

CALIFORNIA FOREST INDUSTRY

Wood Consumption and Characteristics, 1972

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HIGHLIGHTS

Industry Characteristics

- Total number of mills was 238:

<u>Type of mill</u>	<u>Number</u>	<u>Capacity</u>
Sawmills	176	16.6 MMBF (8-hour shift)
Veneer and plywood	25	4.0 MMSF (8-hour shift)
Pulp	9	2,600 tons (daily)
Board	9	1.7 MMSF (3/4-inch basis) (daily)
Log export	6	--
Shake and shingle	7	212 squares (8-hour shift)
Post, pole, and piling	6	58.3 MMBF (annually)

- Humboldt, with 54 mills, was the leading county in number of mills.
- The 52 largest sawmills had 54 percent of the total sawmill capacity.

Wood Consumption

- 5.45 billion board feet of roundwood (logs) were consumed.
- 28 million board feet of peeler cores, cants, blocks, bolts, and miscellaneous peeled products were consumed.
- 2.3 million bone-dry tons of chips, shavings, sawdust, and bark were consumed by the pulp and board industry.
- Leading counties in roundwood use were:

	<u>Million board feet</u>
Humboldt	1,221
Siskiyou	548
Mendocino	510
Shasta	432

- Roundwood use by industry:

	<u>Percent</u>
Sawmills	86.1
Veneer and plywood	11.8
Log export	1.4
Pulp and board	.1
Post, pole, and piling	.2
Shake and shingle	.1

- Roundwood accounted for only 2 percent of wood use by pulp and board industry.
- 72 percent of all logs were old growth.
- 94 percent of all logs were sound.
- 27 percent of all logs were Douglas-fir; 25 percent ponderosa and sugar pines; 22 percent true firs; and 19 percent redwood.
- 41 percent of all logs came from National Forests; 39 percent from forest industry lands; 17 percent from miscellaneous private lands; and 3 percent from other public land.

Mill Residues

- 7.7 million tons of wood and bark residue were generated:

<u>Type of mill</u>	<u>Thousand tons</u>
Sawmill	6,830
Veneer and plywood	851
Shake and shingle	2

- 77 percent of all residue was wood; 23 percent was bark.
- 81 percent of wood residue and 50 percent of bark were used.
- 51 percent of wood residue went to the pulp and board industry; 23 percent for fuel; 7 percent miscellaneous; and 19 percent unused.
- 25 percent of bark residue was used as fuel; 25 percent miscellaneous; and 50 percent unused.

FOREWORD

This report presents the results of a survey of the primary wood processing industry in California for 1972. This survey identifies the raw material inputs, both logs and mill residues, and the characteristics of the forest products industries. Data are shown separately for the following industries: lumber, veneer and plywood, pulp and board, shake and shingle, post, pole, and piling, and export.

Surveys of the wood use by the California forest industries were conducted by the Pacific Southwest Forest and Range Experiment Station in 1946, 1951, 1956, and 1962. In 1968, a survey similar to the present one was conducted jointly by the California Division of Forestry and the Pacific Northwest Forest and Range Experiment Station. The earlier surveys differ principally from the 1968 and 1972 surveys in that they did not include information about the processing facilities.

Data for 1972 were obtained from a 100-percent mail and telephone canvass of all primary processors of wood conducted during 1973. Industry contacts for the 1972 survey were based on a mill list from the 1968 survey, updated with the assistance of the California Division of Forestry.

As the survey represents a 100-percent canvass, no sampling error is involved. The information collected from each mill is assumed to be the most reliable and best available. Where possible, the data came from records; in some instances, however, estimates were made by mill officials. Information for individual mills is strictly confidential; information that could reveal critical detail of individual operations has been combined with other data to avoid disclosure.

In the tables, "--" indicates the value is either "0" or not available.

ACKNOWLEDGMENTS

Grateful thanks are given to the mill owners and operators who gave freely of their time in order to provide the data for this report, and to the major forest industry associations for their support of this study. Special acknowledgment is made of the following for their assistance:

- Division of State and Private Forestry, U.S. Forest Service, Region 5, for their interest and financial assistance in making this survey possible.
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THE FOREST INDUSTRY IN PERSPECTIVE

The California forest industry^{1/} as it exists today is the product of dramatic post-World War II changes. Before World War II, the industry consisted almost entirely of sawmills, depending primarily upon redwood and pines for their raw material supply. Responding to the post-War building boom and local population growth, the sawmill industry increased rapidly--from 450 to almost 1,000 mills during 1945-48.

Before 1947, there was no significant plywood production in California. However, from 1947 the industry increased production from 20 million square feet (3/8-inch basis) to a peak of 1,305 million square feet in 1964 (fig. 1). Up to 1964, the industry relied almost entirely on Douglas-fir for its raw material supply.

A large share of the Douglas-fir timber was located on the small private holdings in the North Coast area. However, by the midfifties, much of this land had been cut over, and the sawmill and plywood industries were faced with increased competition for a declining resource. Following a peak in 1959, lumber production declined, due to reduced availability of Douglas-fir. Although the plywood industry was able to outbid the sawmill sector for raw material, the effect of a continuing decline in Douglas-fir supplies was felt into the midsixties.

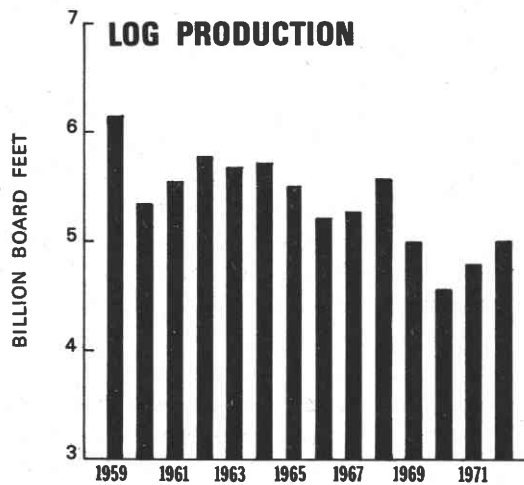
^{1/} Comprised of the lumber and wood products and paper and allied products industries; also referred to as the "forest products industries" or the "timber industries." The term "mill" is used for all types of primary processing plants, although it is recognized that some are better described by other terms, such as export operations or facilities and pole and piling yards.

Major pulp production in California began in 1948 with the construction of a mill in the San Francisco area. Construction of a hardboard plant in 1951 marked the first board production in the State. Relying almost entirely on residues from the sawmill and plywood industries, the pulp and board industry has grown steadily. In 1972, California produced about 700,000 tons of wood pulp.

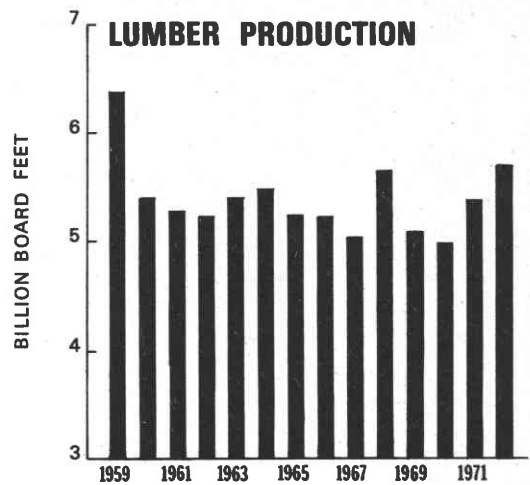
Recent trends in the California forest industry have been toward fewer but larger sawmills, increasing production in the board industry, and more complex processing operations. A major result of these changes is a degree of diversification in the forest industry not found before World War II. However, the industry is still dominated by the sawmill sector (fig. 2).

California is a major producer of many wood products. In 1972, California produced 5.6 billion board feet of lumber, 15 percent of the Nation's total.^{2/} However, about 18 percent of the Nation's softwood lumber comes from the State. California ranks third nationally in plywood production, with just less than 6 percent of the total. In 1972 California produced about 2 percent of the Nation's total wood pulp. Particleboard and hardboard production for that year were about 8 percent and 6 percent, respectively, of the Nation's totals. The 1972 log harvest of 5.0 billion board feet was 8 percent of the Nation's total. In 1968, California accounted for almost 10 percent of the logs exported from the Western States; in 1972, this figure dropped to 3 percent. This is partially due to the dropoff in redwood exports and foreign demand, but also the relative increase in exports from Oregon and Washington.

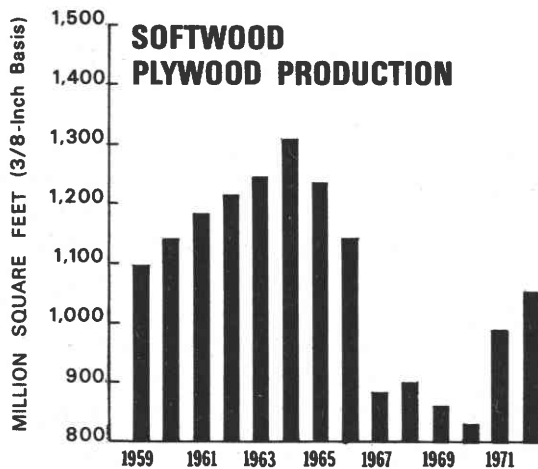
^{2/} Western Wood Products Association. 1972 Statistical Yearbook. 1973.



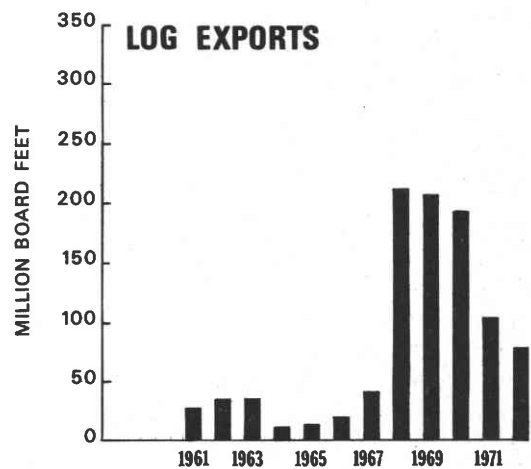
SOURCE: California Division of Forestry



SOURCE: Bureau of Census



SOURCE: American Plywood Association



SOURCE: U.S. Department of Commerce

Figure 1.--Output of major timber products in California, 1959-72.

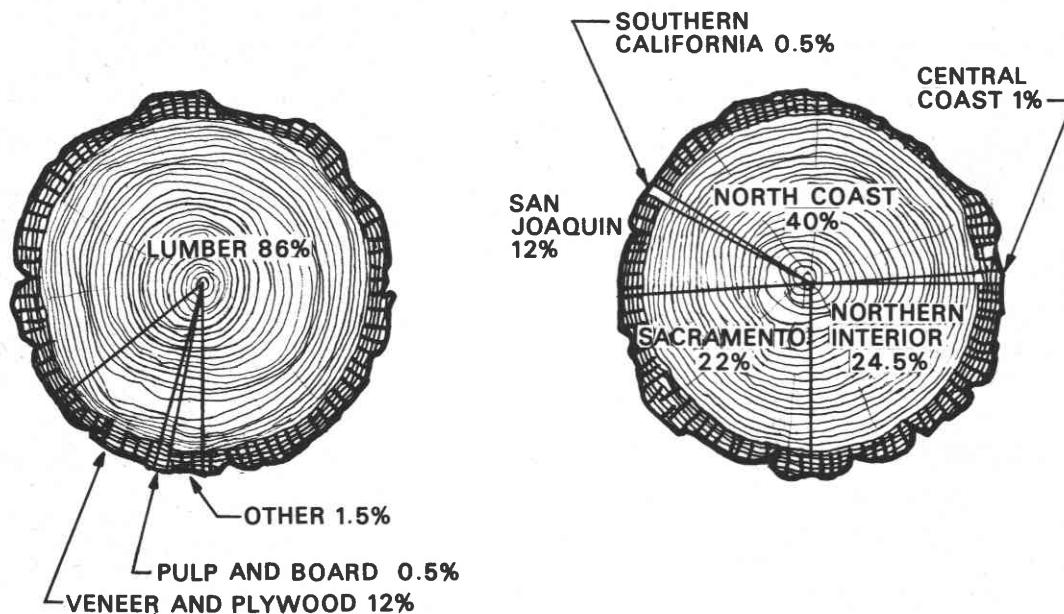


Figure 2.--Distribution of roundwood consumption by industry and area, 1972.

The forest industry has long been an important part of the State's economy. In 1972, the industry employed an average of 86,700 people, with an annual payroll over \$800 million.^{3/} The industry accounted for about 5 percent of all manufacturing employment and just over 4 percent of the manufacturing payrolls. The industry's contribution extends beyond this in the form of payment of State and local taxes, and purchase of labor, services, and materials that generate income throughout the economy. The importance of the industry is felt more at local levels, particularly in the northern part of the State.

^{3/} California Department of Human Resources Development. California unemployment insurance reporting units by size, industry and county. Published quarterly.

Specific areas, such as Humboldt County, derive as much as 90 percent of their manufacturing employment from the timber industry. In some towns, the forest industry may represent the only nonservice employment. However, urban areas with large service sectors rely very little on employment from primary processing of wood, although secondary manufacturing may be of greater importance.

California has been divided into two timber producing regions--Coastal and Interior (fig. 3). The Coastal Region consists of the counties west of the crest of the Coast Ranges, from Monterey County to the Oregon border. This region contains all of the coastal redwood forests, as well as extensive stands of Douglas-fir.

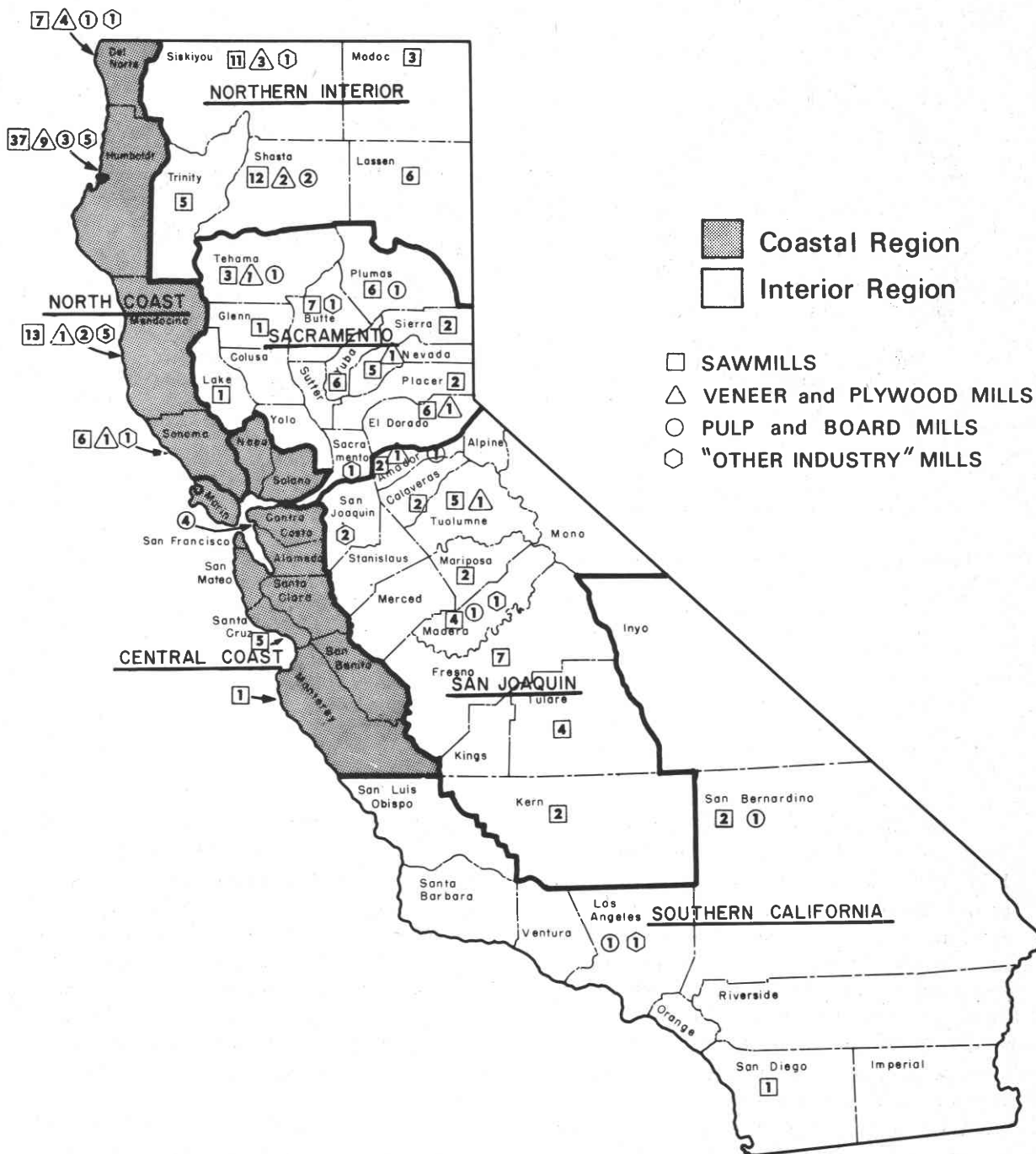


Figure 3.--Number of mills by wood producing regions and resource areas.

Within this region are two resource areas, defined by the nature of their timber resource and timber trading patterns. The North Coast is the most important timber producing area in California, as well as the center for redwood and Douglas-fir processing (fig. 2). The industry of the North Coast is the most diversified in California, with all types of primary wood processing represented (fig. 3). The forest industry of the Central Coast is not nearly as significant, having limited timber resources. However, four of the State's pulpmills^{4/} are located in the Central Coast area.

The Interior Region is divided into four resource areas, covering a wide

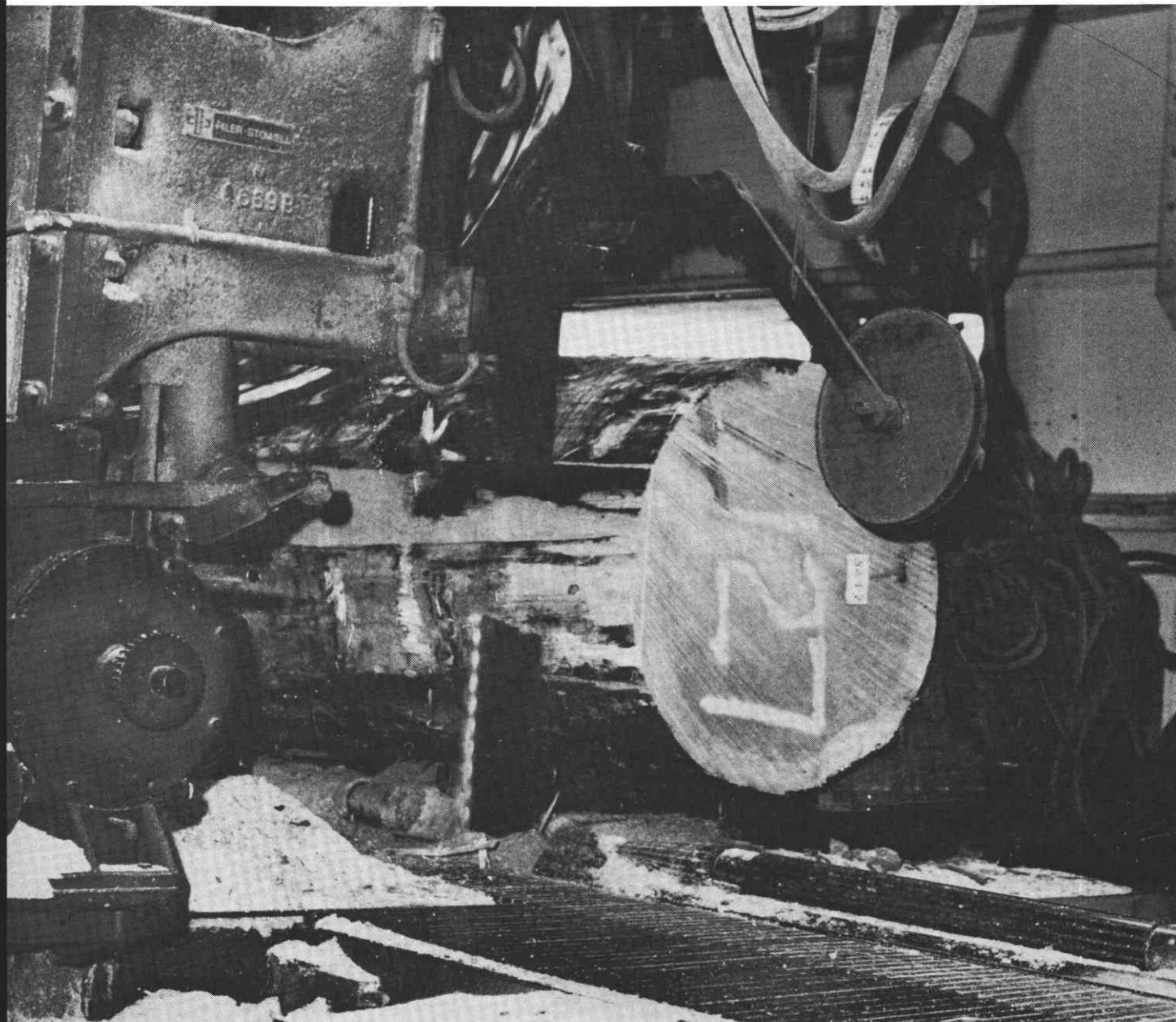
^{4/} Each pulp or board process at a location is considered to be a "mill."

diversity of forest types, including pines, incense-cedar, Douglas-fir, true firs, and a mixed-conifer type. The importance of the forest industry and resource decreases from north to south. The Northern Interior, Sacramento, and San Joaquin areas are major timber producers, and support a significant industry. The forest industry in the southern California area is very limited in size, supported by a relatively small timber resource base.

The forest industry of the Interior Region is less diversified than that of the Coastal Region. Sawmills comprise about 81 percent of its industry, compared with 65 percent for the Coastal Region. This situation has been changing gradually.

THE CALIFORNIA FOREST INDUSTRY

Characteristics



FOREST INDUSTRY CONCENTRATED IN THREE NORTHERN RESOURCE AREAS

The major portion of the California forest industry is located in the three northernmost resource areas (North Coast, Northern Interior, and Sacramento), which contain about 81 percent of the State's sawtimber resource,^{5/} including nearly all of the redwood timber. Almost 80 percent of all mills identified in this survey were in these areas. These mills accounted for 86 percent of the total roundwood consumption for the State.

HUMBOLDT COUNTY RANKS FIRST IN SIZE OF FOREST INDUSTRY

In 1972, Humboldt County led all counties in roundwood consumption with 1,222 million board feet, 22 percent of the State's total. Over one-fifth of all operating mills are located in the county.

^{5/} Daniel D. Oswald. California forest industries--prospects for the future. USDA Forest Service Resource Bulletin PNW-35, 55 p., illus. Pacific Northwest Forest and Range Experiment Station, Portland, Oreg., 1970.

The nine veneer and plywood mills in the county account for 59 percent of the State's capacity. Humboldt County also has 25 percent of the sawmill capacity, and 28 percent of the pulp and board industry capacity. In addition, seaports located in the county account for most of the State's log exports.

INDUSTRY EXPANDING IN SAN JOAQUIN AREA

Since 1968, the forest industry of the San Joaquin area has increased from 31 to 35 mills. As shown below, this area was the only one of the six resource areas to expand in number of mills during this period.

In 1972, the San Joaquin area forest industry processed over 565 million board feet of roundwood, a 21-percent increase since 1968. This was the only area to show a major increase in log consumption during that time period. The timber resource of the San Joaquin area has not been utilized to the extent of that in the areas to the north. Thus, the recent growth of the industry may represent a trend of increased use of the timber resources of the San Joaquin area, at least for the short run.

Industry	North Coast		Central Coast		Northern Interior		Sacramento		San Joaquin		Southern California	
	1968	1972	1968	1972	1968	1972	1968	1972	1968	1972	1968	1972
Lumber	86	63	7	6	45	37	44	39	29	28	5	3
Veneer and plywood	17	15	0	0	5	5	3	3	1	2	0	0
Pulp and board	5	6	5	4	3	2	2	2	0	2	2	2
Other	8	12	4	0	0	1	3	2	1	3	0	1
Total	116	96	16	10	53	45	52	46	31	35	7	6

INDUSTRY CAPACITY UP SINCE 1968

As shown below, the capacity for all the major forest industries has increased since 1968:

	1968	1972
Sawmills (8-hour shift; thousand board feet)	16,069	16,552
Veneer and plywood (8-hour shift; thousand square feet, 3/8-inch basis)	3,569	3,973
Pulp (daily; tons, dry weight)	2,380	2,598
Particleboard (annual; million square feet, 3/4-inch basis)	239	314
Hardboard (annual; million square feet, 1/8-inch basis)	330	380

The largest increase has been in the board industry, where particleboard and hardboard increased 31 percent and 15 percent, respectively. The plywood and pulp industries both grew approximately 10 percent, while the sawmill sector grew only 3 percent in capacity. An increase in the per-mill capacity within the sawmill sector was offset by a decline in the number of mills.

SAWMILLS CONSTITUTE LARGEST SEGMENT OF INDUSTRY

Historically, sawmilling has been the major activity of the forest industry in California. Although the other sectors of the industry have grown rapidly since World War II, in 1972 the lumber industry accounted for 86 percent of all roundwood consumed in the State. Total production

was down somewhat from 1956⁶ but has not changed since the last survey in 1968. The 176 operating sawmills processed 4,695 million board feet of logs in 1972, producing almost 5.4 billion board feet of lumber, 15 percent of the Nation's total.

The plywood industry ranks second in terms of number of mills, followed by the pulp and board industry. The sawmill and plywood industries account for almost 98 percent of the roundwood consumption in California.

TREND TOWARD FEWER BUT LARGER SAWMILLS CONTINUES

Following World War II, the demand for lumber rose dramatically to fulfill the needs of a booming economy. In response to this demand, many sawmills of low capacity entered the industry; by 1948 there were almost 1,000 sawmills. Due to increased competition for timber and inefficiency in the size of their operation, many of these mills either shut down or were replaced by larger mills. As shown below, the total number of mills has continued to decline; however, there are more mills in the largest size class.

As these data indicate, the number of mills consuming less than 5 million board feet of logs per year has decreased 90 percent since 1956, while the number consuming over 50 million board feet has more than doubled. In 1956, almost 60 percent of the logs were processed by mills in the two smaller size classes, compared with less than 20 percent in 1972.

⁶/ R. H. May and H. L. Baker. Output of timber products in California, 1956. California Forest and Range Experiment Station Forest Survey Release No. 35, 35 p. 1958.

Annual consumption class (million board feet)	1956		1962		1968		1972	
	Number	Volume consumed	Number	Volume consumed	Number	Volume consumed	Number	Volume consumed
		<i>Million board feet</i>		<i>Million board feet</i>		<i>Million board feet</i>		<i>Million board feet</i>
50.0+	12	800	10	864	18	1,364	28	2,044
25.0 - 49.9	49	1,711	49	1,791	55	2,061	52	1,748
5.0 - 24.9	231	2,721	133	1,725	91	1,244	59	863
0.001 - 4.9	382	609	83	119	52	63	37	40
All classes	674	5,841	275	4,499	216	4,732	176	4,694

The mills in the category 50-million-plus board feet per year have increased their consumption from 14 to 44 percent of the total.

In addition to the trend toward larger mills, there has been a substantial degree of aggregation of separate mills into one ownership.

NUMBER OF MILLS IN VENEER AND PLYWOOD INDUSTRY RELATIVELY STABLE

Since 1968, there has been a net loss of one mill in the veneer and plywood industry, indicating a degree of stability that had not existed previously. The industry had grown rapidly from 1947 to 1964, when the peak production was reached, and then gradually declined to the present number.

Although the number of mills has changed very little since 1968, log consumption has increased almost 20 percent, to 645 million board feet in 1972. This represents an increase in the average log consumption per mill, from 21 million to 26 million board feet.

ONLY BOARD INDUSTRY SHOWS INCREASED NUMBERS OF MILLS SINCE 1968

Since 1968, the number of board

plants in California has increased from five to eight; at the same time the pulp sector declined by two. The new board plants were particleboard operations, two in the San Joaquin area and one in the North Coast area. The number of hard-board plants remained at one. Both pulpmill losses were groundwood operations. Although the number of pulp operations decreased, the daily capacity increased 11 percent.

ONLY 19 OPERATIONS IDENTIFIED IN "OTHER INDUSTRY" SECTOR

There were 19 operations identified in the "other industry" sector, which include export, shake and shingle, and post, pole, and piling industries. These operations accounted for less than 2 percent of the total roundwood consumption in the State. The total 1972 consumption of 92 million board feet was less than half of the 1968 figure. The major factor was the drop in log exports from 212 million board feet in 1968 to 75 million board feet in 1972. The entire shake and shingle industry and most of the log exports were located in the North Coast area. However, the post, pole, and piling industry is scattered throughout the State.

Wood Consumption



**TOTAL ROUNDWOOD
CONSUMPTION FOR 1972
EXCEEDS 5.4 BILLION
BOARD FEET**

In 1972 the forest industry consumed a total of 5.45 billion board feet of roundwood, about the same as in 1962 and 1968. As in the past, the lumber industry was the major user of roundwood, consuming 86 percent, followed by the veneer and plywood industry, with 12 percent (fig. 2). The North Coast area accounted for 40 percent of total consumption, followed by the Northern Interior and Sacramento areas, with 24.5 and 22 percent, respectively. Since the 1968 survey, the plywood industry has increased its roundwood consumption 19 percent. However, consumption by the "other industry" sector decreased 55 percent. The pulp and board industry used only 20 million board feet of logs, less than one-half of 1 percent of the total.

**LOG EXPORT VOLUME
DOWN 64 PERCENT
SINCE 1968**

In 1968, log exports in California amounted to 212 million board feet; by 1972 exports had dropped to 76 million board feet, a decrease of 64 percent. This decline in log exports was preceded by a more dramatic increase between 1966 and 1968, when export volume went from 22 million board feet to 212 million board feet. A factor in this rapid rise and fall in export volume is the fluctuation in the demand for redwood logs. In the 1960's, what appeared to be a viable new market opened up in Japan for young-growth redwood logs, and filling this demand spurred exports to the 1968 peak. However, the demand for redwood was apparently short lived. In 1972 only 7.8 million board feet of redwood was exported, about 10 percent of the total exports.

**HUMBOLDT, SISKIYOU,
AND MENDOCINO
COUNTIES LEAD
ROUNDWOOD CONSUMPTION**

The forest industry of Humboldt County is the leader in log consumption, accounting for over one-fifth of the State's log consumption in 1972. Siskiyou County was second, using 548 million board feet, followed by Mendocino County, with 510 million board feet. The fourth leading county was Shasta, with 432 million board feet. These four counties account for 50 percent of the total roundwood consumption in California.

Humboldt County was also the leading producer of logs, a position it has held since the early days of the industry. Logs originating in Humboldt County amounted to 1,079 million board feet, over twice that of the next largest producer, Mendocino County. About 93 percent of the logs originating in the county were used by industry within the county.

**PLYWOOD INDUSTRY
LESS DEPENDENT ON
DOUGLAS-FIR LOGS**

Since its beginning, the plywood industry depended heavily on the Douglas-fir resource. However, as the supply of Douglas-fir decreased and the competition for the remaining resources increased, the industry had to turn elsewhere for its log input. In 1962, 88 percent of the industry's input was Douglas-fir. In 1972, the industry relied upon other species, primarily true firs, redwood, and pines, for almost 38 percent of its log supply. The tightening of the supply of Douglas-fir has also had an effect on the location of the industry. In 1962, just before the peak production of the industry, there were 39 mills in the State, 28 in the Coastal area and 11 in the Interior. In

1972, there were 15 mills in the Coastal area, and 10 in the Interior. Although additional changes have occurred during this time period, these data do point to the relative strengthening of the industry in areas where the supply of true firs, pines, and even Douglas-fir is less restricting.

USE OF DOUGLAS-FIR ROUNDWOOD CONTINUES TO DECREASE

Between 1946 and 1956, the volume of Douglas-fir used by the forest industry more than doubled. A large reserve of old-growth Douglas-fir stands existed on private ownership in the Coastal area. These stands had previously been untapped, redwood was predominately used. The post-World War II boom sharply increased demands for wood products, and these stands provided much of the resource base for increased lumber production and the new plywood industry. However, by the late 1950's, heavy cutting had greatly reduced the Douglas-fir reserves.

As the figures below show, the proportion of Douglas-fir used by the industry has decreased steadily since 1956.

Log consumption (percent)

Year	Douglas- fir	True firs	Red- wood	Pines	Other
1946	19	15	10	53	3
1956	40	12	18	24	6
1962	38	15	17	23	7
1968	32	22	18	24	4
1972	27	22	19	25	7

In 1956, the forest industry consumed 2,452 million board feet of Douglas-fir logs; in 1972, this figure had dropped to 1,467 million board feet, a 40-percent decrease.

USE OF YOUNG-GROWTH TIMBER INCREASING

In 1972, the forest industry used 290 million board feet of young-growth logs, or about 24 percent, more than in 1968. Young-growth timber now accounts for almost 28 percent of the total roundwood consumption.

There are two areas of the State where the use of young growth exceeds old growth. One area includes the coastal counties from San Francisco northward through Mendocino County. This area was logged from the earliest days of settlement in California. The resulting young-growth stands now supply a major share of the area's logs. In 1972, the sawmills in this area used 127 million board feet more of young growth than old growth. The other area of the State heavily dependent on young-growth timber is the mining region of the northern Sierra Nevada. The forests of this area had been heavily cut for mining and settlement purposes during the mid- to late-1800's. During this period, and into the early 1900's, the area also was severely burned. In the 7-year period from 1932 to 1938, fires burned more than 363,000 acres.^{7/} The result was the liquidation of large areas of timber which are replaced by new stands of timber or brush. In 1972, the industry in two counties within this area, Butte and El Dorado, consumed more young-growth timber than old-growth; this trend will increase in this area and throughout the State, as the old-growth timber is gradually removed.

^{7/} David Weeks, A. E. Wieslander, H. R. Josephson, and C. L. Hill. Land utilization in the northern Sierra Nevada. University of California, Berkeley. 127 p., 1943.

FIFTY-SIX PERCENT OF LOGS COME FROM PRIVATE LANDS

In 1972, consumption of logs from private lands totaled 3.1 billion board feet, 56 percent of the total volume used by the forest industry. This proportion is virtually the same as indicated by the 1968 survey. However, as the data below show, some change occurred within the private ownership sector.

	1968	1972
	(Percent)	
National Forest	40	41
Other public ^{8/}	4	3
Forest industry:		
Own lands	27	31
Other lands	9	8
Farmer and miscella- neous private	20	17

The shift in log consumption from miscellaneous private ownership lands to forest industry is partly explained by changes in ownership. Since 1968 a large block of forest land in the Northern Interior area has changed hands from miscellaneous private to forest industry. Thus, even though the logs may be coming from the same acreage as in 1968, the ownership classification has changed. Largely due to this change, log consumption from the miscellaneous private lands decreased over 50 percent in the Northern Interior. However, the remainder of the State showed an increase in logs coming from private ownership.

In 1972, the forestry industry used 2,231 million board feet of logs from National Forest land, of which 367 million board feet came from the Shasta-Trinity

^{8/} Primarily Indian tribal lands, but also includes miscellaneous Federal and municipal lands.

National Forest. The next three largest producers of logs were the Plumas, Klamath, and Lassen National Forests. These four Forests accounted for 47 percent of the logs originating on National Forest lands. Sawmills used 90 percent of the National Forest logs; the plywood industry used almost 10 percent, with the remaining volume consumed by the remaining industries.

MILL RESIDUES CONSTITUTE 92 PERCENT OF INPUT TO PULP AND BOARD INDUSTRY

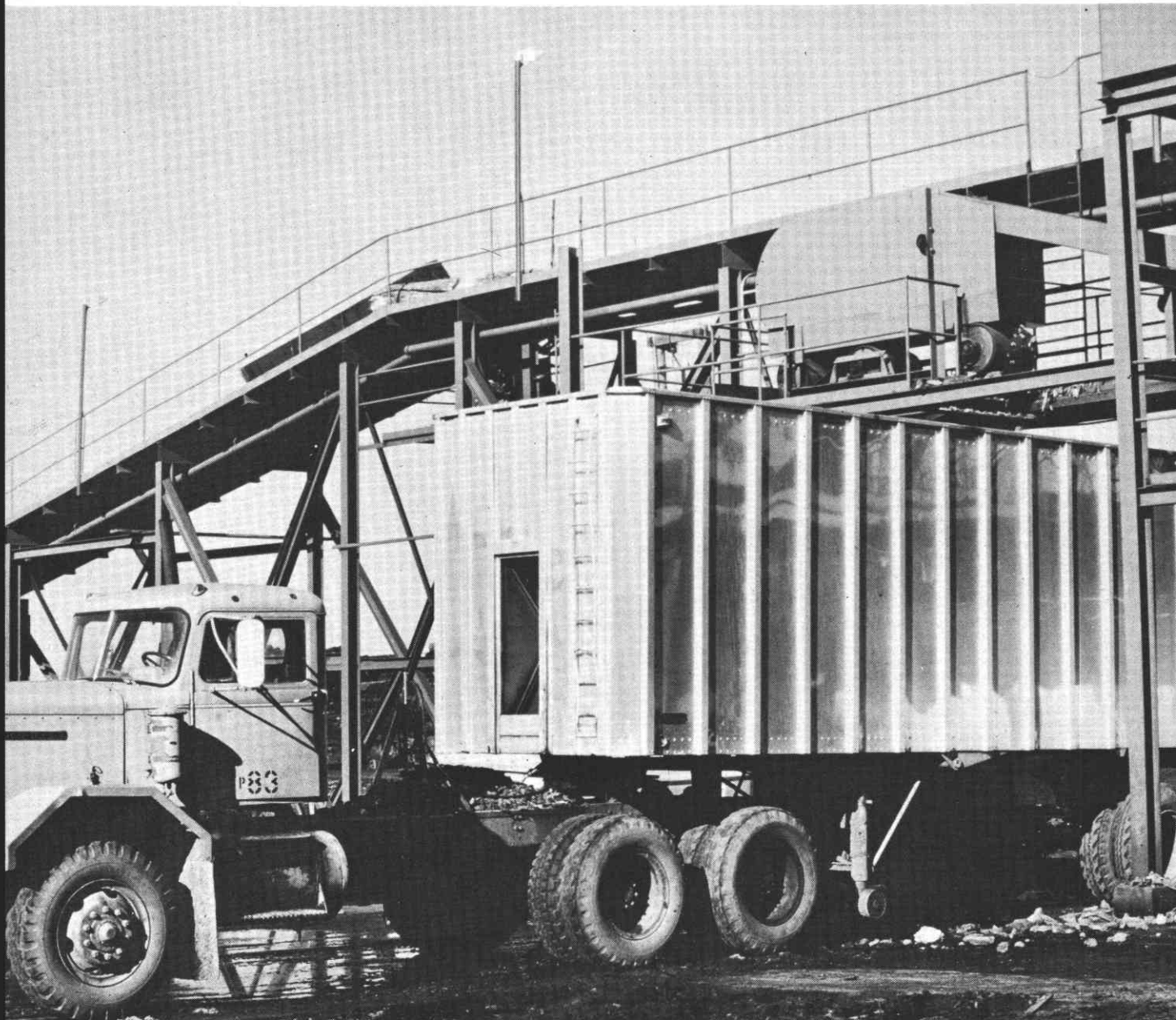
In 1972, the pulp and board industry consumed 2,360,161 tons of wood fiber, 92 percent of which was residues from primary manufacture of logs. Logs chipped by the mills themselves amounted to 40,000 tons, while wood fiber from other sources totaled 152,000 tons. This latter figure is comprised of residues from secondary manufacturing, dunnage, pallets, etc., and represents a major increase in the use of these dry wood inputs. The low volume of logs used by the industry indicates that other sources of wood fiber are more readily available.

PULP AND BOARD INDUSTRY DOUBLES USE OF SAWDUST AND SHAVINGS

The use of sawdust and shavings has increased 127 percent since 1968--from 190,658 tons to 433,527 tons annually.^{9/} This increase accounted for almost 60 percent of the total increase in wood fiber consumption between 1968 and 1972. This additional volume of sawdust and shavings used by the industry resulted from wider use of these materials by the pulpmills and an increase in the number of particleboard plants, major users of these fine residues.

^{9/} These figures contain an insignificant volume of bark.

Mill Residues



**FOREST INDUSTRY
RESIDUES TOTAL
7.7 MILLION TONS**

In 1972, the forest industry created 7,682,991 tons of mill residue during primary manufacture from logs. Wood residues amounted to 6.0 million tons and bark residue, 1.7 million tons. Almost 89 percent of the residue resulted from sawmilling, while 11 percent was produced by the manufacture of veneer and plywood. A very small amount, 1,910 tons, was produced by the shake and shingle industry. The industry in the North Coast area accounted for almost 43 percent of the total residue in the State.

**OVER 80 PERCENT OF
WOOD RESIDUE IS USED**

Of the 5,953,000 tons of wood residue generated by the forest industry, 4,817,000 or 81 percent was used for various purposes. This represents a 23-percent increase in the use of wood residue since the 1968 survey. Producing mills sent 51 percent of the wood residue to the pulp and board industry. This figure includes export chips and residues used by the pulp and board plants as boiler fuel as well as input into the manufacturing process. Also included is residue sent to the Oregon pulp and board industry. Nearly 23 percent of the wood residue was used for fuel by the producing mill, or sold for that purpose. An additional 7 percent was used for a wide variety of purposes. The remaining 19 percent was not used, generally being burned or used as landfill.

**HALF OF BARK
RESIDUE IS USED**

In 1972, bark residue created during the primary processing of logs totaled 1,730,000 tons. Nearly half of this,

860,000 tons, was used for various purposes. In 1968, only 31 percent of the bark had been used; thus the 1972 figures show a 60-percent increase in the use of bark. About half of the 860,000 tons of bark was used for fuel, and the other half was used for miscellaneous purposes such as mulch, animal bedding, gardening, and landscaping.

**RESIDUE FROM
PLYWOOD INDUSTRY
HAS GREATEST USE**

As the figures below indicate, the use of mill residues is greatest in the plywood industry.

<u>Industry</u>	<u>Wood residues</u>		<u>Bark residues</u>	
	<u>Used</u>	<u>Unused</u>	<u>Used</u>	<u>Unused</u>
	- - - - - Percent - - - - -			
Lumber	79	21	49	51
Plywood	95	5	53	47
Shake and shingle	72	28	28	72
All industries	81	19	50	50

The plywood industry created 667,000 tons of residue in 1972. Nearly 500,000 tons were sent to pulpmills and boardmills or exported. Another 140,000 tons were used for fuel and miscellaneous purposes, including lumber manufacture from cores. The total usage of 95 percent is well above the 77 percent reported in 1968.

The physical characteristics of the plywood industry might possibly explain this relatively high usage of mill residues. Three factors stand out: (1) the veneer and plywood mills are concentrated in the same areas as are the pulpmills and boardmills, major users of the mill residues; (2) many of the veneer and plywood mills tend to be larger operations than those of the other industries, thus having residue in more economic packages, and (3) many

of the plants are part of a larger, diversified milling complex, thereby creating better access to residue markets. Whatever the reason, the current situation indicates little room for expansion in the use of plywood mill residues, although some tradeoff in uses may occur.

USE OF WOOD RESIDUES FROM LARGE SAWMILLS GREATER THAN SMALL SAWMILLS

As the data below indicate, there is a positive correlation between the size of a sawmill and the percent utilization of the residue it generates. In general, the larger the mill, the greater the proportion of the residue used. Basically, the larger mills generate residue in larger amounts, which facilitates marketing or internal

use. A mill creating only a low tonnage of residue annually cannot afford the investment necessary to use the residue for fuel, and likewise does not have the volume to attract outside buyers. The smaller mills did, however, make the greatest gains in residue use since 1968. This attests to the decreasing availability of unused residues from the larger mills, and the continuation of the trend toward greater utilization of mill residues.

Board-foot capacity per 8-hour shift	Percent of residue used	
	1968	1972
120,000+	82	86
80,000-119,999	62	77
40,000-79,999	39	52
Less than 40,000	16	44
All mills	64	79

APPENDIX

Measurement Units

Industries in the survey were requested to provide information on the type of scale they used for measuring their roundwood input. A summary of the reported log scales is shown below.

Industry	Number of reported uses	
	Scribner	Other
Lumber	164	16
Veneer and plywood	25	2
Pulp and board	2	--
Other	<u>9</u>	<u>2</u>
All industries	200	20

Most of the mills using logs reported their roundwood consumption in Scribner. The major exception occurred in the North Coast area where Humboldt and Spaulding scales were used by mills processing redwood. The total number of reported uses does not equal the total number of mills, because some mills reported the use of more than one scale, and some mills did not process logs. Other types of measurement units used are: cords, bolts, shake blocks, pieces, tons, cunits, and lineal feet.

All board-foot log volumes are reported in "local scale." No attempt was

made to account for variations in scaling standards or to convert to a common scale.

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

1 cord = 500 board feet
1 ton = 500 board feet
10.5 squares = 1,000 board feet
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.

Factors to convert to metric units

1,000 cubic feet = 28.317 cubic meters
1 ton (2,000 lbs.) = 907.184 kilograms
1 square foot = 0.092903 square meter
1,000 square feet, 3/8-inch basis = 92.903 square meters, 0.9525 centimeter basis

Mill Residues

In this study no attempt was made to get individual mills to quantify the amount of residue produced. The reason for this was that although mills might be able to specify amounts of residue sold for high value uses, such as pulp chips, the lower value uses such as mulch or fuel are difficult to quantify. Therefore, the mills were asked to indicate only the percentage distribution of the disposal of their residues. These percentages were then applied to residue estimates derived through use of the following factors:

Softwood sawmill residue, redwood and incense-cedar^{1/}

Average quantity of residues developed from producing 1,000 board feet of lumber

<u>Item</u>	<u>Dry weight</u> (Tons)
Wood residue:	
Slabs, edgings, and trim	0.711
Sawdust	.225
Planer shavings	<u>.154</u>
Total wood residue	1.090
Bark	<u>.300</u>
All residue	1.390

^{1/} Based on data from California mills from mill-scale studies made by the U. S. Forest Service.

Softwood sawmill residue, white woods^{2/}

Average quantity of residues developed from producing 1,000 board feet of lumber

<u>Item</u>	<u>Dry weight</u> (Tons)
Wood residue:	
Slabs, edgings, sawmill trim	0.508
Planer trim	.038
Sawdust	.279
Planer shavings	<u>.203</u>
Total wood residue	1.028
Bark	<u>.285</u>
All residue	1.313

^{2/} Based on data from Oregon mills compiled by Oregon State University School of Forestry in 1967. Dry weights adjusted for different species mix utilized in California, primarily ponderosa pine and Douglas-fir.

Softwood plywood residue^{3/}

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

<u>Item</u>	<u>Solid volume^{4/}</u> (Cubic feet)	<u>Dry weight</u> (Tons)
Wood residues:		
Log trim	3.4	0.046
Cores	3.7	.050
Veneer clippings, roundup, and spur trim	18.5	.250
Dry trim and layup loss	6.5	.088
Sander dust	<u>1.6</u>	<u>.021</u>
Total wood residue	33.7	.455
Bark	<u>8.8</u>	<u>.132</u>
All residue	42.5	.587

^{3/} Based on data compiled by Oregon State University School of Forestry from Oregon mills in 1967. Because of the similarity of species used and mills, no adjustment was made in applying these data to California.

^{4/} Based on equivalent green volume.

Shingle mill residues^{5/}

Average quantity of residue developed in utilizing 1,000 board feet of logs, Scribner scale, or in producing the equivalent volume of 10.5 squares

<u>Shake and shingle residue</u>	<u>Solid volume</u> (Cubic feet) (Percent)		<u>Dry weight per MBM</u> (Tons)
Shingles:			
Coarse	23	13.7	0.22
Fine	78	46.8	.75
Bark	19	11.5	.28
Shakes:			
Coarse	23	13.7	.22
Fine	24	14.5	.23
Bark	19	11.5	.28
Shingle and shake:			
Coarse	23	13.7	.22
Fine	51	30.6	.49
Bark	19	11.5	.28

^{5/} From information provided by the Red Cedar Shingle Bureau.

TABLES

Table 1.--Number of mills in the forest industry by industry and resource area, California, 1972

Resource area	All industries	Industry					
		Lumber	Veneer and plywood	Pulp and board ^{1/}	Other		
					Shake and shingle	Export ^{2/}	Posts, poles and piling
North Coast	96	63	15	6	7	4	1
Central Coast	10	6	--	4	--	--	--
Northern Interior	45	37	5	2	--	--	1
Sacramento	46	39	3	2	--	1	1
San Joaquin	35	28	2	2	--	1	2
Southern California	6	3	--	2	--	--	1
All areas	238	176	25	18	7	6	6

^{1/} Each pulping process at a location is considered an individual mill.

^{2/} Represents the number of identifiable operations involved in the export trade.

Table 2.--Wood consumption by mills by type of material, resource area, and industry, California, 1972

Resource area and industry	Roundwood				Other ^{1/}	Residue ^{2/}
	All roundwood	Sound logs		Utility logs		
		Live	Dead			

-----Thousand board feet, local scale-----Tons

North Coast:						
Lumber	1,711,303	1,592,884	9,730	108,689	24,143	--
Veneer and plywood	393,290	327,009	45,554	20,727	--	--
Pulp and board	6,000	--	--	6,000	--	1,443,883
Shake and shingle	2,676	605	551	1,520	--	--
Total	2,113,269	1,920,498	55,835	136,936	24,143	1,443,883
Central Coast:						
Lumber	42,720	42,520	--	200	--	--
Pulp and board	14,077	--	--	14,077	--	494,638
Total	56,797	42,520	--	14,277	--	494,638
Northern Interior:						
Lumber	1,187,630	1,139,459	23,804	24,367	2,391	--
Veneer and plywood	150,565	140,943	1,500	8,122	--	--
Pulp and board ^{3/}	--	--	--	--	--	306,016
Total	1,338,195	1,280,402	25,304	32,489	2,391	306,016
Sacramento:						
Lumber	1,161,580	1,134,059	17,098	10,423	--	--
Veneer and plywood ^{4/}	101,253	100,912	341	--	--	--
Pulp and board ^{3/}	--	--	--	--	--	--
Total	1,262,833	1,234,971	17,439	10,423	--	--
San Joaquin:						
Lumber	565,062	555,146	2,844	7,072	--	--
Veneer and plywood ^{4/}	--	--	--	--	--	--
Pulp and board ^{3/}	--	--	--	--	--	75,470
Total	565,062	555,146	2,844	7,072	--	75,470
Southern California:						
Lumber	26,516	25,171	1,345	--	--	--
Pulp and board ^{5/}	--	--	--	--	--	--
Total	26,516	25,171	1,345	--	--	--
All areas:						
Lumber	4,694,811	4,489,239	54,821	150,751	26,534	--
Veneer and plywood	645,108	568,864	47,395	28,849	--	--
Pulp and board	20,077	--	--	20,077	--	2,320,007
Shake and shingle	2,676	605	551	1,520	--	--
Export ^{6/}	75,665	75,665	--	--	--	--
Post, pole, and piling ^{6/}	13,378	13,136	--	242	1,325	--
Total	5,451,715	5,147,509	102,767	201,439	27,859	2,320,007

^{1/} Includes peeler cores, cants used by sawmills, blocks, boards, bolts used by shake and shingle mills, and miscellaneous peeled products used by pole, post, and piling mills.

^{2/} Includes residues from the sawmill, veneer and plywood, and shake and shingle industries, plus chips from roundwood chipping plants.

^{3/} Sacramento and Northern Interior combined to avoid disclosure.

^{4/} San Joaquin and Sacramento combined to avoid disclosure.

^{5/} Southern California and San Joaquin combined to avoid disclosure.

^{6/} All resource areas combined to avoid disclosure.

Table 3.--Log flows to mills by State of origin, resource area,
and industry, California, 1972

(Thousand board feet, local scale)

Resource area and industry	Origin		
	Total	California	Oregon
North Coast:			
Lumber	1,711,303	1,707,511	3,792
Veneer and plywood	393,290	386,167	7,123
Pulp and board	6,000	6,000	--
Shake and shingle	2,676	2,216	460
Total	2,113,269	2,101,894	11,375
Central Coast:			
Lumber	42,720	42,720	--
Pulp and board	14,077	14,077	--
Total	56,797	56,797	--
Northern Interior:			
Lumber	1,187,630	1,185,110	2,520
Veneer and plywood	150,565	150,565	--
Pulp and board ^{1/}	--	--	--
Total	1,338,195	1,335,675	2,520
Sacramento:			
Lumber	1,161,580	1,161,580	--
Veneer and plywood ^{2/}	101,253	101,253	--
Pulp and board ^{1/}	--	--	--
Total	1,262,833	1,262,833	--
San Joaquin:			
Lumber	565,062	565,062	--
Veneer and plywood ^{2/}	--	--	--
Pulp and board ^{3/}	--	--	--
Total	565,062	565,062	--
Southern California:			
Lumber	26,516	26,516	--
Pulp and board ^{3/}	--	--	--
Total	26,516	26,516	--
All areas:			
Lumber	4,694,811	4,688,499	6,312
Veneer and plywood	645,108	637,985	7,123
Pulp and board	20,077	20,077	--
Shake and shingle	2,676	2,216	460
Export ^{4/}	75,665	75,665	--
Post, pole, and piling ^{4/}	13,378	10,782	2,596
Total	5,451,715	5,435,224	16,491

^{1/} Sacramento and Northern Interior combined to avoid disclosure.

^{2/} San Joaquin and Sacramento combined to avoid disclosure.

^{3/} Southern California and San Joaquin combined to avoid disclosure.

^{4/} All resource areas combined to avoid disclosure.

Table 4.--Log flows by county and out-of-State or

(Thousand board

Resource area and county of use	Total	North Coast				Central Coast				
		Del Norte	Humboldt	Mendocino	Sonoma	Marin	Monterey	San Mateo	Santa Cruz	So
North Coast:										
Del Norte	300,914	252,704	36,986	--	--	--	--	--	--	
Humboldt	1,221,654	101,842	1,003,036	3,688	--	--	--	--	--	
Mendocino	510,449	--	3,900	504,714	--	--	--	--	--	
Sonoma	135,419	--	2,437	11,037	116,895	144	--	--	--	
Total	2,168,436	354,546	1,046,359	519,439	116,895	144	--	--	--	
Central Coast:										
Contra Costa	14,077	--	--	3,660	--	--	--	--	--	
Monterey and Santa Cruz ^{1/}	42,720	--	--	--	--	--	200	10,250	32,270	
Total	56,797	--	--	3,660	--	--	200	10,250	32,270	
Northern Interior:										
Lassen	151,262	--	--	--	--	--	--	--	--	
Modoc	43,278	--	--	--	--	--	--	--	--	
Shasta	432,096	--	11,848	--	--	--	--	--	--	
Siskiyou	547,909	--	5,456	--	--	--	--	--	--	
Trinity	164,610	--	15,337	--	--	--	--	--	--	
Total	1,339,155	--	32,641	--	--	--	--	--	--	
Sacramento:										
Butte	129,857	--	--	--	--	--	--	--	--	
El Dorado	162,974	--	--	--	--	--	--	--	--	
Glenn, Lake, and Sacramento ^{1/}	48,600	--	--	--	--	--	--	--	--	
Nevada and PTacer ^{1/}	198,600	--	--	--	--	--	--	--	--	
Plumas and Sierra ^{1/}	290,617	--	--	--	--	--	--	--	--	
Tehama	231,341	--	--	--	--	--	--	--	--	
Yuba	134,728	--	--	--	--	--	--	--	--	
Total	1,196,717	--	--	--	--	--	--	--	--	
San Joaquin:										
Amador, Calaveras, and San Joaquin ^{1/}	177,162	--	--	--	--	--	--	--	--	
Fresno	83,310	--	--	--	--	--	--	--	--	
Madera and Mariposa ^{1/}	85,881	--	--	--	--	--	--	--	--	
Tulare and Kern ^{1/}	142,329	--	--	--	--	--	--	--	--	
Tuolumne	171,932	--	--	--	--	--	--	--	--	
Total	660,614	--	--	--	--	--	--	--	--	
Southern California:										
San Bernardino, Los Angeles, and San Diego ^{1/}	29,996	--	--	--	--	--	--	--	--	
Total	29,996	--	--	--	--	--	--	--	--	
All areas	5,451,715	354,546	1,079,000	523,099	116,895	144	200	10,250	32,270	

^{1/} Combined to avoid disclosure.

Source area, and county of use, California, 1972

(1 scale)

Northern Interior					Sacramento										
Ben	Modoc	Shasta	Siskiyou	Trinity	Butte	El Dorado	Glenn	Lake	Nevada	Placer	Plumas	Sierra	Tehama	Yolo	Yuba
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	32,521	80,567	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	1,535	--	--	--	300	--	--	--	--	--	--	--
--	176	--	--	--	--	126	--	4,173	--	--	--	--	--	136	--
--	176	--	32,521	82,102	--	126	--	4,473	--	--	--	--	--	136	--
--	--	--	--	--	845	--	--	--	--	--	3,660	563	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	845	--	--	--	--	--	3,660	563	--	--	--
42	15,131	--	5,500	--	--	--	--	--	--	--	35,489	--	--	--	--
--	43,278	--	--	--	--	--	--	--	--	--	--	--	--	--	--
21	8,010	219,137	34,463	67,272	--	--	--	--	--	255	--	--	7,990	--	--
848	20,291	58,065	441,431	18,298	--	--	--	--	--	--	--	--	--	--	--
--	--	8,352	3,442	137,479	--	--	--	--	--	--	--	--	--	--	--
111	86,710	285,554	484,836	223,049	--	--	--	--	--	255	35,489	--	7,990	--	--
--	--	1,500	--	--	56,170	901	4,250	--	187	--	61,636	164	2,212	--	1,341
--	--	--	--	--	--	156,661	--	--	1,158	3,000	--	--	--	--	--
--	--	--	--	--	--	630	45,000	1,500	525	315	--	--	--	--	--
--	--	--	--	--	--	14,190	--	--	38,858	103,920	7,800	33,482	--	--	350
457	3,597	--	--	--	--	--	--	--	1,990	430	168,929	78,288	32,926	--	--
--	--	15,908	--	43,764	25,368	--	27,720	--	--	--	20,296	--	98,285	--	--
--	--	--	--	--	18,814	--	--	--	13,205	17,340	29,051	28,309	--	--	28,009
457	3,597	17,408	--	43,764	100,352	172,382	76,970	1,500	55,923	125,005	287,712	140,243	133,423	--	29,700
--	--	--	--	--	--	61,004	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	61,004	--	--	--	--	--	--	--	--	--
278	--	766	1,392	1,044	--	--	--	--	--	--	--	--	--	--	--
278	--	766	1,392	1,044	--	--	--	--	--	--	--	--	--	--	--
846	90,483	303,728	518,749	349,959	101,197	233,512	76,970	5,973	55,923	125,260	326,861	140,806	141,413	136	29,700

Table 4.--Log flows by county and out-of-State origins, resource

(Thousand board feet)

Resource area and county of use	San Joaquin							
	Alpine	Amador	Calaveras	Fresno	Kern	Madera	Mariposa	Modoc
North Coast:								
Del Norte	--	--	--	--	--	--	--	--
Humboldt	--	--	--	--	--	--	--	--
Mendocino	--	--	--	--	--	--	--	--
Sonoma	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--
Central Coast:								
Contra Costa	--	--	--	--	--	--	--	--
Monterey and Santa Cruz ^{1/}	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--
Northern Interior:								
Lassen	--	--	--	--	--	--	--	--
Modoc	--	--	--	--	--	--	--	--
Shasta	--	--	--	--	--	--	--	--
Siskiyou	--	--	--	--	--	--	--	--
Trinity	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--
Sacramento:								
Butte	--	--	--	--	--	--	--	--
El Dorado	55	1,200	--	--	--	--	--	--
Glenn, Lake, and Sacramento ^{1/}	--	462	168	--	--	--	--	--
Nevada and Placer ^{1/}	--	--	--	--	--	--	--	--
Plumas and Sierra ^{1/}	--	--	--	--	--	--	--	--
Tehama	--	--	--	--	--	--	--	--
Yuba	--	--	--	--	--	--	--	--
Total	55	1,662	168	--	--	--	--	--
San Joaquin:								
Amador, Calaveras, ^{1/} and San Joaquin	--	37,698	62,167	--	--	2,268	3,990	--
Fresno	--	--	--	75,880	--	1,481	--	--
Madera and Mariposa ^{1/}	--	--	--	17,675	--	65,771	2,285	--
Tulare and Kern ^{1/}	--	--	--	22,812	15,239	--	--	--
Tuolumne	--	--	2,396	--	--	--	7,782	--
Total	--	37,698	64,563	116,367	15,239	69,520	14,057	1,
Southern California:								
San Bernardino, Los Angeles, and San Diego ^{1/}	--	--	--	--	7,377	--	--	--
Total	--	--	--	--	7,377	--	--	--
All areas	55	39,360	64,731	116,367	22,616	69,520	14,057	1,

^{1/} Combined to avoid disclosure.

and county of use, California, 1972--Continued

(all scale)

Sanislaus	Tulare	Tuolumne	Southern California			Out of State
			Riverside	San Bernardino	San Diego	
--	--	--	--	--	--	11,224
--	--	--	--	--	--	--
--	--	--	--	--	--	151
--	--	--	--	--	--	11,375
--	--	5,349	--	--	--	--
--	--	--	--	--	--	--
--	--	5,349	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	2,520
--	--	--	--	--	--	--
--	--	--	--	--	--	2,520
--	--	--	--	--	--	1,496
450	--	450	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
450	--	450	--	--	--	1,496
--	825	8,110	--	--	--	1,100
--	5,949	--	--	--	--	--
150	--	--	--	--	--	--
--	102,678	--	--	--	--	--
--	--	161,754	--	--	--	--
150	109,452	169,864	--	--	--	1,100
--	--	--	2,898	15,963	278	--
--	--	--	2,898	15,963	278	--
600	109,452	175,663	2,898	15,963	278	16,491

Table 5.--Log flow to mills from National Forests, by resource area and county, California, 1972

(Thousand board feet, local scale)

Resource area and county of use	All National Forests	Cleveland	El Dorado	Inyo	Klamath	Lassen	Mendocino	Modoc	Plumas	San Bernardino	Sierra	Sequoia	Shasta-Trinity	Six Rivers	Stanislaus	Tahoe	Out-of-State National Forests
North Coast:																	
Del Norte	61,081	--	--	--	--	--	--	--	--	--	--	--	--	61,081	--	--	--
Humboldt	172,945	--	--	--	34,420	--	--	--	--	--	--	--	--	99,566	--	--	1,214
Mendocino	27,770	--	--	--	--	--	27,403	--	--	--	--	--	37,745	367	--	--	--
Sonoma	175	--	--	--	--	--	--	175	--	--	--	--	--	--	--	--	--
Total	261,971	--	--	--	34,420	--	27,403	175	--	--	--	--	37,745	161,014	--	--	1,214
Central Coast:																	
Contra Costa	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Monterey and Santa Cruz ^{1/}	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Northern Interior:																	
Lassen	126,075	--	--	--	--	87,039	--	13,432	25,604	--	--	--	--	--	--	--	--
Modoc	30,270	--	--	--	--	--	--	30,270	--	--	--	--	--	--	--	--	--
Shasta	182,105	--	--	--	3,500	41,765	387	4,500	--	--	--	--	131,953	--	--	--	--
Siskiyou	270,592	--	--	--	187,179	1,285	--	19,983	--	--	--	--	55,833	5,456	--	--	856
Trinity	147,868	--	--	--	3,338	--	--	--	--	--	--	--	125,880	18,650	--	--	--
Total	756,910	--	--	--	194,017	130,089	387	68,185	25,604	--	--	--	313,666	24,106	--	--	856
Sacramento:																	
Butte	61,041	--	--	--	--	8,925	2,975	--	43,131	--	--	--	--	--	--	6,010	--
El Dorado	78,097	--	78,070	--	--	--	--	--	--	--	--	--	--	--	--	27	--
Glenn, Lake, and Sacramento ^{1/}	23,491	--	504	--	--	--	22,651	--	--	--	--	--	--	--	168	168	--
Nevada and Placer ^{1/}	104,021	--	33,090	--	--	--	--	--	3,425	--	--	--	--	--	--	67,506	--
Plumas and Sierra ^{1/}	227,396	--	--	--	--	38,394	--	--	140,625	--	--	--	--	--	--	48,377	--
Tehama	75,574	--	--	--	--	25,414	23,828	--	11,037	--	--	--	15,295	--	--	62,381	--
Yuba	89,173	--	--	--	--	--	--	--	26,792	--	--	--	--	--	--	--	--
Total	658,793	--	111,664	--	--	72,733	49,454	--	225,010	--	--	--	15,295	--	168	184,469	--
San Joaquin:																	
Amador, Calaveras, and San Joaquin ^{1/}	118,069	--	69,929	--	--	--	--	--	--	--	2,174	--	--	--	45,966	--	--
Fresno	76,556	--	--	--	--	--	--	--	--	--	54,222	22,334	--	--	--	--	--
Madera and Mariposa ^{1/}	83,027	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tulare and Kern ^{1/}	121,416	--	--	1,440	--	--	--	--	--	--	82,877	--	--	--	150	--	--
Tuolumne	133,003	--	--	--	--	--	--	--	--	--	17,640	102,336	--	--	--	--	--
Total	532,071	--	69,929	1,440	--	--	--	--	--	--	156,913	124,670	--	--	179,119	--	--
Southern California:																	
San Bernardino, Los Angeles, and San Diego ^{1/}	21,092	211	--	--	--	--	--	--	--	14,980	--	5,901	--	--	--	--	--
Total	21,092	211	--	--	--	--	--	--	--	14,980	--	5,901	--	--	--	--	--
All areas	2,230,837	211	181,593	1,440	228,437	202,822	77,244	68,360	250,614	14,980	156,913	130,571	366,706	185,120	179,287	184,469	2,070

^{1/} Combined to avoid disclosure.

Table 6.--Log flow to mills from National Forests, by industry and resource area, California, 1972

(Thousand board feet, local scale)

Resource area and industry	All National Forests	Cleveland	El Dorado	Inyo	Klamath	Lassen	Mendocino	Modoc	Plumas	San Bernardino	Sierra	Sequoia	Shasta-Trinity	Six Rivers	Stanislaus	Tahoe	Out-of-State National Forests
North Coast:																	
Lumber	195,974	--	--	--	31,940	--	27,403	--	--	--	--	--	32,993	103,638	--	--	--
Veneer and plywood	65,301	--	--	--	2,480	--	--	--	--	--	--	--	4,752	56,855	--	--	1,214
Pulp and board	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Shake and shingle	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	261,275	--	--	--	34,420	--	27,403	--	--	--	--	--	37,745	160,493	--	--	1,214
Northern Interior:																	
Lumber	666,676	--	--	--	136,458	125,992	387	68,185	25,604	--	--	--	285,088	24,106	--	--	856
Veneer and plywood	90,234	--	--	--	57,559	4,097	--	--	--	--	--	--	28,578	--	--	--	--
Pulp and board	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	756,910	--	--	--	194,017	130,089	387	68,185	25,604	--	--	--	313,666	24,106	--	--	856
Sacramento:																	
Lumber	643,558	--	110,545	--	--	67,115	45,709	--	224,765	--	--	--	12,173	--	--	183,251	--
Veneer and plywood ^{1/}	65,802	--	11,077	--	--	5,618	3,745	--	175	--	--	--	3,122	--	41,015	1,050	--
Pulp and board	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	709,360	--	121,622	--	--	72,733	49,454	--	224,940	--	--	--	15,295	--	41,015	184,301	--
San Joaquin:																	
Lumber	474,774	--	58,617	1,440	--	--	--	--	--	--	156,629	124,670	--	--	133,418	--	--
Veneer and plywood ^{1/}	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pulp and board	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	474,774	--	58,617	1,440	--	--	--	--	--	--	156,629	124,670	--	--	133,418	--	--
Southern California:																	
Lumber	21,092	211	--	--	--	--	--	--	--	14,980	--	5,901	--	--	--	--	--
Pulp and board	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	21,092	211	--	--	--	--	--	--	--	14,980	--	5,901	--	--	--	--	--
All areas:																	
Lumber	2,002,074	211	169,162	1,440	168,398	193,107	73,499	68,185	250,369	14,980	156,629	130,571	330,254	127,744	133,418	183,251	856
Veneer and plywood	221,337	--	11,077	--	60,039	9,715	3,745	--	175	--	--	--	36,452	56,855	41,015	1,050	1,214
Pulp and board	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Shake and shingle	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Export ^{2/}	7,031	--	1,354	--	--	--	--	--	--	--	284	--	--	521	4,704	168	--
Post, pole, and piling ^{2/}	395	--	--	--	--	--	--	175	70	--	--	--	--	--	150	--	--
Total	2,230,837	211	181,593	1,440	228,437	202,822	77,244	68,360	250,614	14,980	156,913	130,571	366,706	185,120	179,287	184,469	2,070

^{1/} San Joaquin and Sacramento combined to avoid disclosure.

^{2/} All resource areas combined to avoid disclosure.

Table 7.--Dependency of mills for logs, by ownership origin, resource area, and industry, California, 1972
(Number of mills)

Resource area and industry	National Forest					State					Bureau of Land Management					Dependency percent					Forest industry					Farmer and miscellaneous private											
	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		0	1-32	33-66	67-100		0	1-32	33-66	67-100		0	1-32	33-66	67-100			
North Coast:																																					
Lumber	48	5	4	6	56	6	1	--	--	58	4	1	--	--	61	1	1	--	--	33	7	7	16	48	8	2	5	26	8	8	0	21					
Veneer and plywood	9	1	2	3	14	1	--	--	--	14	1	--	--	--	13	1	--	--	--	5	--	2	7	14	--	--	--	5	8	2	--	--					
Pulp and board	6	--	--	--	6	--	--	--	--	6	--	--	--	--	6	--	--	--	--	7	--	--	4	4	--	--	--	1	--	--	--	--					
Shake and shingle	7	--	--	--	4	--	--	3	--	7	--	--	--	--	7	--	--	--	--	4	--	--	--	4	2	--	1	3	2	--	--	2					
Export	3	1	--	--	4	--	--	--	--	4	--	--	--	--	4	--	--	--	--	4	--	--	--	4	--	--	3	3	--	--	--	--	1				
Post, pole, and piling	--	--	1	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--	1				
Total	73	7	7	9	85	7	1	3	--	90	5	1	--	--	92	2	1	1	--	56	7	9	24	74	10	2	10	43	18	11	24						
Central Coast:																																					
Lumber	6	--	--	--	6	--	--	--	--	6	--	--	--	--	6	--	--	--	--	6	--	--	--	6	--	--	--	--	--	--	--	--	6				
Veneer and plywood	4	--	--	--	4	--	--	--	--	4	--	--	--	--	4	--	--	--	--	2	--	2	--	2	--	2	--	4	--	--	--	--	6				
Pulp and board	10	--	--	--	10	--	--	--	--	10	--	--	--	--	10	--	--	--	--	8	--	2	--	8	--	2	--	4	--	--	--	--	6				
Total	20	--	--	--	20	--	--	--	--	20	--	--	--	--	20	--	--	--	--	14	--	4	--	14	--	4	--	8	--	--	--	--	12				
Northern Interior:																																					
Lumber	2	7	8	20	35	2	--	--	--	30	7	--	--	--	35	2	--	--	--	29	3	5	--	28	2	6	1	13	18	5	1						
Veneer and plywood	--	1	2	2	5	--	--	--	--	4	1	--	--	--	5	--	--	--	--	2	2	1	--	3	1	1	--	2	3	--	--	--					
Pulp and board	2	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	1				
Export	1	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1				
Post, pole, and piling	5	8	10	22	43	2	--	--	--	37	8	--	--	--	43	2	--	--	--	33	5	7	--	33	4	7	1	17	21	6	1						
Total	10	16	20	44	86	4	--	--	--	74	16	--	--	--	86	4	--	--	--	71	15	23	--	76	16	15	3	32	42	12	3						
Sacramento:																																					
Lumber	4	11	12	12	39	--	--	--	--	36	2	--	--	1	38	1	--	--	--	25	4	7	3	31	8	--	--	10	13	8							
Veneer and plywood	--	1	2	--	3	--	--	--	--	3	--	--	--	--	3	--	--	--	--	1	1	--	--	3	--	--	--	1	--	--	--	--	1				
Pulp and board	2	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	--				
Export	--	--	1	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	1	--	--	1	--	--	--	--				
Post, pole, and piling	--	1	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	1				
Total	6	13	15	12	46	--	--	--	--	43	2	--	--	1	45	1	--	--	--	30	5	8	3	36	8	2	--	13	14	10	9						
San Joaquin:																																					
Lumber	1	3	2	22	27	1	--	--	--	28	--	--	--	--	27	1	--	--	--	23	4	--	1	27	1	--	--	8	15	2	3						
Veneer and plywood	--	--	--	2	2	--	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	--				
Pulp and board	2	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	--				
Export	--	1	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	1	--	--	1	--	--	--	--				
Post, pole, and piling	1	1	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	1	1	--	--	--	--	--	--	--	2				
Total	4	5	2	24	33	2	--	--	--	35	--	--	--	--	34	1	--	--	--	28	6	--	1	32	2	1	--	12	16	2	5						
Southern California:																																					
Lumber	1	1	--	1	3	--	--	--	--	3	--	--	--	--	3	--	--	--	--	3	--	--	--	3	--	--	--	--	1	--	--	--	2				
Veneer and plywood	2	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	--				
Pulp and board	1	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	1				
Post, pole, and piling	4	1	--	1	6	--	--	--	--	6	--	--	--	--	6	--	--	--	--	5	--	1	--	5	1	--	--	2	1	1	2						
Total	8	2	2	3	12	--	--	--	--	12	--	--	--	--	12	--	--	--	--	11	--	2	--	11	--	2	--	6	2	2	2						
All areas:																																					
Lumber	62	27	26	61	166	9	1	--	--	161	13	1	1	--	170	5	1	--	--	119	18	19	20	143	19	8	6	57	55	23	41						
Veneer and plywood	9	3	6	7	24	1	--	--	--	23	2	--	--	--	23	1	--	--	--	9	4	5	7	22	1	1	1	10	11	3	1						
Pulp and board	18	--	--	--	18	--	--	--	--	18	--	--	--	--	15	--	--	--	--	15	--	2	1	16	--	2	--	18	--	--	--	--	2				
Shake and shingle	7	--	--	--	4	--	--	--	--	7	--	--	--	--	7	--	--	--	--	4	--	--	4	2	--	--	1	3	2	--	--	--	2				
Export	3	2	1	--	5	1	--	--	--	6	--	--	--	--	6	--	--	--	--	6	--	--	2	1	--	2	3	3	2	--	--	--	4				
Post, pole, and piling	3	2	1	--	6	--	--	--	--	6	--	--	--	--	6	--	--	--	--	4	--	--	--	2	3	1	--	3	--	--	--	--	2				
Total	102	34	34	68	223	11	1	3	--	221	15	1	1	--	230	6	1	1	--	160	22	28	28	188	25	14	11	91	70	30	47						

Table 8.--Log consumption of all mills, by ownership class, resource area, and industry, California, 1972

(Thousand board feet, local scale)

Resource area and industry	All owners	State	National Forest	Bureau of Land Management	Other public	Forest industry		Farmer and miscellaneous private
						Own wood supply	Other wood supply	
North Coast:								
Lumber	1,711,303	33,230	195,974	15,016	33,162	869,682	122,250	441,989
Veneer and plywood	393,290	1,595	65,301	1,320	13,400	258,418	17,401	35,855
Pulp and board	6,000	--	--	--	--	6,000	--	--
Shake and shingle	2,676	241	--	--	--	1,350	275	810
Total	2,113,269	35,066	261,275	16,336	46,562	1,135,450	139,926	478,654
Central Coast:								
Lumber	42,720	--	--	--	--	--	--	42,720
Pulp and board	14,077	--	--	--	--	7,742	6,335	--
Total	56,797	--	--	--	--	7,742	6,335	42,720
Northern Interior:								
Lumber	1,187,630	5,742	666,676	16,837	15,382	194,536	181,397	107,060
Veneer and plywood	150,565	--	90,234	1,638	--	18,116	30,007	10,570
Pulp and board ^{1/}	--	--	--	--	--	--	--	--
Total	1,338,195	5,742	756,910	18,475	15,382	212,652	211,404	117,630
Sacramento:								
Lumber	1,161,580	--	643,558	4,603	400	248,441	40,224	224,354
Veneer and plywood ^{2/}	101,253	--	65,802	--	--	25,292	--	10,159
Pulp and board ^{1/}	--	--	--	--	--	--	--	--
Total	1,262,833	--	709,360	4,603	400	273,733	40,224	234,513
San Joaquin:								
Lumber	565,062	2,000	474,774	--	1,600	46,004	3,100	37,584
Veneer and plywood ^{2/}	--	--	--	--	--	--	--	--
Pulp and board ^{3/}	--	--	--	--	--	--	--	--
Total	565,062	2,000	474,774	--	1,600	46,004	3,100	37,584
Southern California:								
Lumber	26,516	--	21,092	--	--	--	--	5,424
Pulp and board ^{3/}	--	--	--	--	--	--	--	--
Total	26,516	--	21,092	--	--	--	--	5,424
All areas:								
Lumber	4,694,811	40,972	2,002,074	36,456	50,544	1,358,663	346,971	859,131
Veneer and plywood	645,108	1,595	221,337	2,958	13,400	301,826	47,408	56,584
Pulp and board	20,077	--	--	--	--	13,742	6,335	--
Shake and shingle	2,676	241	--	--	--	1,350	275	810
Export ^{4/}	75,665	1,890	7,031	--	--	--	38,157	28,587
Post, pole, and piling ^{4/}	13,378	--	395	--	--	1,554	3,847	7,582
Total	5,451,715	44,698	2,230,837	39,414	63,944	1,677,135	442,993	952,694

^{1/} Sacramento and Northern Interior combined to avoid disclosure.

^{2/} San Joaquin and Sacramento combined to avoid disclosure.

^{3/} Southern California and San Joaquin combined to avoid disclosure.

^{4/} All resource areas combined to avoid disclosure.

Table 9.--Log consumption by mills by species, resource area, and industry, California, 1972

(Thousand board feet, local scale)

Resource area and industry	All species	Douglas-fir	Hemlock	True firs	Redwood	Ponderosa and sugar pines	Incense-cedar	Other softwoods	Hardwoods
North Coast:									
Lumber	1,711,303	584,503	13,809	58,410	949,724	59,589	2,694	40,843	1,731
Veneer and plywood	393,290	315,312	2,482	28,579	42,213	443	--	4,261	--
Pulp and board	6,000	3,600	--	--	2,400	--	--	--	--
Shake and shingle	2,676	--	--	--	2,006	--	--	670	--
Total	2,113,269	903,415	16,291	86,989	996,343	60,032	2,694	45,774	1,731
Central Coast:									
Lumber	42,720	9,078	--	--	15,200	--	--	18,440	2
Pulp and board	14,077	9,150	--	4,927	--	--	--	--	--
Total	56,797	18,228	--	4,927	15,200	--	--	18,440	2
Northern Interior:									
Lumber	1,187,630	280,575	1,200	296,520	--	503,711	93,157	12,467	--
Veneer and plywood	150,565	80,949	--	50,434	--	19,182	--	--	--
Pulp and board ^{1/}	--	--	--	--	--	--	--	--	--
Total	1,338,195	361,524	1,200	346,954	--	522,893	93,157	12,467	--
Sacramento:									
Lumber	1,161,580	140,744	1,479	391,472	--	505,710	57,186	53,941	11,048
Veneer and plywood ^{2/}	101,253	7,056	--	86,422	--	7,550	--	225	--
Pulp and board ^{1/}	--	--	--	--	--	--	--	--	--
Total	1,262,833	147,800	1,479	477,894	--	513,260	57,186	54,166	11,048
San Joaquin:									
Lumber	565,062	5,569	--	246,949	--	243,481	66,635	2,428	--
Veneer and plywood ^{2/}	--	--	--	--	--	--	--	--	--
Pulp and board ^{3/}	--	--	--	--	--	--	--	--	--
Total	565,062	5,569	--	246,949	--	243,481	66,635	2,428	--
Southern California:									
Lumber	26,516	--	--	2,372	--	23,866	15	263	--
Pulp and board ^{3/}	--	--	--	--	--	--	--	--	--
Total	26,516	--	--	2,372	--	23,866	15	263	--
All areas:									
Lumber	4,694,811	1,020,469	16,488	995,723	964,924	1,336,357	219,687	128,382	12,781
Veneer and plywood	645,108	403,317	2,482	165,435	42,213	27,175	--	4,486	--
Pulp and board	20,077	12,750	--	4,927	2,400	--	--	--	--
Shake and shingle	2,676	--	--	--	2,006	--	--	670	--
Export ^{4/}	75,665	21,586	2,981	20,101	7,754	13,372	1,113	8,758	--
Post, pole, and piling ^{4/}	13,378	8,745	--	251	--	4,281	--	101	--
Total	5,451,715	1,466,867	21,951	1,186,437	1,019,297	1,381,185	220,800	142,397	12,781

^{1/} Sacramento and Northern Interior combined to avoid disclosure.

^{2/} San Joaquin and Sacramento combined to avoid disclosure.

^{3/} Southern California and San Joaquin combined to avoid disclosure.

^{4/} All resource areas combined to avoid disclosure.

Table 10.--Production and disposition of wood and bark residues by mills by use, resource area, and residue-producing industry, California, 1972

(Tons, dry weight)

Resource area and residue-producing industry	Wood residue						Bark residue					
	All wood	Used ^{1/}				Unused	All bark	Used ^{1/}				Unused
		Total	Pulp and board	Fuel	Miscellaneous			Total	Pulp and board	Fuel	Miscellaneous	
North Coast:												
Lumber	2,137,248	1,653,923	1,193,420	334,432	126,071	483,325	607,866	161,789	--	105,541	56,248	446,077
Veneer and plywood	417,614	396,908	301,068	57,718	38,122	20,706	122,613	54,114	--	54,114	--	68,499
Shake and shingle	1,351	976	26	434	516	375	559	157	--	157	--	402
Total	2,556,213	2,051,807	1,494,514	392,584	164,709	504,406	731,038	216,060	--	159,812	56,248	514,978
Central Coast:												
Lumber	41,624	41,624	1,531	2,105	37,988	--	12,864	12,188	--	--	12,188	676
Total	41,624	41,624	1,531	2,105	37,988	--	12,864	12,188	--	--	12,188	676
Northern Interior:												
Lumber	1,270,923	1,032,795	579,484	412,505	40,806	238,128	379,344	251,905	--	175,400	76,505	127,439
Veneer and plywood	139,577	137,190	109,565	14,268	13,357	2,387	28,734	17,603	--	14,435	3,168	11,131
Total	1,410,500	1,169,985	689,049	426,773	54,163	240,515	408,078	269,508	--	189,835	79,673	138,570
Sacramento:												
Lumber	1,250,452	988,250	524,013	444,581	19,656	262,202	363,544	218,836	--	79,442	139,394	144,708
Veneer and plywood ^{2/}	110,173	102,005	85,353	14,959	1,693	8,168	32,053	26,073	--	1,064	25,009	5,980
Total	1,360,625	1,090,255	609,366	459,540	21,349	270,370	395,597	244,909	--	80,506	164,403	150,688
San Joaquin:												
Lumber	556,993	436,492	257,502	94,358	84,632	120,501	175,252	110,090	--	5,832	104,258	65,162
Veneer and plywood ^{2/}	--	--	--	--	--	--	--	--	--	--	--	--
Total	556,993	436,492	257,502	94,358	84,632	120,501	175,252	110,090	--	5,832	104,258	65,162
Southern California:												
Lumber	26,649	26,647	2,121	90	24,436	2	7,558	7,557	--	48	7,509	1
Total	26,649	26,647	2,121	90	24,436	2	7,558	7,557	--	48	7,509	1
All areas:												
Lumber	5,283,889	4,179,731	2,558,071	1,288,071	333,589	1,104,158	1,546,428	762,365	--	366,263	396,102	784,063
Veneer and plywood	667,364	636,103	495,986	86,945	53,172	31,261	183,400	97,790	--	69,613	28,177	85,610
Shake and shingle	1,351	976	26	434	516	375	559	157	--	157	--	402
Total	5,952,604	4,816,810	3,054,083	1,375,450	387,277	1,135,794	1,730,387	860,312	--	436,033	424,279	870,075

^{1/} Residues not necessarily used in the resource area in which produced.

^{2/} San Joaquin and Sacramento combined to avoid disclosure.

Table 11.--Number of sawmills by mill-size class, resource area, and county, California, 1972

Resource area and county	All classes	Mill-size class ^{1/}			
		D	C	B	A
North Coast:					
Del Norte	7	1	2	3	1
Humboldt	37	4	7	11	15
Mendocino	13	1	--	3	9
Sonoma	6	2	3	--	1
Total	63	8	12	17	26
Central Coast:					
Monterey	1	1	--	--	--
Santa Cruz	5	1	3	1	--
Total	6	2	3	1	--
Northern Interior:					
Lassen	6	2	2	1	1
Modoc	3	--	2	1	--
Shasta	12	4	1	4	3
Siskiyou	11	2	--	3	6
Trinity	5	--	--	2	3
Total	37	8	5	11	13
Sacramento:					
Butte	7	3	2	1	1
El Dorado	6	2	--	3	1
Glenn	1	--	--	1	--
Lake	1	1	--	--	--
Nevada	5	1	1	3	--
Placer	2	--	--	2	--
Plumas	6	--	2	3	1
Sierra	2	--	1	1	--
Tehama	3	--	--	1	2
Yuba	6	1	2	3	--
Total	39	8	8	18	5
San Joaquin:					
Amador	2	--	--	--	2
Calaveras	2	--	1	--	1
Fresno	7	4	1	1	1
Kern	2	1	--	1	--
Madera	4	1	--	3	--
Mariposa	2	1	1	--	--
Tulare	4	--	1	1	2
Tuolumne	5	1	1	1	2
Total	28	8	5	7	8
Southern California:					
San Bernardino	2	1	1	--	--
San Diego	1	1	--	--	--
Total	3	2	1	--	--
All areas	176	36	34	54	52

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

Table 12.--Installed capacity of sawmills by mill-size class, resource area and county, California, 1972

(Thousand board feet, lumber tally)

Resource area and county	Total capacity	Mill-size class ^{1/}			
		D	C	B	A
North Coast:					
Del Norte	635	30	135	270	200
Humboldt	4,110	70	420	1,064	2,556
Mendocino	1,863	20	--	293	1,550
Sonoma	355	30	140	--	185
Total	6,963	150	695	1,627	4,491
Central Coast:					
Monterey	4	4	--	--	--
Santa Cruz	244	4	160	80	--
Total	248	8	160	80	--
Northern Interior:					
Lassen	462	22	140	80	220
Modoc	210	--	110	100	--
Shasta	896	44	64	370	418
Siskiyou	1,456	32	--	310	1,114
Trinity	545	--	--	170	375
Total	3,569	98	314	1,030	2,127
Sacramento:					
Butte	446	56	110	80	200
El Dorado	460	10	--	250	200
Glenn	100	--	--	100	--
Lake	30	30	--	--	--
Nevada	410	35	70	305	--
Placer	200	--	--	200	--
Plumas	598	--	145	278	175
Sierra	170	--	70	100	--
Tehama	558	--	--	88	470
Yuba	435	10	135	290	--
Total	3,407	141	530	1,691	1,045
San Joaquin:					
Amador	320	--	--	--	320
Calaveras	200	--	50	--	150
Fresno	337	20	72	115	130
Kern	100	5	--	95	--
Madera	315	35	--	280	--
Mariposa	41	1	40	--	--
Tulare	425	--	75	80	270
Tuolumne	550	30	60	100	360
Total	2,288	91	297	670	1,230
Southern California:					
San Bernardino	76	6	70	--	--
San Diego	1	1	--	--	--
Total	77	7	70	--	--
All areas	16,552	495	2,066	5,098	8,893

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

Table 13.--Number of sawmills by mill-size class, resource area, and selected equipment, California, 1972

Resource area and selected equipment	All classes	Mill-size class ^{1/}			
		D	C	B	A
North Coast:					
Barker	48	1	7	15	25
Chipper	55	4	8	17	26
Planer	53	4	11	14	24
Burner	51	4	10	16	21
Kiln	22	1	5	4	12
Central Coast:					
Barker	2	--	2	--	--
Chipper	4	--	3	1	--
Planer	4	1	2	1	--
Burner	1	--	1	--	--
Kiln	--	--	--	--	--
Northern Interior:					
Barker	22	1	1	7	13
Chipper	22	--	1	8	13
Planer	26	2	3	9	12
Burner	27	4	5	10	8
Kiln	20	--	1	8	11
Sacramento:					
Barker	27	1	5	16	5
Chipper	26	1	4	16	5
Planer	33	4	6	18	5
Burner	27	3	8	14	2
Kiln	22	--	3	14	5
San Joaquin:					
Barker	15	--	2	6	7
Chipper	15	--	2	6	7
Planer	15	3	2	5	5
Burner	13	1	4	4	4
Kiln	12	--	2	5	5
Southern California:					
Barker	1	--	1	--	--
Chipper	1	--	1	--	--
Planer	1	--	1	--	--
Burner	--	--	--	--	--
Kiln	1	--	1	--	--
All areas:					
Barker	115	3	18	44	50
Chipper	123	5	19	48	51
Planer	132	14	25	47	46
Burner	119	12	28	44	35
Kiln	77	1	12	31	33

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

Table 14.--Number of sawmills by selected equipment, resource area, and county, California, 1972

Resource area and county	Barker	Chipper	Planer	Burner	Kiln
North Coast:					
Del Norte	5	7	5	5	2
Humboldt	28	32	31	28	12
Mendocino	12	12	11	13	5
Sonoma	3	4	6	5	3
Total	48	55	53	51	22
Central Coast:					
Monterey	--	--	1	--	--
Santa Cruz	2	4	3	1	--
Total	2	4	4	1	--
Northern Interior:					
Lassen	2	2	3	4	3
Modoc	--	--	3	3	1
Shasta	7	7	9	8	7
Siskiyou	9	9	7	7	6
Trinity	4	4	4	5	3
Total	22	22	26	27	20
Sacramento:					
Butte	3	3	7	4	2
El Dorado	3	3	5	2	3
Glenn	1	1	1	1	1
Lake	1	1	--	1	--
Nevada	4	4	4	4	3
Placer	2	2	2	2	2
Plumas	5	4	6	5	4
Sierra	1	1	1	1	1
Tehama	3	3	3	2	3
Yuba	4	4	4	5	3
Total	27	26	33	27	22
San Joaquin:					
Amador	2	2	1	1	1
Calaveras	2	2	1	1	--
Fresno	2	2	3	1	2
Kern	1	1	1	--	--
Madera	3	3	2	2	2
Mariposa	--	--	--	1	--
Tulare	2	2	4	2	4
Tuolumne	3	3	3	5	3
Total	15	15	15	13	12
Southern California:					
San Bernardino	1	1	1	--	1
San Diego	--	--	--	--	--
Total	1	1	1	--	1
All areas	115	123	132	119	77

Table 15.--Number of sawmills by type and size of headrig,^{1/} resource area, and mill-size class, California, 1972

Resource area and mill-size class ^{2/}	Circular saw				Band saw				Gang saw			Chipping saw			Scragg double-cut saw		
	2 feet	4 feet	6 feet	8+ feet	4 feet	6 feet	8 feet	10+ feet	2 feet	3 feet	4 feet	2 feet	3 feet	4 feet	2 feet	3 feet	4 feet
North Coast:																	
D	--	1	5	--	--	1	--	--	--	--	--	--	--	--	--	--	1
C	--	2	2	1	--	3	3	1	--	--	--	--	--	--	--	--	--
B	--	1	1	--	1	6	7	--	--	1	--	--	--	--	--	--	--
A	--	--	--	--	3	10	11	--	--	1	1	--	--	--	--	--	--
Total	--	4	8	1	4	20	21	1	--	2	1	--	--	--	--	--	1
Central Coast:																	
D	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C	--	--	2	--	--	--	--	1	--	--	--	--	--	--	--	--	--
B	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	4	--	--	1	--	1	--	--	--	--	--	--	--	--	--
Northern Interior:																	
D	--	6	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C	--	--	--	--	--	1	3	--	--	--	--	--	--	1	--	--	--
B	--	--	1	--	--	5	5	--	--	--	--	--	--	--	--	--	--
A	--	--	--	--	--	5	5	3	--	--	--	--	--	--	--	--	--
Total	--	6	3	--	--	11	13	3	--	--	--	--	--	1	--	--	--
Sacramento:																	
D	--	2	5	--	--	--	--	--	--	--	--	--	--	--	--	1	--
C	1	--	1	2	--	3	1	--	--	--	--	--	--	--	--	--	--
B	--	--	--	1	2	5	6	4	--	--	--	--	--	--	--	--	--
A	--	--	--	--	--	3	2	--	--	--	--	--	--	--	--	--	--
Total	1	2	6	3	2	11	9	4	--	--	--	--	--	--	--	1	--
San Joaquin:																	
D	--	2	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C	--	--	1	--	1	1	1	1	--	--	--	--	--	--	--	--	--
B	--	1	--	--	--	1	3	1	--	--	1	--	--	--	--	--	--
A	--	--	1	--	--	2	4	1	--	--	--	--	--	--	--	--	--
Total	--	3	8	--	1	4	8	3	--	--	1	--	--	--	--	--	--
Southern California:																	
D	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
All areas:																	
D	--	13	20	--	--	1	--	--	--	--	--	--	--	--	--	1	1
C	1	2	7	3	1	8	8	3	--	--	--	--	--	1	--	--	--
B	--	2	2	1	3	18	21	5	--	1	1	--	--	--	--	--	--
A	--	--	1	--	3	20	22	4	--	1	1	--	--	--	--	--	--
Total	1	17	30	4	7	47	51	12	--	2	2	--	--	1	--	1	1

^{1/} Sizes of headrigs are upper limits; the 6-foot size class includes saws 49 through 72 inches.

^{2/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

Table 16.--Number of sawmills by years of present ownership, years at present site, and mill-size class, California, 1972

Mill-size class ^{1/} and years at present site	All mills	Tenure of present mill ownership (years)				
		0-2	3-5	6-10	11-20	21+
D:						
0 - 2	6	3	1	--	--	2
3 - 5	7	--	6	1	--	--
6 - 10	7	1	2	4	--	--
11 - 20	10	1	1	--	7	1
21+	6	--	--	--	--	6
Total	36	5	10	5	7	9
C:						
0 - 2	1	1	--	--	--	--
3 - 5	2	--	2	--	--	--
6 - 10	7	1	1	5	--	--
11 - 20	8	--	3	--	5	--
21+	16	2	--	3	3	8
Total	34	4	6	8	8	8
B:						
0 - 2	1	--	--	--	--	1
3 - 5	2	--	2	--	--	--
6 - 10	3	--	1	1	--	1
11 - 20	18	1	7	4	6	--
21 +	30	4	4	3	9	10
Total	54	5	14	8	15	12
A:						
0 - 2	3	3	--	--	--	--
3 - 5	2	1	1	--	--	--
6 - 10	4	--	1	3	--	--
11 - 20	13	7	2	--	4	--
20+	30	6	5	5	6	8
Total	52	17	9	8	10	8
All classes:						
0 - 2	11	7	1	--	--	3
3 - 5	13	1	11	1	--	--
6 - 10	22	2	5	13	--	1
11 - 20	49	9	13	4	22	1
21+	82	12	9	11	18	32
Total	176	31	39	29	40	37

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

Table 17.--Average number of operating days of sawmills by resource area and mill-size class, California, 1972

Resource area	Average number of operating days per year				
	Mill-size class ^{1/}				Average, all classes
	D	C	B	A	
North Coast	161	213	240	244	227
Central Coast	43	162	205	--	130
Northern Interior	116	221	235	251	213
Sacramento	132	226	242	261	218
San Joaquin	95	186	216	223	178
Southern California	85	234	--	--	135
All areas	119	209	236	244	209

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

Table 18.--Wood consumption by sawmills by type of material consumed, resource area, and mill-size class, California, 1972

(Thousand board feet)

Resource area and mill-size class ^{1/}	All wood	Roundwood				Other	
		All roundwood	Sound logs		Utility logs	Peeler cores	Cants
			Live	Dead			
----- Local log scale ----- Lumber tally -----							
North Coast:							
D	33,834	21,685	11,480	40	10,165	12,149	--
C	149,824	146,089	108,021	3,240	34,828	3,735	--
E	443,455	442,205	403,333	2,950	35,922	--	1,250
A	1,108,333	1,101,324	1,070,050	3,500	27,774	7,009	--
Total	1,735,446	1,711,303	1,592,884	9,730	108,689	22,893	1,250
Central Coast:							
B, C, and D ^{2/}	42,720	42,720	42,520	--	200	--	--
Northern Interior:							
D	10,177	7,786	6,881	300	605	2,287	104
C	79,886	79,886	75,886	3,500	500	--	--
B	314,271	314,271	306,728	3,173	4,370	--	--
A	785,687	785,687	749,964	16,831	18,892	--	--
Total	1,190,021	1,187,630	1,139,459	23,804	24,367	2,287	104
Sacramento:							
D	13,995	13,995	13,048	26	921	--	--
C	154,639	154,639	152,689	1,300	650	--	--
B	551,974	551,974	536,253	10,845	4,876	--	--
A	440,972	440,972	432,069	4,927	3,976	--	--
Total	1,161,580	1,161,580	1,134,059	17,098	10,423	--	--
San Joaquin:							
D	5,769	5,769	4,555	2	1,212	--	--
C	82,420	82,420	78,800	520	3,100	--	--
B	154,391	154,391	150,631	1,000	2,760	--	--
A	322,482	322,482	321,160	1,322	--	--	--
Total	565,062	565,062	555,146	2,844	7,072	--	--
Southern California:							
C and D ^{2/}	26,516	26,516	25,171	1,345	--	--	--
All areas:							
D	63,775	49,235	35,964	368	12,903	14,436	104
C	493,285	489,550	440,567	9,905	39,078	3,735	--
B	1,506,811	1,505,561	1,439,465	17,968	48,128	--	1,250
A	2,657,474	2,650,465	2,573,243	26,580	50,642	7,009	--
Total	4,721,345	4,694,811	4,489,239	54,821	150,751	25,180	1,354

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

^{2/} Combined to avoid disclosure.

Table 19.--Log consumption by sawmills by timber age group, resource area, and mill-size class, California, 1972

(Thousand board feet, local scale)

Resource area and mill-size class ^{1/}	All age groups	Old growth (100+ years)	Young growth (less than 100 years)
North Coast:			
D	21,685	14,057	7,628
C	146,089	86,476	59,613
B	442,205	332,776	109,429
A	1,101,324	644,497	456,827
Total	1,711,303	1,077,806	633,497
Central Coast: B, C, and D ^{2/}	42,720	6,250	36,470
Northern Interior:			
D	7,786	4,351	3,435
C	79,886	67,156	12,730
B	314,271	226,361	87,910
A	785,687	659,553	126,134
Total	1,187,630	957,421	230,209
Sacramento:			
D	13,995	9,315	4,680
C	154,639	118,218	36,421
B	551,974	351,780	200,194
A	440,972	321,571	119,401
Total	1,161,580	800,884	360,696
San Joaquin:			
D	5,769	4,732	1,037
C	82,420	48,780	33,640
B	154,391	120,937	33,454
A	322,482	295,051	27,431
Total	565,062	469,500	95,562
Southern California: C and D ^{2/}	26,516	21,200	5,316
All areas:			
D	49,235	32,455	16,780
C	489,550	341,830	147,720
B	1,505,561	1,038,104	467,457
A	2,650,465	1,920,672	729,793
Total	4,694,811	3,333,061	1,361,750

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

^{2/} Combined to avoid disclosure.

Table 20.--Log consumption by sawmills by timber age group, resource area, and county, California, 1972

(Thousand board' feet, local scale)

Resource area and county	All age groups	Old growth (100+ years)	Young growth (less than 100 years)
North Coast:			
Del Norte	163,991	125,706	38,285
Humboldt	973,118	713,784	259,334
Mendocino	455,366	207,690	247,676
Sonoma	118,828	30,626	88,202
Total	1,711,303	1,077,806	633,497
Central Coast:			
Monterey and ^{1/} Santa Cruz	42,720	6,250	36,470
Northern Interior:			
Lassen	151,262	129,356	21,906
Modoc	43,278	37,101	6,177
Shasta	372,101	284,183	87,918
Siskiyou	456,379	362,833	93,546
Trinity	164,610	143,948	20,662
Total	1,187,630	957,421	230,209
Sacramento:			
Butte	127,520	63,088	64,432
El Dorado	158,474	77,900	80,574
Glenn, Lake, and Tehama ^{1/}	255,141	149,900	105,241
Placer and Nevada ^{1/}	195,100	153,054	42,046
Plumas and Sierra ^{1/}	290,617	250,603	40,014
Yuba	134,728	106,339	28,389
Total	1,161,580	800,884	360,696
San Joaquin:			
Calaveras and Amador ^{1/}	116,822	108,690	8,132
Fresno	83,310	55,943	27,367
Madera and Mariposa ^{1/}	85,281	59,348	25,933
Tulare and Kern ^{1/}	142,329	133,527	8,802
Tuolumne	137,320	111,992	25,328
Total	565,062	469,500	95,562
Southern California:			
San Bernardino and San Diego ^{1/}	26,516	21,200	5,316
All areas	4,694,811	3,333,061	1,361,750

^{1/} Combined to avoid disclosure.

Table 21.--Log inventory changes, log consumption, and apparent log receipts by sawmills
by resource area, California, 1972

(Thousand board feet, local scale)

Resource area	Log inventory			1972 log consumption	Apparent 1972 log receipts
	January 1, 1972	December 31, 1972	Net change		
North Coast	375,642	386,885	11,243	1,711,303	1,722,546
Central Coast	6,510	510	-6,000	42,720	36,720
Northern Interior	365,832	387,792	21,960	1,187,630	1,209,590
Sacramento	362,177	320,016	-42,161	1,161,580	1,119,419
San Joaquin	170,539	170,158	-381	565,062	564,681
Southern California	3,797	3,748	-49	26,516	26,467
All areas	1,284,497	1,269,109	-15,388	4,694,811	4,679,423

Table 22.--Log consumption of sawmills by ownership class, resource area, and mill-size class, California, 1972

(Thousand board feet, local scale)

Resource area and mill-size class ^{1/}	All owners	State	National Forest	Bureau of Land Management	Other public	Forest industry		Farmer and miscellaneous private
						Own wood supply	Other wood supply	
North Coast:								
D	21,685	--	--	--	--	--	13,500	8,185
C	146,089	--	36,360	770	--	32,700	32,131	44,128
B	442,205	5,945	32,749	6,650	--	220,121	56,789	119,951
A	1,101,324	27,285	126,865	7,596	33,162	616,861	19,830	269,725
Total	1,711,303	33,230	195,974	15,016	33,162	869,682	122,250	441,989
Central Coast: B, C, and D ^{2/}	42,720	--	--	--	--	--	--	42,720
Northern Interior:								
D	7,786	--	5,350	--	--	--	751	1,685
C	79,886	900	57,159	900	--	--	16,969	3,958
B	314,271	4,842	216,314	7,686	--	2,475	44,689	38,265
A	785,687	--	387,853	8,251	15,382	192,061	118,988	63,152
Total	1,187,630	5,742	666,676	16,837	15,382	194,536	181,397	107,060
Sacramento:								
D	13,995	--	4,137	83	400	600	32	8,743
C	154,639	--	99,435	--	--	10,835	1,722	42,647
B	551,974	--	338,097	2,000	--	90,499	15,306	106,072
A	440,972	--	201,889	2,520	--	146,507	23,164	66,892
Total	1,161,580	--	643,558	4,603	400	248,441	40,224	224,354
San Joaquin:								
D	5,769	--	5,215	--	--	--	--	554
C	82,420	--	67,219	--	--	1,600	--	13,601
B	154,391	450	132,207	--	1,600	13,600	--	6,534
A	322,482	1,550	270,133	--	--	30,804	3,100	16,895
Total	565,062	2,000	474,774	--	1,600	46,004	3,100	37,584
Southern California: C and D ^{2/}	26,516	--	21,092	--	--	--	--	5,424
All areas:								
D	49,235	--	14,702	83	400	600	14,283	19,167
C	489,550	900	281,265	1,670	--	45,135	50,822	109,758
B	1,505,561	11,237	719,367	16,336	1,600	326,695	116,784	313,542
A	2,650,465	28,835	986,740	18,367	48,544	906,233	165,082	416,664
Total	4,694,811	40,972	2,002,074	36,456	50,544	1,358,663	346,971	859,131

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

^{2/} Combined to avoid disclosure.

Table 23.--Log consumption of sawmills by ownership class, resource area, and county, California, 1972

(Thousand board feet, local scale)

Resource area and county	All owners	State	National Forest	Bureau of Land Management	Other public	Forest industry		Farmer and miscellaneous private
						Own wood supply	Other wood supply	
North Coast:								
Del Norte	163,991	--	33,835	--	--	89,415	28,396	12,345
Humboldt	973,118	--	134,369	14,236	33,162	498,382	78,994	213,975
Mendocino	455,366	23,564	27,770	780	--	251,686	13,929	137,637
Sonoma	118,828	9,666	--	--	--	30,199	931	78,032
Total	1,711,303	33,230	195,974	15,016	33,162	869,682	122,250	441,989
Central Coast:								
Monterey and Santa Cruz ^{1/}	42,720	--	--	--	--	--	--	42,720
Northern Interior:								
Lassen	151,262	900	126,075	2,010	--	--	--	22,277
Modoc	43,278	--	30,270	--	--	--	13,008	--
Shasta	372,101	4,842	154,391	3,750	--	59,010	92,601	57,507
Siskiyou	456,379	--	208,072	4,989	15,038	133,051	75,788	19,441
Trinity	164,610	--	147,868	6,088	344	2,475	--	7,835
Total	1,187,630	5,742	666,676	16,837	15,382	194,536	181,397	107,060
Sacramento:								
Butte	127,520	--	60,971	--	--	16,537	8,532	41,480
El Dorado	158,474	--	78,007	83	400	47,945	--	32,039
Glenn, Lake, and Tehama ^{1/}	255,141	--	85,740	2,520	--	111,390	--	55,491
Placer and Nevada ^{1/}	195,100	--	102,271	2,000	--	46,907	9,422	34,500
Plumas and Sierra ^{1/}	290,617	--	227,396	--	--	25,662	21,203	16,356
Yuba	134,728	--	89,173	--	--	--	1,067	44,488
Total	1,161,580	--	643,558	4,603	400	248,441	40,224	224,354
San Joaquin:								
Calaveras and Amador ^{1/}	116,822	1,550	86,881	--	--	15,081	3,100	10,210
Fresno	83,310	450	76,556	--	--	--	--	6,304
Madera and Mariposa ^{1/}	85,281	--	82,877	--	--	--	--	2,404
Tulare and Kern ^{1/}	142,329	--	121,416	--	1,600	15,200	--	4,113
Tuolumne	137,320	--	107,044	--	--	15,723	--	14,553
Total	565,062	2,000	474,774	--	1,600	46,004	3,100	37,584
Southern California:								
San Bernardino and San Diego ^{1/}	26,516	--	21,092	--	--	--	--	5,424
All areas	4,694,811	40,972	2,002,074	36,456	50,544	1,358,663	346,971	859,131

^{1/} Combined to avoid disclosure.

Table 24.--Dependency of sawmills for logs by ownership origin, resource area, and mill-size class, California, 1972

(Number of mills)

Resource area and mill-size class ^{1/}	National Forest				State				Bureau of Land Management				Other public				Forest industry								Farmer and miscellaneous private						
																	Own wood supply				Other wood supply										
	Dependency percent																Dependency percent														
	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	0	1-32	33-66	67-100	0	1-32	33-66	67-100	0	1-32	33-66	67-100			
North Coast:																															
D	8	--	--	--	8	--	--	--	8	--	--	--	8	--	--	--	8	--	--	6	--	--	2	3	--	--	5				
C	9	1	1	1	12	--	--	--	11	1	--	--	12	--	--	--	9	1	1	9	1	--	2	4	1	--	7				
B	13	2	2	--	16	--	1	--	16	--	1	--	17	--	--	--	9	1	2	12	2	2	1	8	1	2	6				
A	18	2	1	5	20	6	--	--	23	3	--	--	24	1	1	--	7	5	4	21	5	--	--	11	6	6	3				
Total	48	5	4	6	56	6	1	--	58	4	1	--	61	1	1	--	33	7	7	16	48	8	2	5	26	8	8	21			
Central Coast:																															
D	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	2	--	--	--	--	--	--	2				
C	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	3	--	--	--	--	--	--	3				
B	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	1	--	--	--	--	--	--	1				
Total	6	--	--	--	6	--	--	--	6	--	--	--	6	--	--	--	6	--	--	6	--	--	--	--	--	--	6				
Northern Interior:																															
D	2	--	2	4	8	--	--	--	8	--	--	--	8	--	--	--	8	--	--	7	--	1	--	2	1	4	1				
C	--	1	1	3	4	1	--	--	4	1	--	--	5	--	--	--	5	--	--	3	--	1	--	2	3	--	--				
B	--	1	3	7	10	1	--	--	8	3	--	--	11	--	--	--	10	1	--	8	1	2	--	2	8	1	--				
A	--	5	2	6	13	--	--	--	10	3	--	--	11	2	--	--	6	2	5	10	1	2	--	7	6	--	--				
Total	2	7	8	20	35	2	--	--	30	7	--	--	35	2	--	--	29	3	5	28	2	6	1	13	18	5	1				
Sacramento:																															
D	3	4	1	--	8	--	--	--	7	--	--	1	7	1	--	--	7	--	--	7	1	--	--	2	--	2	4				
C	1	1	3	3	8	--	--	--	8	--	--	--	8	--	--	--	7	--	--	7	1	--	--	1	3	3	1				
B	--	5	5	8	18	--	--	--	17	1	--	--	18	--	--	--	11	2	4	14	4	--	--	5	8	2	3				
A	--	1	3	1	5	--	--	--	4	1	--	--	5	--	--	--	--	2	3	3	2	--	--	2	2	1	--				
Total	4	11	12	12	39	--	--	--	36	2	--	1	38	1	--	--	25	4	7	31	8	--	--	10	13	8	8				
San Joaquin:																															
D	1	1	1	5	8	--	--	--	8	--	--	--	8	--	--	--	8	--	--	8	--	--	--	3	2	1	2				
C	--	1	1	3	5	--	--	--	5	--	--	--	5	--	--	--	4	1	--	5	--	--	--	--	3	1	1				
B	--	1	--	6	7	--	--	--	7	--	--	--	6	1	--	--	6	--	--	7	--	--	--	3	4	--	--				
A	--	--	--	8	7	1	--	--	8	--	--	--	8	--	--	--	5	3	--	7	1	--	--	2	6	--	--				
Total	1	3	2	22	27	1	--	--	28	--	--	--	27	1	--	--	23	4	--	27	1	--	--	8	15	2	3				
Southern California:																															
D	1	1	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	2	--	--	--	--	--	--	2				
C	--	--	--	1	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	1	--	--	--	--	1	--	--				
Total	1	1	--	1	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	3	--	--	--	--	1	--	2				
All areas:																															
D	17	6	4	9	36	--	--	--	35	--	--	1	35	1	--	--	35	--	--	32	1	1	2	10	3	7	16				
C	13	4	6	11	33	1	--	--	32	2	--	--	34	--	--	--	29	2	1	28	2	1	3	7	11	4	12				
B	14	9	10	21	52	1	1	--	49	4	1	--	53	1	--	--	37	4	6	7	4	1	--	18	21	5	10				
A	18	8	6	20	45	7	--	--	45	7	--	--	48	3	1	--	18	12	12	41	9	2	--	22	20	7	3				
Total	62	27	26	61	166	9	1	--	161	13	1	1	170	5	1	--	119	18	19	143	19	8	6	57	55	23	41				

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

Table 25.--Log consumption by sawmills by species, resource area, and mill-size class, California, 1972

(Thousand board feet, local scale)

Resource area and mill-size class ^{1/}	All species	Douglas-fir	Hemlock	True firs	Redwood	Ponderosa and sugar pines	Incense-cedar	Other softwoods	Hardwoods
North Coast:									
D	21,685	2,988	--	--	13,815	440	--	2,742	1,700
C	146,089	39,664	1,713	27,684	62,275	987	--	13,735	31
B	442,205	177,496	7,953	6,503	228,688	17,641	558	3,366	--
A	1,101,324	364,355	4,143	24,223	644,946	40,521	2,136	21,000	--
Total	1,711,303	584,503	13,809	58,410	949,724	59,589	2,694	40,843	1,731
Central Coast: ^{2/} B, C, and D	42,720	9,078	--	--	15,200	--	--	18,440	2
Northern Interior:									
D	7,786	5,306	--	405	--	873	220	982	--
C	79,886	121	--	12,732	--	37,349	29,684	--	--
B	314,271	73,453	1,200	72,902	--	127,010	39,706	--	--
A	785,687	201,695	--	210,481	--	338,479	23,547	11,485	--
Total	1,187,630	280,575	1,200	296,520	--	503,711	93,157	12,467	--
Sacramento:									
D	13,995	3,498	--	31	--	1,076	6,054	306	3,030
C	154,639	14,271	1,479	46,949	--	69,314	7,242	7,366	8,018
B	551,974	82,617	--	225,775	--	200,665	30,457	12,460	--
A	440,972	40,358	--	118,717	--	234,655	13,433	33,809	--
Total	1,161,580	140,744	1,479	391,472	--	505,710	57,186	53,941	11,048
San Joaquin:									
D	5,769	--	--	836	--	202	4,631	100	--
C	82,420	1,575	--	36,022	--	35,186	9,637	--	--
B	154,391	990	--	86,620	--	53,927	12,531	323	--
A	332,482	3,004	--	123,471	--	154,166	39,836	2,005	--
Total	565,062	5,569	--	246,949	--	243,481	66,635	2,428	--
Southern California: C and D ^{2/}	26,516	--	--	2,372	--	23,866	15	263	--
All areas:									
D	49,235	11,792	--	1,272	13,815	2,591	10,905	4,130	4,730
C	489,550	55,631	3,192	125,759	62,275	166,702	46,578	21,634	8,049
B	1,505,561	343,634	9,153	391,800	243,888	399,243	83,252	34,589	2
A	2,650,465	609,412	4,143	476,892	644,946	767,821	78,952	68,299	--
Total	4,694,811	1,020,469	16,488	995,723	964,924	1,336,357	219,687	128,382	12,781

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

^{2/} Combined to avoid disclosure.

Table 26.--Log consumption by sawmills by species, resource area, and type of material, California, 1972

(Thousand board feet, local scale)

Resource area and type of material	All species	Douglas-fir	Hemlock	True firs	Redwood	Ponderosa and sugar pines	Incense-cedar	Other softwoods	Hardwoods
North Coast:									
Sound	1,602,615	533,474	13,632	55,146	906,755	58,790	2,648	30,439	1,731
Utility	108,688	51,029	177	3,264	42,969	799	46	10,404	--
Total	1,711,303	584,503	13,809	58,410	949,724	59,589	2,694	40,843	1,731
Central Coast:									
Sound	42,520	9,048	--	--	15,030	--	--	18,440	2
Utility	200	30	--	--	170	--	--	--	--
Total	42,720	9,078	--	--	15,200	--	--	18,440	2
Northern Interior:									
Sound	1,163,262	267,159	1,200	292,994	--	499,890	89,870	12,149	--
Utility	24,368	13,416	--	3,526	--	3,821	3,287	318	--
Total	1,187,630	280,575	1,200	296,520	--	503,711	93,157	12,467	--
Sacramento:									
Sound	1,151,157	136,842	1,476	389,215	--	504,202	55,258	53,116	11,048
Utility	10,423	3,902	3	2,257	--	1,508	1,928	825	--
Total	1,161,580	140,744	1,479	391,472	--	505,710	57,186	53,941	11,048
San Joaquin:									
Sound	557,990	5,389	--	243,198	--	241,948	65,052	2,403	--
Utility	7,072	180	--	3,751	--	1,533	1,583	25	--
Total	565,062	5,569	--	246,949	--	243,481	66,635	2,428	--
Southern California:									
Sound	26,516	--	--	2,372	--	23,866	15	263	--
Utility	--	--	--	--	--	--	--	--	--
Total	26,516	--	--	2,372	--	23,866	15	263	--
All areas:									
Sound	4,544,060	951,912	16,308	982,925	921,785	1,328,696	212,843	116,810	12,781
Utility	150,751	68,557	180	12,798	43,139	7,661	6,844	11,572	--
Total	4,694,811	1,020,469	16,488	995,723	964,924	1,336,357	219,687	128,382	12,781

Table 27.--Log consumption by sawmills by species, resource area, and county, California, 1972

(Thousand board feet, local scale)

Resource area and county	All species	Douglas-fir	Hemlock	True firs	Redwood	Ponderosa and sugar pines	Incense-cedar	Other softwoods	Hardwoods
North Coast:									
Del Norte	163,991	26,142	3,237	21,750	112,862	--	--	--	--
Humboldt	973,118	385,917	6,666	25,309	517,404	20,128	1,778	15,016	900
Mendocino	455,366	103,961	3,843	11,351	276,284	39,211	916	19,800	--
Sonoma	118,828	68,485	63	--	43,174	250	--	6,027	831
Total	1,711,303	584,503	13,809	58,410	949,724	59,589	2,694	40,843	1,731
Central Coast:									
Monterey and Santa Cruz ^{1/}	42,720	9,078	--	--	15,200	--	--	18,440	2
Northern Interior:									
Lassen	151,262	8,143	--	46,801	--	93,801	2,135	382	--
Modoc	43,278	120	--	10,929	--	30,310	1,919	--	--
Shasta	372,101	67,129	1,200	78,047	--	167,609	57,516	600	--
Siskiyou	456,379	120,090	--	140,034	--	161,619	23,151	11,485	--
Trinity	164,610	85,093	--	20,709	--	50,372	8,436	--	--
Total	1,187,630	280,575	1,200	296,520	--	503,711	93,157	12,467	--
Sacramento:									
Butte	127,520	11,775	--	59,519	--	21,409	17,447	6,352	11,018
El Dorado	158,474	10,725	--	30,692	--	112,070	1,606	3,381	--
Glenn, Lake, and Tehama ^{1/}	255,141	53,184	--	29,471	--	132,127	6,250	34,109	--
Placer and Nevada ^{1/}	195,100	15,433	--	91,500	--	78,642	9,525	--	--
Plumas and Sierra ^{1/}	290,617	22,390	1,479	141,637	--	107,392	12,859	4,860	--
Yuba	134,728	27,237	--	38,653	--	54,070	9,499	5,239	30
Total	1,161,580	140,744	1,479	391,472	--	505,710	57,186	53,941	11,048
San Joaquin:									
Calaveras and Amador ^{1/}	116,822	3,531	--	21,361	--	56,785	35,145	--	--
Fresno	83,310	--	--	48,238	--	28,223	6,777	72	--
Madera and Mariposa ^{1/}	85,281	--	--	55,474	--	19,651	9,833	323	--
Tulare and Kern ^{1/}	142,329	--	--	77,029	--	54,617	8,650	2,033	--
Tuolumne	137,320	2,038	--	44,847	--	84,205	6,230	--	--
Total	565,062	5,569	--	246,949	--	243,481	66,635	2,428	--
Southern California:									
San Bernardino and San Diego ^{1/}	26,516	--	--	2,372	--	23,866	15	263	--
All areas	4,694,811	1,020,469	16,488	995,723	964,924	1,336,357	219,687	128,382	12,781

^{1/} Combined to avoid disclosure.

Table 28.--Production and disposition of wood and bark residues by sawmills by resource area and mill-size class, California, 1972

(Tons, dry weight)

Resource area and mill-size class ^{1/}	All residues			Wood residue			Bark residue		
	Total	Used ^{2/}	Unused	Total	Used ^{2/}	Unused	Total	Used ^{2/}	Unused
North Coast:									
D	30,060	17,384	12,676	25,861	15,259	10,602	4,199	2,125	2,074
C	209,232	99,980	109,252	169,245	96,753	72,492	39,987	3,227	36,760
B	702,439	494,332	208,107	546,656	445,738	100,918	155,783	48,594	107,189
A	1,803,383	1,204,016	599,367	1,395,486	1,096,173	299,313	407,897	107,843	300,054
Total	2,745,114	1,815,712	929,402	2,137,248	1,653,923	483,325	607,866	161,789	446,077
Central Coast: B, C, and D ^{2/}	54,488	53,812	676	41,624	41,624	--	12,864	12,188	676
Northern Interior:									
D	13,945	112	13,833	10,307	86	10,221	3,638	26	3,612
C	109,678	5,022	104,656	84,226	5,022	79,204	25,452	--	25,452
B	443,986	272,970	171,016	344,840	233,621	111,219	99,146	39,349	59,797
A	1,082,658	1,006,596	76,062	831,550	794,066	37,484	251,108	212,530	38,578
Total	1,650,267	1,284,700	365,567	1,270,923	1,032,795	238,128	379,344	251,905	127,439
Sacramento:									
D	18,383	10,708	7,675	14,101	7,801	6,300	4,282	2,907	1,375
C	214,979	112,188	102,791	166,709	102,726	63,983	48,270	9,462	38,808
B	789,146	581,595	207,551	610,561	454,882	155,679	178,585	126,713	51,872
A	591,488	502,595	88,893	459,081	422,841	36,240	132,407	79,754	52,653
Total	1,613,996	1,207,086	406,910	1,250,452	988,250	262,202	363,544	218,836	144,708
San Joaquin:									
D	6,323	1,008	5,315	4,762	784	3,978	1,561	224	1,337
C	106,606	55,746	50,860	81,127	43,291	37,836	25,479	12,455	13,024
B	178,433	129,192	49,241	131,740	106,796	24,944	46,693	22,396	24,297
A	440,883	360,636	80,247	339,364	285,621	53,743	101,519	75,015	26,504
Total	732,245	546,582	185,663	556,993	436,492	120,501	175,252	110,090	65,162
Southern California: D and C ^{2/}	34,207	34,204	3	26,649	26,647	2	7,558	7,557	1
All areas:									
D	68,711	29,212	39,499	55,031	23,930	31,101	13,680	5,282	8,398
C	674,702	307,140	367,562	527,956	274,439	253,517	146,746	32,701	114,045
B	2,168,492	1,531,901	636,591	1,675,421	1,282,661	392,760	493,071	249,240	243,831
A	3,918,412	3,073,843	844,569	3,025,481	2,598,701	426,780	892,931	475,142	417,789
Total	6,830,317	4,942,096	1,888,221	5,283,889	4,179,731	1,104,158	1,546,428	762,365	784,063

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

^{2/} Residues are not necessarily consumed in the economic area in which they were produced.

^{3/} Combined to avoid disclosure.

Table 29.--Production and disposition of wood residues by sawmills by type

(Tons, dry)

Resource area and mill-size class ^{1/}	All types						
	Total	Total used ^{2/}	Pulp	Board	Fuel	Other	Unused
North Coast:							
D	25,861	15,259	8,151	3,099	121	3,888	10,602
C	169,245	96,753	55,067	13,153	8,891	19,642	72,492
B	546,656	445,738	286,260	60,786	48,502	50,190	100,918
A	1,395,486	1,096,173	537,405	229,499	276,918	52,351	299,313
Total	2,137,248	1,653,923	886,883	306,537	334,432	126,071	483,325
Central Coast: B, C, and D ^{4/}	41,624	41,624	1,531	--	2,105	37,988	--
Northern Interior:							
D	10,307	86	--	--	62	24	10,221
C	84,226	5,022	4,959	--	63	--	79,204
B	344,840	233,621	126,744	16,293	90,584	--	111,219
A	831,550	794,066	391,648	39,840	321,796	40,782	37,484
Total	1,270,923	1,032,795	523,351	56,133	412,505	40,806	238,128
Sacramento:							
D	14,101	7,801	5,821	--	960	1,020	6,300
C	166,709	102,726	77,335	--	22,535	2,856	63,983
B	610,561	454,882	250,136	3,497	185,469	15,780	155,679
A	459,081	422,841	105,031	82,193	235,617	--	36,240
Total	1,250,452	988,250	438,323	85,690	444,581	19,656	262,202
San Joaquin:							
D	4,762	784	--	2	246	536	3,978
C	81,127	43,291	21,506	8,256	1,952	11,577	37,836
B	131,740	106,796	61,268	3,331	20,549	21,648	24,944
A	339,364	285,621	141,847	21,292	71,611	50,871	53,743
Total	556,993	436,492	224,621	32,881	94,358	84,632	120,501
Southern California: C and D ^{4/}	26,649	26,647	--	2,121	90	24,436	2
All areas:							
D	55,031	23,930	13,972	3,101	1,389	5,468	31,101
C	527,956	274,439	158,867	23,530	33,531	58,511	253,517
B	1,675,421	1,282,661	725,939	83,907	347,209	125,606	392,760
A	3,025,481	2,598,701	1,175,931	372,824	905,942	144,004	426,780
Total	5,283,889	4,179,731	2,074,709	483,362	1,288,071	333,589	1,104,158

See footnotes at end of table.

residue, use, resource area, and mill-size class, California, 1972

(eight)

Coarse ^{2/}						
Total	Total used ^{2/}	Pulp	Board	Fuel	Other	Unused
15,927	12,864	8,151	3,099	121	1,493	3,063
108,003	52,068	44,707	3,289	4,072	--	55,935
346,927	314,595	245,236	8,532	21,996	38,831	32,332
878,971	723,213	505,072	39,470	126,320	52,351	155,758
349,828	1,102,740	803,166	54,390	152,509	92,675	247,088
26,247	26,247	1,531	--	2,105	22,611	--
6,562	61	--	--	45	16	6,501
52,160	4,959	4,959	--	--	--	47,201
194,977	167,910	126,744	3,697	37,469	--	27,067
441,350	441,079	384,532	11,288	8,791	36,468	271
695,049	614,009	516,235	14,985	46,305	36,484	81,040
8,766	7,119	5,821	--	960	338	1,647
92,119	78,475	75,183	--	436	2,856	13,644
340,901	295,487	244,302	--	39,779	11,406	45,414
252,805	251,892	93,238	82,193	76,461	--	913
694,591	632,973	418,544	82,193	117,636	14,600	61,618
3,512	451	--	2	246	203	3,061
48,550	29,142	21,506	1,690	--	5,946	19,408
71,602	59,507	57,299	430	--	1,778	12,095
196,899	167,484	141,847	10,441	15,196	--	29,415
320,563	256,584	220,652	12,563	15,442	7,927	63,979
14,385	14,385	--	1,144	90	13,151	--
34,767	20,495	13,972	3,101	1,372	2,050	14,272
315,217	179,029	146,355	6,123	4,598	21,953	136,188
980,654	863,746	675,112	12,659	101,349	74,626	116,908
770,025	1,583,668	1,124,689	143,392	226,768	88,819	186,357
100,663	2,646,938	1,960,128	165,275	334,087	187,448	453,725

Table 29.--Production and disposition of wood residues by sawmills by type of resi

(Tons,

Resource area and mill-size class ^{1/}	Shavings						
	Total	Total used ^{2/}	Pulp	Board	Fuel	Other	Unused
North Coast:							
D	3,122	656	--	--	--	656	2,466
C	16,405	11,411	1,286	8,100	1,004	1,021	4,994
B	60,472	52,689	7,834	32,078	7,804	4,973	7,783
A	193,150	152,674	6,031	110,008	36,635	--	40,476
Total	273,149	217,430	15,151	150,186	45,443	6,650	55,719
Central Coast: ^{4/} B, C, and D	3,844	3,844	--	--	--	3,844	--
Northern Interior:							
D	200	--	--	--	--	--	200
C	9,333	--	--	--	--	--	9,333
B	56,062	32,174	--	12,596	19,578	--	23,888
A	143,726	134,968	7,116	28,552	94,986	4,314	8,758
Total	209,321	167,142	7,116	41,148	114,564	4,314	42,179
Sacramento:							
D	1,679	91	--	--	--	91	1,588
C	27,722	24,135	2,152	--	21,983	--	3,587
B	96,810	73,053	5,834	3,497	59,348	4,374	23,757
A	77,683	72,037	11,793	--	60,244	--	5,646
Total	203,894	169,316	19,779	3,497	141,575	4,465	34,578
San Joaquin:							
D	6	4	--	--	--	4	2
C	8,350	2,277	--	--	1,952	325	6,073
B	15,213	14,452	3,969	2,901	3,965	3,617	761
A	46,392	46,015	--	8,463	19,699	17,853	377
Total	69,961	62,748	3,969	11,364	25,616	21,799	7,213
Southern California: C and D ^{4/}	4,867	4,867	--	389	--	4,478	--
All areas:							
D	5,007	751	--	--	--	751	4,256
C	66,677	42,690	3,438	8,489	24,939	5,824	23,987
B	232,401	176,212	17,637	51,072	90,695	16,808	56,189
A	460,951	405,694	24,940	147,023	211,564	22,167	55,257
Total	765,036	625,347	46,015	206,584	327,198	45,550	139,689

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

^{2/} Not necessarily used in the economic area in which produced.

^{3/} Slabs, edgings, trim, and spur ends.

^{4/} Combined to avoid disclosure.

2, resource area, and mill-size class, California, 1972--Continued

ght)

Sawdust						
Total	Total used ^{2/}	Pulp	Board	Fuel	Other	Unused
6,812	1,739	--	--	--	1,739	5,073
48,837	33,274	9,074	1,764	3,815	18,621	11,563
139,257	78,454	33,190	20,176	18,702	6,386	60,803
323,365	220,286	26,302	80,021	113,963	--	103,079
514,271	333,753	68,566	101,961	136,480	26,746	180,518
11,533	11,533	--	--	--	11,533	--
3,545	25	--	--	17	8	3,520
22,733	63	--	--	63	--	22,670
93,801	33,537	--	--	33,537	--	60,264
246,474	218,019	--	--	218,019	--	28,455
366,553	251,644	--	--	251,636	8	114,909
3,656	591	--	--	--	591	3,065
46,868	116	--	--	116	--	46,752
172,850	86,342	--	--	86,342	--	86,508
128,593	98,912	--	--	98,912	--	29,681
351,967	185,961	--	--	185,370	591	166,006
1,244	329	--	--	--	329	915
24,227	11,872	--	6,566	--	5,306	12,355
44,925	32,837	--	--	16,584	16,253	12,088
96,073	72,122	--	2,388	36,716	33,018	23,951
166,469	117,160	--	8,954	53,300	54,906	49,309
7,397	7,395	--	588	--	6,807	2
15,257	2,684	--	--	17	2,667	12,573
146,062	52,720	9,074	8,918	3,994	30,734	93,342
462,366	242,703	33,190	20,176	155,165	34,172	219,663
794,505	609,339	26,302	82,409	467,610	33,018	185,166
418,190	907,446	68,566	111,503	626,786	100,591	510,744

Table 30.--Production and disposition of bark residue by sawmills by use, resource area, and mill-size class, California, 1972

(Tons, dry weight)

Resource area and mill-size class ^{1/}	All bark	Used ^{2/}					Unused
		Total	Pulp	Board	Fuel	Miscellaneous	
North Coast:							
D	4,199	2,125	--	--	--	2,125	2,074
C	39,987	3,227	--	--	3,227	--	36,760
B	155,783	48,594	--	--	24,028	24,566	107,189
A	407,897	107,843	--	--	78,286	29,557	300,054
Total	607,866	161,789	--	--	105,541	56,248	446,077
Central Coast: B, C, and D ^{3/}	12,864	12,188	--	--	--	12,188	676
Northern Interior:							
D	3,638	26	--	--	17	9	3,612
C	25,452	--	--	--	--	--	25,452
B	99,146	39,349	--	--	25,312	14,037	59,797
A	251,108	212,530	--	--	150,071	62,459	38,578
Total	379,344	251,905	--	--	175,400	76,505	127,439
Sacramento:							
D	4,282	2,907	--	--	--	2,907	1,375
C	48,270	9,462	--	--	--	9,462	38,808
B	178,585	126,713	--	--	44,698	82,015	51,872
A	132,407	79,754	--	--	34,744	45,010	52,653
Total	363,544	218,836	--	--	79,442	139,394	144,708
San Joaquin:							
D	1,561	224	--	--	137	87	1,337
C	25,479	12,455	--	--	--	12,455	13,024
B	46,693	22,396	--	--	3,980	18,416	24,297
A	101,519	75,015	--	--	1,715	73,300	26,504
Total	175,252	110,090	--	--	5,832	104,258	65,162
Southern California: C and D ^{3/}	7,558	7,557	--	--	48	7,509	1
All areas:							
D	13,680	5,282	--	--	154	5,128	8,398
C	146,746	32,701	--	--	3,275	29,426	114,045
B	493,071	249,240	--	--	98,018	151,222	243,831
A	892,931	475,142	--	--	264,816	210,326	417,789
Total	1,546,428	762,365	--	--	366,263	396,102	784,063

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

^{2/} Not necessarily used in the resource area in which produced.

^{3/} Combined to avoid disclosure.

Table 31.--Production and disposition of wood and bark residues by sawmills by resource area and county, California, 1972

(Tons, dry weight)

Resource area and county	All residues			Wood residue			Bark residue		
	Total	Used ^{1/}	Unused	Total	Used ^{1/}	Unused	Total	Used ^{1/}	Unused
North Coast:									
Del Norte	218,100	117,826	100,274	176,010	117,826	58,184	42,090	--	42,090
Humboldt	1,577,003	1,164,664	412,339	1,220,592	1,060,465	160,127	356,411	104,199	252,212
Mendocino	783,293	442,967	340,326	612,532	415,849	196,683	170,761	27,118	143,643
Sonoma	166,718	90,255	76,463	128,114	59,783	68,331	38,604	30,472	8,132
Total	2,745,114	1,815,712	929,402	2,137,248	1,653,923	483,325	607,866	161,789	446,077
Central Coast:									
Monterey and Santa Cruz ^{2/}	54,488	53,812	676	41,624	41,624	--	12,864	12,188	676
Northern Interior:									
Lassen	221,507	165,106	56,401	171,991	127,195	44,796	49,516	37,911	11,605
Modoc	62,583	24,400	38,183	49,397	19,104	30,293	13,186	5,296	7,890
Shasta	471,499	375,157	96,342	356,245	290,412	65,833	115,254	84,745	30,509
Siskiyou	649,300	561,755	87,545	503,367	456,234	47,133	145,933	105,521	40,412
Trinity	245,378	158,282	87,096	189,923	139,850	50,073	55,455	18,432	37,023
Total	1,650,267	1,284,700	365,567	1,270,923	1,032,795	238,128	379,344	251,905	127,439
Sacramento:									
Butte	187,484	102,131	85,353	145,775	96,362	49,413	41,709	5,769	35,940
El Dorado	216,852	191,141	25,711	167,765	150,268	17,497	49,087	40,873	8,214
Glenn, Lake, and Tehama ^{2/}	341,062	267,273	73,789	263,998	220,634	43,364	77,064	46,639	30,425
Placer and Nevada ^{2/}	290,497	222,731	67,766	224,008	167,724	56,284	66,489	55,007	11,482
Plumas and Sierra ^{2/}	388,891	280,803	108,088	302,719	235,349	67,370	86,172	45,454	40,718
Yuba	189,210	143,007	46,203	146,187	117,913	28,274	43,023	25,094	17,929
Total	1,613,996	1,207,086	406,910	1,250,452	988,250	262,202	363,544	218,836	144,708
San Joaquin:									
Calaveras and Amador ^{2/}	154,210	117,598	36,612	118,424	94,600	23,824	35,786	22,998	12,788
Fresno	101,509	71,592	29,917	76,223	55,969	20,254	25,286	15,623	9,663
Hadera and Mariposa ^{2/}	84,425	56,993	27,432	58,553	43,824	14,729	25,872	13,169	12,703
Tulare and Kern ^{2/}	218,694	169,663	49,031	170,482	136,554	33,928	48,212	33,109	15,103
Tuolumne	173,407	130,736	42,671	133,311	105,545	27,766	40,096	25,191	14,905
Total	732,245	546,582	185,663	556,993	436,492	120,501	175,252	110,090	65,162
Southern California:									
San Bernardino and San Diego ^{2/}	34,207	34,204	3	26,649	26,647	2	7,558	7,557	1
All areas	6,830,317	4,942,096	1,888,221	5,283,889	4,179,731	1,104,158	1,546,428	762,365	784,063

^{1/} Not necessarily used in the economic area in which produced.

^{2/} Combined to avoid disclosure.

Table 32.--Production and disposition of wood residues by sawmills by t

(Tons,

Resource area and county	All types						
	Total	Total used ^{1/}	Pulp	Board	Fuel	Other	Unused
North Coast:							
Del Norte	176,010	117,826	86,282	14,208	1,617	15,719	58,184
Humboldt	1,220,592	1,060,465	679,903	114,011	174,564	91,987	160,127
Mendocino	612,532	415,849	116,159	130,666	154,179	14,845	196,683
Sonoma	128,114	59,783	4,539	47,652	4,072	3,520	68,331
Total	2,137,248	1,653,923	886,883	306,537	334,432	126,071	483,325
Central Coast:							
Monterey and Santa Cruz ^{2/}	41,624	41,624	1,531	--	2,105	37,988	--
Northern Interior:							
Lassen	171,991	127,195	70,268	7,493	49,434	--	44,796
Modoc	49,397	19,104	--	--	19,104	--	30,293
Shasta	356,245	290,412	104,104	23,470	126,346	36,492	65,833
Siskiyou	503,367	456,234	257,310	14,959	183,965	--	47,133
Trinity	189,923	139,850	91,669	10,211	33,656	4,314	50,073
Total	1,270,923	1,032,795	523,351	56,133	412,505	40,806	238,128
Sacramento:							
Butte	145,775	96,362	10,568	--	85,403	391	49,413
El Dorado	167,765	150,268	64,049	486	84,974	759	17,497
Glenn, Lake, and Tehama ^{3/}	263,998	220,634	61,181	42,452	105,595	11,406	43,364
Placer and Nevada ^{3/}	224,008	167,724	126,784	3,011	33,717	4,212	56,284
Plumas and Sierra ^{3/}	302,719	235,349	103,738	39,741	91,870	--	67,370
Yuba	146,187	117,913	72,003	--	43,022	2,888	28,274
Total	1,250,452	988,250	438,323	85,690	444,581	19,656	262,202
San Joaquin:							
Calaveras and Amador ^{2/}	118,424	94,600	56,165	7,737	26,513	4,185	23,824
Fresno	76,223	55,969	35,153	8,256	7,749	4,811	20,254
Madera and Mariposa ^{3/}	58,553	43,824	24,862	3,331	10,056	5,575	14,729
Tulare and Kern ^{3/}	170,482	136,554	55,061	13,557	8,795	59,141	33,928
Tuolumne	133,311	105,545	53,380	--	41,245	10,920	27,766
Total	556,993	436,492	224,621	32,881	94,358	84,632	120,501
Southern California:							
San Bernardino and San Diego ^{2/}	26,649	26,647	--	2,121	90	24,436	2
All areas	5,283,889	4,179,731	2,074,709	483,362	1,288,071	333,589	1,104,158

See footnotes at end of table.

residue, use, resource area, and county, California, 1972

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Coarse ^{2/}						
Total	Total used ^{1/}	Pulp	Board	Fuel	Other	Unused
116,912	76,399	76,399	--	--	--	40,513
780,738	743,079	606,069	10,128	45,790	81,092	37,659
375,287	267,806	116,159	37,874	102,647	11,126	107,481
76,891	15,456	4,539	6,388	4,072	457	61,435
349,828	1,102,740	803,166	54,390	152,509	92,675	247,088
26,247	26,247	1,531	--	2,105	22,611	--
94,166	70,283	70,268	--	15	--	23,883
25,404	10,147	--	--	10,147	--	15,257
187,553	158,856	96,988	14,985	10,399	36,484	28,697
281,899	274,623	257,310	--	17,313	--	7,276
106,027	100,100	91,669	--	8,431	--	5,927
695,049	614,009	516,235	14,985	46,305	36,484	81,040
80,580	73,090	8,416	--	64,403	271	7,490
92,973	87,237	64,049	--	23,136	52	5,736
146,376	123,648	49,388	42,452	20,402	11,406	22,728
126,385	120,950	120,950	--	--	--	5,435
165,652	148,496	103,738	39,741	5,017	--	17,156
82,625	79,552	72,003	--	4,678	2,871	3,073
694,591	632,973	418,544	82,193	117,636	14,600	61,618
73,289	62,792	56,165	1,657	4,970	--	10,497
47,904	33,077	31,184	1,690	--	203	14,827
30,960	25,531	24,862	430	239	--	5,429
92,566	71,578	55,061	8,786	7	7,724	20,988
75,844	63,606	53,380	--	10,226	--	12,238
320,563	256,584	220,652	12,563	15,442	7,927	63,979
14,385	14,385	--	1,144	90	13,151	--
100,663	2,646,938	1,960,128	165,275	334,087	187,448	453,725

Table 32.--Production and disposition of wood residues by sawmills by type

(Tons,)

Resource area and county	Shavings						
	Total	Total used ^{1/}	Pulp	Board	Fuel	Other	Unused
North Coast:							
Del Norte	15,050	14,208	--	14,208	--	--	842
Humboldt	149,584	123,355	15,151	62,996	39,450	5,758	26,229
Mendocino	89,496	63,235	--	57,242	5,993	--	26,261
Sonoma	19,019	16,632	--	15,740	--	892	2,387
Total	273,149	217,430	15,151	150,186	45,443	6,650	55,719
Central Coast:							
Monterey and Santa Cruz ^{3/}	3,844	3,844	--	--	--	3,844	--
Northern Interior:							
Lassen	29,505	26,007	--	7,493	18,514	--	3,498
Modoc	11,224	3,772	--	--	3,772	--	7,452
Shasta	60,170	46,807	7,116	8,485	31,206	--	13,363
Siskiyou	78,141	62,414	--	14,959	47,455	--	15,727
Trinity	30,281	28,142	--	10,211	13,617	4,314	2,139
Total	209,321	167,142	7,116	41,148	114,564	4,314	42,179
Sacramento:							
Butte	25,074	17,502	2,152	--	15,324	26	7,572
El Dorado	26,933	21,310	--	486	20,597	227	5,623
Glenn, Lake, and Tehama ^{3/}	42,634	42,468	11,793	--	30,675	--	166
Placer and Nevada ^{3/}	33,435	24,352	5,834	3,011	11,295	4,212	9,083
Plumas and Sierra ^{3/}	53,610	43,511	--	--	43,511	--	10,099
Yuba	22,208	20,173	--	--	20,173	--	2,035
Total	203,894	169,316	19,779	3,497	141,575	4,465	34,578
San Joaquin:							
Calaveras and Amador ^{3/}	12,904	11,059	--	4,424	6,635	--	1,845
Fresno	3,975	3,973	3,969	--	--	4	2
Madera and Mariposa ^{3/}	2,960	2,960	--	2,901	59	--	--
Tulare and Kern ^{2/}	31,558	26,569	--	4,039	5,858	16,672	4,989
Tuolumne	18,564	18,187	--	--	13,064	5,123	377
Total	69,961	62,748	3,969	11,364	25,616	21,799	7,213
Southern California:							
San Bernardino and San Diego ^{3/}	4,867	4,867	--	389	--	4,478	--
All areas	765,036	625,347	46,015	206,584	327,198	45,550	139,689

^{1/} Not necessarily used in the resource area in which produced.^{2/} Slabs, edging, trim, and spur ends.^{3/} Combined to avoid disclosure.

due, use, resource area, and county, California, 1972--Continued

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Sawdust						
Total	Total used	Pulp	Board	Fuel	Other	Unused
44,048	27,219	9,883	--	1,617	15,719	16,829
290,270	194,031	58,683	40,887	89,324	5,137	96,239
147,749	84,808	--	35,550	45,539	3,719	62,941
32,204	27,695	--	25,524	--	2,171	4,509
514,271	333,753	68,566	101,961	136,480	26,746	180,518
11,533	11,533	--	--	--	11,533	--
48,320	30,905	--	--	30,905	--	17,415
12,769	5,185	--	--	5,185	--	7,584
108,522	84,749	--	--	84,741	8	23,773
143,327	119,197	--	--	119,197	--	24,130
53,615	11,608	--	--	11,608	--	42,007
366,553	251,644	--	--	251,636	8	114,909
40,121	5,770	--	--	5,676	94	34,351
47,859	41,721	--	--	41,241	480	6,138
74,988	54,518	--	--	54,518	--	20,470
64,188	22,422	--	--	22,422	--	41,766
83,457	43,342	--	--	43,342	--	40,115
41,354	18,188	--	--	18,171	17	23,166
351,967	185,961	--	--	185,370	591	166,006
32,231	20,749	--	1,656	14,908	4,185	11,482
24,344	18,919	--	6,566	7,749	4,604	5,425
24,633	15,333	--	--	9,758	5,575	9,300
46,358	38,407	--	732	2,930	34,745	7,951
38,903	23,752	--	--	17,955	5,797	15,151
166,469	117,160	--	8,954	53,300	54,906	49,309
7,397	7,395	--	588	--	6,807	2
418,190	907,446	68,566	111,503	626,786	100,591	510,744

Table 33.--Production and disposition of bark residue by sawmills by use, resource area, and county, California, 1972

(Tons, dry weight)

Resource area and county	All bark	Used ^{1/}					Unused
		Total	Pulp	Board	Fuel	Miscellaneous	
North Coast:							
Del Norte	42,090	--	--	--	--	--	42,090
Humboldt	356,411	104,199	--	--	83,195	21,004	252,212
Mendocino	170,761	27,118	--	--	22,346	4,772	143,643
Sonoma	38,604	30,472	--	--	--	30,472	8,132
Total	607,866	161,789	--	--	105,541	56,248	446,077
Central Coast:							
Monterey and Santa Cruz ^{2/}	12,864	12,188	--	--	--	12,188	676
Northern Interior:							
Lassen	49,516	37,911	--	--	--	37,911	11,605
Modoc	13,186	5,296	--	--	5,296	--	7,890
Shasta	115,254	84,745	--	--	74,491	10,254	30,509
Siskiyou	145,933	105,521	--	--	95,613	9,908	40,412
Trinity	55,455	18,432	--	--	--	18,432	37,023
Total	379,344	251,905	--	--	175,400	76,505	127,439
Sacramento:							
Butte	41,709	5,769	--	--	5,679	90	35,940
El Dorado	49,087	40,873	--	--	22,075	18,798	8,214
Glenn, Lake, and Tehama ^{2/}	77,064	46,639	--	--	3,234	43,405	30,425
Placer and Nevada ^{2/}	66,489	55,007	--	--	14,223	40,784	11,482
Plumas and Sierra ^{2/}	86,172	45,454	--	--	23,586	21,868	40,718
Yuba	43,023	25,094	--	--	10,645	14,449	17,929
Total	363,544	218,836	--	--	79,442	139,394	144,708
San Joaquin:							
Calaveras and Amador ^{2/}	35,786	22,998	--	--	1,715	21,283	12,788
Fresno	25,286	15,623	--	--	3,980	11,643	9,663
Madera and ^{2/}	25,872	13,169	--	--	134	13,035	12,703
Mariposa ^{2/}	48,212	33,109	--	--	3	33,106	15,103
Tulare and Kern ^{2/}	40,096	25,191	--	--	--	25,191	14,905
Tuolumne							
Total	175,252	110,090	--	--	5,832	104,258	65,162
Southern California:							
San Bernardino and San Diego ^{2/}	7,558	7,557	--	--	48	7,509	1
All areas	1,546,428	762,365	--	--	366,263	396,102	784,063

^{1/} Not necessarily used in the resource area in which produced.

^{2/} Combined to avoid disclosure.

Table 34.--Lumber production by sawmills by degree of manufacture, resource area, and mill-size class, California, 1972

(Thousand board feet, lumber tally)

Resource area and mill-size class ^{1/}	Green	Kiln-dried	Air-dried	Total	Rough	Surfaced	Remanufactured
North Coast:							
D	26,894	632	--	27,526	11,726	15,168	632
C	144,155	15,112	17,109	176,376	84,782	91,594	--
B	410,552	82,977	38,848	532,377	172,862	356,610	2,905
A	1,064,773	297,866	18,841	1,381,480	344,727	1,014,544	22,209
Total	1,646,374	396,587	74,798	2,117,759	614,097	1,477,916	25,746
Central Coast: B, C, and D ^{2/}	43,742	--	578	44,320	24,405	19,915	--
Northern Interior:							
D	12,056	--	699	12,755	11,735	1,020	--
C	36,410	6,462	44,759	87,631	58,434	29,197	--
B	101,030	220,837	23,517	345,384	65,848	279,536	--
A	252,336	596,831	29,981	879,148	140,215	732,362	6,571
Total	401,832	824,130	98,956	1,324,918	276,232	1,042,115	6,571
Sacramento:							
D	7,845	6,000	490	14,335	4,975	9,210	150
C	74,965	87,854	6,259	169,078	31,525	137,553	--
B	191,087	361,325	72,700	625,112	143,078	473,834	8,200
A	37,945	417,451	8,400	463,796	77,971	385,825	--
Total	311,842	872,630	87,849	1,272,321	257,549	1,006,422	8,350
San Joaquin:							
D	5,178	--	82	5,260	5,230	30	--
C	22,360	53,150	13,340	88,850	46,400	42,450	--
B	48,432	75,599	40,670	164,701	81,802	82,899	--
A	67,963	186,470	99,238	353,671	123,188	225,183	5,300
Total	143,933	315,219	153,330	612,482	256,620	350,562	5,300
Southern California: C and D ^{2/}	13,173	10,538	2,805	26,516	2,541	23,711	264
All areas:							
D	51,973	6,632	1,271	59,876	33,666	25,428	782
C	291,063	173,116	84,272	548,451	223,682	324,505	264
B	794,843	740,738	176,313	1,711,894	487,995	1,212,794	11,105
A	1,423,017	1,498,618	156,460	3,078,095	686,101	2,357,914	34,080
Total	2,560,896	2,419,104	418,316	5,398,316	1,431,444	3,920,641	46,231

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

^{2/} Combined to avoid disclosure.

Table 35.--Lumber production by sawmills by mill-size class and resource area, California, 1972

(Thousand board feet, lumber tally)

Resource area	All classes	Mill-size class ^{1/}			
		D	C	B	A
North Coast	2,117,759	27,526	176,376	532,377	1,381,480
Central Coast	44,320	(^{2/})	(^{2/})	44,320	--
Northern Interior	1,324,918	12,755	87,631	345,384	879,148
Sacramento	1,272,321	14,335	169,078	625,112	463,796
San Joaquin	612,482	5,260	88,850	164,701	353,671
Southern California	26,516	(^{3/})	26,516	--	--
All areas	5,398,316	59,876	548,451	1,711,894	3,078,095

^{1/} Mill-size classes are as follows: class A mills = 120,000+ board-foot capacity per 8-hour shift, B = 80,000-119,999, C = 40,000-79,999, D = less than 40,000.

^{2/} Combined with mill-size class B to avoid disclosure for Central Coast.

^{3/} Combined with mill-size class C to avoid disclosure for southern California.

Table 36.--Number of veneer and plywood mills by type of mill, resource area, and county, California, 1972

Resource area and county	All types	Veneer only	Layup only	Veneer and layup
North Coast:				
Del Norte	4	3	--	1
Humboldt	9	4	--	5
Mendocino	1	--	--	1
Sonoma	1	--	--	1
Total	15	7	--	8
Northern Interior:				
Shasta	2	--	--	2
Siskiyou	3	2	--	1
Total	5	2	--	3
Sacramento:				
El Dorado	1	1	--	--
Nevada	1	1	--	--
Tehama	1	--	--	1
Total	3	2	--	1
San Joaquin:				
Amador	1	--	--	1
Tuolumne	1	--	--	1
Total	2	--	--	2
All areas	25	11	--	14

Table 37.--Installed 8-hour capacity of veneer and plywood mills by type of mill, resource area, and county, California, 1972

(Thousand square feet, 3/8-inch basis)

Resource area and county	Veneer only	Veneer and layup
North Coast:		
Del Norte	800	120
Humboldt	459	717
Mendocino	--	142
Sonoma	--	120
Total	1,259	1,099
Northern Interior:		
Shasta	--	315
Siskiyou	650	155
Total	650	470
Sacramento:		
El Dorado	50	--
Nevada	50	--
Tehama	--	130
Total	100	130
San Joaquin:		
Amador	--	165
Tuolumne	--	100
Total	--	265
All areas	2,009	1,964

Table 38.--Number of veneer and plywood mills by lathe log diameter limit and resource area, California, 1972

Resource area	Lathe log diameter (inches)							
	Layup only	20-29	30-39	40-49	50-59	60-69	70-79	80+
North Coast	--	--	--	--	--	1	5	9
Northern Interior	--	--	--	--	--	1	1	3
Sacramento	--	--	--	1	--	2	--	--
San Joaquin	--	--	--	--	--	--	1	1
All areas	--	--	--	1	--	4	7	13

Table 39.--Number of veneer and plywood mills by size of core produced and resource area, California, 1972

Resource area	Diameter of cores (inches)							
	3	4	5	6	7	8	9	10+
North Coast	--	--	1	2	2	3	2	5
Northern Interior	--	--	--	--	2	2	1	--
Sacramento	--	--	--	2	1	--	--	--
San Joaquin	--	--	--	1	--	--	--	1
All areas	--	--	1	5	5	5	3	6

Table 40.--Number of veneer and plywood mills having selected equipment, by resource area and county, California, 1972

Resource area and county	4-foot lathe	8-foot lathe	Slicer	Veneer chipper	Core chipper	Cold press	Hot press	Burner
North Coast:								
Del Norte	1	4	--	4	4	--	1	3
Humboldt	3	9	1	8	2	--	5	5
Mendocino	--	1	--	1	--	--	1	--
Sonoma	1	1	--	1	--	--	1	1
Total	5	15	1	14	6	--	8	9
Northern Interior:								
Shasta	1	2	1	1	--	--	2	1
Siskiyou	1	3	1	2	1	--	1	1
Total	2	5	2	3	1	--	3	2
Sacramento:								
El Dorado	1	--	--	1	--	--	--	1
Nevada	1	--	--	--	--	--	--	1
Tehama	--	1	--	1	1	--	1	--
Total	2	1	--	2	1	--	1	2
San Joaquin:								
Amador	--	1	--	1	1	--	1	--
Tuolumne	--	1	--	1	1	1	1	1
Total	--	2	--	2	2	1	2	1
All areas	9	23	3	21	10	1	14	14

Table 41.--Number of veneer and plywood mills by years of tenure of present mill ownership, resource area, and years at site, California, 1972

Resource area and years at site	All mills	Tenure of present mill ownership (years)				
		0-2	3-5	6-10	11-20	21+
North Coast:						
3 - 5	2	--	2	--	--	--
6 - 10	2	--	--	2	--	--
11 - 20	7	1	--	1	5	--
21+	4	1	1	1	1	--
Total	15	2	3	4	6	--
Northern Interior:						
3 - 5	1	--	1	--	--	--
6 - 10	1	--	--	1	--	--
11 - 20	1	--	--	--	1	--
21+	2	--	--	--	1	1
Total	5	--	1	1	2	1
Sacramento:						
3 - 5	1	--	1	--	--	--
11 - 20	2	--	--	1	1	--
Total	3	--	1	1	1	--
San Joaquin:						
11 - 20	2	--	1	1	--	--
All areas:						
3 - 5	4	--	4	--	--	--
6 - 10	3	--	--	3	--	--
11 - 20	12	1	1	3	7	--
21+	6	1	1	1	2	1
Total	25	2	6	7	9	1

Table 42.--Average number of operating days of veneer and plywood mills by type of mill and resource area, California, 1972

Resource area	Veneer only	Veneer and layup
North Coast	235	247
Northern Interior	278	243
Sacramento	230	260
San Joaquin	--	253
All areas	242	248

Table 43.--Log consumption by veneer and plywood mills by type of material and resource area, California, 1972

(Thousand board feet, local scale)

Resource area	Total roundwood	Sound logs		Utility logs
		Live	Dead	
North Coast	393,290	327,009	45,554	20,727
Northern Interior	150,565	140,943	1,500	8,122
Sacramento and San Joaquin ^{1/}	101,253	100,912	341	--
All areas	645,108	568,864	47,395	28,849

^{1/} Combined to avoid disclosure.

Table 44.--Log consumption by veneer and plywood mills by timber age group and resource area, California, 1972

(Thousand board feet, local scale)

Resource area	All age groups	Old growth (100+ years)	Young growth (less than 100 years)
North Coast	393,290	335,245	58,045
Northern Interior	150,565	136,037	14,528
Sacramento and San Joaquin ^{1/}	101,253	85,897	15,356
All areas	645,108	557,179	87,929

^{1/} Combined to avoid disclosure.

Table 45.--Log inventory changes, log consumption, and apparent log receipts of veneer and plywood mills by resource area, California, 1972

(Thousand board feet, local scale)

Resource area	Log inventory			1972 log consumption	Apparent 1972 log receipts
	January 1, 1972	December 31, 1972	Net change		
North Coast	62,210	70,908	8,698	393,290	401,988
Northern Interior	47,026	50,787	3,761	150,565	154,326
Sacramento and San Joaquin ^{1/}	70,849	69,803	-1,046	101,253	100,207
All areas	180,085	191,498	11,413	645,108	656,521

^{1/} Combined to avoid disclosure.

Table 46.--Log consumption of veneer and plywood mills by ownership class and resource area, California, 1972

(Thousand board feet, local scale)

Resource area	All owners	National Forest	State	Bureau of Land Management	Other public	Forest industry		Farmer and miscellaneous private
						Own wood supply	Other wood supply	
North Coast	393,290	65,301	1,595	1,320	13,400	258,418	17,401	35,855
Northern Interior	150,565	90,234	--	1,638	--	18,116	30,007	10,570
Sacramento and San Joaquin ^{1/}	101,253	65,802	--	--	--	25,292	--	10,159
All areas	645,108	221,337	1,595	2,958	13,400	301,826	47,408	56,584

^{1/} Combined to avoid disclosure.

Table 47.--Dependency of veneer and plywood mills for logs by ownership origin and resource area, California, 1972

(Number of mills)

Resource area	National Forest				State				Bureau of Land Management				Other public				Forest industry								Farmer and miscellaneous private			
																	Own wood supply				Other wood supply							
	Dependency percent																											
	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	0	1-32	33-66	67-100	0	1-32	33-66	67-100	0	1-32	33-66	67-100
North Coast	9	1	2	3	14	1	--	--	14	1	--	--	13	1	--	1	6	--	2	7	14	--	--	1	5	8	2	--
Northern Interior	--	1	2	2	5	--	--	--	4	1	--	--	5	--	--	--	2	2	1	--	3	1	1	--	2	3	--	--
Sacramento	--	1	2	--	3	--	--	--	3	--	--	--	3	--	--	--	1	1	1	--	3	--	--	--	1	--	1	1
San Joaquin	--	--	--	2	2	--	--	--	2	--	--	--	2	--	--	--	--	2	--	--	2	--	--	--	2	--	--	--
All areas	9	3	6	7	24	1	--	--	23	2	--	--	23	1	--	1	9	5	4	7	22	1	1	1	10	11	3	1

Table 48.--Log consumption by veneer and plywood mills by species, resource area, and type of material, California, 1972

(Thousand board feet, local scale)

Resource area and type of material	All species	Douglas-fir	Hemlock	True firs	Redwood	Ponderosa and sugar pines	Incense-cedar	Other softwoods	Hardwoods
North Coast:									
Sound	372,563	297,063	2,404	27,154	42,138	365	--	3,439	--
Utility	20,727	18,249	78	1,425	75	78	--	822	--
Total	393,290	315,312	2,482	28,579	42,213	443	--	4,261	--
Northern Interior:									
Sound	142,444	76,712	--	47,803	--	17,929	--	--	--
Utility	8,121	4,237	--	2,631	--	1,253	--	--	--
Total	150,565	80,949	--	50,434	--	19,182	--	--	--
Sacramento and San Joaquin: ^{1/}									
Sound	101,253	7,056	--	86,422	--	7,550	--	225	--
Utility	--	--	--	--	--	--	--	--	--
Total	101,253	7,056	--	86,422	--	7,550	--	225	--
All areas:									
Sound	616,260	380,831	2,404	161,379	42,138	25,844	--	3,664	--
Utility	28,848	22,486	78	4,056	75	1,331	--	822	--
Total	645,108	403,317	2,482	165,435	42,213	27,175	--	4,486	--

^{1/} Combined to avoid disclosure.

Table 49.--Production and disposition of wood and bark residues by veneer and plywood mills,
by resource area, California, 1972

(Tons, dry weight)

Resource area	All residues			Wood residue			Bark residue		
	Total	Used ^{1/}	Unused	Total	Used ^{1/}	Unused	Total	Used ^{1/}	Unused
North Coast	540,227	451,022	89,205	417,614	396,908	20,706	122,613	54,114	68,499
Northern Interior	168,311	154,793	13,518	139,577	137,190	2,387	28,734	17,603	11,131
Sacramento and San Joaquin ^{2/}	142,226	128,078	14,148	110,173	102,005	8,168	32,053	26,073	5,980
All areas	850,764	733,893	116,871	667,364	636,103	31,261	183,400	97,790	85,610

^{1/} Not necessarily used in the resource area in which produced.

^{2/} Combined to avoid disclosure.

Table 50.--Production and disposition of wood residue by veneer and plywood mills by type of residue, use, and resource area, California, 1972

(Tons, dry weight)

Resource area	All types						Coarse and medium ^{2/}						Fine ^{3/}					
	Total	Total used ^{1/}	Pulp and board	Fuel	Miscel- laneous	Unused	Total	Total used ^{1/}	Pulp and board	Fuel	Miscel- laneous	Unused	Total	Total used ^{1/}	Pulp and board	Fuel	Miscel- laneous	Unused
North Coast	417,614	396,908	301,068	57,718	38,122	20,706	404,023	386,218	300,413	49,993	35,812	17,805	13,591	10,690	655	7,725	2,310	2,901
Northern Interior	139,577	137,190	109,565	14,268	13,357	2,387	135,028	133,006	109,565	10,084	13,357	2,022	4,549	4,184	--	4,184	--	365
Sacramento and San Joaquin ^{4/}	110,173	102,005	85,353	14,959	1,693	8,168	105,388	98,892	85,014	12,185	1,693	6,496	4,785	3,113	339	2,774	--	1,672
All areas	667,364	636,103	495,986	86,945	53,172	31,261	644,439	618,116	494,992	72,262	50,862	26,323	22,925	17,987	994	14,683	2,310	4,938

^{1/} Not necessarily used in the resource area in which produced.

^{2/} Includes log trim, cores, veneer clippings, rejected veneer, roundup, and spur trim.

^{3/} Includes sawdust and sander dust.

^{4/} Combined to avoid disclosure.

Table 51.--*Production and disposition of bark residue by veneer and plywood mills by use and resource area, California, 1972*

(Tons, dry weight)

Resource area	All bark	Used ^{1/}				Unused
		Total	Pulp and board	Fuel	Other	
North Coast	122,613	54,114	--	54,114	--	68,499
Northern Interior	28,734	17,603	--	14,435	3,168	11,131
Sacramento and San Joaquin ^{2/}	32,053	26,073	--	1,064	25,009	5,980
All areas	183,400	97,790	--	69,613	28,177	85,610

^{1/} Not necessarily used in the resource area in which produced.

^{2/} Combined to avoid disclosure.

Table 52.--Number of pulpmills and boardmills by type of operation, resource area, and county, California, 1972

Resource area and county	All mills	Type of pulpmill				Type of boardmill	
		Sulfite	Sulfate	Groundwood ^{1/}	Semichemical	Hardboard	Particleboard
North Coast:							
Del Norte	1	--	--	--	--	--	1
Humboldt	3	--	2	--	--	--	1
Mendocino	2	--	--	--	--	1	1
Total	6	--	2	--	--	1	3
Central Coast:							
Contra Costa	4	--	1	2	1	--	--
Total	4	--	1	2	1	--	--
Northern Interior:							
Shasta	2	--	1	--	--	--	1
Total	2	--	1	--	--	--	1
Sacramento:							
Plumas	1	--	--	--	--	--	1
Tehama	1	--	--	1	--	--	--
Total	2	--	--	1	--	--	1
San Joaquin:							
Amador	1	--	--	--	--	--	1
Madera	1	--	--	--	--	--	1
Total	2	--	--	--	--	--	2
Southern California:							
Los Angeles	1	--	--	1	--	--	--
San Bernardino	1	--	--	--	--	--	1
Total	2	--	--	1	--	--	1
All areas	18	--	4	4	1	1	8

^{1/} Includes three roofing-felt mills.

Table 53.--Installed 24-hour capacity of pulpmills and board mills by type of mill, resource area, and county, California, 1972

Resource area and county	Type of pulpmill			Type of boardmill	
	Sulfate	Groundwood ^{1/}	Semichemical	Hardboard	Particleboard
	----- Tons, dry weight -----			Thousand square feet (1/8-inch basis) (3/4-inch basis)	
North Coast:					
Del Norte	--	--	--	--	80
Humboldt	1,140	--	--	--	300
Mendocino	--	--	--	950	215
Total	1,140	--	--	950	595
Central Coast:					
Contra Costa	610	118	240	--	--
Total	610	118	240	--	--
Northern Interior:					
Shasta	150	--	--	--	225
Total	150	--	--	--	225
Sacramento:					
Plumas	--	--	--	--	120
Tehama	--	80	--	--	--
Total	--	80	--	--	120
San Joaquin:					
Amador	--	--	--	--	335
Madera	--	--	--	--	125
Total	--	--	--	--	460
Southern California:					
Los Angeles	--	260	--	--	--
San Bernardino	--	--	--	--	100
Total	--	260	--	--	100
All areas	1,900	458	240	950	1,500

^{1/} Includes three roofing-felt mills.

Table 54.--Number of pulpmills and boardmills by years of tenure of present ownership, type of mill, and years at site, California, 1972

Mill type and years at site	All mills	Tenure of present ownership (years)				
		0-2	3-5	6-10	11-20	21+
Sulfate:						
6 - 10	3	2	--	1	--	--
21+	1	--	--	--	--	1
Total	4	2	--	1	--	1
Groundwood: ^{1/}						
11 - 20	1	--	--	--	1	--
21+	3	--	--	--	--	3
Total	4	--	--	--	1	3
Semichemical:						
21+	1	--	--	--	--	1
Hardboard:						
21+	1	--	--	--	--	1
Particleboard:						
0 - 2	3	3	--	--	--	--
6 - 10	2	--	--	2	--	--
11 - 20	2	--	--	1	1	--
21+	1	--	--	--	--	1
Total	8	3	--	3	1	1
All mills:						
0 - 2	3	3	--	--	--	--
6 - 10	5	2	--	3	--	--
11 - 20	3	--	--	1	2	--
21+	7	--	--	--	--	7
Total	18	5	--	4	2	7

^{1/} Includes two roofing-felt mills.

Table 55.--Average number of operating days of pulpmills and boardmills by resource area, California, 1972

Resource area	Pulp ^{1/}	Board
North Coast	351	308
Central Coast	352	--
Northern Interior	355	267
Sacramento	269	248
San Joaquin	--	^{2/} 136
Southern California	360	^{2/} 25
All areas	343	227

^{1/} Includes three roofing-felt mills.

^{2/} These low averages are the result of a new mill beginning operation late in the year and an existing mill being shut down for most of the year; thus these averages do not reflect the normal status of the industry in these two areas.

Table 56.--Wood consumption by pulpmills and boardmills by type of material consumed and resource area, California, 1972

Resource area	Roundwood					Other			
	Total	Sound logs		Utility logs	Total	Chips		Sawdust	Shavings and bark
		Live	Dead			From mill residue	From other sources		
	- - -	<i>Thousand board feet, local scale</i> - - -					<i>Tons, dry weight</i> - - -		
North Coast	6,000	--	--	6,000	1,443,883	1,134,070	--	98,644	211,169
Central Coast	14,077	--	--	14,077	494,638	339,254	152,000	3,384	--
Northern Interior and Sacramento ^{1/}	--	--	--	--	306,016	237,594	--	10,308	58,114
San Joaquin and Southern California ^{1/}	--	--	--	--	75,470	23,562	--	13,964	37,944
All areas	20,077	--	--	20,077	2,320,007	1,734,480	152,000	126,300	307,227

Table 57.--Log consumption by pulpmills and boardmills by timber age group and resource area, California, 1972

(Thousand board feet, local scale)

Resource area	All age groups	Old growth (100+ years)	Young growth (less than 100 years)
North Coast	6,000	6,000	--
Central Coast	14,077	14,077	--
All areas	20,077	20,077	--

Table 58.--Log consumption of pulpmills and boardmills by ownership class and resource area, California, 1972

(Thousand board feet, local scale)

Resource area	All owners	National Forest	State	Forest industry		Farmer and miscellaneous private
				Own wood supply	Other wood supply	
North Coast	6,000	--	--	6,000	--	--
Central Coast	14,077	--	--	7,742	6,335	--
All areas	20,077	--	--	13,742	6,335	--

Table 59.--Dependency of pulpmills and boardmills for logs by ownership origin and resource area, California, 1972

(Number of mills)

Resource area	National Forest				State				Forest industry								Farmer and miscellaneous private			
									Own wood supply				Other wood supply							
	Dependency percent																			
	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	0	1-32	33-66	67-100
North Coast	6	--	--	--	6	--	--	--	5	--	--	1	6	--	--	--	6	--	--	--
Central Coast	4	--	--	--	4	--	--	--	2	--	2	--	2	--	2	--	4	--	--	--
All areas	10	--	--	--	10	--	--	--	7	--	2	1	8	--	2	--	10	--	--	--

Table 60.--Log consumption by pulpmills and boardmills by species, resource area, and type of material, California, 1972

(Thousand board feet, local scale)

Resource area and type of material	All species	Douglas-fir	Hemlock	True firs	Redwood	Ponderosa and sugar pines	Incense-cedar	Other softwoods	Hardwoods
North Coast:									
Sound	--	--	--	--	--	--	--	--	--
Utility	6,000	3,600	--	--	2,400	--	--	--	--
Total	6,000	3,600	--	--	2,400	--	--	--	--
Central Coast:									
Sound	--	--	--	--	--	--	--	--	--
Utility	14,077	9,150	--	4,927	--	--	--	--	--
Total	14,077	9,150	--	4,927	--	--	--	--	--
All areas:									
Sound	--	--	--	--	--	--	--	--	--
Utility	20,077	12,750	--	4,927	2,400	--	--	--	--
Total	20,077	12,750	--	4,927	2,400	--	--	--	--

Table 61.--*Pulpmill and boardmill consumption of mill residues and chips from other sources by State, resource area, and type of material, California, 1972*
(Tons, dry weight)

Resource area and type of material	Total volume	California	Oregon
North Coast:			
Chip residue	1,134,070	1,079,710	54,360
Chips, other sources	--	--	--
Sawdust	98,644	98,644	--
Shavings and bark	211,169	198,874	12,295
Total	1,443,883	1,377,228	66,655
Central Coast:			
Chip residue	339,254	339,254	--
Chips, other sources	152,000	152,000	--
Sawdust	3,384	3,384	--
Shavings and bark	--	--	--
Total	494,638	494,638	--
Northern Interior and Sacramento:^{1/}			
Chip residue	237,594	237,594	--
Chips, other sources	--	--	--
Sawdust	10,308	10,308	--
Shavings and bark	58,114	58,114	--
Total	306,016	306,016	--
San Joaquin and Southern California:^{1/}			
Chip residue	23,562	23,562	--
Chips, other sources	--	--	--
Sawdust	13,964	13,964	--
Shavings and bark	37,944	37,944	--
Total	75,470	75,470	--
All areas:			
Chip residue	1,734,480	1,680,120	54,360
Chips, other sources	152,000	152,000	--
Sawdust	126,300	126,300	--
Shavings and bark	307,227	294,932	12,295
Total	2,320,007	2,253,352	66,655

^{1/}

Combined to avoid disclosure.

Table 62.--Number of "other industry" mills by type of industry, resource area, and county, California, 1972

Resource area and county	All types	Shake and shingle	Export	Post, pole, and piling
North Coast:				
Del Norte	1	1	--	--
Humboldt	5	1	4	--
Mendocino	5	5	--	--
Sonoma	1	--	--	1
Total	12	7	4	1
Northern Interior:				
Siskiyou	1	--	--	1
Total	1	--	--	1
Sacramento:				
Butte	1	--	--	1
Sacramento	1	--	1	--
Total	2	--	1	1
San Joaquin:				
Madera	1	--	--	1
San Joaquin	2	--	1	1
Total	3	--	1	2
Southern California:				
Los Angeles	1	--	--	1
Total	1	--	--	1
All areas	19	7	6	6

Table 63.--Installed capacity of "other industry" mills by resource area and county, California, 1972

Resource area and county	Shake and shingle (8-hour shift)	Post, pole, and piling (yearly)
	<i>Squares</i>	<i>Thousand board feet, local scale</i>
North Coast:		
Del Norte	80	--
Humboldt	25	--
Mendocino	107	--
Sonoma	--	16,250
Total	212	16,250
Northern Interior:		
Siskiyou	--	4,500
Total	--	4,500
Sacramento:		
Butte	--	7,315
Total	--	7,315
San Joaquin:		
Madera	--	1,800
San Joaquin	--	16,425
Total	--	18,225
Southern California:		
Los Angeles	--	12,000
Total	--	12,000
All areas	212	58,290

Table 64.--Number of "other industry" mills with selected equipment, by resource area and county, California, 1972

Resource area and county	Chipper	Barker	Burner
North Coast:			
Del Norte	--	--	1
Humboldt	--	--	--
Mendocino	--	--	--
Sonoma	--	--	--
Total	--	--	1
Northern Interior:			
Siskiyou	--	1	--
Total	--	1	--
Sacramento:			
Butte	--	1	1
Total	--	1	1
San Joaquin:			
Madera	--	--	--
San Joaquin	--	1	--
Total	--	1	--
Southern California:			
Los Angeles	--	1	--
Total	--	1	--
All areas	--	4	2

Table 65.--Number of "other industry" mills by years of tenure of present ownership, type of mill, and years at site, California, 1972

Type of mill and years at site	All mills	Tenure of present mill ownership (years)				
		0-2	3-5	6-10	11-20	21+
Shake and shingle:						
0 - 2	1	1	--	--	--	--
3 - 5	2	--	1	1	--	--
6 - 10	3	--	--	3	--	--
11 - 20	1	--	1	--	--	--
Total	7	1	2	4	--	--
Export:						
3 - 5	2	--	2	--	--	--
6 - 10	4	--	--	--	2	2
Total	6	--	2	--	2	2
Post, pole, and piling:						
3 - 5	1	--	1	--	--	--
11 - 20	2	--	--	--	2	--
21+	3	--	--	--	--	3
Total	6	--	1	--	2	3
All mills:						
0 - 2	1	1	--	--	--	--
3 - 5	5	--	4	1	--	--
6 - 10	7	--	--	3	2	2
11 - 20	3	--	1	--	2	--
21+	3	--	--	--	--	3
Total	19	1	5	4	4	5

Table 66.--Average number of operating days per year of "other industry" mills by type of mill and resource area, California, 1972

Resource area	Shake and shingle	Post, pole, and piling
North Coast	157	110
Northern Interior	--	300
Sacramento	--	240
San Joaquin	--	223
Southern California	--	300
All areas	157	233

Table 67.--Log consumption by "other industry" mills by type of material and type of mill, California, 1972

(Thousand board feet, local scale)

Type of mill	All types	Sound logs		Utility logs	Other ^{1/}
		Live	Dead		
Shake and shingle	2,676	605	551	1,520	--
Export	75,665	75,665	--	--	--
Post, pole, and piling	14,703	13,136	--	242	1,325
Total	93,044	89,406	551	1,762	1,325

^{1/} Lumber, cross ties, and miscellaneous other products.

Table 68.--Log consumption by "other industry" mills by timber age group and type of mill, California, 1972

(Thousand board feet, local scale)

Type of mill	All age groups	Old growth (100+ years)	Young growth (less than 100 years)
Shake and shingle	2,676	2,676	--
Export	75,665	24,190	51,475
Post, pole, and piling	13,378	--	13,378
Total	91,719	26,866	64,853

Table 69.--Log consumption of "other industry" mills by ownership class and type of mill, California, 1972

(Thousand board feet, local scale)

Type of mill	All owners	National Forest	State	Forest industry		Farmer and miscellaneous private
				Own wood supply	Other wood supply	
Shake and shingle	2,676	--	241	1,350	275	810
Export	75,665	7,031	1,890	--	38,157	28,587
Post, pole, and piling	13,378	395	--	1,554	3,847	7,582
Total	91,719	7,426	2,131	2,904	42,279	36,979

Table 70.--Dependency of "other industry" mills for logs by ownership origin, resource area, and type of mill, California, 1972

(Number of mills)

Resource area and type of mill	National Forest				State				Bureau of Land Management				Other public				Forest industry				Farmer and miscellaneous private			
	0				1-32				33-66				67-100				0				1-32			
	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	0	1-32	33-66	67-100	0	1-32	33-66	67-100
Dependency percent																								
North Coast:	7	--	--	--	4	--	--	3	7	--	--	--	7	--	--	--	4	2	--	1	3	2	--	2
Shake and shingle	3	1	--	--	4	--	--	--	4	--	--	--	4	--	--	--	1	--	--	3	3	--	--	1
Export	--	--	1	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	--	1	--
Post, pole, and piling	10	1	1	--	9	--	--	3	12	--	--	--	12	--	--	--	6	2	--	4	6	2	1	3
Total	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--
Northern Interior:	--	--	1	--	1	--	--	--	1	--	--	--	1	--	--	--	--	--	1	--	--	--	1	--
Post, pole, and piling	--	--	1	--	1	--	--	--	1	--	--	--	1	--	--	--	--	--	1	--	--	--	1	--
Sacramento:	--	1	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	--	1	--	--	--	1	--
Export	--	1	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	--	1	--	--	--	1	--
Post, pole, and piling	--	1	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	--	1	--	--	--	1	--
Total	--	1	1	--	2	--	--	--	2	--	--	--	2	--	--	--	--	--	2	--	--	1	1	--
San Joaquin:	--	1	--	--	--	1	--	--	1	--	--	--	1	--	--	--	--	--	1	--	--	1	--	--
Export	1	1	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	1	--	--	--	--	--	2
Post, pole, and piling	1	2	--	--	2	1	--	--	3	--	--	--	3	--	--	--	1	1	1	--	--	1	--	2
Total	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--
Southern California:	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--
Post, pole, and piling	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--
All areas:	7	--	--	--	4	--	--	3	7	--	--	--	7	--	--	--	4	2	--	1	3	2	--	2
Shake and shingle	3	2	1	--	5	1	--	--	6	--	--	--	6	--	--	--	1	--	2	3	3	2	--	1
Export	3	2	1	--	6	--	--	--	6	--	--	--	6	--	--	--	2	3	1	--	--	--	4	2
Post, pole, and piling	13	4	2	--	15	1	--	3	19	--	--	--	19	--	--	--	7	5	3	4	6	4	4	5
Total	13	4	2	--	15	1	--	3	19	--	--	--	19	--	--	--	7	5	3	4	6	4	4	5

Table 71.--Log consumption by "other industry" mills by species, type of mill, and type of material, California, 1972

(Thousand board feet, local scale)

Type of mill and material	All species	Douglas-fir	Hemlock	True firs	Redwood	Ponderosa and sugar pines	Incense-cedar	Other softwoods	Hardwoods
Shake and shingle:									
Sound	1,156	--	--	--	586	--	--	570	--
Utility	1,520	--	--	--	1,420	--	--	100	--
Total	2,676	--	--	--	2,006	--	--	670	--
Export:									
Sound	75,665	21,586	2,981	20,101	7,754	13,372	1,113	8,758	--
Utility	--	--	--	--	--	--	--	--	--
Total	75,665	21,586	2,981	20,101	7,754	13,372	1,113	8,758	--
Post, pole, and piling:									
Sound	13,136	8,623	--	182	--	4,258	--	73	--
Utility	242	122	--	69	--	23	--	28	--
Total	13,378	8,745	--	251	--	4,281	--	101	--
All mills:									
Sound	89,957	30,209	2,981	20,283	8,340	17,630	1,113	9,401	--
Utility	1,762	122	--	69	1,420	23	--	128	--
Total	91,719	30,331	2,981	20,352	9,760	17,653	1,113	9,529	--

Table 72.--*Production and disposition of wood and bark residues by shake and shingle mills, California, 1972*

(Tons, dry weight)

Type of residue	Total	Used				Unused
		Total	Pulp and board	Fuel	Other	
Wood	1,351	976	26	434	516	375
Bark	559	157	--	157	--	402
All residue	1,910	1,133	26	591	516	777

Table 73.--*Product output by "other industries" by type of mill, California, 1972*

Production	Shake and shingle	Shipments		
		Export	Post, pole, and piling	
			Treated	Untreated
	<i>Squares</i>	<i>- - Thousand board feet, local scale - -</i>		
State total	20,573	75,665	18,320	95

Howard, James O.

1974. California forest industry wood consumption and characteristics, 1972. USDA For. Serv. Resour. Bull. PNW-52, 91 p. Pacific Northwest Forest and Range Experiment Station, Portland, Oregon.

This report presents the findings of a 100-percent canvass of the primary forest products industry of the State of California, 1972. Tabular presentation includes characteristics of the industry, log consumption statistics, and disposition of mill residues. Accompanying the tables is a descriptive analysis of current conditions and past trends in the industry.

Keywords: Economics in wood industry (California), forest products industries.

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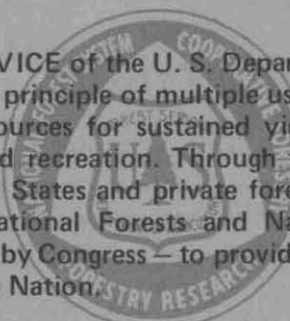
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The seal of the Forest Service is partially visible behind the text. It features a circular design with a central emblem depicting a tree and a mountain. The words "FOREST SERVICE" are written in a circle around the emblem, and "U.S. DEPARTMENT OF AGRICULTURE" is written in a larger circle at the top. The words "FORESTRY RESEARCH" are visible at the bottom of the seal.

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