412,538	72,346	140,341	79,479	2,200,091
TOTAL	2,419,443	496,776	175,690	142,431	79,479	3,313,819

Table 49--Number of "other industry" mills by resource area, county, and type of industry, Oregon, 1994

RESOURCE AREA AND COUNTY	SHAKE AND SHINGLE	EXPORT	POST, POLE, AND PILING	ALL TYPES
NORTHWEST:				
CLACKAMAS	1	--	--	1
CLATSOP	--	1	--	1
COLUMBIA	--	--	1	1
TILLAMOOK	2	--	--	2
YAMHILL	--	--	1	1
TOTAL	3	1	2	6
WEST-CENTRAL:				
LANE	4	--	2	6
LINCOLN	--	2	--	2
LINN	2	--	--	2
TOTAL	6	2	2	10
SOUTHWEST:				
COOS	--	7	--	7
TOTAL	--	7	--	7
CENTRAL:				
KLAMATH	--	--	3	3
TOTAL	--	--	3	3
BLUE MOUNTAIN	--	--	--	--
ALL AREAS	9	10	7	26

Other Industries

Table 50--Installed capacity of "other industry" mills by resource area, county, and type of industry, Oregon, 1994

RESOURCE AREA AND COUNTY	SHAKE AND SHINGLE	POST, POLE, AND PILING
	<u>8-HOUR CAPACITY (SQUARES)</u>	<u>ANNUAL CAPACITY (THOUSAND BOARD FEET, SCRIBNER LOG RULE)</u>
NORTHWEST:		
CLACKAMAS ^a	368	--
COLUMBIA ^b	--	26,723
TILLAMOOK ^a	--	--
YAMHILL ^b	--	--
TOTAL	368	26,723
WEST-CENTRAL:		
LANE ^{a,b}	1,165	--
LINN ^a	--	--
TOTAL	1,165	--
SOUTHWEST:	--	--
CENTRAL:		
KLAMATH	--	20,668
TOTAL	--	20,668
BLUE MOUNTAIN	--	--
ALL AREAS	1,533	47,404

^aCombined to avoid disclosure.

^bCombined to avoid disclosure.

Table 51--Average number of operating days per year of "other industry" mills by resource area and type of mill, Oregon, 1994

RESOURCE AREA	SHAKE AND SHINGLE	POST, POLE, AND PILING
NORTHWEST	173	354
WEST-CENTRAL	146	210
SOUTHWEST	--	--
CENTRAL	--	215
BLUE MOUNTAIN	--	--

Table 52--Wood consumption by "other industry" mills, by resource area, type of mill, and type of material, Oregon, 1994

RESOURCE AREA AND TYPE OF MILL	ROUNDWOOD	OTHER WOOD	ALL WOOD
<u>THOUSAND BOARD FEET, SCRIBNER LOG RULE</u>			
NORTHWEST:			
SHAKE AND SHINGLE	1,867	--	1,867
EXPORT ^a	17,377	--	17,377
POST, POLE, AND PILING ^b	<u>15,878</u>	--	<u>15,878</u>
TOTAL	35,122	--	35,122
WEST-CENTRAL:			
SHAKE AND SHINGLE	2,740	119	2,859
EXPORT ^a	--	--	--
POST, POLE, AND PILING ^b	<u>--</u>	--	<u>--</u>
TOTAL	2,740	119	2,859
SOUTHWEST:			
EXPORT	<u>201,650</u>	--	<u>201,650</u>
TOTAL	201,650	--	201,650
CENTRAL:			
POST, POLE, AND PILING	<u>11,114</u>	--	<u>11,114</u>
TOTAL	11,114	--	11,114
BLUE MOUNTAIN:	--	--	--
ALL AREAS:			
SHAKE AND SHINGLE	4,607	119	4,726
EXPORT	219,027	--	219,027
POST, POLE, AND PILING	<u>26,992</u>	--	<u>26,992</u>
TOTAL	205,626	119	250,745

^a Northwest Area combined with West-Central Area to avoid disclosure.

^b Northwest Area combined with West-Central Area to avoid disclosure.

Table 53--Log consumption by "other industry" mills, by resource area, type of mill, and owner, Oregon, 1994

RESOURCE AREA AND TYPE OF MILL	STATE	NATIONAL FOREST	BUREAU OF LAND MANAGEMENT	OTHER PUBLIC	FOREST INDUSTRY		OTHER PRIVATE	NATIVE AMERICAN	UNKOWN ORIGIN	ALL OWNERS
					OWN WOOD SUPPLY	OTHER WOOD SUPPLY				
THOUSAND BOARD FEET, SCRIBNER LOG RULE										
NORTHWEST:										
SHAKE AND SHINGLE	31	180	--	--	31	--	6	1,620	--	1,868
EXPORT ^a	--	--	--	--	11,000	--	4,757	--	1,620	17,377
POST, POLE, AND PILING ^b	6,429	57	--	--	2,181	3,327	3,883	--	--	15,877
TOTAL	6,460	237	--	--	13,212	3,327	8,646	1,620	1,620	35,122
WEST-CENTRAL:										
SHAKE AND SHINGLE	--	407	--	--	210	879	1,245	--	--	2,741
EXPORT ^a	--	--	--	--	--	--	--	--	--	--
POST, POLE, AND PILING ^b	--	--	--	--	--	--	--	--	--	--
TOTAL	--	407	--	--	210	879	1,245	--	--	2,741
SOUTHWEST:										
EXPORT	--	--	--	--	12,066	14,675	3,409	4,107	167,393	201,650
TOTAL	--	--	--	--	12,066	14,675	3,409	4,107	167,393	201,650
CENTRAL:										
POST, POLE, AND PILING	--	468	--	420	--	10,092	134	--	--	11,114
TOTAL	--	468	--	420	--	10,092	134			11,114
BLUE MOUNTAIN	--	--	--	--	--	--	--	--	--	--
ALL AREAS:										
SHAKE AND SHINGLE	31	587	--	--	241	879	1,251	1,620	--	4,609
EXPORT	--	--	--	--	23,066	14,675	8,166	4,107	169,013	219,027
POST, POLE, AND PILING	6,429	525	--	420	2,181	13,419	3,883	--	--	26,991
TOTAL	6,460	1,112	--	420	25,488	28,973	13,300	5,727	169,013	250,627

^a Northwest Area combined with West-Central Area to avoid disclosure.^b Northwest Area combined with West-Central Area to avoid disclosure.

Table 54--Dependency (by percentage) of "other industry" mills on timber by resource area, type of mill, and owner, Oregon, 1994

RESOURCE AREA AND TYPE OF MILL	NATIONAL FOREST				STATE				BUREAU OF LAND MANAGEMENT				OTHER PUBLIC			
	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%
NUMBER OF MILLS																
NORTHWEST:																
SHAKE AND SHINGLE	2	1	--	--	2	--	1	--	3	--	--	--	3	--	--	--
EXPORT	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
POST, POLE, AND PILING	2	--	--	--	1	--	--	1	1	2	--	--	2	--	--	--
TOTAL	5	1	--	--	4	--	1	1	5	2	--	--	6	--	--	--
WEST-CENTRAL:																
SHAKE AND SHINGLE	4	1	--	1	6	--	--	--	6	--	--	--	6	--	--	--
EXPORT	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
POST, POLE, AND PILING	1	1	--	--	1	1	--	--	2	--	--	--	2	--	--	--
TOTAL	7	2	--	1	9	1	--	--	10	--	--	--	10	--	--	--
SOUTHWEST:																
SHAKE AND SHINGLE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EXPORT	7	--	--	--	7	--	--	--	7	--	--	--	7	--	--	--
POST, POLE, AND PILING	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL	7	--	--	--	7	--	--	--	7	--	--	--	7	--	--	--
CENTRAL:																
SHAKE AND SHINGLE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EXPORT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POST, POLE, AND PILING	2	1	--	--	3	--	--	--	3	--	--	--	2	--	--	1
TOTAL	2	1	--	--	3	--	--	--	3	--	--	--	2	--	--	1
BLUE MOUNTAIN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL AREAS:																
SHAKE AND SHINGLE	6	2	--	1	8	--	1	--	9	--	--	--	9	--	--	--
EXPORT	10	--	--	--	10	--	--	--	10	--	--	--	10	--	--	--
POST, POLE, AND PILING	5	2	--	--	5	1	--	1	6	2	--	--	6	--	--	1
TOTAL	21	4	--	1	23	1	1	1	25	2	--	--	25	--	--	1

Table 54--Dependency (by percentage) of "other industry" mills on timber by resource area, type of mill, and owner, Oregon, 1994 (continued)

RESOURCE AREA AND TYPE OF MILL	FOREST INDUSTRY															
	OWN WOOD SUPPLY				OTHER WOOD SUPPLY				OTHER PRIVATE				NATIVE AMERICAN			
	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%	0%	1-32%	33-66%	67-100%
NUMBER OF MILLS																
NORTHWEST:																
SHAKE AND SHINGLE	2	--	1	--	3	--	--	--	2	--	--	1	2	--	--	1
EXPORT	--	--	--	1	1	--	--	1	--	--	--	--	1	--	--	--
POST, POLE, AND PILING	1	--	--	1	2	--	--	--	--	2	--	--	2	--	--	--
TOTAL	3	--	1	2	6	--	--	1	2	2	--	1	5	--	--	1
WEST-CENTRAL:																
SHAKE AND SHINGLE	4	--	--	1	2	2	--	1	2	2	--	1	--	--	--	--
EXPORT	2	--	--	--	1	--	--	1	--	1	--	1	--	--	--	--
POST, POLE, AND PILING	3	--	--	--	2	--	--	1	--	1	--	2	--	--	--	--
TOTAL	9	--	--	1	5	2	--	3	2	4	--	4	--	--	--	--
SOUTHWEST:																
SHAKE AND SHINGLE	5	--	--	1	4	1	--	1	3	1	--	2	6	--	--	--
EXPORT	2	--	--	--	2	--	--	--	1	--	--	1	2	--	--	--
POST, POLE, AND PILING	1	1	--	--	1	--	1	--	--	1	--	1	1	2	--	--
TOTAL	8	1	--	1	7	1	1	1	4	2	--	4	9	2	--	--
CENTRAL:																
SHAKE AND SHINGLE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EXPORT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POST, POLE, AND PILING	3	--	--	--	1	--	--	2	2	1	--	--	3	--	--	--
TOTAL	3	--	--	--	1	--	--	2	2	1	--	--	3	--	--	--
BLUE MOUNTAIN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL AREAS:																
SHAKE AND SHINGLE	12	--	--	2	10	3	--	2	8	3	--	4	8	--	--	1
EXPORT	4	--	--	1	4	--	--	2	1	1	--	2	3	--	--	--
POST, POLE, AND PILING	8	1	--	1	6	--	1	3	2	5	--	3	6	2	--	--
TOTAL	24	1	--	4	20	3	1	7	11	9	--	9	17	2	--	1

Table 55--Log consumption by "other industry" mills, by resource area, type of mill, and species, Oregon, 1994

RESOURCE AREA AND TYPE OF MILL	DOUGLAS-FIR	HEMLOCK	TRUE FIRS	SPRUCE	PONDEROSA PINE	LODGEPOLE PINE	WESTERN REDCEDAR	OTHER SOFTWOODS	RED ALDER	OTHER HARDWOODS	ALL SPECIES
THOUSAND BOARD FEET, SCRIBNER LOG RULE											
NORTHWEST:											
SHAKE AND SHINGLE	--	--	--	--	--	--	1,867	--	--	--	1,867
EXPORT ^a	5,076	11,112	476	714	--	--	--	--	--	--	17,378
POST, POLE, AND PILING ^b	15,871	--	7	--	--	--	--	--	--	--	15,878
TOTAL	20,947	11,112	476	714	--	--	1,867	--	--	--	35,123
WEST-CENTRAL:											
SHAKE AND SHINGLE	--	--	--	--	--	--	2,740	--	--	--	2,740
EXPORT ^a	--	--	--	--	--	--	--	--	--	--	--
POST, POLE, AND PILING ^b	--	--	--	--	--	--	--	--	--	--	--
TOTAL	--	--	--	--	--	--	2,740	--	--	--	2,740
SOUTHWEST:											
EXPORT	197,811	2,581	--	568	--	--	71	619	--	--	201,650
TOTAL	197,811	2,581	--	568	--	--	71	619	--	--	201,650
CENTRAL:											
POST, POLE, AND PILING	42	210	--	84	97	10,681	--	--	--	--	11,114
TOTAL	42	210	--	84	97	10,681	--	--	--	--	11,114
BLUE MOUNTAIN	--	--	--	--	--	--	--	--	--	--	--
ALL AREAS:											
SHAKE AND SHINGLE	--	--	--	--	--	--	4,607	--	--	--	4,607
EXPORT	202,887	13,693	476	1,282	--	--	71	619	--	--	219,028
POST, POLE, AND PILING	15,913	210	7	84	97	10,681	--	--	--	--	26,992
TOTAL	218,800	13,903	483	1,366	97	10,681	4,678	619	--	--	250,627

^a Northwest Area combined with West-Central Area to avoid disclosure.

^b Northwest Area combined with West-Central Area to avoid disclosure.

Table 56--Production and disposition of wood and bark residue by shake and shingle mills, by resource area, Oregon, 1994

RESOURCE AREA	WOOD RESIDUE			BARK RESIDUE			ALL RESIDUE		
	USED ^a	UNUSED	TOTAL	USED ^a	UNUSED	TOTAL	USED ^a	UNUSED	TOTAL
<u>TONS, DRY WEIGHT</u>									
NORTHWEST	738	61	799	293	53	346	1,031	114	1,145
WEST-CENTRAL	2,045	8	2,053	668	14	682	2,713	22	2,735
SOUTHWEST	--	--	--	--	--	--	--	--	--
CENTRAL	--	--	--	--	--	--	--	--	--
BLUE MOUNTAIN	--	--	--	--	--	--	--	--	--
ALL AREAS	2,783	69	2,852	961	67	1,028	3,744	136	3,880

^a Residues are not necessarily used in the area in which they are produced.

Table 57--Production and disposition of wood residue by shake and shingle mills, by resource area, use, and type of residue, Oregon, 1994

RESIDUE AND RESOURCE AREA	USED ^a					UNUSED	TOTAL
	PULP	BOARD	FUEL	MISCELLANEOUS	TOTAL		
<u>TONS, DRY WEIGHT</u>							
COARSE RESIDUE ^b :							
NORTHWEST	--	--	226	46	272	0	272
WEST-CENTRAL	415	--	68	49	532	4	536
SOUTHWEST	--	--	--	--	--	--	--
CENTRAL	--	--	--	--	--	--	--
BLUE MOUNTAIN	--	--	--	--	--	--	--
ALL AREAS	415	--	294	95	804	4	808
FINE RESIDUE ^c :							
NORTHWEST	--	--	454	12	466	61	527
WEST-CENTRAL	--	--	119	1,394	1,513	4	1,517
SOUTHWEST	--	--	--	--	--	--	--
CENTRAL	--	--	--	--	--	--	--
BLUE MOUNTAIN	--	--	--	--	--	--	--
ALL AREAS	--	--	573	1,406	1,979	65	2,044
ALL TYPES OF RESIDUE:							
NORTHWEST	--	--	680	58	738	61	799
WEST-CENTRAL	415	--	187	1,443	2,045	8	2,053
SOUTHWEST	--	--	--	--	--	--	--
CENTRAL	--	--	--	--	--	--	--
BLUE MOUNTAIN	--	--	--	--	--	--	--
ALL AREAS	415	--	867	1,501	2,783	69	2,852

^a Residues are not necessarily used in the area or county in which they are produced.

^b Coarse residue includes log trim, cores, veneer clippings, rejected veneer, roundup, and spur trim.

^c Fine residue includes sawdust.

Table 58-Production and disposition of bark residue by shake and shingle mills, by resource area and use, Oregon, 1994

RESOURCE AREA	USED ^a					UNUSED	ALL BARK
	PULP	BOARD	FUEL	MISCELLANEOUS	TOTAL		
	<u>TONS, DRY WEIGHT</u>						
NORTHWEST	--	--	288	5	293	53	346
WEST-CENTRAL	--	--	612	56	668	14	682
SOUTHWEST	--	--	--	--	--	--	--
CENTRAL	--	--	--	--	--	--	--
BLUE MOUNTAIN	--	--	--	--	--	--	--
ALL AREAS	--	--	900	61	961	67	1,028

^a Residues are not necessarily used in the area in which they are produced.

Ward, Franklin R. 1997. Oregon's forest products industry: 1994. Resour. Bull. PNW-RB-216. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 70 p.

This report presents the findings of a survey of primary forest products industries in Oregon for 1994. The survey included the following sectors: lumber; veneer; pulp and board; shake and shingle; export; and post, pole, and piling. Tables, presented by sector and for the industry as a whole, include characteristics of the industry, nature and flow of logs consumed, and disposition of mill residues.

Keywords: Forest products industry, mill surveys, wood utilization, mill residues, Oregon.

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Pacific Northwest Research Station
333 S.W. First Avenue
P.O. Box 3890
Portland, Oregon 97208-3890

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Pacific Northwest Research Station
333 S.W. First Avenue
P.O. Box 3890
Portland, OR 97208

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